Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11a - Ant 1	Test Channel:	52
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8616.0	33.1	13.5	46.6	68.2	-21.6	Peak	Horizontal
*	9602.0	33.3	14.4	47.7	68.2	-20.5	Peak	Horizontal
	11608.0	32.1	19.4	51.5	74.0	-22.5	Peak	Horizontal
	12058.5	32.9	18.8	51.7	74.0	-22.3	Peak	Horizontal
*	8607.5	33.3	13.5	46.8	68.2	-21.4	Peak	Vertical
*	9848.5	32.0	16.1	48.1	68.2	-20.1	Peak	Vertical
	10613.5	32.0	17.3	49.3	74.0	-24.7	Peak	Vertical
	11591.0	31.0	19.5	50.5	74.0	-23.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11a - Ant 1	Test Channel:	60
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8913.5	32.8	14.0	46.8	68.2	-21.4	Peak	Horizontal
*	9908.0	32.5	15.3	47.8	68.2	-20.4	Peak	Horizontal
	10919.5	31.5	18.4	49.9	74.0	-24.1	Peak	Horizontal
	11582.5	31.3	19.5	50.8	74.0	-23.2	Peak	Horizontal
*	8624.5	33.2	13.5	46.7	68.2	-21.5	Peak	Vertical
*	9899.5	32.7	15.4	48.1	68.2	-20.1	Peak	Vertical
	11591.0	32.2	19.5	51.7	74.0	-22.3	Peak	Vertical
	12662.0	31.4	18.7	50.1	74.0	-23.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11a - Ant 1	Test Channel:	64
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8616.0	32.1	13.5	45.6	68.2	-22.6	Peak	Horizontal
*	9908.0	32.8	15.3	48.1	68.2	-20.1	Peak	Horizontal
	11591.0	32.1	19.5	51.6	74.0	-22.4	Peak	Horizontal
	12016.0	31.1	18.7	49.8	74.0	-24.2	Peak	Horizontal
*	8616.0	32.5	13.5	46.0	68.2	-22.2	Peak	Vertical
*	9738.0	32.9	14.8	47.7	68.2	-20.5	Peak	Vertical
	11106.5	30.6	18.6	49.2	74.0	-24.8	Peak	Vertical
	11693.0	31.1	19.2	50.3	74.0	-23.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11a - Ant 1	Test Channel:	100
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8684.0	31.2	13.7	44.9	68.2	-23.3	Peak	Horizontal
*	9678.5	32.1	14.6	46.7	68.2	-21.5	Peak	Horizontal
	10979.0	31.3	18.5	49.8	74.0	-24.2	Peak	Horizontal
	11633.5	31.1	19.4	50.5	74.0	-23.5	Peak	Horizontal
*	8616.0	33.3	13.5	46.8	68.2	-21.4	Peak	Vertical
*	9857.0	31.8	16.2	48.0	68.2	-20.2	Peak	Vertical
	11038.5	31.0	18.5	49.5	74.0	-24.5	Peak	Vertical
	11676.0	31.5	19.2	50.7	74.0	-23.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11a - Ant 1	Test Channel:	116
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8658.5	32.9	13.6	46.5	68.2	-21.7	Peak	Horizontal
*	9857.0	31.3	16.2	47.5	68.2	-20.7	Peak	Horizontal
	11106.5	31.0	18.6	49.6	74.0	-24.4	Peak	Horizontal
	11659.0	32.3	19.3	51.6	74.0	-22.4	Peak	Horizontal
*	8854.0	32.1	14.0	46.1	68.2	-22.1	Peak	Vertical
*	9687.0	33.6	14.6	48.2	68.2	-20.0	Peak	Vertical
	10970.5	31.4	18.4	49.8	74.0	-24.2	Peak	Vertical
	11616.5	30.8	19.4	50.2	74.0	-23.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11a - Ant 1	Test Channel:	120
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8658.5	31.9	13.6	45.5	68.2	-22.7	Peak	Horizontal
*	9874.0	32.8	15.8	48.6	68.2	-19.6	Peak	Horizontal
	10928.0	30.9	18.4	49.3	74.0	-24.7	Peak	Horizontal
	11565.5	31.0	19.5	50.5	74.0	-23.5	Peak	Horizontal
*	8590.5	32.6	13.4	46.0	68.2	-22.2	Peak	Vertical
*	9644.5	32.8	14.4	47.2	68.2	-21.0	Peak	Vertical
	10902.5	31.8	18.3	50.1	74.0	-23.9	Peak	Vertical
	11608.0	31.0	19.4	50.4	74.0	-23.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11a - Ant 1	Test Channel:	140
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8607.5	32.5	13.5	46.0	68.2	-22.2	Peak	Horizontal
*	9789.0	33.5	15.0	48.5	68.2	-19.7	Peak	Horizontal
	11310.5	31.2	18.9	50.1	74.0	-23.9	Peak	Horizontal
	12033.0	32.4	18.8	51.2	74.0	-22.8	Peak	Horizontal
*	8590.5	32.8	13.4	46.2	68.2	-22.0	Peak	Vertical
*	9857.0	31.5	16.2	47.7	68.2	-20.5	Peak	Vertical
	10817.5	31.5	18.0	49.5	74.0	-24.5	Peak	Vertical
	11412.5	31.3	19.1	50.4	74.0	-23.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11a - Ant 1	Test Channel:	144
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8888.0	31.8	14.0	45.8	68.2	-22.4	Peak	Horizontal
*	9857.0	31.9	16.2	48.1	68.2	-20.1	Peak	Horizontal
	11140.5	31.3	18.7	50.0	74.0	-24.0	Peak	Horizontal
	11633.5	31.4	19.4	50.8	74.0	-23.2	Peak	Horizontal
*	8879.5	31.9	14.0	45.9	68.2	-22.3	Peak	Vertical
*	9857.0	32.4	16.2	48.6	68.2	-19.6	Peak	Vertical
	10919.5	31.1	18.4	49.5	74.0	-24.5	Peak	Vertical
	11633.5	31.7	19.4	51.1	74.0	-22.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT20 - Ant 1	Test Channel:	52
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8854.0	31.7	14.0	45.7	68.2	-22.5	Peak	Horizontal
*	9933.5	33.3	15.3	48.6	68.2	-19.6	Peak	Horizontal
	10945.0	31.7	18.4	50.1	74.0	-23.9	Peak	Horizontal
	11599.5	31.8	19.4	51.2	74.0	-22.8	Peak	Horizontal
*	8624.5	32.9	13.5	46.4	68.2	-21.8	Peak	Vertical
*	9721.0	33.4	14.7	48.1	68.2	-20.1	Peak	Vertical
	10953.5	31.9	18.4	50.3	74.0	-23.7	Peak	Vertical
	11557.0	31.5	19.5	51.0	74.0	-23.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT20 - Ant 1	Test Channel:	60
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8641.5	32.3	13.5	45.8	68.2	-22.4	Peak	Horizontal
*	9644.5	33.5	14.4	47.9	68.2	-20.3	Peak	Horizontal
	10902.5	32.3	18.3	50.6	74.0	-23.4	Peak	Horizontal
	11565.5	31.5	19.5	51.0	74.0	-23.0	Peak	Horizontal
*	8633.0	32.3	13.5	45.8	68.2	-22.4	Peak	Vertical
*	9678.5	33.5	14.6	48.1	68.2	-20.1	Peak	Vertical
	11072.5	31.8	18.6	50.4	74.0	-23.6	Peak	Vertical
	11659.0	31.4	19.3	50.7	74.0	-23.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT20 - Ant 1	Test Channel:	64
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8548.0	32.8	13.2	46.0	68.2	-22.2	Peak	Horizontal
*	9789.0	33.0	15.0	48.0	68.2	-20.2	Peak	Horizontal
	10902.5	32.2	18.3	50.5	74.0	-23.5	Peak	Horizontal
	11565.5	31.0	19.5	50.5	74.0	-23.5	Peak	Horizontal
*	8871.0	31.7	14.0	45.7	68.2	-22.5	Peak	Vertical
*	9857.0	32.0	16.2	48.2	68.2	-20.0	Peak	Vertical
	10936.5	32.0	18.4	50.4	74.0	-23.6	Peak	Vertical
	11599.5	32.0	19.4	51.4	74.0	-22.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT20 - Ant 1	Test Channel:	100
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8633.0	32.3	13.5	45.8	68.2	-22.4	Peak	Horizontal
*	9738.0	33.1	14.8	47.9	68.2	-20.3	Peak	Horizontal
	11013.0	31.4	18.5	49.9	74.0	-24.1	Peak	Horizontal
	11599.5	31.1	19.4	50.5	74.0	-23.5	Peak	Horizontal
*	8633.0	32.5	13.5	46.0	68.2	-22.2	Peak	Vertical
*	9729.5	32.4	14.7	47.1	68.2	-21.1	Peak	Vertical
	11072.5	31.7	18.6	50.3	74.0	-23.7	Peak	Vertical
	11650.5	31.1	19.3	50.4	74.0	-23.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT20 - Ant 1	Test Channel:	116
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8565.0	32.7	13.3	46.0	68.2	-22.2	Peak	Horizontal
*	9695.5	32.8	14.6	47.4	68.2	-20.8	Peak	Horizontal
	10936.5	31.2	18.4	49.6	74.0	-24.4	Peak	Horizontal
	11625.0	31.7	19.4	51.1	74.0	-22.9	Peak	Horizontal
*	8896.5	32.2	14.0	46.2	68.2	-22.0	Peak	Vertical
*	9738.0	32.7	14.8	47.5	68.2	-20.7	Peak	Vertical
	10987.5	31.5	18.5	50.0	74.0	-24.0	Peak	Vertical
	12033.0	31.8	18.8	50.6	74.0	-23.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT20 - Ant 1	Test Channel:	120
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8607.5	32.6	13.5	46.1	68.2	-22.1	Peak	Horizontal
*	9840.0	31.3	16.0	47.3	68.2	-20.9	Peak	Horizontal
	10936.5	31.4	18.4	49.8	74.0	-24.2	Peak	Horizontal
	11582.5	31.5	19.5	51.0	74.0	-23.0	Peak	Horizontal
*	8888.0	31.9	14.0	45.9	68.2	-22.3	Peak	Vertical
*	9865.5	31.6	16.0	47.6	68.2	-20.6	Peak	Vertical
	10987.5	31.4	18.5	49.9	74.0	-24.1	Peak	Vertical
	12135.0	31.8	18.9	50.7	74.0	-23.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT20 - Ant 1	Test Channel:	140
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8879.5	32.7	14.0	46.7	68.2	-21.5	Peak	Horizontal
*	9840.0	31.6	16.0	47.6	68.2	-20.6	Peak	Horizontal
	10962.0	30.8	18.4	49.2	74.0	-24.8	Peak	Horizontal
	11608.0	31.6	19.4	51.0	74.0	-23.0	Peak	Horizontal
*	8820.0	33.1	14.0	47.1	68.2	-21.1	Peak	Vertical
*	9797.5	32.3	15.1	47.4	68.2	-20.8	Peak	Vertical
	11047.0	31.4	18.5	49.9	74.0	-24.1	Peak	Vertical
	11625.0	31.5	19.4	50.9	74.0	-23.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT20 - Ant 1	Test Channel:	144
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8565.0	33.3	13.3	46.6	68.2	-21.6	Peak	Horizontal
*	9882.5	32.1	15.6	47.7	68.2	-20.5	Peak	Horizontal
	10868.5	31.4	18.2	49.6	74.0	-24.4	Peak	Horizontal
	12007.5	31.5	18.7	50.2	74.0	-23.8	Peak	Horizontal
*	8650.0	32.3	13.6	45.9	68.2	-22.3	Peak	Vertical
*	9848.5	31.8	16.1	47.9	68.2	-20.3	Peak	Vertical
	11004.5	31.3	18.5	49.8	74.0	-24.2	Peak	Vertical
	11633.5	31.4	19.4	50.8	74.0	-23.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT40 - Ant 1	Test Channel:	54
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8565.0	33.6	13.3	46.9	68.2	-21.3	Peak	Horizontal
*	9678.5	32.2	14.6	46.8	68.2	-21.4	Peak	Horizontal
	10911.0	31.0	18.4	49.4	74.0	-24.6	Peak	Horizontal
	11582.5	30.7	19.5	50.2	74.0	-23.8	Peak	Horizontal
*	8692.5	30.3	13.7	44.0	68.2	-24.2	Peak	Vertical
*	9848.5	31.7	16.1	47.8	68.2	-20.4	Peak	Vertical
	10919.5	31.7	18.4	50.1	74.0	-23.9	Peak	Vertical
	11582.5	31.3	19.5	50.8	74.0	-23.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT40 - Ant 1	Test Channel:	62
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8573.5	33.4	13.3	46.7	68.2	-21.5	Peak	Horizontal
*	9729.5	32.7	14.7	47.4	68.2	-20.8	Peak	Horizontal
	11072.5	31.6	18.6	50.2	74.0	-23.8	Peak	Horizontal
	12092.5	31.6	18.9	50.5	74.0	-23.5	Peak	Horizontal
*	8828.5	31.5	14.0	45.5	68.2	-22.7	Peak	Vertical
*	9848.5	31.3	16.1	47.4	68.2	-20.8	Peak	Vertical
	10996.0	31.3	18.5	49.8	74.0	-24.2	Peak	Vertical
	12211.5	32.0	18.8	50.8	74.0	-23.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT40 - Ant 1	Test Channel:	102
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8862.5	32.1	14.0	46.1	68.2	-22.1	Peak	Horizontal
*	9865.5	31.5	16.0	47.5	68.2	-20.7	Peak	Horizontal
	11030.0	31.5	18.5	50.0	74.0	-24.0	Peak	Horizontal
	12007.5	31.8	18.7	50.5	74.0	-23.5	Peak	Horizontal
*	8845.5	31.7	14.0	45.7	68.2	-22.5	Peak	Vertical
*	9840.0	31.6	16.0	47.6	68.2	-20.6	Peak	Vertical
	10996.0	31.3	18.5	49.8	74.0	-24.2	Peak	Vertical
	11633.5	31.4	19.4	50.8	74.0	-23.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT40 - Ant 1	Test Channel:	110
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8675.5	31.9	13.7	45.6	68.2	-22.6	Peak	Horizontal
*	9797.5	31.7	15.1	46.8	68.2	-21.4	Peak	Horizontal
	10885.5	31.6	18.3	49.9	74.0	-24.1	Peak	Horizontal
	11625.0	31.0	19.4	50.4	74.0	-23.6	Peak	Horizontal
*	8854.0	31.9	14.0	45.9	68.2	-22.3	Peak	Vertical
*	9840.0	31.9	16.0	47.9	68.2	-20.3	Peak	Vertical
	10741.0	32.5	17.6	50.1	74.0	-23.9	Peak	Vertical
	11531.5	29.9	19.4	49.3	74.0	-24.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT40 - Ant 1	Test Channel:	118
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8633.0	33.6	13.5	47.1	68.2	-21.1	Peak	Horizontal
*	9848.5	32.9	16.1	49.0	68.2	-19.2	Peak	Horizontal
	10936.5	32.3	18.4	50.7	74.0	-23.3	Peak	Horizontal
	11557.0	31.9	19.5	51.4	74.0	-22.6	Peak	Horizontal
*	8675.5	32.8	13.7	46.5	68.2	-21.7	Peak	Vertical
*	9865.5	32.4	16.0	48.4	68.2	-19.8	Peak	Vertical
	10885.5	32.2	18.3	50.5	74.0	-23.5	Peak	Vertical
	11565.5	31.4	19.5	50.9	74.0	-23.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT40 - Ant 1	Test Channel:	134
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8675.5	32.5	13.7	46.2	68.2	-22.0	Peak	Horizontal
*	9831.5	31.9	15.9	47.8	68.2	-20.4	Peak	Horizontal
	10894.0	32.1	18.3	50.4	74.0	-23.6	Peak	Horizontal
	11625.0	31.8	19.4	51.2	74.0	-22.8	Peak	Horizontal
*	8956.0	31.8	14.0	45.8	68.2	-22.4	Peak	Vertical
*	9967.5	32.3	15.3	47.6	68.2	-20.6	Peak	Vertical
	10936.5	31.0	18.4	49.4	74.0	-24.6	Peak	Vertical
	11497.5	31.4	19.3	50.7	74.0	-23.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT40 - Ant 1	Test Channel:	142
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8616.0	32.0	13.5	45.5	68.2	-22.7	Peak	Horizontal
*	9738.0	32.5	14.8	47.3	68.2	-20.9	Peak	Horizontal
	11506.0	31.4	19.4	50.8	74.0	-23.2	Peak	Horizontal
	12050.0	31.9	18.8	50.7	74.0	-23.3	Peak	Horizontal
*	8862.5	32.5	14.0	46.5	68.2	-21.7	Peak	Vertical
*	9738.0	33.3	14.8	48.1	68.2	-20.1	Peak	Vertical
	11013.0	31.8	18.5	50.3	74.0	-23.7	Peak	Vertical
	11608.0	30.8	19.4	50.2	74.0	-23.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT20 - Ant 1	Test Channel:	52
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8590.5	32.7	13.4	46.1	68.2	-22.1	Peak	Horizontal
*	9857.0	32.8	16.2	49.0	68.2	-19.2	Peak	Horizontal
	11251.0	31.8	18.8	50.6	74.0	-23.4	Peak	Horizontal
	12109.5	33.0	18.9	51.9	74.0	-22.1	Peak	Horizontal
*	8769.0	31.0	13.9	44.9	68.2	-23.3	Peak	Vertical
*	9840.0	32.9	16.0	48.9	68.2	-19.3	Peak	Vertical
	10885.5	31.5	18.3	49.8	74.0	-24.2	Peak	Vertical
	11642.0	31.4	19.4	50.8	74.0	-23.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT20 - Ant 1	Test Channel:	60
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8871.0	31.9	14.0	45.9	68.2	-22.3	Peak	Horizontal
*	9857.0	31.8	16.2	48.0	68.2	-20.2	Peak	Horizontal
	11557.0	30.7	19.5	50.2	74.0	-23.8	Peak	Horizontal
	12101.0	31.7	18.9	50.6	74.0	-23.4	Peak	Horizontal
*	8913.5	32.0	14.0	46.0	68.2	-22.2	Peak	Vertical
*	9874.0	31.5	15.8	47.3	68.2	-20.9	Peak	Vertical
	10928.0	31.3	18.4	49.7	74.0	-24.3	Peak	Vertical
	11642.0	31.6	19.4	51.0	74.0	-23.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT20 - Ant 1	Test Channel:	64
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8624.5	32.1	13.5	45.6	68.2	-22.6	Peak	Horizontal
*	9729.5	32.5	14.7	47.2	68.2	-21.0	Peak	Horizontal
	10962.0	32.4	18.4	50.8	74.0	-23.2	Peak	Horizontal
	12126.5	31.8	18.9	50.7	74.0	-23.3	Peak	Horizontal
*	8913.5	32.5	14.0	46.5	68.2	-21.7	Peak	Vertical
*	9678.5	32.7	14.6	47.3	68.2	-20.9	Peak	Vertical
	10936.5	32.0	18.4	50.4	74.0	-23.6	Peak	Vertical
	11659.0	30.8	19.3	50.1	74.0	-23.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT20 - Ant 1	Test Channel:	100
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8854.0	32.2	14.0	46.2	68.2	-22.0	Peak	Horizontal
*	9636.0	33.1	14.4	47.5	68.2	-20.7	Peak	Horizontal
	10996.0	31.5	18.5	50.0	74.0	-24.0	Peak	Horizontal
	11565.5	31.0	19.5	50.5	74.0	-23.5	Peak	Horizontal
*	8641.5	32.6	13.5	46.1	68.2	-22.1	Peak	Vertical
*	9670.0	32.9	14.5	47.4	68.2	-20.8	Peak	Vertical
	10936.5	31.2	18.4	49.6	74.0	-24.4	Peak	Vertical
	12058.5	31.8	18.8	50.6	74.0	-23.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT20 - Ant 1	Test Channel:	116
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8607.5	32.6	13.5	46.1	68.2	-22.1	Peak	Horizontal
*	9738.0	32.4	14.8	47.2	68.2	-21.0	Peak	Horizontal
	10809.0	31.0	17.9	48.9	74.0	-25.1	Peak	Horizontal
	11353.0	31.6	19.0	50.6	74.0	-23.4	Peak	Horizontal
*	8913.5	31.7	14.0	45.7	68.2	-22.5	Peak	Vertical
*	9738.0	32.9	14.8	47.7	68.2	-20.5	Peak	Vertical
	10987.5	31.6	18.5	50.1	74.0	-23.9	Peak	Vertical
	11582.5	30.7	19.5	50.2	74.0	-23.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT20 - Ant 1	Test Channel:	120
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8616.0	33.0	13.5	46.5	68.2	-21.7	Peak	Horizontal
*	9831.5	32.3	15.9	48.2	68.2	-20.0	Peak	Horizontal
	11293.5	31.3	18.9	50.2	74.0	-23.8	Peak	Horizontal
	12084.0	31.4	18.9	50.3	74.0	-23.7	Peak	Horizontal
*	8922.0	32.0	14.0	46.0	68.2	-22.2	Peak	Vertical
*	9738.0	32.7	14.8	47.5	68.2	-20.7	Peak	Vertical
	10936.5	31.4	18.4	49.8	74.0	-24.2	Peak	Vertical
	11599.5	31.5	19.4	50.9	74.0	-23.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT20 - Ant 1	Test Channel:	140
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8616.0	32.8	13.5	46.3	68.2	-21.9	Peak	Horizontal
*	9738.0	32.7	14.8	47.5	68.2	-20.7	Peak	Horizontal
	10911.0	31.2	18.4	49.6	74.0	-24.4	Peak	Horizontal
	11523.0	31.1	19.4	50.5	74.0	-23.5	Peak	Horizontal
*	8862.5	31.8	14.0	45.8	68.2	-22.4	Peak	Vertical
*	9780.5	32.8	14.9	47.7	68.2	-20.5	Peak	Vertical
	10902.5	31.8	18.3	50.1	74.0	-23.9	Peak	Vertical
	11497.5	31.2	19.3	50.5	74.0	-23.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT20 - Ant 1	Test Channel:	144
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8599.0	32.2	13.4	45.6	68.2	-22.6	Peak	Horizontal
*	9891.0	32.7	15.5	48.2	68.2	-20.0	Peak	Horizontal
	10953.5	32.8	18.4	51.2	74.0	-22.8	Peak	Horizontal
	12101.0	31.0	18.9	49.9	74.0	-24.1	Peak	Horizontal
*	8616.0	32.3	13.5	45.8	68.2	-22.4	Peak	Vertical
*	9882.5	32.4	15.6	48.0	68.2	-20.2	Peak	Vertical
	11659.0	31.2	19.3	50.5	74.0	-23.5	Peak	Vertical
	12109.5	31.1	18.9	50.0	74.0	-24.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT40 - Ant 1	Test Channel:	54
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8879.5	32.2	14.0	46.2	68.2	-22.0	Peak	Horizontal
*	9687.0	32.8	14.6	47.4	68.2	-20.8	Peak	Horizontal
	11021.5	32.0	18.5	50.5	74.0	-23.5	Peak	Horizontal
	12058.5	31.6	18.8	50.4	74.0	-23.6	Peak	Horizontal
*	8582.0	32.6	13.4	46.0	68.2	-22.2	Peak	Vertical
*	9848.5	31.9	16.1	48.0	68.2	-20.2	Peak	Vertical
	11055.5	31.3	18.5	49.8	74.0	-24.2	Peak	Vertical
	11710.0	31.7	19.1	50.8	74.0	-23.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT40 - Ant 1	Test Channel:	62
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8641.5	33.0	13.5	46.5	68.2	-21.7	Peak	Horizontal
*	9857.0	31.6	16.2	47.8	68.2	-20.4	Peak	Horizontal
	10962.0	31.8	18.4	50.2	74.0	-23.8	Peak	Horizontal
	12109.5	31.7	18.9	50.6	74.0	-23.4	Peak	Horizontal
*	8565.0	32.6	13.3	45.9	68.2	-22.3	Peak	Vertical
*	9746.5	32.8	14.8	47.6	68.2	-20.6	Peak	Vertical
	10962.0	32.0	18.4	50.4	74.0	-23.6	Peak	Vertical
	11625.0	31.5	19.4	50.9	74.0	-23.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT40 - Ant 1	Test Channel:	102
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8684.0	31.8	13.7	45.5	68.2	-22.7	Peak	Horizontal
*	9831.5	32.5	15.9	48.4	68.2	-19.8	Peak	Horizontal
	10639.0	32.1	17.4	49.5	74.0	-24.5	Peak	Horizontal
	11557.0	31.6	19.5	51.1	74.0	-22.9	Peak	Horizontal
*	8599.0	32.8	13.4	46.2	68.2	-22.0	Peak	Vertical
*	9678.5	32.1	14.6	46.7	68.2	-21.5	Peak	Vertical
	11115.0	31.6	18.6	50.2	74.0	-23.8	Peak	Vertical
	12075.5	31.1	18.9	50.0	74.0	-24.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT40 - Ant 1	Test Channel:	110
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8845.5	31.7	14.0	45.7	68.2	-22.5	Peak	Horizontal
*	9925.0	33.1	15.3	48.4	68.2	-19.8	Peak	Horizontal
	11293.5	31.4	18.9	50.3	74.0	-23.7	Peak	Horizontal
	12050.0	32.6	18.8	51.4	74.0	-22.6	Peak	Horizontal
*	8633.0	33.1	13.5	46.6	68.2	-21.6	Peak	Vertical
*	9704.0	32.9	14.6	47.5	68.2	-20.7	Peak	Vertical
	10945.0	31.2	18.4	49.6	74.0	-24.4	Peak	Vertical
	11463.5	31.3	19.3	50.6	74.0	-23.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT40 - Ant 1	Test Channel:	118
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8616.0	32.4	13.5	45.9	68.2	-22.3	Peak	Horizontal
*	9678.5	33.1	14.6	47.7	68.2	-20.5	Peak	Horizontal
	10928.0	31.1	18.4	49.5	74.0	-24.5	Peak	Horizontal
	11548.5	31.4	19.4	50.8	74.0	-23.2	Peak	Horizontal
*	8837.0	32.0	14.0	46.0	68.2	-22.2	Peak	Vertical
*	9899.5	32.1	15.4	47.5	68.2	-20.7	Peak	Vertical
	10996.0	31.1	18.5	49.6	74.0	-24.4	Peak	Vertical
	11667.5	32.3	19.3	51.6	74.0	-22.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT40 - Ant 1	Test Channel:	134
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8709.5	32.1	13.8	45.9	68.2	-22.3	Peak	Horizontal
*	9857.0	31.7	16.2	47.9	68.2	-20.3	Peak	Horizontal
	10936.5	31.6	18.4	50.0	74.0	-24.0	Peak	Horizontal
	11574.0	31.0	19.5	50.5	74.0	-23.5	Peak	Horizontal
*	8624.5	32.1	13.5	45.6	68.2	-22.6	Peak	Vertical
*	9865.5	31.7	16.0	47.7	68.2	-20.5	Peak	Vertical
	10936.5	31.2	18.4	49.6	74.0	-24.4	Peak	Vertical
	11514.5	30.8	19.4	50.2	74.0	-23.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT40 - Ant 1	Test Channel:	142
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8743.5	31.7	13.9	45.6	68.2	-22.6	Peak	Horizontal
*	9712.5	32.7	14.7	47.4	68.2	-20.8	Peak	Horizontal
	10919.5	31.1	18.4	49.5	74.0	-24.5	Peak	Horizontal
	11531.5	31.7	19.4	51.1	74.0	-22.9	Peak	Horizontal
*	8854.0	31.7	14.0	45.7	68.2	-22.5	Peak	Vertical
*	9908.0	32.4	15.3	47.7	68.2	-20.5	Peak	Vertical
	10945.0	31.0	18.4	49.4	74.0	-24.6	Peak	Vertical
	11489.0	31.4	19.3	50.7	74.0	-23.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT80 - Ant 1	Test Channel:	58
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8641.5	33.1	13.5	46.6	68.2	-21.6	Peak	Horizontal
*	9865.5	31.8	16.0	47.8	68.2	-20.4	Peak	Horizontal
	10936.5	31.0	18.4	49.4	74.0	-24.6	Peak	Horizontal
	11625.0	31.5	19.4	50.9	74.0	-23.1	Peak	Horizontal
*	8633.0	32.9	13.5	46.4	68.2	-21.8	Peak	Vertical
*	9712.5	32.4	14.7	47.1	68.2	-21.1	Peak	Vertical
	11013.0	31.1	18.5	49.6	74.0	-24.4	Peak	Vertical
	11633.5	31.4	19.4	50.8	74.0	-23.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT80 - Ant 1	Test Channel:	106
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8862.5	31.7	14.0	45.7	68.2	-22.5	Peak	Horizontal
*	9857.0	31.9	16.2	48.1	68.2	-20.1	Peak	Horizontal
	10690.0	32.5	17.4	49.9	74.0	-24.1	Peak	Horizontal
	11633.5	31.8	19.4	51.2	74.0	-22.8	Peak	Horizontal
*	8862.5	32.3	14.0	46.3	68.2	-21.9	Peak	Vertical
*	9627.5	33.2	14.4	47.6	68.2	-20.6	Peak	Vertical
	10970.5	31.7	18.4	50.1	74.0	-23.9	Peak	Vertical
	11506.0	31.3	19.4	50.7	74.0	-23.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT80 - Ant 1	Test Channel:	122
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8828.5	32.1	14.0	46.1	68.2	-22.1	Peak	Horizontal
*	9780.5	31.5	14.9	46.4	68.2	-21.8	Peak	Horizontal
	10962.0	30.8	18.4	49.2	74.0	-24.8	Peak	Horizontal
	11582.5	31.4	19.5	50.9	74.0	-23.1	Peak	Horizontal
*	8582.0	32.4	13.4	45.8	68.2	-22.4	Peak	Vertical
*	9814.5	32.4	15.4	47.8	68.2	-20.4	Peak	Vertical
	11421.0	31.1	19.1	50.2	74.0	-23.8	Peak	Vertical
	12194.5	32.2	18.8	51.0	74.0	-23.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT80 - Ant 1	Test Channel:	138
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8616.0	32.8	13.5	46.3	68.2	-21.9	Peak	Horizontal
*	9857.0	31.5	16.2	47.7	68.2	-20.5	Peak	Horizontal
	11540.0	30.7	19.4	50.1	74.0	-23.9	Peak	Horizontal
	12585.5	31.1	18.7	49.8	74.0	-24.2	Peak	Horizontal
*	8616.0	32.0	13.5	45.5	68.2	-22.7	Peak	Vertical
*	9687.0	32.9	14.6	47.5	68.2	-20.7	Peak	Vertical
	10894.0	31.3	18.3	49.6	74.0	-24.4	Peak	Vertical
	11625.0	32.3	19.4	51.7	74.0	-22.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11a - Ant 2	Test Channel:	52
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8624.5	32.1	13.5	45.6	68.2	-22.6	Peak	Horizontal
*	9840.0	32.1	16.0	48.1	68.2	-20.1	Peak	Horizontal
	10902.5	31.8	18.3	50.1	74.0	-23.9	Peak	Horizontal
	11642.0	31.3	19.4	50.7	74.0	-23.3	Peak	Horizontal
*	8514.0	32.7	12.9	45.6	68.2	-22.6	Peak	Vertical
*	9806.0	32.3	15.2	47.5	68.2	-20.7	Peak	Vertical
	10775.0	32.5	17.8	50.3	74.0	-23.7	Peak	Vertical
	11497.5	31.4	19.3	50.7	74.0	-23.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11a - Ant 2	Test Channel:	60
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8650.0	32.6	13.6	46.2	68.2	-22.0	Peak	Horizontal
*	9721.0	32.5	14.7	47.2	68.2	-21.0	Peak	Horizontal
	11072.5	31.6	18.6	50.2	74.0	-23.8	Peak	Horizontal
	12245.5	32.9	18.7	51.6	74.0	-22.4	Peak	Horizontal
*	8607.5	32.6	13.5	46.1	68.2	-22.1	Peak	Vertical
*	9848.5	31.4	16.1	47.5	68.2	-20.7	Peak	Vertical
	10911.0	31.4	18.4	49.8	74.0	-24.2	Peak	Vertical
	11319.0	31.9	18.9	50.8	74.0	-23.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11a - Ant 2	Test Channel:	64
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8845.5	32.1	14.0	46.1	68.2	-22.1	Peak	Horizontal
*	9840.0	31.8	16.0	47.8	68.2	-20.4	Peak	Horizontal
	10698.5	32.3	17.5	49.8	74.0	-24.2	Peak	Horizontal
	11650.5	31.1	19.3	50.4	74.0	-23.6	Peak	Horizontal
*	8641.5	33.0	13.5	46.5	68.2	-21.7	Peak	Vertical
*	9627.5	32.6	14.4	47.0	68.2	-21.2	Peak	Vertical
	11004.5	31.6	18.5	50.1	74.0	-23.9	Peak	Vertical
	11497.5	31.4	19.3	50.7	74.0	-23.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11a - Ant 2	Test Channel:	100
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8590.5	33.1	13.4	46.5	68.2	-21.7	Peak	Horizontal
*	9721.0	32.9	14.7	47.6	68.2	-20.6	Peak	Horizontal
	10979.0	32.2	18.5	50.7	74.0	-23.3	Peak	Horizontal
	11523.0	32.0	19.4	51.4	74.0	-22.6	Peak	Horizontal
*	8522.5	33.1	13.0	46.1	68.2	-22.1	Peak	Vertical
*	9772.0	33.3	14.9	48.2	68.2	-20.0	Peak	Vertical
	11021.5	31.4	18.5	49.9	74.0	-24.1	Peak	Vertical
	11642.0	31.1	19.4	50.5	74.0	-23.5	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11a - Ant 2	Test Channel:	116
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8905.0	32.5	14.0	46.5	68.2	-21.7	Peak	Horizontal
*	9857.0	31.4	16.2	47.6	68.2	-20.6	Peak	Horizontal
	10928.0	31.5	18.4	49.9	74.0	-24.1	Peak	Horizontal
	11557.0	31.2	19.5	50.7	74.0	-23.3	Peak	Horizontal
*	8616.0	32.3	13.5	45.8	68.2	-22.4	Peak	Vertical
*	9687.0	33.4	14.6	48.0	68.2	-20.2	Peak	Vertical
	10996.0	31.4	18.5	49.9	74.0	-24.1	Peak	Vertical
	11625.0	31.3	19.4	50.7	74.0	-23.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11a - Ant 2	Test Channel:	120
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8786.0	31.5	13.9	45.4	68.2	-22.8	Peak	Horizontal
*	9670.0	32.4	14.5	46.9	68.2	-21.3	Peak	Horizontal
	10962.0	31.8	18.4	50.2	74.0	-23.8	Peak	Horizontal
	12024.5	31.7	18.8	50.5	74.0	-23.5	Peak	Horizontal
*	8658.5	31.9	13.6	45.5	68.2	-22.7	Peak	Vertical
*	9891.0	31.9	15.5	47.4	68.2	-20.8	Peak	Vertical
	10970.5	30.7	18.4	49.1	74.0	-24.9	Peak	Vertical
	11548.5	31.6	19.4	51.0	74.0	-23.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11a - Ant 2	Test Channel:	140
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8607.5	32.8	13.5	46.3	68.2	-21.9	Peak	Horizontal
*	9857.0	31.8	16.2	48.0	68.2	-20.2	Peak	Horizontal
	11098.0	31.6	18.6	50.2	74.0	-23.8	Peak	Horizontal
	11642.0	30.9	19.4	50.3	74.0	-23.7	Peak	Horizontal
*	8633.0	32.9	13.5	46.4	68.2	-21.8	Peak	Vertical
*	9695.5	33.4	14.6	48.0	68.2	-20.2	Peak	Vertical
	10996.0	32.2	18.5	50.7	74.0	-23.3	Peak	Vertical
	11582.5	31.4	19.5	50.9	74.0	-23.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11a - Ant 2	Test Channel:	144
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8743.5	31.3	13.9	45.2	68.2	-23.0	Peak	Horizontal
*	9721.0	31.5	14.7	46.2	68.2	-22.0	Peak	Horizontal
	11438.0	31.7	19.2	50.9	74.0	-23.1	Peak	Horizontal
	12424.0	32.5	18.4	50.9	74.0	-23.1	Peak	Horizontal
*	8590.5	33.0	13.4	46.4	68.2	-21.8	Peak	Vertical
*	9848.5	31.8	16.1	47.9	68.2	-20.3	Peak	Vertical
	10809.0	31.9	17.9	49.8	74.0	-24.2	Peak	Vertical
	11633.5	30.8	19.4	50.2	74.0	-23.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11n-HT20 - Ant 2	Test Channel:	52
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8862.5	31.8	14.0	45.8	68.2	-22.4	Peak	Horizontal
*	9678.5	32.8	14.6	47.4	68.2	-20.8	Peak	Horizontal
	10979.0	31.0	18.5	49.5	74.0	-24.5	Peak	Horizontal
	11633.5	31.8	19.4	51.2	74.0	-22.8	Peak	Horizontal
*	8854.0	31.7	14.0	45.7	68.2	-22.5	Peak	Vertical
*	9865.5	31.5	16.0	47.5	68.2	-20.7	Peak	Vertical
	11055.5	31.4	18.5	49.9	74.0	-24.1	Peak	Vertical
	11659.0	31.3	19.3	50.6	74.0	-23.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11n-HT20 - Ant 2	Test Channel:	60
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8616.0	33.2	13.5	46.7	68.2	-21.5	Peak	Horizontal
*	9755.0	33.0	14.8	47.8	68.2	-20.4	Peak	Horizontal
	11047.0	31.1	18.5	49.6	74.0	-24.4	Peak	Horizontal
	11489.0	31.2	19.3	50.5	74.0	-23.5	Peak	Horizontal
*	8667.0	31.9	13.6	45.5	68.2	-22.7	Peak	Vertical
*	9857.0	32.1	16.2	48.3	68.2	-19.9	Peak	Vertical
	10945.0	31.4	18.4	49.8	74.0	-24.2	Peak	Vertical
	11591.0	30.8	19.5	50.3	74.0	-23.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11n-HT20 - Ant 2	Test Channel:	64
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8854.0	31.7	14.0	45.7	68.2	-22.5	Peak	Horizontal
*	9738.0	33.4	14.8	48.2	68.2	-20.0	Peak	Horizontal
	10707.0	32.4	17.5	49.9	74.0	-24.1	Peak	Horizontal
	11514.5	31.4	19.4	50.8	74.0	-23.2	Peak	Horizontal
*	8854.0	31.7	14.0	45.7	68.2	-22.5	Peak	Vertical
*	9678.5	33.2	14.6	47.8	68.2	-20.4	Peak	Vertical
	10996.0	31.9	18.5	50.4	74.0	-23.6	Peak	Vertical
	11574.0	31.8	19.5	51.3	74.0	-22.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11n-HT20 - Ant 2	Test Channel:	100
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8854.0	30.8	14.0	44.8	68.2	-23.4	Peak	Horizontal
*	9619.0	32.1	14.4	46.5	68.2	-21.7	Peak	Horizontal
	10987.5	32.0	18.5	50.5	74.0	-23.5	Peak	Horizontal
	11608.0	32.2	19.4	51.6	74.0	-22.4	Peak	Horizontal
*	8743.5	32.3	13.9	46.2	68.2	-22.0	Peak	Vertical
*	9848.5	31.7	16.1	47.8	68.2	-20.4	Peak	Vertical
	10911.0	31.2	18.4	49.6	74.0	-24.4	Peak	Vertical
	11548.5	31.1	19.4	50.5	74.0	-23.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11n-HT20 - Ant 2	Test Channel:	116
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8896.5	31.8	14.0	45.8	68.2	-22.4	Peak	Horizontal
*	9712.5	32.6	14.7	47.3	68.2	-20.9	Peak	Horizontal
	10732.5	31.9	17.6	49.5	74.0	-24.5	Peak	Horizontal
	12075.5	32.2	18.9	51.1	74.0	-22.9	Peak	Horizontal
*	8633.0	32.4	13.5	45.9	68.2	-22.3	Peak	Vertical
*	9738.0	32.6	14.8	47.4	68.2	-20.8	Peak	Vertical
	10987.5	30.9	18.5	49.4	74.0	-24.6	Peak	Vertical
	11582.5	31.5	19.5	51.0	74.0	-23.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11n-HT20 - Ant 2	Test Channel:	120
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8624.5	32.1	13.5	45.6	68.2	-22.6	Peak	Horizontal
*	9738.0	32.7	14.8	47.5	68.2	-20.7	Peak	Horizontal
	10970.5	31.2	18.4	49.6	74.0	-24.4	Peak	Horizontal
	11565.5	30.7	19.5	50.2	74.0	-23.8	Peak	Horizontal
*	8701.0	32.1	13.8	45.9	68.2	-22.3	Peak	Vertical
*	9729.5	32.6	14.7	47.3	68.2	-20.9	Peak	Vertical
	11319.0	31.3	18.9	50.2	74.0	-23.8	Peak	Vertical
	11625.0	31.7	19.4	51.1	74.0	-22.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11n-HT20 - Ant 2	Test Channel:	140
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8905.0	32.2	14.0	46.2	68.2	-22.0	Peak	Horizontal
*	9848.5	31.5	16.1	47.6	68.2	-20.6	Peak	Horizontal
	11404.0	31.4	19.1	50.5	74.0	-23.5	Peak	Horizontal
	11650.5	31.0	19.3	50.3	74.0	-23.7	Peak	Horizontal
*	8616.0	32.0	13.5	45.5	68.2	-22.7	Peak	Vertical
*	9848.5	31.5	16.1	47.6	68.2	-20.6	Peak	Vertical
	11106.5	31.0	18.6	49.6	74.0	-24.4	Peak	Vertical
	11650.5	31.9	19.3	51.2	74.0	-22.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11n-HT20 - Ant 2	Test Channel:	144
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8633.0	33.3	13.5	46.8	68.2	-21.4	Peak	Horizontal
*	9721.0	32.0	14.7	46.7	68.2	-21.5	Peak	Horizontal
	10945.0	30.9	18.4	49.3	74.0	-24.7	Peak	Horizontal
	11446.5	31.4	19.2	50.6	74.0	-23.4	Peak	Horizontal
*	8633.0	32.3	13.5	45.8	68.2	-22.4	Peak	Vertical
*	9729.5	33.0	14.7	47.7	68.2	-20.5	Peak	Vertical
	10919.5	31.9	18.4	50.3	74.0	-23.7	Peak	Vertical
	11633.5	30.9	19.4	50.3	74.0	-23.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11n-HT40 - Ant 2	Test Channel:	54
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8820.0	32.1	14.0	46.1	68.2	-22.1	Peak	Horizontal
*	9687.0	34.2	14.6	48.8	68.2	-19.4	Peak	Horizontal
	10936.5	31.7	18.4	50.1	74.0	-23.9	Peak	Horizontal
	11480.5	31.8	19.3	51.1	74.0	-22.9	Peak	Horizontal
*	8633.0	31.9	13.5	45.4	68.2	-22.8	Peak	Vertical
*	9678.5	33.5	14.6	48.1	68.2	-20.1	Peak	Vertical
	10936.5	31.8	18.4	50.2	74.0	-23.8	Peak	Vertical
	12084.0	31.4	18.9	50.3	74.0	-23.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11n-HT40 - Ant 2	Test Channel:	62
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8641.5	32.2	13.5	45.7	68.2	-22.5	Peak	Horizontal
*	9602.0	33.1	14.4	47.5	68.2	-20.7	Peak	Horizontal
	10732.5	32.4	17.6	50.0	74.0	-24.0	Peak	Horizontal
	11608.0	31.3	19.4	50.7	74.0	-23.3	Peak	Horizontal
*	8633.0	32.7	13.5	46.2	68.2	-22.0	Peak	Vertical
*	9772.0	32.5	14.9	47.4	68.2	-20.8	Peak	Vertical
	10962.0	31.7	18.4	50.1	74.0	-23.9	Peak	Vertical
	11735.5	31.3	19.0	50.3	74.0	-23.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11n-HT40 - Ant 2	Test Channel:	102
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8854.0	32.1	14.0	46.1	68.2	-22.1	Peak	Horizontal
*	9874.0	31.9	15.8	47.7	68.2	-20.5	Peak	Horizontal
	11115.0	31.0	18.6	49.6	74.0	-24.4	Peak	Horizontal
	11744.0	31.8	18.9	50.7	74.0	-23.3	Peak	Horizontal
*	8582.0	33.2	13.4	46.6	68.2	-21.6	Peak	Vertical
*	9517.0	32.8	14.4	47.2	68.2	-21.0	Peak	Vertical
	10741.0	32.1	17.6	49.7	74.0	-24.3	Peak	Vertical
	11616.5	31.6	19.4	51.0	74.0	-23.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11n-HT40 - Ant 2	Test Channel:	110
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8573.5	32.7	13.3	46.0	68.2	-22.2	Peak	Horizontal
*	9678.5	32.4	14.6	47.0	68.2	-21.2	Peak	Horizontal
	10962.0	32.8	18.4	51.2	74.0	-22.8	Peak	Horizontal
	11591.0	33.2	19.5	52.7	74.0	-21.3	Peak	Horizontal
*	8590.5	32.2	13.4	45.6	68.2	-22.6	Peak	Vertical
*	9840.0	32.1	16.0	48.1	68.2	-20.1	Peak	Vertical
	10885.5	31.5	18.3	49.8	74.0	-24.2	Peak	Vertical
	11599.5	31.3	19.4	50.7	74.0	-23.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11n-HT40 - Ant 2	Test Channel:	118
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8811.5	31.5	14.0	45.5	68.2	-22.7	Peak	Horizontal
*	9644.5	33.1	14.4	47.5	68.2	-20.7	Peak	Horizontal
	10732.5	32.3	17.6	49.9	74.0	-24.1	Peak	Horizontal
	11540.0	31.3	19.4	50.7	74.0	-23.3	Peak	Horizontal
*	8624.5	32.4	13.5	45.9	68.2	-22.3	Peak	Vertical
*	9857.0	31.5	16.2	47.7	68.2	-20.5	Peak	Vertical
	10919.5	32.0	18.4	50.4	74.0	-23.6	Peak	Vertical
	12118.0	31.6	18.9	50.5	74.0	-23.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11n-HT40 - Ant 2	Test Channel:	134
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8862.5	31.7	14.0	45.7	68.2	-22.5	Peak	Horizontal
*	9848.5	31.2	16.1	47.3	68.2	-20.9	Peak	Horizontal
	11004.5	31.4	18.5	49.9	74.0	-24.1	Peak	Horizontal
	12109.5	31.6	18.9	50.5	74.0	-23.5	Peak	Horizontal
*	8565.0	32.7	13.3	46.0	68.2	-22.2	Peak	Vertical
*	9746.5	33.0	14.8	47.8	68.2	-20.4	Peak	Vertical
	11548.5	31.0	19.4	50.4	74.0	-23.6	Peak	Vertical
	12313.5	31.3	18.5	49.8	74.0	-24.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11n-HT40 - Ant 2	Test Channel:	142
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8582.0	31.6	13.4	45.0	68.2	-23.2	Peak	Horizontal
*	9840.0	31.6	16.0	47.6	68.2	-20.6	Peak	Horizontal
	11574.0	31.6	19.5	51.1	74.0	-22.9	Peak	Horizontal
	12143.5	30.9	18.9	49.8	74.0	-24.2	Peak	Horizontal
*	8743.5	31.6	13.9	45.5	68.2	-22.7	Peak	Vertical
*	9848.5	32.1	16.1	48.2	68.2	-20.0	Peak	Vertical
	11234.0	31.5	18.8	50.3	74.0	-23.7	Peak	Vertical
	12101.0	32.3	18.9	51.2	74.0	-22.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11ac-VHT20 - Ant 2	Test Channel:	52
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8692.5	33.4	13.7	47.1	68.2	-21.1	Peak	Horizontal
*	9755.0	32.7	14.8	47.5	68.2	-20.7	Peak	Horizontal
	10894.0	31.8	18.3	50.1	74.0	-23.9	Peak	Horizontal
	11659.0	31.5	19.3	50.8	74.0	-23.2	Peak	Horizontal
*	8718.0	32.3	13.8	46.1	68.2	-22.1	Peak	Vertical
*	9848.5	32.2	16.1	48.3	68.2	-19.9	Peak	Vertical
	11013.0	31.7	18.5	50.2	74.0	-23.8	Peak	Vertical
	11650.5	31.2	19.3	50.5	74.0	-23.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11ac-VHT20 - Ant 2	Test Channel:	60
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8624.5	33.1	13.5	46.6	68.2	-21.6	Peak	Horizontal
*	9857.0	32.2	16.2	48.4	68.2	-19.8	Peak	Horizontal
	10911.0	32.2	18.4	50.6	74.0	-23.4	Peak	Horizontal
	11591.0	31.6	19.5	51.1	74.0	-22.9	Peak	Horizontal
*	8624.5	32.6	13.5	46.1	68.2	-22.1	Peak	Vertical
*	9857.0	31.2	16.2	47.4	68.2	-20.8	Peak	Vertical
	11064.0	31.5	18.5	50.0	74.0	-24.0	Peak	Vertical
	11642.0	31.0	19.4	50.4	74.0	-23.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11ac-VHT20 - Ant 2	Test Channel:	64
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8862.5	32.9	14.0	46.9	68.2	-21.3	Peak	Horizontal
*	9721.0	32.9	14.7	47.6	68.2	-20.6	Peak	Horizontal
	10970.5	31.1	18.4	49.5	74.0	-24.5	Peak	Horizontal
	11472.0	31.4	19.3	50.7	74.0	-23.3	Peak	Horizontal
*	8624.5	32.7	13.5	46.2	68.2	-22.0	Peak	Vertical
*	9738.0	32.6	14.8	47.4	68.2	-20.8	Peak	Vertical
	10979.0	31.7	18.5	50.2	74.0	-23.8	Peak	Vertical
	12211.5	31.4	18.8	50.2	74.0	-23.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11ac-VHT20 - Ant 2	Test Channel:	100
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8548.0	32.6	13.2	45.8	68.2	-22.4	Peak	Horizontal
*	9602.0	32.7	14.4	47.1	68.2	-21.1	Peak	Horizontal
	11089.5	31.3	18.6	49.9	74.0	-24.1	Peak	Horizontal
	12126.5	31.8	18.9	50.7	74.0	-23.3	Peak	Horizontal
*	8641.5	32.0	13.5	45.5	68.2	-22.7	Peak	Vertical
*	9678.5	32.7	14.6	47.3	68.2	-20.9	Peak	Vertical
	11523.0	31.9	19.4	51.3	74.0	-22.7	Peak	Vertical
	12245.5	32.0	18.7	50.7	74.0	-23.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11ac-VHT20 - Ant 2	Test Channel:	116
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8854.0	31.5	14.0	45.5	68.2	-22.7	Peak	Horizontal
*	9857.0	31.8	16.2	48.0	68.2	-20.2	Peak	Horizontal
	11072.5	30.8	18.6	49.4	74.0	-24.6	Peak	Horizontal
	12050.0	31.6	18.8	50.4	74.0	-23.6	Peak	Horizontal
*	8582.0	31.8	13.4	45.2	68.2	-23.0	Peak	Vertical
*	9729.5	32.2	14.7	46.9	68.2	-21.3	Peak	Vertical
	10979.0	31.8	18.5	50.3	74.0	-23.7	Peak	Vertical
	11574.0	31.8	19.5	51.3	74.0	-22.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11ac-VHT20 - Ant 2	Test Channel:	120
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8701.0	31.7	13.8	45.5	68.2	-22.7	Peak	Horizontal
*	9763.5	33.4	14.9	48.3	68.2	-19.9	Peak	Horizontal
	10970.5	31.5	18.4	49.9	74.0	-24.1	Peak	Horizontal
	11565.5	32.4	19.5	51.9	74.0	-22.1	Peak	Horizontal
*	8803.0	31.5	14.0	45.5	68.2	-22.7	Peak	Vertical
*	9925.0	33.1	15.3	48.4	68.2	-19.8	Peak	Vertical
	10979.0	31.4	18.5	49.9	74.0	-24.1	Peak	Vertical
	11599.5	31.0	19.4	50.4	74.0	-23.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11ac-VHT20 - Ant 2	Test Channel:	140
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8862.5	31.8	14.0	45.8	68.2	-22.4	Peak	Horizontal
*	9891.0	32.0	15.5	47.5	68.2	-20.7	Peak	Horizontal
	11565.5	31.0	19.5	50.5	74.0	-23.5	Peak	Horizontal
	12067.0	32.1	18.8	50.9	74.0	-23.1	Peak	Horizontal
*	8930.5	32.8	14.0	46.8	68.2	-21.4	Peak	Vertical
*	9865.5	31.9	16.0	47.9	68.2	-20.3	Peak	Vertical
	11608.0	31.3	19.4	50.7	74.0	-23.3	Peak	Vertical
	12118.0	31.3	18.9	50.2	74.0	-23.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11ac-VHT20 - Ant 2	Test Channel:	144
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8837.0	32.3	14.0	46.3	68.2	-21.9	Peak	Horizontal
*	9857.0	31.4	16.2	47.6	68.2	-20.6	Peak	Horizontal
	10911.0	32.6	18.4	51.0	74.0	-23.0	Peak	Horizontal
	11446.5	32.9	19.2	52.1	74.0	-21.9	Peak	Horizontal
*	8845.5	31.7	14.0	45.7	68.2	-22.5	Peak	Vertical
*	9857.0	31.5	16.2	47.7	68.2	-20.5	Peak	Vertical
	11072.5	31.9	18.6	50.5	74.0	-23.5	Peak	Vertical
	11565.5	31.4	19.5	50.9	74.0	-23.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11ac-VHT40 - Ant 2	Test Channel:	54
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8820.0	31.6	14.0	45.6	68.2	-22.6	Peak	Horizontal
*	9840.0	31.9	16.0	47.9	68.2	-20.3	Peak	Horizontal
	10936.5	32.0	18.4	50.4	74.0	-23.6	Peak	Horizontal
	11591.0	31.3	19.5	50.8	74.0	-23.2	Peak	Horizontal
*	8582.0	33.8	13.4	47.2	68.2	-21.0	Peak	Vertical
*	9636.0	33.3	14.4	47.7	68.2	-20.5	Peak	Vertical
	10817.5	31.6	18.0	49.6	74.0	-24.4	Peak	Vertical
	11616.5	31.0	19.4	50.4	74.0	-23.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11ac-VHT40 - Ant 2	Test Channel:	62
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8820.0	32.3	14.0	46.3	68.2	-21.9	Peak	Horizontal
*	9848.5	32.4	16.1	48.5	68.2	-19.7	Peak	Horizontal
	10970.5	32.1	18.4	50.5	74.0	-23.5	Peak	Horizontal
	11591.0	32.9	19.5	52.4	74.0	-21.6	Peak	Horizontal
*	8582.0	32.8	13.4	46.2	68.2	-22.0	Peak	Vertical
*	9933.5	32.3	15.3	47.6	68.2	-20.6	Peak	Vertical
	10962.0	31.7	18.4	50.1	74.0	-23.9	Peak	Vertical
	11599.5	31.9	19.4	51.3	74.0	-22.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11ac-VHT40 - Ant 2	Test Channel:	102
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8735.0	31.3	13.9	45.2	68.2	-23.0	Peak	Horizontal
*	9831.5	31.7	15.9	47.6	68.2	-20.6	Peak	Horizontal
	11013.0	32.1	18.5	50.6	74.0	-23.4	Peak	Horizontal
	11599.5	31.5	19.4	50.9	74.0	-23.1	Peak	Horizontal
*	8624.5	31.7	13.5	45.2	68.2	-23.0	Peak	Vertical
*	9874.0	32.7	15.8	48.5	68.2	-19.7	Peak	Vertical
	10902.5	31.7	18.3	50.0	74.0	-24.0	Peak	Vertical
	11582.5	31.2	19.5	50.7	74.0	-23.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11ac-VHT40 - Ant 2	Test Channel:	110
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8794.5	32.2	13.9	46.1	68.2	-22.1	Peak	Horizontal
*	9831.5	31.5	15.9	47.4	68.2	-20.8	Peak	Horizontal
	10919.5	32.0	18.4	50.4	74.0	-23.6	Peak	Horizontal
	11650.5	31.5	19.3	50.8	74.0	-23.2	Peak	Horizontal
*	8769.0	30.0	13.9	43.9	68.2	-24.3	Peak	Vertical
*	9729.5	33.0	14.7	47.7	68.2	-20.5	Peak	Vertical
	10860.0	32.1	18.2	50.3	74.0	-23.7	Peak	Vertical
	11565.5	31.1	19.5	50.6	74.0	-23.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11ac-VHT40 - Ant 2	Test Channel:	118
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8862.5	32.6	14.0	46.6	68.2	-21.6	Peak	Horizontal
*	9729.5	33.2	14.7	47.9	68.2	-20.3	Peak	Horizontal
	11064.0	31.4	18.5	49.9	74.0	-24.1	Peak	Horizontal
	11540.0	31.3	19.4	50.7	74.0	-23.3	Peak	Horizontal
*	8820.0	31.9	14.0	45.9	68.2	-22.3	Peak	Vertical
*	9797.5	32.9	15.1	48.0	68.2	-20.2	Peak	Vertical
	11047.0	31.0	18.5	49.5	74.0	-24.5	Peak	Vertical
	11565.5	32.2	19.5	51.7	74.0	-22.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11ac-VHT40 - Ant 2	Test Channel:	134
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8811.5	32.1	14.0	46.1	68.2	-22.1	Peak	Horizontal
*	9874.0	31.8	15.8	47.6	68.2	-20.6	Peak	Horizontal
	10826.0	30.6	18.0	48.6	74.0	-25.4	Peak	Horizontal
	11625.0	32.1	19.4	51.5	74.0	-22.5	Peak	Horizontal
*	8573.5	32.5	13.3	45.8	68.2	-22.4	Peak	Vertical
*	9653.0	32.8	14.5	47.3	68.2	-20.9	Peak	Vertical
	10970.5	32.2	18.4	50.6	74.0	-23.4	Peak	Vertical
	11659.0	31.8	19.3	51.1	74.0	-22.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11ac-VHT40 - Ant 2	Test Channel:	142
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8641.5	32.4	13.5	45.9	68.2	-22.3	Peak	Horizontal
*	9831.5	32.8	15.9	48.7	68.2	-19.5	Peak	Horizontal
	10868.5	31.0	18.2	49.2	74.0	-24.8	Peak	Horizontal
	11616.5	31.2	19.4	50.6	74.0	-23.4	Peak	Horizontal
*	8641.5	32.3	13.5	45.8	68.2	-22.4	Peak	Vertical
*	9729.5	32.9	14.7	47.6	68.2	-20.6	Peak	Vertical
	10911.0	31.5	18.4	49.9	74.0	-24.1	Peak	Vertical
	12118.0	32.4	18.9	51.3	74.0	-22.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11ac-VHT80 - Ant 2	Test Channel:	58
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8522.5	33.4	13.0	46.4	68.2	-21.8	Peak	Horizontal
*	9874.0	32.0	15.8	47.8	68.2	-20.4	Peak	Horizontal
	11038.5	31.3	18.5	49.8	74.0	-24.2	Peak	Horizontal
	11693.0	31.2	19.2	50.4	74.0	-23.6	Peak	Horizontal
*	8616.0	33.1	13.5	46.6	68.2	-21.6	Peak	Vertical
*	9738.0	33.8	14.8	48.6	68.2	-19.6	Peak	Vertical
	10945.0	31.8	18.4	50.2	74.0	-23.8	Peak	Vertical
	11608.0	32.3	19.4	51.7	74.0	-22.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11ac-VHT80 - Ant 2	Test Channel:	106
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8607.5	32.7	13.5	46.2	68.2	-22.0	Peak	Horizontal
*	9729.5	32.6	14.7	47.3	68.2	-20.9	Peak	Horizontal
	11004.5	31.1	18.5	49.6	74.0	-24.4	Peak	Horizontal
	11667.5	31.3	19.3	50.6	74.0	-23.4	Peak	Horizontal
*	8590.5	32.7	13.4	46.1	68.2	-22.1	Peak	Vertical
*	9848.5	32.1	16.1	48.2	68.2	-20.0	Peak	Vertical
	10987.5	32.1	18.5	50.6	74.0	-23.4	Peak	Vertical
	11608.0	31.2	19.4	50.6	74.0	-23.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11ac-VHT80 - Ant 2	Test Channel:	122
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8888.0	31.8	14.0	45.8	68.2	-22.4	Peak	Horizontal
*	9857.0	31.8	16.2	48.0	68.2	-20.2	Peak	Horizontal
	11021.5	31.5	18.5	50.0	74.0	-24.0	Peak	Horizontal
	11591.0	31.3	19.5	50.8	74.0	-23.2	Peak	Horizontal
*	8692.5	31.1	13.7	44.8	68.2	-23.4	Peak	Vertical
*	9857.0	31.3	16.2	47.5	68.2	-20.7	Peak	Vertical
	11523.0	30.9	19.4	50.3	74.0	-23.7	Peak	Vertical
	12050.0	31.7	18.8	50.5	74.0	-23.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11ac-VHT80 - Ant 2	Test Channel:	138
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8565.0	32.7	13.3	46.0	68.2	-22.2	Peak	Horizontal
*	9636.0	32.9	14.4	47.3	68.2	-20.9	Peak	Horizontal
	11081.0	31.7	18.6	50.3	74.0	-23.7	Peak	Horizontal
	11497.5	31.6	19.3	50.9	74.0	-23.1	Peak	Horizontal
*	8582.0	33.9	13.4	47.3	68.2	-20.9	Peak	Vertical
*	9746.5	32.9	14.8	47.7	68.2	-20.5	Peak	Vertical
	10919.5	31.2	18.4	49.6	74.0	-24.4	Peak	Vertical
	11659.0	32.4	19.3	51.7	74.0	-22.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11a - Ant 1 + 2 (CDD Mode)	Test Channel:	52
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8556.5	32.6	13.2	45.8	68.2	-22.4	Peak	Horizontal
*	9967.5	32.8	15.3	48.1	68.2	-20.1	Peak	Horizontal
	11574.0	31.4	19.5	50.9	74.0	-23.1	Peak	Horizontal
	12101.0	32.4	18.9	51.3	74.0	-22.7	Peak	Horizontal
*	8641.5	32.3	13.5	45.8	68.2	-22.4	Peak	Vertical
*	9627.5	32.8	14.4	47.2	68.2	-21.0	Peak	Vertical
	10928.0	31.6	18.4	50.0	74.0	-24.0	Peak	Vertical
	11463.5	31.2	19.3	50.5	74.0	-23.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11a - Ant 1 + 2 (CDD Mode)	Test Channel:	60
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8845.5	31.5	14.0	45.5	68.2	-22.7	Peak	Horizontal
*	9678.5	33.1	14.6	47.7	68.2	-20.5	Peak	Horizontal
	11038.5	31.0	18.5	49.5	74.0	-24.5	Peak	Horizontal
	11633.5	32.0	19.4	51.4	74.0	-22.6	Peak	Horizontal
*	8582.0	33.5	13.4	46.9	68.2	-21.3	Peak	Vertical
*	9721.0	32.5	14.7	47.2	68.2	-21.0	Peak	Vertical
	10690.0	32.5	17.4	49.9	74.0	-24.1	Peak	Vertical
	11514.5	31.1	19.4	50.5	74.0	-23.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11a - Ant 1 + 2 (CDD Mode)	Test Channel:	64
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8862.5	31.7	14.0	45.7	68.2	-22.5	Peak	Horizontal
*	9644.5	32.5	14.4	46.9	68.2	-21.3	Peak	Horizontal
	10639.0	31.4	17.4	48.8	74.0	-25.2	Peak	Horizontal
	11319.0	31.9	18.9	50.8	74.0	-23.2	Peak	Horizontal
*	8726.5	32.5	13.8	46.3	68.2	-21.9	Peak	Vertical
*	9729.5	32.6	14.7	47.3	68.2	-20.9	Peak	Vertical
	10979.0	31.7	18.5	50.2	74.0	-23.8	Peak	Vertical
	12118.0	31.5	18.9	50.4	74.0	-23.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11a - Ant 1 + 2 (CDD Mode)	Test Channel:	100
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8922.0	32.2	14.0	46.2	68.2	-22.0	Peak	Horizontal
*	9797.5	32.7	15.1	47.8	68.2	-20.4	Peak	Horizontal
	11463.5	32.4	19.3	51.7	74.0	-22.3	Peak	Horizontal
	12169.0	31.1	18.8	49.9	74.0	-24.1	Peak	Horizontal
*	8624.5	32.0	13.5	45.5	68.2	-22.7	Peak	Vertical
*	9670.0	32.5	14.5	47.0	68.2	-21.2	Peak	Vertical
	10962.0	31.2	18.4	49.6	74.0	-24.4	Peak	Vertical
	11591.0	31.5	19.5	51.0	74.0	-23.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11a - Ant 1 + 2 (CDD Mode)	Test Channel:	116
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8718.0	32.2	13.8	46.0	68.2	-22.2	Peak	Horizontal
*	9857.0	31.3	16.2	47.5	68.2	-20.7	Peak	Horizontal
	10936.5	32.0	18.4	50.4	74.0	-23.6	Peak	Horizontal
	11591.0	31.5	19.5	51.0	74.0	-23.0	Peak	Horizontal
*	8624.5	32.8	13.5	46.3	68.2	-21.9	Peak	Vertical
*	9840.0	31.6	16.0	47.6	68.2	-20.6	Peak	Vertical
	10928.0	31.6	18.4	50.0	74.0	-24.0	Peak	Vertical
	11625.0	32.3	19.4	51.7	74.0	-22.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11a - Ant 1 + 2 (CDD Mode)	Test Channel:	120
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8616.0	33.5	13.5	47.0	68.2	-21.2	Peak	Horizontal
*	9729.5	33.5	14.7	48.2	68.2	-20.0	Peak	Horizontal
	11013.0	31.1	18.5	49.6	74.0	-24.4	Peak	Horizontal
	11523.0	31.0	19.4	50.4	74.0	-23.6	Peak	Horizontal
*	8658.5	31.9	13.6	45.5	68.2	-22.7	Peak	Vertical
*	9729.5	33.3	14.7	48.0	68.2	-20.2	Peak	Vertical
	11480.5	30.5	19.3	49.8	74.0	-24.2	Peak	Vertical
	12033.0	31.5	18.8	50.3	74.0	-23.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11a - Ant 1 + 2 (CDD Mode)	Test Channel:	140
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8573.5	32.5	13.3	45.8	68.2	-22.4	Peak	Horizontal
*	9687.0	33.6	14.6	48.2	68.2	-20.0	Peak	Horizontal
	10970.5	31.9	18.4	50.3	74.0	-23.7	Peak	Horizontal
	12152.0	31.4	18.9	50.3	74.0	-23.7	Peak	Horizontal
*	8845.5	31.7	14.0	45.7	68.2	-22.5	Peak	Vertical
*	9712.5	32.3	14.7	47.0	68.2	-21.2	Peak	Vertical
	10936.5	31.8	18.4	50.2	74.0	-23.8	Peak	Vertical
	11642.0	30.8	19.4	50.2	74.0	-23.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11a - Ant 1 + 2 (CDD Mode)	Test Channel:	144
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8590.5	32.9	13.4	46.3	68.2	-21.9	Peak	Horizontal
*	9746.5	31.9	14.8	46.7	68.2	-21.5	Peak	Horizontal
	11055.5	31.3	18.5	49.8	74.0	-24.2	Peak	Horizontal
	11446.5	31.7	19.2	50.9	74.0	-23.1	Peak	Horizontal
*	8845.5	32.2	14.0	46.2	68.2	-22.0	Peak	Vertical
*	9619.0	32.9	14.4	47.3	68.2	-20.9	Peak	Vertical
	10970.5	31.4	18.4	49.8	74.0	-24.2	Peak	Vertical
	11582.5	32.0	19.5	51.5	74.0	-22.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT20 - Ant 1 + 2 (CDD Mode)	Test Channel:	52
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8624.5	32.3	13.5	45.8	68.2	-22.4	Peak	Horizontal
*	9619.0	32.8	14.4	47.2	68.2	-21.0	Peak	Horizontal
	10953.5	31.1	18.4	49.5	74.0	-24.5	Peak	Horizontal
	11608.0	31.3	19.4	50.7	74.0	-23.3	Peak	Horizontal
*	8828.5	31.5	14.0	45.5	68.2	-22.7	Peak	Vertical
*	9602.0	32.7	14.4	47.1	68.2	-21.1	Peak	Vertical
	10953.5	31.4	18.4	49.8	74.0	-24.2	Peak	Vertical
	11608.0	30.7	19.4	50.1	74.0	-23.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT20 - Ant 1 + 2 (CDD Mode)	Test Channel:	60
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8582.0	32.4	13.4	45.8	68.2	-22.4	Peak	Horizontal
*	9848.5	31.3	16.1	47.4	68.2	-20.8	Peak	Horizontal
	10928.0	30.4	18.4	48.8	74.0	-25.2	Peak	Horizontal
	11591.0	31.0	19.5	50.5	74.0	-23.5	Peak	Horizontal
*	8641.5	31.8	13.5	45.3	68.2	-22.9	Peak	Vertical
*	9661.5	33.1	14.5	47.6	68.2	-20.6	Peak	Vertical
	10826.0	30.5	18.0	48.5	74.0	-25.5	Peak	Vertical
	11633.5	31.3	19.4	50.7	74.0	-23.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT20 - Ant 1 + 2 (CDD Mode)	Test Channel:	64
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8616.0	33.2	13.5	46.7	68.2	-21.5	Peak	Horizontal
*	9687.0	32.5	14.6	47.1	68.2	-21.1	Peak	Horizontal
	11514.5	31.7	19.4	51.1	74.0	-22.9	Peak	Horizontal
	12041.5	31.9	18.8	50.7	74.0	-23.3	Peak	Horizontal
*	8633.0	32.5	13.5	46.0	68.2	-22.2	Peak	Vertical
*	9840.0	31.3	16.0	47.3	68.2	-20.9	Peak	Vertical
	11055.5	31.1	18.5	49.6	74.0	-24.4	Peak	Vertical
	12135.0	31.0	18.9	49.9	74.0	-24.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT20 - Ant 1 + 2 (CDD Mode)	Test Channel:	100
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8633.0	32.3	13.5	45.8	68.2	-22.4	Peak	Horizontal
*	9831.5	31.9	15.9	47.8	68.2	-20.4	Peak	Horizontal
	11319.0	30.7	18.9	49.6	74.0	-24.4	Peak	Horizontal
	11633.5	31.6	19.4	51.0	74.0	-23.0	Peak	Horizontal
*	8565.0	32.5	13.3	45.8	68.2	-22.4	Peak	Vertical
*	9712.5	32.7	14.7	47.4	68.2	-20.8	Peak	Vertical
	10656.0	31.5	17.4	48.9	74.0	-25.1	Peak	Vertical
	11523.0	31.7	19.4	51.1	74.0	-22.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT20 - Ant 1 + 2 (CDD Mode)	Test Channel:	116
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8616.0	31.8	13.5	45.3	68.2	-22.9	Peak	Horizontal
*	9865.5	31.9	16.0	47.9	68.2	-20.3	Peak	Horizontal
	10979.0	31.4	18.5	49.9	74.0	-24.1	Peak	Horizontal
	11650.5	31.5	19.3	50.8	74.0	-23.2	Peak	Horizontal
*	8879.5	31.8	14.0	45.8	68.2	-22.4	Peak	Vertical
*	9729.5	32.6	14.7	47.3	68.2	-20.9	Peak	Vertical
	11004.5	30.9	18.5	49.4	74.0	-24.6	Peak	Vertical
	11667.5	31.7	19.3	51.0	74.0	-23.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT20 - Ant 1 + 2 (CDD Mode)	Test Channel:	120
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8616.0	31.9	13.5	45.4	68.2	-22.8	Peak	Horizontal
*	9704.0	32.7	14.6	47.3	68.2	-20.9	Peak	Horizontal
	11013.0	31.5	18.5	50.0	74.0	-24.0	Peak	Horizontal
	11659.0	31.1	19.3	50.4	74.0	-23.6	Peak	Horizontal
*	8879.5	31.7	14.0	45.7	68.2	-22.5	Peak	Vertical
*	9865.5	32.1	16.0	48.1	68.2	-20.1	Peak	Vertical
	10945.0	31.5	18.4	49.9	74.0	-24.1	Peak	Vertical
	11650.5	30.9	19.3	50.2	74.0	-23.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT20 - Ant 1 + 2 (CDD Mode)	Test Channel:	140
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8633.0	32.8	13.5	46.3	68.2	-21.9	Peak	Horizontal
*	9848.5	31.8	16.1	47.9	68.2	-20.3	Peak	Horizontal
	11557.0	30.8	19.5	50.3	74.0	-23.7	Peak	Horizontal
	12109.5	31.7	18.9	50.6	74.0	-23.4	Peak	Horizontal
*	8854.0	31.4	14.0	45.4	68.2	-22.8	Peak	Vertical
*	9729.5	32.9	14.7	47.6	68.2	-20.6	Peak	Vertical
	10843.0	31.2	18.1	49.3	74.0	-24.7	Peak	Vertical
	11608.0	31.8	19.4	51.2	74.0	-22.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT20 - Ant 1 + 2 (CDD Mode)	Test Channel:	144
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8845.5	32.0	14.0	46.0	68.2	-22.2	Peak	Horizontal
*	9712.5	32.6	14.7	47.3	68.2	-20.9	Peak	Horizontal
	10613.5	32.3	17.3	49.6	74.0	-24.4	Peak	Horizontal
	11455.0	32.5	19.2	51.7	74.0	-22.3	Peak	Horizontal
*	8582.0	32.8	13.4	46.2	68.2	-22.0	Peak	Vertical
*	9551.0	32.2	14.4	46.6	68.2	-21.6	Peak	Vertical
	10715.5	31.5	17.5	49.0	74.0	-25.0	Peak	Vertical
	11438.0	32.6	19.2	51.8	74.0	-22.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT40 - Ant 1 + 2 (CDD Mode)	Test Channel:	54
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8633.0	32.2	13.5	45.7	68.2	-22.5	Peak	Horizontal
*	9721.0	32.7	14.7	47.4	68.2	-20.8	Peak	Horizontal
	10996.0	31.0	18.5	49.5	74.0	-24.5	Peak	Horizontal
	11633.5	31.2	19.4	50.6	74.0	-23.4	Peak	Horizontal
*	8565.0	32.8	13.3	46.1	68.2	-22.1	Peak	Vertical
*	9755.0	32.6	14.8	47.4	68.2	-20.8	Peak	Vertical
	11404.0	31.0	19.1	50.1	74.0	-23.9	Peak	Vertical
	12135.0	31.9	18.9	50.8	74.0	-23.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT40 - Ant 1 + 2 (CDD Mode)	Test Channel:	62
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8616.0	31.9	13.5	45.4	68.2	-22.8	Peak	Horizontal
*	9848.5	32.2	16.1	48.3	68.2	-19.9	Peak	Horizontal
	10979.0	31.7	18.5	50.2	74.0	-23.8	Peak	Horizontal
	11633.5	31.5	19.4	50.9	74.0	-23.1	Peak	Horizontal
*	8862.5	31.9	14.0	45.9	68.2	-22.3	Peak	Vertical
*	9848.5	31.3	16.1	47.4	68.2	-20.8	Peak	Vertical
	10962.0	31.1	18.4	49.5	74.0	-24.5	Peak	Vertical
	11599.5	31.3	19.4	50.7	74.0	-23.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT40 - Ant 1 + 2 (CDD Mode)	Test Channel:	102
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8854.0	31.7	14.0	45.7	68.2	-22.5	Peak	Horizontal
*	9857.0	32.0	16.2	48.2	68.2	-20.0	Peak	Horizontal
	11047.0	30.8	18.5	49.3	74.0	-24.7	Peak	Horizontal
	11591.0	31.3	19.5	50.8	74.0	-23.2	Peak	Horizontal
*	8675.5	31.9	13.7	45.6	68.2	-22.6	Peak	Vertical
*	9814.5	32.1	15.4	47.5	68.2	-20.7	Peak	Vertical
	11548.5	30.2	19.4	49.6	74.0	-24.4	Peak	Vertical
	12492.0	31.9	18.5	50.4	74.0	-23.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT40 - Ant 1 + 2 (CDD Mode)	Test Channel:	110
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8854.0	31.8	14.0	45.8	68.2	-22.4	Peak	Horizontal
*	9636.0	31.4	14.4	45.8	68.2	-22.4	Peak	Horizontal
	10911.0	31.2	18.4	49.6	74.0	-24.4	Peak	Horizontal
	11591.0	31.4	19.5	50.9	74.0	-23.1	Peak	Horizontal
*	8599.0	32.6	13.4	46.0	68.2	-22.2	Peak	Vertical
*	9738.0	32.7	14.8	47.5	68.2	-20.7	Peak	Vertical
	10936.5	31.7	18.4	50.1	74.0	-23.9	Peak	Vertical
	12101.0	32.1	18.9	51.0	74.0	-23.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT40 - Ant 1 + 2 (CDD Mode)	Test Channel:	118
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8922.0	33.0	14.0	47.0	68.2	-21.2	Peak	Horizontal
*	9738.0	32.7	14.8	47.5	68.2	-20.7	Peak	Horizontal
	10979.0	31.7	18.5	50.2	74.0	-23.8	Peak	Horizontal
	11599.5	31.3	19.4	50.7	74.0	-23.3	Peak	Horizontal
*	8565.0	32.3	13.3	45.6	68.2	-22.6	Peak	Vertical
*	9857.0	31.6	16.2	47.8	68.2	-20.4	Peak	Vertical
	11081.0	30.9	18.6	49.5	74.0	-24.5	Peak	Vertical
	11650.5	31.2	19.3	50.5	74.0	-23.5	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT40 - Ant 1 + 2 (CDD Mode)	Test Channel:	134
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8871.0	32.3	14.0	46.3	68.2	-21.9	Peak	Horizontal
*	9831.5	31.8	15.9	47.7	68.2	-20.5	Peak	Horizontal
	10953.5	31.1	18.4	49.5	74.0	-24.5	Peak	Horizontal
	11548.5	30.9	19.4	50.3	74.0	-23.7	Peak	Horizontal
*	8633.0	32.1	13.5	45.6	68.2	-22.6	Peak	Vertical
*	9908.0	33.0	15.3	48.3	68.2	-19.9	Peak	Vertical
	11047.0	31.3	18.5	49.8	74.0	-24.2	Peak	Vertical
	11506.0	31.5	19.4	50.9	74.0	-23.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT40 - Ant 1 + 2 (CDD Mode)	Test Channel:	142
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8820.0	31.9	14.0	45.9	68.2	-22.3	Peak	Horizontal
*	9848.5	31.0	16.1	47.1	68.2	-21.1	Peak	Horizontal
	11098.0	32.0	18.6	50.6	74.0	-23.4	Peak	Horizontal
	11557.0	31.1	19.5	50.6	74.0	-23.4	Peak	Horizontal
*	8828.5	31.6	14.0	45.6	68.2	-22.6	Peak	Vertical
*	9610.5	32.7	14.4	47.1	68.2	-21.1	Peak	Vertical
	10996.0	31.6	18.5	50.1	74.0	-23.9	Peak	Vertical
	11574.0	31.8	19.5	51.3	74.0	-22.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT20 - Ant 1 + 2 (CDD Mode)	Test Channel:	52
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8599.0	32.0	13.4	45.4	68.2	-22.8	Peak	Horizontal
*	9678.5	32.2	14.6	46.8	68.2	-21.4	Peak	Horizontal
	11625.0	31.8	19.4	51.2	74.0	-22.8	Peak	Horizontal
	12441.0	31.1	18.4	49.5	74.0	-24.5	Peak	Horizontal
*	8624.5	32.9	13.5	46.4	68.2	-21.8	Peak	Vertical
*	9882.5	32.4	15.6	48.0	68.2	-20.2	Peak	Vertical
	10936.5	31.4	18.4	49.8	74.0	-24.2	Peak	Vertical
	11676.0	31.1	19.2	50.3	74.0	-23.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT20 - Ant 1 + 2 (CDD Mode)	Test Channel:	60
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8854.0	31.9	14.0	45.9	68.2	-22.3	Peak	Horizontal
*	9746.5	32.5	14.8	47.3	68.2	-20.9	Peak	Horizontal
	10970.5	31.6	18.4	50.0	74.0	-24.0	Peak	Horizontal
	11633.5	31.7	19.4	51.1	74.0	-22.9	Peak	Horizontal
*	8582.0	32.3	13.4	45.7	68.2	-22.5	Peak	Vertical
*	9712.5	32.7	14.7	47.4	68.2	-20.8	Peak	Vertical
	11353.0	30.8	19.0	49.8	74.0	-24.2	Peak	Vertical
	11667.5	31.8	19.3	51.1	74.0	-22.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT20 - Ant 1 + 2 (CDD Mode)	Test Channel:	64
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8582.0	32.4	13.4	45.8	68.2	-22.4	Peak	Horizontal
*	9891.0	32.5	15.5	48.0	68.2	-20.2	Peak	Horizontal
	10953.5	31.8	18.4	50.2	74.0	-23.8	Peak	Horizontal
	11591.0	30.9	19.5	50.4	74.0	-23.6	Peak	Horizontal
*	8837.0	32.1	14.0	46.1	68.2	-22.1	Peak	Vertical
*	9610.5	32.9	14.4	47.3	68.2	-20.9	Peak	Vertical
	10851.5	32.4	18.1	50.5	74.0	-23.5	Peak	Vertical
	11659.0	31.4	19.3	50.7	74.0	-23.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT20 - Ant 1 + 2 (CDD Mode)	Test Channel:	100
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8828.5	31.0	14.0	45.0	68.2	-23.2	Peak	Horizontal
*	9729.5	32.3	14.7	47.0	68.2	-21.2	Peak	Horizontal
	10945.0	31.2	18.4	49.6	74.0	-24.4	Peak	Horizontal
	11659.0	31.4	19.3	50.7	74.0	-23.3	Peak	Horizontal
*	8633.0	32.4	13.5	45.9	68.2	-22.3	Peak	Vertical
*	9687.0	32.1	14.6	46.7	68.2	-21.5	Peak	Vertical
	11276.5	30.8	18.8	49.6	74.0	-24.4	Peak	Vertical
	12067.0	31.5	18.8	50.3	74.0	-23.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT20 - Ant 1 + 2 (CDD Mode)	Test Channel:	116
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8811.5	31.7	14.0	45.7	68.2	-22.5	Peak	Horizontal
*	9840.0	31.7	16.0	47.7	68.2	-20.5	Peak	Horizontal
	11625.0	31.1	19.4	50.5	74.0	-23.5	Peak	Horizontal
	12135.0	31.8	18.9	50.7	74.0	-23.3	Peak	Horizontal
*	8565.0	32.8	13.3	46.1	68.2	-22.1	Peak	Vertical
*	9831.5	31.8	15.9	47.7	68.2	-20.5	Peak	Vertical
	10902.5	31.5	18.3	49.8	74.0	-24.2	Peak	Vertical
	12143.5	31.8	18.9	50.7	74.0	-23.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT20 - Ant 1 + 2 (CDD Mode)	Test Channel:	120
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8854.0	31.5	14.0	45.5	68.2	-22.7	Peak	Horizontal
*	9746.5	33.4	14.8	48.2	68.2	-20.0	Peak	Horizontal
	10945.0	31.2	18.4	49.6	74.0	-24.4	Peak	Horizontal
	12092.5	32.0	18.9	50.9	74.0	-23.1	Peak	Horizontal
*	8633.0	31.9	13.5	45.4	68.2	-22.8	Peak	Vertical
*	9687.0	32.5	14.6	47.1	68.2	-21.1	Peak	Vertical
	10928.0	31.8	18.4	50.2	74.0	-23.8	Peak	Vertical
	12466.5	33.5	18.5	52.0	74.0	-22.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT20 - Ant 1 + 2 (CDD Mode)	Test Channel:	140
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8692.5	31.5	13.7	45.2	68.2	-23.0	Peak	Horizontal
*	9891.0	32.3	15.5	47.8	68.2	-20.4	Peak	Horizontal
	11072.5	31.8	18.6	50.4	74.0	-23.6	Peak	Horizontal
	11650.5	31.1	19.3	50.4	74.0	-23.6	Peak	Horizontal
*	8811.5	31.3	14.0	45.3	68.2	-22.9	Peak	Vertical
*	9857.0	32.7	16.2	48.9	68.2	-19.3	Peak	Vertical
	11591.0	31.3	19.5	50.8	74.0	-23.2	Peak	Vertical
	12101.0	32.5	18.9	51.4	74.0	-22.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT20 - Ant 1 + 2 (CDD Mode)	Test Channel:	144
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8573.5	32.9	13.3	46.2	68.2	-22.0	Peak	Horizontal
*	9636.0	32.7	14.4	47.1	68.2	-21.1	Peak	Horizontal
	10877.0	30.6	18.2	48.8	74.0	-25.2	Peak	Horizontal
	11446.5	32.2	19.2	51.4	74.0	-22.6	Peak	Horizontal
*	8956.0	32.1	14.0	46.1	68.2	-22.1	Peak	Vertical
*	9831.5	32.0	15.9	47.9	68.2	-20.3	Peak	Vertical
	10894.0	31.6	18.3	49.9	74.0	-24.1	Peak	Vertical
	11574.0	31.3	19.5	50.8	74.0	-23.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT40 - Ant 1 + 2 (CDD Mode)	Test Channel:	54
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8896.5	32.4	14.0	46.4	68.2	-21.8	Peak	Horizontal
*	9814.5	31.2	15.4	46.6	68.2	-21.6	Peak	Horizontal
	11259.5	31.3	18.8	50.1	74.0	-23.9	Peak	Horizontal
	11565.5	31.0	19.5	50.5	74.0	-23.5	Peak	Horizontal
*	8684.0	31.8	13.7	45.5	68.2	-22.7	Peak	Vertical
*	9687.0	33.5	14.6	48.1	68.2	-20.1	Peak	Vertical
	10902.5	31.6	18.3	49.9	74.0	-24.1	Peak	Vertical
	11574.0	31.5	19.5	51.0	74.0	-23.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT40 - Ant 1 + 2 (CDD Mode)	Test Channel:	62
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8616.0	32.5	13.5	46.0	68.2	-22.2	Peak	Horizontal
*	9789.0	32.9	15.0	47.9	68.2	-20.3	Peak	Horizontal
	11285.0	31.3	18.8	50.1	74.0	-23.9	Peak	Horizontal
	11625.0	31.5	19.4	50.9	74.0	-23.1	Peak	Horizontal
*	8582.0	32.7	13.4	46.1	68.2	-22.1	Peak	Vertical
*	9865.5	31.8	16.0	47.8	68.2	-20.4	Peak	Vertical
	11208.5	30.9	18.8	49.7	74.0	-24.3	Peak	Vertical
	11599.5	31.0	19.4	50.4	74.0	-23.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT40 - Ant 1 + 2 (CDD Mode)	Test Channel:	102
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8769.0	32.5	13.9	46.4	68.2	-21.8	Peak	Horizontal
*	9729.5	32.4	14.7	47.1	68.2	-21.1	Peak	Horizontal
	10928.0	31.6	18.4	50.0	74.0	-24.0	Peak	Horizontal
	11642.0	31.7	19.4	51.1	74.0	-22.9	Peak	Horizontal
*	8794.5	31.5	13.9	45.4	68.2	-22.8	Peak	Vertical
*	9857.0	32.3	16.2	48.5	68.2	-19.7	Peak	Vertical
	10911.0	31.9	18.4	50.3	74.0	-23.7	Peak	Vertical
	11608.0	31.7	19.4	51.1	74.0	-22.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT40 - Ant 1 + 2 (CDD Mode)	Test Channel:	110
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8820.0	31.5	14.0	45.5	68.2	-22.7	Peak	Horizontal
*	9848.5	31.4	16.1	47.5	68.2	-20.7	Peak	Horizontal
	10885.5	31.6	18.3	49.9	74.0	-24.1	Peak	Horizontal
	11625.0	32.5	19.4	51.9	74.0	-22.1	Peak	Horizontal
*	8599.0	33.0	13.4	46.4	68.2	-21.8	Peak	Vertical
*	9831.5	31.5	15.9	47.4	68.2	-20.8	Peak	Vertical
	10928.0	32.5	18.4	50.9	74.0	-23.1	Peak	Vertical
	11591.0	31.1	19.5	50.6	74.0	-23.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT40 - Ant 1 + 2 (CDD Mode)	Test Channel:	118
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8828.5	31.6	14.0	45.6	68.2	-22.6	Peak	Horizontal
*	9848.5	32.7	16.1	48.8	68.2	-19.4	Peak	Horizontal
	10970.5	31.4	18.4	49.8	74.0	-24.2	Peak	Horizontal
	11642.0	31.1	19.4	50.5	74.0	-23.5	Peak	Horizontal
*	8828.5	31.6	14.0	45.6	68.2	-22.6	Peak	Vertical
*	9840.0	31.9	16.0	47.9	68.2	-20.3	Peak	Vertical
	11310.5	31.9	18.9	50.8	74.0	-23.2	Peak	Vertical
	12050.0	31.4	18.8	50.2	74.0	-23.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT40 - Ant 1 + 2 (CDD Mode)	Test Channel:	134
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8854.0	32.1	14.0	46.1	68.2	-22.1	Peak	Horizontal
*	9865.5	31.7	16.0	47.7	68.2	-20.5	Peak	Horizontal
	10919.5	31.6	18.4	50.0	74.0	-24.0	Peak	Horizontal
	11744.0	31.5	18.9	50.4	74.0	-23.6	Peak	Horizontal
*	8633.0	32.9	13.5	46.4	68.2	-21.8	Peak	Vertical
*	9670.0	33.0	14.5	47.5	68.2	-20.7	Peak	Vertical
	10936.5	32.3	18.4	50.7	74.0	-23.3	Peak	Vertical
	11608.0	30.7	19.4	50.1	74.0	-23.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT40 - Ant 1 + 2 (CDD Mode)	Test Channel:	142
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8854.0	31.8	14.0	45.8	68.2	-22.4	Peak	Horizontal
*	9729.5	32.9	14.7	47.6	68.2	-20.6	Peak	Horizontal
	10911.0	31.5	18.4	49.9	74.0	-24.1	Peak	Horizontal
	11421.0	32.2	19.1	51.3	74.0	-22.7	Peak	Horizontal
*	8641.5	33.1	13.5	46.6	68.2	-21.6	Peak	Vertical
*	9712.5	32.5	14.7	47.2	68.2	-21.0	Peak	Vertical
	10979.0	30.7	18.5	49.2	74.0	-24.8	Peak	Vertical
	11591.0	31.1	19.5	50.6	74.0	-23.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT80 - Ant 1 + 2 (CDD Mode)	Test Channel:	58
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8624.5	32.3	13.5	45.8	68.2	-22.4	Peak	Horizontal
*	9848.5	31.3	16.1	47.4	68.2	-20.8	Peak	Horizontal
	11055.5	31.6	18.5	50.1	74.0	-23.9	Peak	Horizontal
	11608.0	31.5	19.4	50.9	74.0	-23.1	Peak	Horizontal
*	8871.0	32.1	14.0	46.1	68.2	-22.1	Peak	Vertical
*	9950.5	33.0	15.3	48.3	68.2	-19.9	Peak	Vertical
	10953.5	32.0	18.4	50.4	74.0	-23.6	Peak	Vertical
	12075.5	32.1	18.9	51.0	74.0	-23.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT80 - Ant 1 + 2 (CDD Mode)	Test Channel:	106
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8854.0	32.3	14.0	46.3	68.2	-21.9	Peak	Horizontal
*	9874.0	31.9	15.8	47.7	68.2	-20.5	Peak	Horizontal
	11064.0	31.5	18.5	50.0	74.0	-24.0	Peak	Horizontal
	12135.0	31.3	18.9	50.2	74.0	-23.8	Peak	Horizontal
*	8854.0	31.4	14.0	45.4	68.2	-22.8	Peak	Vertical
*	9636.0	31.3	14.4	45.7	68.2	-22.5	Peak	Vertical
	10928.0	30.0	18.4	48.4	74.0	-25.6	Peak	Vertical
	11735.5	29.9	19.0	48.9	74.0	-25.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT80 - Ant 1 + 2 (CDD Mode)	Test Channel:	122
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8922.0	31.5	14.0	45.5	68.2	-22.7	Peak	Horizontal
*	10248.0	32.7	16.4	49.1	68.2	-19.1	Peak	Horizontal
	11557.0	31.3	19.5	50.8	74.0	-23.2	Peak	Horizontal
	12109.5	31.3	18.9	50.2	74.0	-23.8	Peak	Horizontal
*	8582.0	33.1	13.4	46.5	68.2	-21.7	Peak	Vertical
*	9678.5	32.2	14.6	46.8	68.2	-21.4	Peak	Vertical
	11497.5	31.1	19.3	50.4	74.0	-23.6	Peak	Vertical
	11897.0	30.1	18.6	48.7	74.0	-25.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT80 - Ant 1 + 2 (CDD Mode)	Test Channel:	138
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8573.5	32.2	13.3	45.5	68.2	-22.7	Peak	Horizontal
*	9874.0	32.1	15.8	47.9	68.2	-20.3	Peak	Horizontal
	11030.0	31.5	18.5	50.0	74.0	-24.0	Peak	Horizontal
	11574.0	31.1	19.5	50.6	74.0	-23.4	Peak	Horizontal
*	8658.5	30.5	13.6	44.1	68.2	-24.1	Peak	Vertical
*	9619.0	32.8	14.4	47.2	68.2	-21.0	Peak	Vertical
	11055.5	31.1	18.5	49.6	74.0	-24.4	Peak	Vertical
	11591.0	31.4	19.5	50.9	74.0	-23.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT20 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	52
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8837.0	31.8	14.0	45.8	68.2	-22.4	Peak	Horizontal
*	9848.5	31.3	16.1	47.4	68.2	-20.8	Peak	Horizontal
	10860.0	31.6	18.2	49.8	74.0	-24.2	Peak	Horizontal
	11565.5	31.1	19.5	50.6	74.0	-23.4	Peak	Horizontal
*	8854.0	31.5	14.0	45.5	68.2	-22.7	Peak	Vertical
*	9891.0	32.2	15.5	47.7	68.2	-20.5	Peak	Vertical
	10809.0	31.1	17.9	49.0	74.0	-25.0	Peak	Vertical
	11421.0	30.9	19.1	50.0	74.0	-24.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT20 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	60
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8845.5	31.3	14.0	45.3	68.2	-22.9	Peak	Horizontal
*	9848.5	30.9	16.1	47.0	68.2	-21.2	Peak	Horizontal
	10826.0	30.6	18.0	48.6	74.0	-25.4	Peak	Horizontal
	11591.0	30.9	19.5	50.4	74.0	-23.6	Peak	Horizontal
*	8888.0	31.5	14.0	45.5	68.2	-22.7	Peak	Vertical
*	9772.0	32.8	14.9	47.7	68.2	-20.5	Peak	Vertical
	10936.5	30.7	18.4	49.1	74.0	-24.9	Peak	Vertical
	12152.0	31.0	18.9	49.9	74.0	-24.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT20 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	64
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8641.5	32.3	13.5	45.8	68.2	-22.4	Peak	Horizontal
*	9831.5	33.0	15.9	48.9	68.2	-19.3	Peak	Horizontal
	11115.0	31.4	18.6	50.0	74.0	-24.0	Peak	Horizontal
	12041.5	31.1	18.8	49.9	74.0	-24.1	Peak	Horizontal
*	8913.5	31.6	14.0	45.6	68.2	-22.6	Peak	Vertical
*	9831.5	33.0	15.9	48.9	68.2	-19.3	Peak	Vertical
	11115.0	31.4	18.6	50.0	74.0	-24.0	Peak	Vertical
	11582.5	31.3	19.5	50.8	74.0	-23.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT20 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	100
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8684.0	32.4	13.7	46.1	68.2	-22.1	Peak	Horizontal
*	9780.5	32.1	14.9	47.0	68.2	-21.2	Peak	Horizontal
	10792.0	31.6	17.9	49.5	74.0	-24.5	Peak	Horizontal
	11557.0	30.7	19.5	50.2	74.0	-23.8	Peak	Horizontal
*	8820.0	31.3	14.0	45.3	68.2	-22.9	Peak	Vertical
*	9857.0	30.5	16.2	46.7	68.2	-21.5	Peak	Vertical
	11055.5	31.0	18.5	49.5	74.0	-24.5	Peak	Vertical
	11616.5	31.5	19.4	50.9	74.0	-23.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT20 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	116
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8599.0	33.1	13.4	46.5	68.2	-21.7	Peak	Horizontal
*	9865.5	31.9	16.0	47.9	68.2	-20.3	Peak	Horizontal
	11123.5	30.9	18.6	49.5	74.0	-24.5	Peak	Horizontal
	11616.5	31.2	19.4	50.6	74.0	-23.4	Peak	Horizontal
*	8650.0	31.3	13.6	44.9	68.2	-23.3	Peak	Vertical
*	9729.5	32.3	14.7	47.0	68.2	-21.2	Peak	Vertical
	10741.0	30.8	17.6	48.4	74.0	-25.6	Peak	Vertical
	11633.5	30.8	19.4	50.2	74.0	-23.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT20 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	120
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8650.0	30.1	13.6	43.7	68.2	-24.5	Peak	Horizontal
*	9831.5	30.6	15.9	46.5	68.2	-21.7	Peak	Horizontal
	10826.0	30.6	18.0	48.6	74.0	-25.4	Peak	Horizontal
	11472.0	30.6	19.3	49.9	74.0	-24.1	Peak	Horizontal
*	8879.5	31.5	14.0	45.5	68.2	-22.7	Peak	Vertical
*	9840.0	31.0	16.0	47.0	68.2	-21.2	Peak	Vertical
	10996.0	31.0	18.5	49.5	74.0	-24.5	Peak	Vertical
	11582.5	31.2	19.5	50.7	74.0	-23.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT20 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	140
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8641.5	32.1	13.5	45.6	68.2	-22.6	Peak	Horizontal
*	9831.5	31.5	15.9	47.4	68.2	-20.8	Peak	Horizontal
	10919.5	31.2	18.4	49.6	74.0	-24.4	Peak	Horizontal
	11557.0	31.0	19.5	50.5	74.0	-23.5	Peak	Horizontal
*	8718.0	31.6	13.8	45.4	68.2	-22.8	Peak	Vertical
*	9848.5	31.2	16.1	47.3	68.2	-20.9	Peak	Vertical
	10783.5	31.7	17.8	49.5	74.0	-24.5	Peak	Vertical
	12118.0	31.0	18.9	49.9	74.0	-24.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT20 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	144
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8556.5	31.2	13.2	44.4	68.2	-23.8	Peak	Horizontal
*	9848.5	29.8	16.1	45.9	68.2	-22.3	Peak	Horizontal
	10792.0	30.8	17.9	48.7	74.0	-25.3	Peak	Horizontal
	12109.5	30.0	18.9	48.9	74.0	-25.1	Peak	Horizontal
*	8616.0	30.6	13.5	44.1	68.2	-24.1	Peak	Vertical
*	9857.0	30.0	16.2	46.2	68.2	-22.0	Peak	Vertical
	11081.0	31.1	18.6	49.7	74.0	-24.3	Peak	Vertical
	11795.0	30.7	18.8	49.5	74.0	-24.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT40 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	54
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8794.5	31.0	13.9	44.9	68.2	-23.3	Peak	Horizontal
*	9831.5	31.0	15.9	46.9	68.2	-21.3	Peak	Horizontal
	10749.5	30.4	17.7	48.1	74.0	-25.9	Peak	Horizontal
	11625.0	30.6	19.4	50.0	74.0	-24.0	Peak	Horizontal
*	8684.0	31.5	13.7	45.2	68.2	-23.0	Peak	Vertical
*	9831.5	30.8	15.9	46.7	68.2	-21.5	Peak	Vertical
	11157.5	31.4	18.7	50.1	74.0	-23.9	Peak	Vertical
	11523.0	30.8	19.4	50.2	74.0	-23.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT40 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	62
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8633.0	32.1	13.5	45.6	68.2	-22.6	Peak	Horizontal
*	9797.5	32.7	15.1	47.8	68.2	-20.4	Peak	Horizontal
	10979.0	30.5	18.5	49.0	74.0	-25.0	Peak	Horizontal
	11659.0	30.8	19.3	50.1	74.0	-23.9	Peak	Horizontal
*	8616.0	31.5	13.5	45.0	68.2	-23.2	Peak	Vertical
*	9925.0	31.9	15.3	47.2	68.2	-21.0	Peak	Vertical
	10996.0	31.6	18.5	50.1	74.0	-23.9	Peak	Vertical
	12067.0	31.1	18.8	49.9	74.0	-24.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT40 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	102
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8862.5	30.9	14.0	44.9	68.2	-23.3	Peak	Horizontal
*	9865.5	31.1	16.0	47.1	68.2	-21.1	Peak	Horizontal
	10868.5	31.1	18.2	49.3	74.0	-24.7	Peak	Horizontal
	11582.5	31.0	19.5	50.5	74.0	-23.5	Peak	Horizontal
*	8692.5	30.8	13.7	44.5	68.2	-23.7	Peak	Vertical
*	9695.5	31.8	14.6	46.4	68.2	-21.8	Peak	Vertical
	10885.5	30.6	18.3	48.9	74.0	-25.1	Peak	Vertical
	11608.0	29.9	19.4	49.3	74.0	-24.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT40 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	110
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8879.5	30.4	14.0	44.4	68.2	-23.8	Peak	Horizontal
*	9678.5	32.1	14.6	46.7	68.2	-21.5	Peak	Horizontal
	11106.5	31.7	18.6	50.3	74.0	-23.7	Peak	Horizontal
	12186.0	30.4	18.8	49.2	74.0	-24.8	Peak	Horizontal
*	8539.5	31.3	13.1	44.4	68.2	-23.8	Peak	Vertical
*	9865.5	31.2	16.0	47.2	68.2	-21.0	Peak	Vertical
	10970.5	30.3	18.4	48.7	74.0	-25.3	Peak	Vertical
	11608.0	30.7	19.4	50.1	74.0	-23.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT40 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	118
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8837.0	31.2	14.0	45.2	68.2	-23.0	Peak	Horizontal
*	9831.5	31.6	15.9	47.5	68.2	-20.7	Peak	Horizontal
	10758.0	31.8	17.7	49.5	74.0	-24.5	Peak	Horizontal
	11659.0	30.9	19.3	50.2	74.0	-23.8	Peak	Horizontal
*	8675.5	30.9	13.7	44.6	68.2	-23.6	Peak	Vertical
*	9755.0	32.2	14.8	47.0	68.2	-21.2	Peak	Vertical
	10868.5	30.5	18.2	48.7	74.0	-25.3	Peak	Vertical
	11429.5	29.4	19.2	48.6	74.0	-25.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT40 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	134
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8582.0	31.5	13.4	44.9	68.2	-23.3	Peak	Horizontal
*	9678.5	31.9	14.6	46.5	68.2	-21.7	Peak	Horizontal
	11472.0	29.9	19.3	49.2	74.0	-24.8	Peak	Horizontal
	12177.5	30.4	18.8	49.2	74.0	-24.8	Peak	Horizontal
*	8811.5	31.6	14.0	45.6	68.2	-22.6	Peak	Vertical
*	9746.5	31.7	14.8	46.5	68.2	-21.7	Peak	Vertical
	10826.0	31.2	18.0	49.2	74.0	-24.8	Peak	Vertical
	12160.5	31.0	18.9	49.9	74.0	-24.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT40 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	142
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8845.5	31.5	14.0	45.5	68.2	-22.7	Peak	Horizontal
*	9823.0	31.7	15.6	47.3	68.2	-20.9	Peak	Horizontal
	11106.5	30.2	18.6	48.8	74.0	-25.2	Peak	Horizontal
	11701.5	30.6	19.1	49.7	74.0	-24.3	Peak	Horizontal
*	8582.0	31.7	13.4	45.1	68.2	-23.1	Peak	Vertical
*	9967.5	31.7	15.3	47.0	68.2	-21.2	Peak	Vertical
	10741.0	31.3	17.6	48.9	74.0	-25.1	Peak	Vertical
	11565.5	31.0	19.5	50.5	74.0	-23.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11ac-VHT20 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	52
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8930.5	30.3	14.0	44.3	68.2	-23.9	Peak	Horizontal
*	9797.5	31.6	15.1	46.7	68.2	-21.5	Peak	Horizontal
	10792.0	31.1	17.9	49.0	74.0	-25.0	Peak	Horizontal
	11616.5	31.8	19.4	51.2	74.0	-22.8	Peak	Horizontal
*	8794.5	30.7	13.9	44.6	68.2	-23.6	Peak	Vertical
*	9840.0	30.7	16.0	46.7	68.2	-21.5	Peak	Vertical
	11072.5	30.7	18.6	49.3	74.0	-24.7	Peak	Vertical
	11667.5	29.6	19.3	48.9	74.0	-25.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11ac-VHT20 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	60
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8565.0	32.1	13.3	45.4	68.2	-22.8	Peak	Horizontal
*	9865.5	30.8	16.0	46.8	68.2	-21.4	Peak	Horizontal
	10851.5	29.3	18.1	47.4	74.0	-26.6	Peak	Horizontal
	11625.0	30.6	19.4	50.0	74.0	-24.0	Peak	Horizontal
*	8828.5	30.7	14.0	44.7	68.2	-23.5	Peak	Vertical
*	9729.5	31.6	14.7	46.3	68.2	-21.9	Peak	Vertical
	10970.5	29.1	18.4	47.5	74.0	-26.5	Peak	Vertical
	11540.0	29.8	19.4	49.2	74.0	-24.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11ac-VHT20 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	64
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8667.0	32.4	13.6	46.0	68.2	-22.2	Peak	Horizontal
*	9789.0	32.6	15.0	47.6	68.2	-20.6	Peak	Horizontal
	10911.0	31.2	18.4	49.6	74.0	-24.4	Peak	Horizontal
	12135.0	31.2	18.9	50.1	74.0	-23.9	Peak	Horizontal
*	8871.0	31.8	14.0	45.8	68.2	-22.4	Peak	Vertical
*	9738.0	31.4	14.8	46.2	68.2	-22.0	Peak	Vertical
	11132.0	29.7	18.6	48.3	74.0	-25.7	Peak	Vertical
	11565.5	30.4	19.5	49.9	74.0	-24.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11ac-VHT20 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	100
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8803.0	31.1	14.0	45.1	68.2	-23.1	Peak	Horizontal
*	9840.0	31.2	16.0	47.2	68.2	-21.0	Peak	Horizontal
	10911.0	30.7	18.4	49.1	74.0	-24.9	Peak	Horizontal
	11599.5	30.8	19.4	50.2	74.0	-23.8	Peak	Horizontal
*	8837.0	30.5	14.0	44.5	68.2	-23.7	Peak	Vertical
*	9848.5	30.9	16.1	47.0	68.2	-21.2	Peak	Vertical
	11106.5	30.0	18.6	48.6	74.0	-25.4	Peak	Vertical
	11608.0	30.3	19.4	49.7	74.0	-24.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11ac-VHT20 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	116
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8913.5	30.2	14.0	44.2	68.2	-24.0	Peak	Horizontal
*	9746.5	31.6	14.8	46.4	68.2	-21.8	Peak	Horizontal
	10868.5	31.2	18.2	49.4	74.0	-24.6	Peak	Horizontal
	11931.0	30.4	18.6	49.0	74.0	-25.0	Peak	Horizontal
*	8565.0	32.9	13.3	46.2	68.2	-22.0	Peak	Vertical
*	9874.0	31.2	15.8	47.0	68.2	-21.2	Peak	Vertical
	11149.0	30.4	18.7	49.1	74.0	-24.9	Peak	Vertical
	12084.0	30.2	18.9	49.1	74.0	-24.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11ac-VHT20 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	120
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8760.5	29.9	13.9	43.8	68.2	-24.4	Peak	Horizontal
*	9925.0	31.8	15.3	47.1	68.2	-21.1	Peak	Horizontal
	10809.0	32.4	17.9	50.3	74.0	-23.7	Peak	Horizontal
	11455.0	29.9	19.2	49.1	74.0	-24.9	Peak	Horizontal
*	8624.5	30.5	13.5	44.0	68.2	-24.2	Peak	Vertical
*	9602.0	32.3	14.4	46.7	68.2	-21.5	Peak	Vertical
	10945.0	30.1	18.4	48.5	74.0	-25.5	Peak	Vertical
	11480.5	30.2	19.3	49.5	74.0	-24.5	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11ac-VHT20 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	140
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8803.0	30.8	14.0	44.8	68.2	-23.4	Peak	Horizontal
*	9857.0	30.9	16.2	47.1	68.2	-21.1	Peak	Horizontal
	10936.5	30.6	18.4	49.0	74.0	-25.0	Peak	Horizontal
	11616.5	30.7	19.4	50.1	74.0	-23.9	Peak	Horizontal
*	8871.0	32.6	14.0	46.6	68.2	-21.6	Peak	Vertical
*	9678.5	32.3	14.6	46.9	68.2	-21.3	Peak	Vertical
	10800.5	30.9	17.9	48.8	74.0	-25.2	Peak	Vertical
	11489.0	30.6	19.3	49.9	74.0	-24.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11ac-VHT20 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	144
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8777.5	30.9	13.9	44.8	68.2	-23.4	Peak	Horizontal
*	9891.0	31.2	15.5	46.7	68.2	-21.5	Peak	Horizontal
	10690.0	30.4	17.4	47.8	74.0	-26.2	Peak	Horizontal
	11582.5	30.4	19.5	49.9	74.0	-24.1	Peak	Horizontal
*	8624.5	29.9	13.5	43.4	68.2	-24.8	Peak	Vertical
*	9729.5	30.7	14.7	45.4	68.2	-22.8	Peak	Vertical
	10809.0	31.2	17.9	49.1	74.0	-24.9	Peak	Vertical
	11514.5	30.1	19.4	49.5	74.0	-24.5	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11ac-VHT40 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	54
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8794.5	29.7	13.9	43.6	68.2	-24.6	Peak	Horizontal
*	9721.0	31.1	14.7	45.8	68.2	-22.4	Peak	Horizontal
	10877.0	30.3	18.2	48.5	74.0	-25.5	Peak	Horizontal
	11378.5	28.9	19.1	48.0	74.0	-26.0	Peak	Horizontal
*	8896.5	32.1	14.0	46.1	68.2	-22.1	Peak	Vertical
*	9789.0	31.2	15.0	46.2	68.2	-22.0	Peak	Vertical
	11140.5	30.1	18.7	48.8	74.0	-25.2	Peak	Vertical
	12135.0	30.3	18.9	49.2	74.0	-24.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11ac-VHT40 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	52
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8607.5	31.9	13.5	45.4	68.2	-22.8	Peak	Horizontal
*	9780.5	31.8	14.9	46.7	68.2	-21.5	Peak	Horizontal
	10868.5	31.5	18.2	49.7	74.0	-24.3	Peak	Horizontal
	11514.5	29.8	19.4	49.2	74.0	-24.8	Peak	Horizontal
*	8769.0	31.1	13.9	45.0	68.2	-23.2	Peak	Vertical
*	9695.5	31.6	14.6	46.2	68.2	-22.0	Peak	Vertical
	10979.0	30.7	18.5	49.2	74.0	-24.8	Peak	Vertical
	11582.5	29.7	19.5	49.2	74.0	-24.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11ac-VHT40 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	102
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8709.5	31.5	13.8	45.3	68.2	-22.9	Peak	Horizontal
*	9865.5	31.5	16.0	47.5	68.2	-20.7	Peak	Horizontal
	10953.5	30.3	18.4	48.7	74.0	-25.3	Peak	Horizontal
	11472.0	30.4	19.3	49.7	74.0	-24.3	Peak	Horizontal
*	8624.5	32.4	13.5	45.9	68.2	-22.3	Peak	Vertical
*	9874.0	31.0	15.8	46.8	68.2	-21.4	Peak	Vertical
	10894.0	31.1	18.3	49.4	74.0	-24.6	Peak	Vertical
	11574.0	31.1	19.5	50.6	74.0	-23.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11ac-VHT40 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	110
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8854.0	31.7	14.0	45.7	68.2	-22.5	Peak	Horizontal
*	9644.5	32.4	14.4	46.8	68.2	-21.4	Peak	Horizontal
	11047.0	30.4	18.5	48.9	74.0	-25.1	Peak	Horizontal
	11480.5	30.5	19.3	49.8	74.0	-24.2	Peak	Horizontal
*	8845.5	30.7	14.0	44.7	68.2	-23.5	Peak	Vertical
*	9865.5	31.4	16.0	47.4	68.2	-20.8	Peak	Vertical
	11217.0	30.6	18.8	49.4	74.0	-24.6	Peak	Vertical
	11676.0	30.3	19.2	49.5	74.0	-24.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11ac-VHT40 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	118
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8616.0	31.1	13.5	44.6	68.2	-23.6	Peak	Horizontal
*	9848.5	31.1	16.1	47.2	68.2	-21.0	Peak	Horizontal
	11106.5	31.6	18.6	50.2	74.0	-23.8	Peak	Horizontal
	12067.0	30.2	18.8	49.0	74.0	-25.0	Peak	Horizontal
*	8514.0	31.9	12.9	44.8	68.2	-23.4	Peak	Vertical
*	9840.0	30.3	16.0	46.3	68.2	-21.9	Peak	Vertical
	10851.5	30.5	18.1	48.6	74.0	-25.4	Peak	Vertical
	11591.0	29.4	19.5	48.9	74.0	-25.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11ac-VHT40 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	134
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8760.5	29.9	13.9	43.8	68.2	-24.4	Peak	Horizontal
*	9678.5	31.3	14.6	45.9	68.2	-22.3	Peak	Horizontal
	11038.5	31.1	18.5	49.6	74.0	-24.4	Peak	Horizontal
	11667.5	31.5	19.3	50.8	74.0	-23.2	Peak	Horizontal
*	8641.5	31.9	13.5	45.4	68.2	-22.8	Peak	Vertical
*	9755.0	32.7	14.8	47.5	68.2	-20.7	Peak	Vertical
	11591.0	30.1	19.5	49.6	74.0	-24.4	Peak	Vertical
	12109.5	30.1	18.9	49.0	74.0	-25.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11ac-VHT40 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	142
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8888.0	31.0	14.0	45.0	68.2	-23.2	Peak	Horizontal
*	9967.5	32.0	15.3	47.3	68.2	-20.9	Peak	Horizontal
	10834.5	30.1	18.1	48.2	74.0	-25.8	Peak	Horizontal
	11599.5	29.5	19.4	48.9	74.0	-25.1	Peak	Horizontal
*	8599.0	31.4	13.4	44.8	68.2	-23.4	Peak	Vertical
*	9831.5	31.0	15.9	46.9	68.2	-21.3	Peak	Vertical
	11013.0	30.3	18.5	48.8	74.0	-25.2	Peak	Vertical
	11676.0	30.0	19.2	49.2	74.0	-24.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11ac-VHT80 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	58
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8803.0	29.9	14.0	43.9	68.2	-24.3	Peak	Horizontal
*	9874.0	30.3	15.8	46.1	68.2	-22.1	Peak	Horizontal
	11259.5	29.7	18.8	48.5	74.0	-25.5	Peak	Horizontal
	12067.0	31.5	18.8	50.3	74.0	-23.7	Peak	Horizontal
*	8862.5	30.1	14.0	44.1	68.2	-24.1	Peak	Vertical
*	9721.0	31.1	14.7	45.8	68.2	-22.4	Peak	Vertical
	11132.0	30.1	18.6	48.7	74.0	-25.3	Peak	Vertical
	12041.5	29.1	18.8	47.9	74.0	-26.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11ac-VHT80 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	106
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8633.0	31.4	13.5	44.9	68.2	-23.3	Peak	Horizontal
*	9848.5	32.0	16.1	48.1	68.2	-20.1	Peak	Horizontal
	10792.0	31.4	17.9	49.3	74.0	-24.7	Peak	Horizontal
	11999.0	31.2	18.7	49.9	74.0	-24.1	Peak	Horizontal
*	8862.5	30.2	14.0	44.2	68.2	-24.0	Peak	Vertical
*	9840.0	29.5	16.0	45.5	68.2	-22.7	Peak	Vertical
	11506.0	28.8	19.4	48.2	74.0	-25.8	Peak	Vertical
	12033.0	29.6	18.8	48.4	74.0	-25.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11ac-VHT80 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	122
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8650.0	32.0	13.6	45.6	68.2	-22.6	Peak	Horizontal
*	9789.0	32.1	15.0	47.1	68.2	-21.1	Peak	Horizontal
	10724.0	31.3	17.6	48.9	74.0	-25.1	Peak	Horizontal
	12118.0	31.0	18.9	49.9	74.0	-24.1	Peak	Horizontal
*	8616.0	30.9	13.5	44.4	68.2	-23.8	Peak	Vertical
*	9712.5	32.4	14.7	47.1	68.2	-21.1	Peak	Vertical
	11072.5	28.4	18.6	47.0	74.0	-27.0	Peak	Vertical
	12118.0	30.0	18.9	48.9	74.0	-25.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD directional antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11ac-VHT80 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	138
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8556.5	32.1	13.2	45.3	68.2	-22.9	Peak	Horizontal
*	10452.0	31.3	17.1	48.4	68.2	-19.8	Peak	Horizontal
	11089.5	30.6	18.6	49.2	74.0	-24.8	Peak	Horizontal
	12143.5	31.4	18.9	50.3	74.0	-23.7	Peak	Horizontal
*	8837.0	31.2	14.0	45.2	68.2	-23.0	Peak	Vertical
*	9670.0	31.5	14.5	46.0	68.2	-22.2	Peak	Vertical
	11166.0	29.6	18.7	48.3	74.0	-25.7	Peak	Vertical
	12160.5	29.9	18.9	48.8	74.0	-25.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11a - Ant 1	Test Channel:	52
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7596.0	30.8	12.7	43.5	74.0	-30.5	Peak	Horizontal
	11319.0	28.5	18.9	47.4	74.0	-26.6	Peak	Horizontal
*	13979.5	28.9	22.6	51.5	68.2	-16.7	Peak	Horizontal
*	16725.0	29.6	23.2	52.8	68.2	-15.4	Peak	Horizontal
	7502.5	30.9	12.9	43.8	74.0	-30.2	Peak	Vertical
	11540.0	28.6	19.4	48.0	74.0	-26.0	Peak	Vertical
*	14124.0	28.8	23.0	51.8	68.2	-16.4	Peak	Vertical
*	16767.5	29.8	23.5	53.3	68.2	-14.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11a - Ant 1	Test Channel:	60
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7494.0	31.3	12.8	44.1	74.0	-29.9	Peak	Horizontal
	11548.5	29.4	19.5	48.9	74.0	-25.1	Peak	Horizontal
*	14081.5	30.0	22.8	52.8	68.2	-15.4	Peak	Horizontal
*	16563.5	30.4	22.2	52.6	68.2	-15.6	Peak	Horizontal
	7545.0	30.4	12.8	43.2	74.0	-30.8	Peak	Vertical
	11557.0	29.0	19.5	48.5	74.0	-25.5	Peak	Vertical
*	13937.0	29.0	22.5	51.5	68.2	-16.7	Peak	Vertical
*	16631.5	30.3	22.6	52.9	68.2	-15.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11a - Ant 1	Test Channel:	64
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7655.5	30.7	12.5	43.2	74.0	-30.8	Peak	Horizontal
	11531.5	29.0	19.4	48.4	74.0	-25.6	Peak	Horizontal
*	14226.0	29.0	23.1	52.1	68.2	-16.1	Peak	Horizontal
*	16640.0	29.6	22.7	52.3	68.2	-15.9	Peak	Horizontal
	7426.0	31.3	12.7	44.0	74.0	-30.0	Peak	Vertical
	11616.5	28.7	19.4	48.1	74.0	-25.9	Peak	Vertical
*	14047.5	29.0	22.7	51.7	68.2	-16.5	Peak	Vertical
*	16623.0	30.2	22.6	52.8	68.2	-15.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11a - Ant 1	Test Channel:	100
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7570.5	31.1	12.8	43.9	74.0	-30.1	Peak	Horizontal
	11676.0	28.5	19.2	47.7	74.0	-26.3	Peak	Horizontal
*	13928.5	28.6	22.4	51.0	68.2	-17.2	Peak	Horizontal
*	16750.5	29.6	23.3	52.9	68.2	-15.3	Peak	Horizontal
	7613.0	31.3	12.6	43.9	74.0	-30.1	Peak	Vertical
	11506.0	29.5	19.4	48.9	74.0	-25.1	Peak	Vertical
*	14175.0	29.0	23.1	52.1	68.2	-16.1	Peak	Vertical
*	16385.0	30.8	21.4	52.2	68.2	-16.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11a - Ant 1	Test Channel:	116
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7375.0	31.5	12.5	44.0	74.0	-30.0	Peak	Horizontal
	11565.5	29.6	19.5	49.1	74.0	-24.9	Peak	Horizontal
*	14124.0	29.2	23.0	52.2	68.2	-16.0	Peak	Horizontal
*	16691.0	30.6	23.0	53.6	68.2	-14.6	Peak	Horizontal
	7468.5	30.2	12.8	43.0	74.0	-31.0	Peak	Vertical
	11557.0	29.0	19.5	48.5	74.0	-25.5	Peak	Vertical
*	14124.0	29.1	23.0	52.1	68.2	-16.1	Peak	Vertical
*	16767.5	29.6	23.5	53.1	68.2	-15.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11a - Ant 1	Test Channel:	120
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7468.5	33.1	12.8	45.9	74.0	-28.1	Peak	Horizontal
	11599.5	31.7	19.5	51.2	74.0	-22.8	Peak	Horizontal
*	13750.0	32.0	22.0	54.0	68.2	-14.2	Peak	Horizontal
*	16240.5	30.9	20.8	51.7	68.2	-16.5	Peak	Horizontal
	7664.0	32.3	12.5	44.8	74.0	-29.2	Peak	Vertical
	11633.5	31.7	19.4	51.1	74.0	-22.9	Peak	Vertical
*	13801.0	29.4	22.1	51.5	68.2	-16.7	Peak	Vertical
*	16495.5	31.8	21.9	53.7	68.2	-14.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11a - Ant 1	Test Channel:	140
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7545.0	30.2	12.8	43.0	74.0	-31.0	Peak	Horizontal
	11582.5	28.4	19.5	47.9	74.0	-26.1	Peak	Horizontal
*	14124.0	29.7	23.0	52.7	68.2	-15.5	Peak	Horizontal
*	16827.0	29.8	23.9	53.7	68.2	-14.5	Peak	Horizontal
	7434.5	31.4	12.7	44.1	74.0	-29.9	Peak	Vertical
	11557.0	28.6	19.5	48.1	74.0	-25.9	Peak	Vertical
*	13809.5	29.3	22.1	51.4	68.2	-16.8	Peak	Vertical
*	16589.0	29.9	22.4	52.3	68.2	-15.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11a - Ant 1	Test Channel:	144
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7579.0	30.8	12.7	43.5	74.0	-30.5	Peak	Horizontal
	11650.5	28.9	19.3	48.2	74.0	-25.8	Peak	Horizontal
*	14141.0	29.1	23.0	52.1	68.2	-16.1	Peak	Horizontal
*	16631.5	30.1	22.6	52.7	68.2	-15.5	Peak	Horizontal
	7536.5	31.1	12.8	43.9	74.0	-30.1	Peak	Vertical
	11514.5	28.8	19.4	48.2	74.0	-25.8	Peak	Vertical
*	13971.0	28.8	22.6	51.4	68.2	-16.8	Peak	Vertical
*	16410.5	29.8	21.5	51.3	68.2	-16.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT20 - Ant 1	Test Channel:	52
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7502.5	30.2	12.9	43.1	74.0	-30.9	Peak	Horizontal
	11514.5	28.5	19.4	47.9	74.0	-26.1	Peak	Horizontal
*	14124.0	28.3	23.0	51.3	68.2	-16.9	Peak	Horizontal
*	17065.0	29.2	24.7	53.9	68.2	-14.3	Peak	Horizontal
	7443.0	31.2	12.7	43.9	74.0	-30.1	Peak	Vertical
	11506.0	28.8	19.4	48.2	74.0	-25.8	Peak	Vertical
*	14115.5	29.7	22.9	52.6	68.2	-15.6	Peak	Vertical
*	16725.0	30.7	23.2	53.9	68.2	-14.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT20 - Ant 1	Test Channel:	60
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7477.0	30.9	12.8	43.7	74.0	-30.3	Peak	Horizontal
	11548.5	28.9	19.5	48.4	74.0	-25.6	Peak	Horizontal
*	13809.5	30.1	22.1	52.2	68.2	-16.0	Peak	Horizontal
*	16623.0	30.3	22.6	52.9	68.2	-15.3	Peak	Horizontal
	7613.0	30.8	12.6	43.4	74.0	-30.6	Peak	Vertical
	11548.5	29.2	19.5	48.7	74.0	-25.3	Peak	Vertical
*	13869.0	28.8	22.3	51.1	68.2	-17.1	Peak	Vertical
*	16827.0	29.9	23.9	53.8	68.2	-14.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT20 - Ant 1	Test Channel:	64
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7460.0	30.5	12.8	43.3	74.0	-30.7	Peak	Horizontal
	11684.5	29.1	19.2	48.3	74.0	-25.7	Peak	Horizontal
*	14073.0	29.2	22.8	52.0	68.2	-16.2	Peak	Horizontal
*	16750.5	30.3	23.3	53.6	68.2	-14.6	Peak	Horizontal
	7519.5	31.0	12.8	43.8	74.0	-30.2	Peak	Vertical
	11548.5	28.2	19.5	47.7	74.0	-26.3	Peak	Vertical
*	13784.0	29.8	22.1	51.9	68.2	-16.3	Peak	Vertical
*	16665.5	30.2	22.8	53.0	68.2	-15.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT20 - Ant 1	Test Channel:	100
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7375.0	30.9	12.5	43.4	74.0	-30.6	Peak	Horizontal
	11514.5	28.7	19.4	48.1	74.0	-25.9	Peak	Horizontal
*	14217.5	29.1	23.1	52.2	68.2	-16.0	Peak	Horizontal
*	16742.0	30.5	23.3	53.8	68.2	-14.4	Peak	Horizontal
	7366.5	31.8	12.5	44.3	74.0	-29.7	Peak	Vertical
	11319.0	29.2	18.9	48.1	74.0	-25.9	Peak	Vertical
*	14209.0	30.3	23.1	53.4	68.2	-14.8	Peak	Vertical
*	16767.5	30.1	23.5	53.6	68.2	-14.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT20 - Ant 1	Test Channel:	116
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7545.0	30.8	12.8	43.6	74.0	-30.4	Peak	Horizontal
	11548.5	29.9	19.5	49.4	74.0	-24.6	Peak	Horizontal
*	14081.5	29.6	22.8	52.4	68.2	-15.8	Peak	Horizontal
*	16529.5	29.3	22.0	51.3	68.2	-16.9	Peak	Horizontal
	7341.0	31.8	12.4	44.2	74.0	-29.8	Peak	Vertical
	11480.5	28.7	19.3	48.0	74.0	-26.0	Peak	Vertical
*	13971.0	28.9	22.6	51.5	68.2	-16.7	Peak	Vertical
*	16555.0	30.2	22.2	52.4	68.2	-15.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT20 - Ant 1	Test Channel:	120
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7511.0	32.6	12.9	45.5	74.0	-28.5	Peak	Horizontal
	11497.5	31.6	19.4	51.0	74.0	-23.0	Peak	Horizontal
*	13886.0	29.5	22.3	51.8	68.2	-16.4	Peak	Horizontal
*	16223.5	30.7	20.8	51.5	68.2	-16.7	Peak	Horizontal
	7528.0	32.7	12.8	45.5	74.0	-28.5	Peak	Vertical
	11404.0	31.4	19.1	50.5	74.0	-23.5	Peak	Vertical
*	13818.0	29.7	22.2	51.9	68.2	-16.3	Peak	Vertical
*	16385.0	31.8	21.4	53.2	68.2	-15.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT20 - Ant 1	Test Channel:	140
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7341.0	30.5	12.4	42.9	74.0	-31.1	Peak	Horizontal
	11659.0	30.0	19.3	49.3	74.0	-24.7	Peak	Horizontal
*	13801.0	29.4	22.1	51.5	68.2	-16.7	Peak	Horizontal
*	16733.5	30.0	23.2	53.2	68.2	-15.0	Peak	Horizontal
	7604.5	31.4	12.7	44.1	74.0	-29.9	Peak	Vertical
	11727.0	29.2	19.0	48.2	74.0	-25.8	Peak	Vertical
*	14175.0	29.4	23.1	52.5	68.2	-15.7	Peak	Vertical
*	16674.0	30.2	22.9	53.1	68.2	-15.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT20 - Ant 1	Test Channel:	144
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7528.0	30.5	12.8	43.3	74.0	-30.7	Peak	Horizontal
	11565.5	28.8	19.5	48.3	74.0	-25.7	Peak	Horizontal
*	14132.5	29.3	23.0	52.3	68.2	-15.9	Peak	Horizontal
*	16597.5	30.9	22.4	53.3	68.2	-14.9	Peak	Horizontal
	7596.0	30.6	12.7	43.3	74.0	-30.7	Peak	Vertical
	11650.5	29.3	19.3	48.6	74.0	-25.4	Peak	Vertical
*	14226.0	30.1	23.1	53.2	68.2	-15.0	Peak	Vertical
*	16563.5	29.9	22.2	52.1	68.2	-16.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT40 - Ant 1	Test Channel:	54
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7485.5	30.5	12.8	43.3	74.0	-30.7	Peak	Horizontal
	11574.0	28.9	19.5	48.4	74.0	-25.6	Peak	Horizontal
*	14209.0	29.8	23.1	52.9	68.2	-15.3	Peak	Horizontal
*	16767.5	30.0	23.5	53.5	68.2	-14.7	Peak	Horizontal
	7502.5	31.0	12.9	43.9	74.0	-30.1	Peak	Vertical
	11565.5	28.6	19.5	48.1	74.0	-25.9	Peak	Vertical
*	14090.0	29.3	22.8	52.1	68.2	-16.1	Peak	Vertical
*	16529.5	29.8	22.0	51.8	68.2	-16.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT40 - Ant 1	Test Channel:	62
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7519.5	29.8	12.8	42.6	74.0	-31.4	Peak	Horizontal
	10979.0	29.5	18.5	48.0	74.0	-26.0	Peak	Horizontal
*	14115.5	29.2	22.9	52.1	68.2	-16.1	Peak	Horizontal
*	16538.0	30.0	22.1	52.1	68.2	-16.1	Peak	Horizontal
	7562.0	30.7	12.8	43.5	74.0	-30.5	Peak	Vertical
	11132.0	29.0	18.6	47.6	74.0	-26.4	Peak	Vertical
*	14268.5	29.9	23.1	53.0	68.2	-15.2	Peak	Vertical
*	16631.5	30.0	22.6	52.6	68.2	-15.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT40 - Ant 1	Test Channel:	102
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7638.5	31.0	12.6	43.6	74.0	-30.4	Peak	Horizontal
	11523.0	29.2	19.4	48.6	74.0	-25.4	Peak	Horizontal
*	13860.5	29.9	22.3	52.2	68.2	-16.0	Peak	Horizontal
*	16640.0	29.7	22.7	52.4	68.2	-15.8	Peak	Horizontal
	7443.0	30.6	12.7	43.3	74.0	-30.7	Peak	Vertical
	11540.0	28.8	19.4	48.2	74.0	-25.8	Peak	Vertical
*	13920.0	29.6	22.4	52.0	68.2	-16.2	Peak	Vertical
*	16631.5	29.8	22.6	52.4	68.2	-15.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT40 - Ant 1	Test Channel:	110
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7400.5	31.0	12.6	43.6	74.0	-30.4	Peak	Horizontal
	11676.0	29.0	19.2	48.2	74.0	-25.8	Peak	Horizontal
*	13988.0	28.7	22.7	51.4	68.2	-16.8	Peak	Horizontal
*	16665.5	30.8	22.8	53.6	68.2	-14.6	Peak	Horizontal
	7485.5	30.8	12.8	43.6	74.0	-30.4	Peak	Vertical
	11506.0	28.5	19.4	47.9	74.0	-26.1	Peak	Vertical
*	14030.5	28.7	22.7	51.4	68.2	-16.8	Peak	Vertical
*	16776.0	30.1	23.5	53.6	68.2	-14.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT40 - Ant 1	Test Channel:	118
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7477.0	33.3	12.8	46.1	74.0	-27.9	Peak	Horizontal
	11395.5	31.0	19.1	50.1	74.0	-23.9	Peak	Horizontal
*	13792.5	29.9	22.1	52.0	68.2	-16.2	Peak	Horizontal
*	16274.5	31.6	21.0	52.6	68.2	-15.6	Peak	Horizontal
	7460.0	33.1	12.8	45.9	74.0	-28.1	Peak	Vertical
	11285.0	31.1	18.9	50.0	74.0	-24.0	Peak	Vertical
*	13792.5	30.5	22.1	52.6	68.2	-15.6	Peak	Vertical
*	16274.5	31.5	21.0	52.5	68.2	-15.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT40 - Ant 1	Test Channel:	134
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7655.5	31.4	12.5	43.9	74.0	-30.1	Peak	Horizontal
	11089.5	29.7	18.6	48.3	74.0	-25.7	Peak	Horizontal
*	13920.0	29.0	22.4	51.4	68.2	-16.8	Peak	Horizontal
*	16776.0	29.4	23.5	52.9	68.2	-15.3	Peak	Horizontal
	7417.5	31.2	12.6	43.8	74.0	-30.2	Peak	Vertical
	11344.5	29.2	19.0	48.2	74.0	-25.8	Peak	Vertical
*	14217.5	29.3	23.1	52.4	68.2	-15.8	Peak	Vertical
*	16529.5	31.0	22.0	53.0	68.2	-15.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT40 - Ant 1	Test Channel:	142
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7494.0	30.2	12.8	43.0	74.0	-31.0	Peak	Horizontal
	11268.0	29.1	18.8	47.9	74.0	-26.1	Peak	Horizontal
*	14081.5	28.9	22.8	51.7	68.2	-16.5	Peak	Horizontal
*	16436.0	29.9	21.6	51.5	68.2	-16.7	Peak	Horizontal
	7290.0	31.2	12.3	43.5	74.0	-30.5	Peak	Vertical
	11132.0	29.8	18.6	48.4	74.0	-25.6	Peak	Vertical
*	13809.5	29.6	22.1	51.7	68.2	-16.5	Peak	Vertical
*	16623.0	30.2	22.6	52.8	68.2	-15.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT20 - Ant 1	Test Channel:	52
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7494.0	30.4	12.8	43.2	74.0	-30.8	Peak	Horizontal
	11472.0	29.1	19.3	48.4	74.0	-25.6	Peak	Horizontal
*	13767.0	29.5	22.0	51.5	68.2	-16.7	Peak	Horizontal
*	16376.5	30.7	21.4	52.1	68.2	-16.1	Peak	Horizontal
	7460.0	30.2	12.8	43.0	74.0	-31.0	Peak	Vertical
	11565.5	28.8	19.5	48.3	74.0	-25.7	Peak	Vertical
*	13971.0	29.0	22.6	51.6	68.2	-16.6	Peak	Vertical
*	16538.0	29.6	22.1	51.7	68.2	-16.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT20 - Ant 1	Test Channel:	60
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7494.0	30.6	12.8	43.4	74.0	-30.6	Peak	Horizontal
	11625.0	28.8	19.4	48.2	74.0	-25.8	Peak	Horizontal
*	13758.5	29.2	22.0	51.2	68.2	-17.0	Peak	Horizontal
*	16589.0	30.2	22.4	52.6	68.2	-15.6	Peak	Horizontal
	7562.0	31.2	12.8	44.0	74.0	-30.0	Peak	Vertical
	11667.5	29.6	19.3	48.9	74.0	-25.1	Peak	Vertical
*	13784.0	29.6	22.1	51.7	68.2	-16.5	Peak	Vertical
*	16759.0	30.2	23.4	53.6	68.2	-14.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT20 - Ant 1	Test Channel:	64
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7375.0	30.9	12.5	43.4	74.0	-30.6	Peak	Horizontal
	11625.0	29.0	19.4	48.4	74.0	-25.6	Peak	Horizontal
*	13818.0	29.1	22.2	51.3	68.2	-16.9	Peak	Horizontal
*	16563.5	29.6	22.2	51.8	68.2	-16.4	Peak	Horizontal
	7307.0	32.1	12.3	44.4	74.0	-29.6	Peak	Vertical
	11548.5	28.8	19.5	48.3	74.0	-25.7	Peak	Vertical
*	13767.0	29.3	22.0	51.3	68.2	-16.9	Peak	Vertical
*	16529.5	29.5	22.0	51.5	68.2	-16.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT20 - Ant 1	Test Channel:	100
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7613.0	31.3	12.6	43.9	74.0	-30.1	Peak	Horizontal
	11531.5	28.6	19.4	48.0	74.0	-26.0	Peak	Horizontal
*	13809.5	28.7	22.1	50.8	68.2	-17.4	Peak	Horizontal
*	16725.0	29.9	23.2	53.1	68.2	-15.1	Peak	Horizontal
	7536.5	30.6	12.8	43.4	74.0	-30.6	Peak	Vertical
	11565.5	29.3	19.5	48.8	74.0	-25.2	Peak	Vertical
*	13758.5	28.5	22.0	50.5	68.2	-17.7	Peak	Vertical
*	16733.5	30.2	23.2	53.4	68.2	-14.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT20 - Ant 1	Test Channel:	116
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7511.0	30.9	12.9	43.8	74.0	-30.2	Peak	Horizontal
	11582.5	29.3	19.5	48.8	74.0	-25.2	Peak	Horizontal
*	13741.5	29.0	22.0	51.0	68.2	-17.2	Peak	Horizontal
*	16580.5	30.5	22.3	52.8	68.2	-15.4	Peak	Horizontal
	7307.0	31.2	12.3	43.5	74.0	-30.5	Peak	Vertical
	11548.5	30.1	19.5	49.6	74.0	-24.4	Peak	Vertical
*	13767.0	30.0	22.0	52.0	68.2	-16.2	Peak	Vertical
*	16623.0	30.8	22.6	53.4	68.2	-14.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT20 - Ant 1	Test Channel:	120
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7536.5	32.7	12.8	45.5	74.0	-28.5	Peak	Horizontal
	11591.0	31.0	19.5	50.5	74.0	-23.5	Peak	Horizontal
*	13852.0	30.0	22.3	52.3	68.2	-15.9	Peak	Horizontal
*	16521.0	31.9	22.0	53.9	68.2	-14.3	Peak	Horizontal
	7562.0	32.9	12.8	45.7	74.0	-28.3	Peak	Vertical
	11523.0	31.8	19.4	51.2	74.0	-22.8	Peak	Vertical
*	13665.0	29.8	21.9	51.7	68.2	-16.5	Peak	Vertical
*	16274.5	31.3	21.0	52.3	68.2	-15.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT20 - Ant 1	Test Channel:	140
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7494.0	30.4	12.8	43.2	74.0	-30.8	Peak	Horizontal
	11582.5	29.5	19.5	49.0	74.0	-25.0	Peak	Horizontal
*	13478.0	28.9	21.7	50.6	68.2	-17.6	Peak	Horizontal
*	16869.5	29.5	24.1	53.6	68.2	-14.6	Peak	Horizontal
	7519.5	31.2	12.8	44.0	74.0	-30.0	Peak	Vertical
	11582.5	29.2	19.5	48.7	74.0	-25.3	Peak	Vertical
*	13716.0	29.7	22.0	51.7	68.2	-16.5	Peak	Vertical
*	16657.0	30.7	22.8	53.5	68.2	-14.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT20 - Ant 1	Test Channel:	144
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7485.5	30.6	12.8	43.4	74.0	-30.6	Peak	Horizontal
	11310.5	28.7	18.9	47.6	74.0	-26.4	Peak	Horizontal
*	13775.5	28.5	22.1	50.6	68.2	-17.6	Peak	Horizontal
*	16852.5	29.8	24.0	53.8	68.2	-14.4	Peak	Horizontal
	7519.5	30.6	12.8	43.4	74.0	-30.6	Peak	Vertical
	11616.5	29.0	19.4	48.4	74.0	-25.6	Peak	Vertical
*	13826.5	29.1	22.2	51.3	68.2	-16.9	Peak	Vertical
*	16818.5	30.0	23.8	53.8	68.2	-14.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT40 - Ant 1	Test Channel:	54
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7621.5	30.7	12.6	43.3	74.0	-30.7	Peak	Horizontal
	11616.5	29.7	19.4	49.1	74.0	-24.9	Peak	Horizontal
*	13869.0	29.4	22.3	51.7	68.2	-16.5	Peak	Horizontal
*	16716.5	30.1	23.1	53.2	68.2	-15.0	Peak	Horizontal
	7409.0	31.2	12.6	43.8	74.0	-30.2	Peak	Vertical
	11531.5	29.5	19.4	48.9	74.0	-25.1	Peak	Vertical
*	14268.5	29.4	23.1	52.5	68.2	-15.7	Peak	Vertical
*	16835.5	29.8	23.9	53.7	68.2	-14.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT40 - Ant 1	Test Channel:	62
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7638.5	31.9	12.6	44.5	74.0	-29.5	Peak	Horizontal
	10928.0	29.7	18.4	48.1	74.0	-25.9	Peak	Horizontal
*	13767.0	29.2	22.0	51.2	68.2	-17.0	Peak	Horizontal
*	16674.0	30.1	22.9	53.0	68.2	-15.2	Peak	Horizontal
	7451.5	30.2	12.8	43.0	74.0	-31.0	Peak	Vertical
	11480.5	28.8	19.3	48.1	74.0	-25.9	Peak	Vertical
*	14013.5	29.6	22.7	52.3	68.2	-15.9	Peak	Vertical
*	16597.5	30.6	22.4	53.0	68.2	-15.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT40 - Ant 1	Test Channel:	102
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7494.0	30.6	12.8	43.4	74.0	-30.6	Peak	Horizontal
	11412.5	28.9	19.1	48.0	74.0	-26.0	Peak	Horizontal
*	13792.5	29.7	22.1	51.8	68.2	-16.4	Peak	Horizontal
*	16546.5	29.8	22.1	51.9	68.2	-16.3	Peak	Horizontal
	7494.0	30.8	12.8	43.6	74.0	-30.4	Peak	Vertical
	11625.0	29.2	19.4	48.6	74.0	-25.4	Peak	Vertical
*	13767.0	29.4	22.0	51.4	68.2	-16.8	Peak	Vertical
*	16410.5	29.9	21.5	51.4	68.2	-16.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT40 - Ant 1	Test Channel:	110
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7528.0	31.7	12.8	44.5	74.0	-29.5	Peak	Horizontal
	11514.5	29.8	19.4	49.2	74.0	-24.8	Peak	Horizontal
*	13826.5	29.4	22.2	51.6	68.2	-16.6	Peak	Horizontal
*	16810.0	29.8	23.8	53.6	68.2	-14.6	Peak	Horizontal
	7536.5	30.6	12.8	43.4	74.0	-30.6	Peak	Vertical
	11081.0	29.3	18.6	47.9	74.0	-26.1	Peak	Vertical
*	13597.0	30.7	21.8	52.5	68.2	-15.7	Peak	Vertical
*	16716.5	30.4	23.1	53.5	68.2	-14.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT40 - Ant 1	Test Channel:	118
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7519.5	32.3	12.8	45.1	74.0	-28.9	Peak	Horizontal
	11650.5	31.7	19.3	51.0	74.0	-23.0	Peak	Horizontal
*	13852.0	30.0	22.3	52.3	68.2	-15.9	Peak	Horizontal
*	16291.5	31.2	21.1	52.3	68.2	-15.9	Peak	Horizontal
	7502.5	32.3	12.9	45.2	74.0	-28.8	Peak	Vertical
	11531.5	31.3	19.4	50.7	74.0	-23.3	Peak	Vertical
*	13852.0	30.3	22.3	52.6	68.2	-15.6	Peak	Vertical
*	16359.5	31.9	21.3	53.2	68.2	-15.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT40 - Ant 1	Test Channel:	134
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7332.5	31.4	12.4	43.8	74.0	-30.2	Peak	Horizontal
	11013.0	29.0	18.5	47.5	74.0	-26.5	Peak	Horizontal
*	13818.0	29.2	22.2	51.4	68.2	-16.8	Peak	Horizontal
*	16623.0	29.8	22.6	52.4	68.2	-15.8	Peak	Horizontal
	7451.5	30.9	12.8	43.7	74.0	-30.3	Peak	Vertical
	11667.5	29.8	19.3	49.1	74.0	-24.9	Peak	Vertical
*	13503.5	29.3	21.8	51.1	68.2	-17.1	Peak	Vertical
*	16682.5	30.0	22.9	52.9	68.2	-15.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT40 - Ant 1	Test Channel:	142
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7477.0	30.8	12.8	43.6	74.0	-30.4	Peak	Horizontal
	10919.5	29.3	18.4	47.7	74.0	-26.3	Peak	Horizontal
*	13665.0	28.9	21.9	50.8	68.2	-17.4	Peak	Horizontal
*	16818.5	30.0	23.8	53.8	68.2	-14.4	Peak	Horizontal
	7528.0	30.8	12.8	43.6	74.0	-30.4	Peak	Vertical
	11497.5	29.1	19.4	48.5	74.0	-25.5	Peak	Vertical
*	13869.0	29.0	22.3	51.3	68.2	-16.9	Peak	Vertical
*	16725.0	30.1	23.2	53.3	68.2	-14.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT80 - Ant 1	Test Channel:	58
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7519.5	30.3	12.8	43.1	74.0	-30.9	Peak	Horizontal
	11480.5	29.1	19.3	48.4	74.0	-25.6	Peak	Horizontal
*	13869.0	30.5	22.3	52.8	68.2	-15.4	Peak	Horizontal
*	16597.5	30.1	22.4	52.5	68.2	-15.7	Peak	Horizontal
	7528.0	30.4	12.8	43.2	74.0	-30.8	Peak	Vertical
	11455.0	29.4	19.2	48.6	74.0	-25.4	Peak	Vertical
*	13733.0	28.7	22.0	50.7	68.2	-17.5	Peak	Vertical
*	16555.0	30.3	22.2	52.5	68.2	-15.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT80 - Ant 1	Test Channel:	106
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7647.0	31.3	12.5	43.8	74.0	-30.2	Peak	Horizontal
	11650.5	29.5	19.3	48.8	74.0	-25.2	Peak	Horizontal
*	14124.0	30.1	23.0	53.1	68.2	-15.1	Peak	Horizontal
*	16776.0	30.1	23.5	53.6	68.2	-14.6	Peak	Horizontal
	7562.0	31.0	12.8	43.8	74.0	-30.2	Peak	Vertical
	11412.5	28.5	19.1	47.6	74.0	-26.4	Peak	Vertical
*	13979.5	29.4	22.6	52.0	68.2	-16.2	Peak	Vertical
*	16597.5	29.8	22.4	52.2	68.2	-16.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT80 - Ant 1	Test Channel:	122
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7409.0	31.5	12.6	44.1	74.0	-29.9	Peak	Horizontal
	11480.5	29.0	19.3	48.3	74.0	-25.7	Peak	Horizontal
*	13843.5	29.4	22.2	51.6	68.2	-16.6	Peak	Horizontal
*	16631.5	29.9	22.6	52.5	68.2	-15.7	Peak	Horizontal
	7460.0	31.0	12.8	43.8	74.0	-30.2	Peak	Vertical
	11344.5	28.8	19.0	47.8	74.0	-26.2	Peak	Vertical
*	14158.0	29.1	23.1	52.2	68.2	-16.0	Peak	Vertical
*	16580.5	30.2	22.3	52.5	68.2	-15.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT80 - Ant 1	Test Channel:	138
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7443.0	31.0	12.7	43.7	74.0	-30.3	Peak	Horizontal
	11506.0	29.9	19.4	49.3	74.0	-24.7	Peak	Horizontal
*	13733.0	30.2	22.0	52.2	68.2	-16.0	Peak	Horizontal
*	16640.0	31.1	22.7	53.8	68.2	-14.4	Peak	Horizontal
	7562.0	30.7	12.8	43.5	74.0	-30.5	Peak	Vertical
	11633.5	28.9	19.4	48.3	74.0	-25.7	Peak	Vertical
*	13673.5	29.3	21.9	51.2	68.2	-17.0	Peak	Vertical
*	16835.5	29.4	23.9	53.3	68.2	-14.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11a - Ant 2	Test Channel:	52
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7460.0	30.6	12.8	43.4	74.0	-30.6	Peak	Horizontal
	11514.5	29.0	19.4	48.4	74.0	-25.6	Peak	Horizontal
*	14166.5	30.0	23.1	53.1	68.2	-15.1	Peak	Horizontal
*	16699.5	30.4	23.0	53.4	68.2	-14.8	Peak	Horizontal
	7502.5	30.5	12.9	43.4	74.0	-30.6	Peak	Vertical
	11582.5	28.9	19.5	48.4	74.0	-25.6	Peak	Vertical
*	13971.0	29.2	22.6	51.8	68.2	-16.4	Peak	Vertical
*	16631.5	30.7	22.6	53.3	68.2	-14.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11a - Ant 2	Test Channel:	60
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7579.0	30.4	12.7	43.1	74.0	-30.9	Peak	Horizontal
	11497.5	29.4	19.4	48.8	74.0	-25.2	Peak	Horizontal
*	13869.0	30.0	22.3	52.3	68.2	-15.9	Peak	Horizontal
*	16674.0	30.7	22.9	53.6	68.2	-14.6	Peak	Horizontal
	7545.0	30.6	12.8	43.4	74.0	-30.6	Peak	Vertical
	11548.5	28.8	19.5	48.3	74.0	-25.7	Peak	Vertical
*	14217.5	30.2	23.1	53.3	68.2	-14.9	Peak	Vertical
*	16512.5	29.4	21.9	51.3	68.2	-16.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11a - Ant 2	Test Channel:	64
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7553.5	30.5	12.8	43.3	74.0	-30.7	Peak	Horizontal
	11616.5	28.9	19.4	48.3	74.0	-25.7	Peak	Horizontal
*	14217.5	29.9	23.1	53.0	68.2	-15.2	Peak	Horizontal
*	16657.0	31.1	22.8	53.9	68.2	-14.3	Peak	Horizontal
	7536.5	31.4	12.8	44.2	74.0	-29.8	Peak	Vertical
	11616.5	29.8	19.4	49.2	74.0	-24.8	Peak	Vertical
*	14149.5	29.6	23.0	52.6	68.2	-15.6	Peak	Vertical
*	16555.0	29.5	22.2	51.7	68.2	-16.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11a - Ant 2	Test Channel:	100
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7570.5	30.5	12.8	43.3	74.0	-30.7	Peak	Horizontal
	11659.0	29.3	19.3	48.6	74.0	-25.4	Peak	Horizontal
*	13852.0	29.2	22.3	51.5	68.2	-16.7	Peak	Horizontal
*	16589.0	29.7	22.4	52.1	68.2	-16.1	Peak	Horizontal
	7460.0	31.0	12.8	43.8	74.0	-30.2	Peak	Vertical
	11387.0	29.4	19.1	48.5	74.0	-25.5	Peak	Vertical
*	13869.0	29.8	22.3	52.1	68.2	-16.1	Peak	Vertical
*	16784.5	30.3	23.6	53.9	68.2	-14.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11a - Ant 2	Test Channel:	116
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7519.5	31.5	12.8	44.3	74.0	-29.7	Peak	Horizontal
	11514.5	29.4	19.4	48.8	74.0	-25.2	Peak	Horizontal
*	14107.0	29.1	22.9	52.0	68.2	-16.2	Peak	Horizontal
*	16266.0	30.8	20.9	51.7	68.2	-16.5	Peak	Horizontal
	7375.0	31.2	12.5	43.7	74.0	-30.3	Peak	Vertical
	11633.5	29.1	19.4	48.5	74.0	-25.5	Peak	Vertical
*	14175.0	29.3	23.1	52.4	68.2	-15.8	Peak	Vertical
*	16436.0	28.9	21.6	50.5	68.2	-17.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11a - Ant 2	Test Channel:	120
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7536.5	32.9	12.8	45.7	74.0	-28.3	Peak	Horizontal
	11523.0	31.8	19.4	51.2	74.0	-22.8	Peak	Horizontal
*	13911.5	30.4	22.4	52.8	68.2	-15.4	Peak	Horizontal
*	16351.0	31.3	21.3	52.6	68.2	-15.6	Peak	Horizontal
	7485.5	33.4	12.8	46.2	74.0	-27.8	Peak	Vertical
	11599.5	31.6	19.5	51.1	74.0	-22.9	Peak	Vertical
*	13801.0	29.4	22.1	51.5	68.2	-16.7	Peak	Vertical
*	16351.0	31.8	21.3	53.1	68.2	-15.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11a - Ant 2	Test Channel:	140
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7536.5	30.2	12.8	43.0	74.0	-31.0	Peak	Horizontal
	11455.0	29.1	19.2	48.3	74.0	-25.7	Peak	Horizontal
*	14098.5	28.9	22.9	51.8	68.2	-16.4	Peak	Horizontal
*	16580.5	29.6	22.3	51.9	68.2	-16.3	Peak	Horizontal
	7383.5	31.3	12.5	43.8	74.0	-30.2	Peak	Vertical
	11132.0	29.6	18.6	48.2	74.0	-25.8	Peak	Vertical
*	14175.0	29.7	23.1	52.8	68.2	-15.4	Peak	Vertical
*	16495.5	29.2	21.9	51.1	68.2	-17.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11a - Ant 2	Test Channel:	144
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7494.0	30.4	12.8	43.2	74.0	-30.8	Peak	Horizontal
	11667.5	29.2	19.3	48.5	74.0	-25.5	Peak	Horizontal
*	13809.5	29.5	22.1	51.6	68.2	-16.6	Peak	Horizontal
*	16470.0	29.4	21.7	51.1	68.2	-17.1	Peak	Horizontal
	7468.5	30.3	12.8	43.1	74.0	-30.9	Peak	Vertical
	11540.0	30.0	19.4	49.4	74.0	-24.6	Peak	Vertical
*	14081.5	30.3	22.8	53.1	68.2	-15.1	Peak	Vertical
*	16538.0	30.3	22.1	52.4	68.2	-15.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11n-HT20 - Ant 2	Test Channel:	52
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7545.0	29.9	12.8	42.7	74.0	-31.3	Peak	Horizontal
	11650.5	28.6	19.3	47.9	74.0	-26.1	Peak	Horizontal
*	14073.0	28.4	22.8	51.2	68.2	-17.0	Peak	Horizontal
*	16886.5	29.5	24.1	53.6	68.2	-14.6	Peak	Horizontal
	7485.5	30.7	12.8	43.5	74.0	-30.5	Peak	Vertical
	11021.5	29.7	18.5	48.2	74.0	-25.8	Peak	Vertical
*	14175.0	29.1	23.1	52.2	68.2	-16.0	Peak	Vertical
*	16631.5	30.2	22.6	52.8	68.2	-15.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11n-HT20 - Ant 2	Test Channel:	60
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7494.0	30.2	12.8	43.0	74.0	-31.0	Peak	Horizontal
	11667.5	29.8	19.3	49.1	74.0	-24.9	Peak	Horizontal
*	14081.5	29.5	22.8	52.3	68.2	-15.9	Peak	Horizontal
*	16776.0	30.0	23.5	53.5	68.2	-14.7	Peak	Horizontal
	7587.5	31.0	12.7	43.7	74.0	-30.3	Peak	Vertical
	11506.0	29.5	19.4	48.9	74.0	-25.1	Peak	Vertical
*	14022.0	29.8	22.7	52.5	68.2	-15.7	Peak	Vertical
*	16495.5	30.0	21.9	51.9	68.2	-16.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11n-HT20 - Ant 2	Test Channel:	64
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7341.0	31.2	12.4	43.6	74.0	-30.4	Peak	Horizontal
	11132.0	29.4	18.6	48.0	74.0	-26.0	Peak	Horizontal
*	13809.5	29.5	22.1	51.6	68.2	-16.6	Peak	Horizontal
*	16589.0	30.0	22.4	52.4	68.2	-15.8	Peak	Horizontal
	7519.5	30.6	12.8	43.4	74.0	-30.6	Peak	Vertical
	11599.5	28.8	19.5	48.3	74.0	-25.7	Peak	Vertical
*	13767.0	29.3	22.0	51.3	68.2	-16.9	Peak	Vertical
*	16589.0	30.1	22.4	52.5	68.2	-15.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11n-HT20 - Ant 2	Test Channel:	100
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7562.0	31.5	12.8	44.3	74.0	-29.7	Peak	Horizontal
	11650.5	29.9	19.3	49.2	74.0	-24.8	Peak	Horizontal
*	14226.0	29.4	23.1	52.5	68.2	-15.7	Peak	Horizontal
*	16589.0	29.3	22.4	51.7	68.2	-16.5	Peak	Horizontal
	7477.0	31.3	12.8	44.1	74.0	-29.9	Peak	Vertical
	11480.5	28.2	19.3	47.5	74.0	-26.5	Peak	Vertical
*	13826.5	29.4	22.2	51.6	68.2	-16.6	Peak	Vertical
*	16784.5	29.5	23.6	53.1	68.2	-15.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11n-HT20 - Ant 2	Test Channel:	116
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7596.0	30.6	12.7	43.3	74.0	-30.7	Peak	Horizontal
	11599.5	29.6	19.5	49.1	74.0	-24.9	Peak	Horizontal
*	13699.0	29.3	22.0	51.3	68.2	-16.9	Peak	Horizontal
*	16640.0	30.4	22.7	53.1	68.2	-15.1	Peak	Horizontal
	7366.5	31.5	12.5	44.0	74.0	-30.0	Peak	Vertical
	11463.5	29.1	19.3	48.4	74.0	-25.6	Peak	Vertical
*	14081.5	29.5	22.8	52.3	68.2	-15.9	Peak	Vertical
*	16835.5	30.1	23.9	54.0	68.2	-14.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11n-HT20 - Ant 2	Test Channel:	120
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7511.0	33.3	12.9	46.2	74.0	-27.8	Peak	Horizontal
	11574.0	31.8	19.5	51.3	74.0	-22.7	Peak	Horizontal
*	14030.5	29.5	22.7	52.2	68.2	-16.0	Peak	Horizontal
*	16274.5	31.3	21.0	52.3	68.2	-15.9	Peak	Horizontal
	7587.5	32.4	12.7	45.1	74.0	-28.9	Peak	Vertical
	11463.5	31.2	19.3	50.5	74.0	-23.5	Peak	Vertical
*	13792.5	30.3	22.1	52.4	68.2	-15.8	Peak	Vertical
*	16368.0	31.5	21.4	52.9	68.2	-15.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11n-HT20 - Ant 2	Test Channel:	140
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7536.5	31.4	12.8	44.2	74.0	-29.8	Peak	Horizontal
	11353.0	29.5	19.0	48.5	74.0	-25.5	Peak	Horizontal
*	13877.5	29.8	22.3	52.1	68.2	-16.1	Peak	Horizontal
*	16461.5	30.1	21.7	51.8	68.2	-16.4	Peak	Horizontal
	7298.5	31.4	12.3	43.7	74.0	-30.3	Peak	Vertical
	11395.5	29.3	19.1	48.4	74.0	-25.6	Peak	Vertical
*	13826.5	30.9	22.2	53.1	68.2	-15.1	Peak	Vertical
*	16657.0	30.4	22.8	53.2	68.2	-15.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11n-HT20 - Ant 2	Test Channel:	144
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7528.0	31.0	12.8	43.8	74.0	-30.2	Peak	Horizontal
	11319.0	29.2	18.9	48.1	74.0	-25.9	Peak	Horizontal
*	13928.5	29.5	22.4	51.9	68.2	-16.3	Peak	Horizontal
*	16589.0	31.4	22.4	53.8	68.2	-14.4	Peak	Horizontal
	7528.0	30.2	12.8	43.0	74.0	-31.0	Peak	Vertical
	11616.5	29.6	19.4	49.0	74.0	-25.0	Peak	Vertical
*	14209.0	29.4	23.1	52.5	68.2	-15.7	Peak	Vertical
*	16580.5	29.6	22.3	51.9	68.2	-16.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11n-HT40 - Ant 2	Test Channel:	54
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7494.0	30.7	12.8	43.5	74.0	-30.5	Peak	Horizontal
	11616.5	29.3	19.4	48.7	74.0	-25.3	Peak	Horizontal
*	13767.0	29.2	22.0	51.2	68.2	-17.0	Peak	Horizontal
*	16776.0	30.2	23.5	53.7	68.2	-14.5	Peak	Horizontal
	7528.0	30.5	12.8	43.3	74.0	-30.7	Peak	Vertical
	11676.0	30.0	19.2	49.2	74.0	-24.8	Peak	Vertical
*	14030.5	29.0	22.7	51.7	68.2	-16.5	Peak	Vertical
*	16725.0	30.6	23.2	53.8	68.2	-14.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11n-HT40 - Ant 2	Test Channel:	62
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7485.5	30.2	12.8	43.0	74.0	-31.0	Peak	Horizontal
	11659.0	29.1	19.3	48.4	74.0	-25.6	Peak	Horizontal
*	13792.5	29.5	22.1	51.6	68.2	-16.6	Peak	Horizontal
*	16657.0	30.0	22.8	52.8	68.2	-15.4	Peak	Horizontal
	7511.0	30.5	12.9	43.4	74.0	-30.6	Peak	Vertical
	11506.0	28.9	19.4	48.3	74.0	-25.7	Peak	Vertical
*	14217.5	29.7	23.1	52.8	68.2	-15.4	Peak	Vertical
*	16538.0	30.3	22.1	52.4	68.2	-15.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11n-HT40 - Ant 2	Test Channel:	102
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7672.5	31.2	12.5	43.7	74.0	-30.3	Peak	Horizontal
	10962.0	30.0	18.4	48.4	74.0	-25.6	Peak	Horizontal
*	14209.0	29.6	23.1	52.7	68.2	-15.5	Peak	Horizontal
*	16317.0	29.9	21.2	51.1	68.2	-17.1	Peak	Horizontal
	7502.5	32.4	12.9	45.3	74.0	-28.7	Peak	Vertical
	11667.5	30.4	19.3	49.7	74.0	-24.3	Peak	Vertical
*	13877.5	30.4	22.3	52.7	68.2	-15.5	Peak	Vertical
*	16623.0	31.1	22.6	53.7	68.2	-14.5	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11n-HT40 - Ant 2	Test Channel:	110
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7477.0	30.8	12.8	43.6	74.0	-30.4	Peak	Horizontal
	11463.5	29.1	19.3	48.4	74.0	-25.6	Peak	Horizontal
*	13971.0	29.8	22.6	52.4	68.2	-15.8	Peak	Horizontal
*	16623.0	30.7	22.6	53.3	68.2	-14.9	Peak	Horizontal
	7451.5	30.7	12.8	43.5	74.0	-30.5	Peak	Vertical
	11557.0	28.9	19.5	48.4	74.0	-25.6	Peak	Vertical
*	13690.5	29.4	21.9	51.3	68.2	-16.9	Peak	Vertical
*	16640.0	30.7	22.7	53.4	68.2	-14.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11n-HT40 - Ant 2	Test Channel:	118
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7477.0	30.8	12.8	43.6	74.0	-30.4	Peak	Horizontal
	11463.5	29.1	19.3	48.4	74.0	-25.6	Peak	Horizontal
*	13971.0	29.8	22.6	52.4	68.2	-15.8	Peak	Horizontal
*	16623.0	30.7	22.6	53.3	68.2	-14.9	Peak	Horizontal
	7451.5	30.7	12.8	43.5	74.0	-30.5	Peak	Vertical
	11557.0	28.9	19.5	48.4	74.0	-25.6	Peak	Vertical
*	13690.5	29.4	21.9	51.3	68.2	-16.9	Peak	Vertical
*	16640.0	30.7	22.7	53.4	68.2	-14.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11n-HT40 - Ant 2	Test Channel:	134
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7536.5	31.0	12.8	43.8	74.0	-30.2	Peak	Horizontal
	11004.5	30.3	18.5	48.8	74.0	-25.2	Peak	Horizontal
*	14268.5	29.5	23.1	52.6	68.2	-15.6	Peak	Horizontal
*	16776.0	30.3	23.5	53.8	68.2	-14.4	Peak	Horizontal
	7562.0	30.7	12.8	43.5	74.0	-30.5	Peak	Vertical
	11574.0	29.8	19.5	49.3	74.0	-24.7	Peak	Vertical
*	13826.5	29.5	22.2	51.7	68.2	-16.5	Peak	Vertical
*	16572.0	28.6	22.3	50.9	68.2	-17.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11n-HT40 - Ant 2	Test Channel:	142
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7672.5	31.7	12.5	44.2	74.0	-29.8	Peak	Horizontal
	11089.5	29.7	18.6	48.3	74.0	-25.7	Peak	Horizontal
*	13945.5	28.9	22.5	51.4	68.2	-16.8	Peak	Horizontal
*	16665.5	30.3	22.8	53.1	68.2	-15.1	Peak	Horizontal
	7553.5	31.0	12.8	43.8	74.0	-30.2	Peak	Vertical
	11642.0	29.4	19.4	48.8	74.0	-25.2	Peak	Vertical
*	14260.0	29.5	23.1	52.6	68.2	-15.6	Peak	Vertical
*	16716.5	30.5	23.1	53.6	68.2	-14.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11ac-VHT20 - Ant 2	Test Channel:	52
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7570.5	30.8	12.8	43.6	74.0	-30.4	Peak	Horizontal
	11565.5	28.9	19.5	48.4	74.0	-25.6	Peak	Horizontal
*	13971.0	29.3	22.6	51.9	68.2	-16.3	Peak	Horizontal
*	16631.5	30.1	22.6	52.7	68.2	-15.5	Peak	Horizontal
	7562.0	30.4	12.8	43.2	74.0	-30.8	Peak	Vertical
	10987.5	29.9	18.5	48.4	74.0	-25.6	Peak	Vertical
*	13852.0	29.4	22.3	51.7	68.2	-16.5	Peak	Vertical
*	16555.0	30.2	22.2	52.4	68.2	-15.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11ac-VHT20 - Ant 2	Test Channel:	60
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7613.0	31.0	12.6	43.6	74.0	-30.4	Peak	Horizontal
	11650.5	30.1	19.3	49.4	74.0	-24.6	Peak	Horizontal
*	14124.0	29.1	23.0	52.1	68.2	-16.1	Peak	Horizontal
*	16461.5	30.1	21.7	51.8	68.2	-16.4	Peak	Horizontal
	7621.5	31.2	12.6	43.8	74.0	-30.2	Peak	Vertical
	11633.5	29.6	19.4	49.0	74.0	-25.0	Peak	Vertical
*	14234.5	29.2	23.1	52.3	68.2	-15.9	Peak	Vertical
*	16631.5	29.8	22.6	52.4	68.2	-15.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11ac-VHT20 - Ant 2	Test Channel:	64
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7451.5	31.6	12.8	44.4	74.0	-29.6	Peak	Horizontal
	11047.0	30.0	18.5	48.5	74.0	-25.5	Peak	Horizontal
*	13792.5	29.6	22.1	51.7	68.2	-16.5	Peak	Horizontal
*	16665.5	30.0	22.8	52.8	68.2	-15.4	Peak	Horizontal
	7553.5	31.0	12.8	43.8	74.0	-30.2	Peak	Vertical
	11565.5	28.9	19.5	48.4	74.0	-25.6	Peak	Vertical
*	13826.5	29.8	22.2	52.0	68.2	-16.2	Peak	Vertical
*	16538.0	30.2	22.1	52.3	68.2	-15.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11ac-VHT20 - Ant 2	Test Channel:	100
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7494.0	31.2	12.8	44.0	74.0	-30.0	Peak	Horizontal
	11565.5	29.4	19.5	48.9	74.0	-25.1	Peak	Horizontal
*	14268.5	30.4	23.1	53.5	68.2	-14.7	Peak	Horizontal
*	16376.5	30.4	21.4	51.8	68.2	-16.4	Peak	Horizontal
	7409.0	31.3	12.6	43.9	74.0	-30.1	Peak	Vertical
	11157.5	29.6	18.7	48.3	74.0	-25.7	Peak	Vertical
*	14149.5	29.0	23.0	52.0	68.2	-16.2	Peak	Vertical
*	16861.0	30.0	24.0	54.0	68.2	-14.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11ac-VHT20 - Ant 2	Test Channel:	116
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7596.0	31.3	12.7	44.0	74.0	-30.0	Peak	Horizontal
	11472.0	29.5	19.3	48.8	74.0	-25.2	Peak	Horizontal
*	13928.5	29.4	22.4	51.8	68.2	-16.4	Peak	Horizontal
*	16767.5	30.2	23.5	53.7	68.2	-14.5	Peak	Horizontal
	7494.0	30.5	12.8	43.3	74.0	-30.7	Peak	Vertical
	11667.5	29.2	19.3	48.5	74.0	-25.5	Peak	Vertical
*	14124.0	29.1	23.0	52.1	68.2	-16.1	Peak	Vertical
*	16750.5	30.3	23.3	53.6	68.2	-14.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11ac-VHT20 - Ant 2	Test Channel:	120
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7562.0	32.0	12.8	44.8	74.0	-29.2	Peak	Horizontal
	11616.5	31.3	19.4	50.7	74.0	-23.3	Peak	Horizontal
*	13809.5	29.7	22.1	51.8	68.2	-16.4	Peak	Horizontal
*	16283.0	31.3	21.0	52.3	68.2	-15.9	Peak	Horizontal
	7630.0	33.0	12.6	45.6	74.0	-28.4	Peak	Vertical
	11608.0	31.2	19.4	50.6	74.0	-23.4	Peak	Vertical
*	13852.0	30.0	22.3	52.3	68.2	-15.9	Peak	Vertical
*	16274.5	31.2	21.0	52.2	68.2	-16.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11ac-VHT20 - Ant 2	Test Channel:	140
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7400.5	31.4	12.6	44.0	74.0	-30.0	Peak	Horizontal
	11540.0	28.2	19.4	47.6	74.0	-26.4	Peak	Horizontal
*	14226.0	29.0	23.1	52.1	68.2	-16.1	Peak	Horizontal
*	16376.5	29.2	21.4	50.6	68.2	-17.6	Peak	Horizontal
	7579.0	30.9	12.7	43.6	74.0	-30.4	Peak	Vertical
	11336.0	29.7	19.0	48.7	74.0	-25.3	Peak	Vertical
*	14022.0	28.7	22.7	51.4	68.2	-16.8	Peak	Vertical
*	16504.0	29.5	21.9	51.4	68.2	-16.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11ac-VHT20 - Ant 2	Test Channel:	144
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7528.0	31.0	12.8	43.8	74.0	-30.2	Peak	Horizontal
	11616.5	29.2	19.4	48.6	74.0	-25.4	Peak	Horizontal
*	14268.5	29.4	23.1	52.5	68.2	-15.7	Peak	Horizontal
*	16682.5	31.0	22.9	53.9	68.2	-14.3	Peak	Horizontal
	7545.0	31.7	12.8	44.5	74.0	-29.5	Peak	Vertical
	11540.0	29.6	19.4	49.0	74.0	-25.0	Peak	Vertical
*	14175.0	29.2	23.1	52.3	68.2	-15.9	Peak	Vertical
*	16385.0	30.9	21.4	52.3	68.2	-15.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11ac-VHT40 - Ant 2	Test Channel:	54
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7553.5	30.7	12.8	43.5	74.0	-30.5	Peak	Horizontal
	11013.0	30.7	18.5	49.2	74.0	-24.8	Peak	Horizontal
*	13886.0	29.3	22.3	51.6	68.2	-16.6	Peak	Horizontal
*	16750.5	30.3	23.3	53.6	68.2	-14.6	Peak	Horizontal
	7570.5	31.7	12.8	44.5	74.0	-29.5	Peak	Vertical
	11582.5	29.1	19.5	48.6	74.0	-25.4	Peak	Vertical
*	13809.5	29.9	22.1	52.0	68.2	-16.2	Peak	Vertical
*	16784.5	30.1	23.6	53.7	68.2	-14.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11ac-VHT40 - Ant 2	Test Channel:	62
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7409.0	32.3	12.6	44.9	74.0	-29.1	Peak	Horizontal
	11565.5	28.8	19.5	48.3	74.0	-25.7	Peak	Horizontal
*	13860.5	29.8	22.3	52.1	68.2	-16.1	Peak	Horizontal
*	16546.5	31.3	22.1	53.4	68.2	-14.8	Peak	Horizontal
	7494.0	30.1	12.8	42.9	74.0	-31.1	Peak	Vertical
	11506.0	29.0	19.4	48.4	74.0	-25.6	Peak	Vertical
*	14192.0	28.9	23.1	52.0	68.2	-16.2	Peak	Vertical
*	16589.0	30.3	22.4	52.7	68.2	-15.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11ac-VHT40 - Ant 2	Test Channel:	102
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7536.5	31.3	12.8	44.1	74.0	-29.9	Peak	Horizontal
	11608.0	29.4	19.4	48.8	74.0	-25.2	Peak	Horizontal
*	14132.5	29.0	23.0	52.0	68.2	-16.2	Peak	Horizontal
*	16478.5	29.6	21.8	51.4	68.2	-16.8	Peak	Horizontal
	7570.5	31.1	12.8	43.9	74.0	-30.1	Peak	Vertical
	10996.0	30.1	18.5	48.6	74.0	-25.4	Peak	Vertical
*	14268.5	29.5	23.1	52.6	68.2	-15.6	Peak	Vertical
*	16844.0	29.6	23.9	53.5	68.2	-14.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11ac-VHT40 - Ant 2	Test Channel:	110
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7502.5	30.5	12.9	43.4	74.0	-30.6	Peak	Horizontal
	10970.5	30.7	18.5	49.2	74.0	-24.8	Peak	Horizontal
*	14081.5	29.3	22.8	52.1	68.2	-16.1	Peak	Horizontal
*	16529.5	30.1	22.0	52.1	68.2	-16.1	Peak	Horizontal
	7579.0	30.6	12.7	43.3	74.0	-30.7	Peak	Vertical
	11608.0	29.1	19.4	48.5	74.0	-25.5	Peak	Vertical
*	13869.0	29.5	22.3	51.8	68.2	-16.4	Peak	Vertical
*	16725.0	30.7	23.2	53.9	68.2	-14.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11ac-VHT40 - Ant 2	Test Channel:	118
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7579.0	32.9	12.7	45.6	74.0	-28.4	Peak	Horizontal
	11616.5	31.7	19.4	51.1	74.0	-22.9	Peak	Horizontal
*	13758.5	30.5	22.0	52.5	68.2	-15.7	Peak	Horizontal
*	16478.5	31.6	21.8	53.4	68.2	-14.8	Peak	Horizontal
	7451.5	33.4	12.8	46.2	74.0	-27.8	Peak	Vertical
	11548.5	31.3	19.5	50.8	74.0	-23.2	Peak	Vertical
*	13809.5	29.8	22.1	51.9	68.2	-16.3	Peak	Vertical
*	16215.0	30.9	20.7	51.6	68.2	-16.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11ac-VHT40 - Ant 2	Test Channel:	134
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7366.5	31.1	12.5	43.6	74.0	-30.4	Peak	Horizontal
	11523.0	28.6	19.4	48.0	74.0	-26.0	Peak	Horizontal
*	14081.5	29.3	22.8	52.1	68.2	-16.1	Peak	Horizontal
*	16546.5	30.2	22.1	52.3	68.2	-15.9	Peak	Horizontal
	7528.0	30.3	12.8	43.1	74.0	-30.9	Peak	Vertical
	11548.5	28.7	19.5	48.2	74.0	-25.8	Peak	Vertical
*	14217.5	29.1	23.1	52.2	68.2	-16.0	Peak	Vertical
*	16733.5	30.3	23.2	53.5	68.2	-14.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11ac-VHT40 - Ant 2	Test Channel:	142
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7341.0	31.8	12.4	44.2	74.0	-29.8	Peak	Horizontal
	11599.5	29.8	19.5	49.3	74.0	-24.7	Peak	Horizontal
*	13988.0	29.0	22.7	51.7	68.2	-16.5	Peak	Horizontal
*	17005.5	29.3	24.6	53.9	68.2	-14.3	Peak	Horizontal
	7400.5	30.9	12.6	43.5	74.0	-30.5	Peak	Vertical
	11625.0	29.0	19.4	48.4	74.0	-25.6	Peak	Vertical
*	13758.5	29.3	22.0	51.3	68.2	-16.9	Peak	Vertical
*	16529.5	29.3	22.0	51.3	68.2	-16.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11ac-VHT80 - Ant 2	Test Channel:	58
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7553.5	30.8	12.8	43.6	74.0	-30.4	Peak	Horizontal
	11650.5	29.4	19.3	48.7	74.0	-25.3	Peak	Horizontal
*	14175.0	29.3	23.1	52.4	68.2	-15.8	Peak	Horizontal
*	16767.5	30.2	23.5	53.7	68.2	-14.5	Peak	Horizontal
	7553.5	29.6	12.8	42.4	74.0	-31.6	Peak	Vertical
	11574.0	29.1	19.5	48.6	74.0	-25.4	Peak	Vertical
*	14030.5	28.4	22.7	51.1	68.2	-17.1	Peak	Vertical
*	16835.5	29.9	23.9	53.8	68.2	-14.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11ac-VHT80 - Ant 2	Test Channel:	106
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7596.0	31.5	12.7	44.2	74.0	-29.8	Peak	Horizontal
	11548.5	28.9	19.5	48.4	74.0	-25.6	Peak	Horizontal
*	13758.5	29.7	22.0	51.7	68.2	-16.5	Peak	Horizontal
*	16504.0	30.5	21.9	52.4	68.2	-15.8	Peak	Horizontal
	7502.5	30.6	12.9	43.5	74.0	-30.5	Peak	Vertical
	11557.0	28.5	19.5	48.0	74.0	-26.0	Peak	Vertical
*	13843.5	29.4	22.2	51.6	68.2	-16.6	Peak	Vertical
*	16614.5	29.5	22.5	52.0	68.2	-16.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11ac-VHT80 - Ant 2	Test Channel:	122
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7587.5	31.3	12.7	44.0	74.0	-30.0	Peak	Horizontal
	11506.0	28.6	19.4	48.0	74.0	-26.0	Peak	Horizontal
*	14217.5	28.9	23.1	52.0	68.2	-16.2	Peak	Horizontal
*	16495.5	29.4	21.9	51.3	68.2	-16.9	Peak	Horizontal
	7536.5	30.2	12.8	43.0	74.0	-31.0	Peak	Vertical
	11557.0	28.1	19.5	47.6	74.0	-26.4	Peak	Vertical
*	13937.0	29.9	22.5	52.4	68.2	-15.8	Peak	Vertical
*	16614.5	29.4	22.5	51.9	68.2	-16.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/11
Test Mode:	802.11ac-VHT80 - Ant 2	Test Channel:	138
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7536.5	30.3	12.8	43.1	74.0	-30.9	Peak	Horizontal
	11608.0	29.4	19.4	48.8	74.0	-25.2	Peak	Horizontal
*	14217.5	29.4	23.1	52.5	68.2	-15.7	Peak	Horizontal
*	16725.0	29.9	23.2	53.1	68.2	-15.1	Peak	Horizontal
	7426.0	31.5	12.7	44.2	74.0	-29.8	Peak	Vertical
	11727.0	29.6	19.0	48.6	74.0	-25.4	Peak	Vertical
*	14268.5	30.0	23.1	53.1	68.2	-15.1	Peak	Vertical
*	16640.0	30.3	22.7	53.0	68.2	-15.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11a - Ant 1 + 2 (CDD Mode)	Test Channel:	52
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7528.0	30.4	12.8	43.2	74.0	-30.8	Peak	Horizontal
	11225.5	28.6	18.8	47.4	74.0	-26.6	Peak	Horizontal
*	13818.0	30.0	22.2	52.2	68.2	-16.0	Peak	Horizontal
*	16614.5	29.2	22.5	51.7	68.2	-16.5	Peak	Horizontal
	7528.0	29.9	12.8	42.7	74.0	-31.3	Peak	Vertical
	11582.5	29.0	19.5	48.5	74.0	-25.5	Peak	Vertical
*	13724.5	28.7	22.0	50.7	68.2	-17.5	Peak	Vertical
*	16818.5	29.7	23.8	53.5	68.2	-14.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11a - Ant 1 + 2 (CDD Mode)	Test Channel:	60
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7511.0	30.1	12.9	43.0	74.0	-31.0	Peak	Horizontal
	11540.0	28.8	19.4	48.2	74.0	-25.8	Peak	Horizontal
*	13801.0	29.1	22.1	51.2	68.2	-17.0	Peak	Horizontal
*	16869.5	29.6	24.1	53.7	68.2	-14.5	Peak	Horizontal
	7443.0	30.1	12.7	42.8	74.0	-31.2	Peak	Vertical
	11548.5	29.2	19.5	48.7	74.0	-25.3	Peak	Vertical
*	13724.5	29.4	22.0	51.4	68.2	-16.8	Peak	Vertical
*	16784.5	30.0	23.6	53.6	68.2	-14.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11a - Ant 1 + 2 (CDD Mode)	Test Channel:	64
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7511.0	30.4	12.9	43.3	74.0	-30.7	Peak	Horizontal
	11591.0	28.8	19.5	48.3	74.0	-25.7	Peak	Horizontal
*	13809.5	28.7	22.1	50.8	68.2	-17.4	Peak	Horizontal
*	16784.5	30.0	23.6	53.6	68.2	-14.6	Peak	Horizontal
	7485.5	30.7	12.8	43.5	74.0	-30.5	Peak	Vertical
	11480.5	28.0	19.3	47.3	74.0	-26.7	Peak	Vertical
*	13758.5	29.8	22.0	51.8	68.2	-16.4	Peak	Vertical
*	16529.5	30.0	22.0	52.0	68.2	-16.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11a - Ant 1 + 2 (CDD Mode)	Test Channel:	100
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7477.0	29.7	12.8	42.5	74.0	-31.5	Peak	Horizontal
	11480.5	29.8	19.3	49.1	74.0	-24.9	Peak	Horizontal
*	13962.5	28.9	22.6	51.5	68.2	-16.7	Peak	Horizontal
*	16827.0	29.9	23.9	53.8	68.2	-14.4	Peak	Horizontal
	7553.5	30.6	12.8	43.4	74.0	-30.6	Peak	Vertical
	11523.0	28.8	19.4	48.2	74.0	-25.8	Peak	Vertical
*	13877.5	29.1	22.3	51.4	68.2	-16.8	Peak	Vertical
*	16665.5	30.8	22.8	53.6	68.2	-14.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11a - Ant 1 + 2 (CDD Mode)	Test Channel:	116
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7553.5	29.9	12.8	42.7	74.0	-31.3	Peak	Horizontal
	11565.5	28.5	19.5	48.0	74.0	-26.0	Peak	Horizontal
*	13809.5	29.2	22.1	51.3	68.2	-16.9	Peak	Horizontal
*	16708.0	30.0	23.1	53.1	68.2	-15.1	Peak	Horizontal
	7494.0	31.1	12.8	43.9	74.0	-30.1	Peak	Vertical
	11684.5	29.4	19.2	48.6	74.0	-25.4	Peak	Vertical
*	13767.0	28.7	22.0	50.7	68.2	-17.5	Peak	Vertical
*	16674.0	30.7	22.9	53.6	68.2	-14.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11a - Ant 1 + 2 (CDD Mode)	Test Channel:	120
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7562.0	33.2	12.8	46.0	74.0	-28.0	Peak	Horizontal
	11574.0	31.1	19.5	50.6	74.0	-23.4	Peak	Horizontal
*	13733.0	30.9	22.0	52.9	68.2	-15.3	Peak	Horizontal
*	16283.0	31.4	21.0	52.4	68.2	-15.8	Peak	Horizontal
	7494.0	33.8	12.8	46.6	74.0	-27.4	Peak	Vertical
	11565.5	31.2	19.5	50.6	74.0	-23.4	Peak	Vertical
*	13801.0	30.1	22.1	52.2	68.2	-16.0	Peak	Vertical
*	16274.5	31.5	21.0	52.5	68.2	-15.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11a - Ant 1 + 2 (CDD Mode)	Test Channel:	140
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7621.5	30.6	12.6	43.2	74.0	-30.8	Peak	Horizontal
	11548.5	29.1	19.5	48.6	74.0	-25.4	Peak	Horizontal
*	13809.5	29.3	22.1	51.4	68.2	-16.8	Peak	Horizontal
*	16631.5	29.8	22.6	52.4	68.2	-15.8	Peak	Horizontal
	7502.5	29.8	12.9	42.7	74.0	-31.3	Peak	Vertical
	11548.5	29.1	19.5	48.6	74.0	-25.4	Peak	Vertical
*	13818.0	29.3	22.2	51.5	68.2	-16.7	Peak	Vertical
*	16631.5	30.3	22.6	52.9	68.2	-15.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11a - Ant 1 + 2 (CDD Mode)	Test Channel:	144
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7528.0	30.4	12.8	43.2	74.0	-30.8	Peak	Horizontal
	11523.0	28.9	19.4	48.3	74.0	-25.7	Peak	Horizontal
*	13801.0	28.7	22.1	50.8	68.2	-17.4	Peak	Horizontal
*	16725.0	30.2	23.2	53.4	68.2	-14.8	Peak	Horizontal
	7579.0	30.1	12.7	42.8	74.0	-31.2	Peak	Vertical
	11438.0	29.7	19.2	48.9	74.0	-25.1	Peak	Vertical
*	13656.5	29.3	21.8	51.1	68.2	-17.1	Peak	Vertical
*	16555.0	29.9	22.2	52.1	68.2	-16.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT20 - Ant 1 + 2 (CDD Mode)	Test Channel:	52
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7613.0	30.7	12.6	43.3	74.0	-30.7	Peak	Horizontal
	11523.0	28.3	19.4	47.7	74.0	-26.3	Peak	Horizontal
*	14081.5	29.0	22.8	51.8	68.2	-16.4	Peak	Horizontal
*	16861.0	29.8	24.0	53.8	68.2	-14.4	Peak	Horizontal
	7477.0	30.7	12.8	43.5	74.0	-30.5	Peak	Vertical
	11625.0	28.6	19.4	48.0	74.0	-26.0	Peak	Vertical
*	14073.0	28.8	22.8	51.6	68.2	-16.6	Peak	Vertical
*	16844.0	29.9	23.9	53.8	68.2	-14.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT20 - Ant 1 + 2 (CDD Mode)	Test Channel:	60
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7451.5	30.1	12.8	42.9	74.0	-31.1	Peak	Horizontal
	11548.5	28.4	19.5	47.9	74.0	-26.1	Peak	Horizontal
*	13775.5	29.2	22.1	51.3	68.2	-16.9	Peak	Horizontal
*	16538.0	29.1	22.1	51.2	68.2	-17.0	Peak	Horizontal
	7553.5	30.7	12.8	43.5	74.0	-30.5	Peak	Vertical
	11633.5	29.1	19.4	48.5	74.0	-25.5	Peak	Vertical
*	13835.0	29.4	22.2	51.6	68.2	-16.6	Peak	Vertical
*	16674.0	30.6	22.9	53.5	68.2	-14.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT20 - Ant 1 + 2 (CDD Mode)	Test Channel:	64
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7536.5	29.6	12.8	42.4	74.0	-31.6	Peak	Horizontal
	11412.5	29.9	19.1	49.0	74.0	-25.0	Peak	Horizontal
*	13784.0	29.5	22.1	51.6	68.2	-16.6	Peak	Horizontal
*	16691.0	30.1	23.0	53.1	68.2	-15.1	Peak	Horizontal
	7604.5	31.0	12.7	43.7	74.0	-30.3	Peak	Vertical
	11659.0	29.5	19.3	48.8	74.0	-25.2	Peak	Vertical
*	13809.5	29.3	22.1	51.4	68.2	-16.8	Peak	Vertical
*	16776.0	30.3	23.5	53.8	68.2	-14.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT20 - Ant 1 + 2 (CDD Mode)	Test Channel:	100
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7511.0	29.9	12.9	42.8	74.0	-31.2	Peak	Horizontal
	11557.0	28.8	19.5	48.3	74.0	-25.7	Peak	Horizontal
*	13792.5	28.9	22.1	51.0	68.2	-17.2	Peak	Horizontal
*	16538.0	30.9	22.1	53.0	68.2	-15.2	Peak	Horizontal
	7570.5	29.9	12.8	42.7	74.0	-31.3	Peak	Vertical
	11472.0	29.5	19.3	48.8	74.0	-25.2	Peak	Vertical
*	13826.5	29.3	22.2	51.5	68.2	-16.7	Peak	Vertical
*	16614.5	30.7	22.5	53.2	68.2	-15.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT20 - Ant 1 + 2 (CDD Mode)	Test Channel:	116
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7528.0	30.7	12.8	43.5	74.0	-30.5	Peak	Horizontal
	11565.5	28.5	19.5	48.0	74.0	-26.0	Peak	Horizontal
*	13784.0	29.1	22.1	51.2	68.2	-17.0	Peak	Horizontal
*	16521.0	30.5	22.0	52.5	68.2	-15.7	Peak	Horizontal
	7587.5	31.7	12.7	44.4	74.0	-29.6	Peak	Vertical
	11557.0	29.2	19.5	48.7	74.0	-25.3	Peak	Vertical
*	13775.5	28.7	22.1	50.8	68.2	-17.4	Peak	Vertical
*	16682.5	30.5	22.9	53.4	68.2	-14.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT20 - Ant 1 + 2 (CDD Mode)	Test Channel:	120
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7562.0	32.9	12.8	45.7	74.0	-28.3	Peak	Horizontal
	11548.5	31.0	19.5	50.4	74.0	-23.6	Peak	Horizontal
*	13852.0	30.2	22.3	52.5	68.2	-15.7	Peak	Horizontal
*	16215.0	30.9	20.7	51.7	68.2	-16.5	Peak	Horizontal
	7451.5	33.0	12.8	45.7	74.0	-28.3	Peak	Vertical
	11591.0	31.6	19.5	51.1	74.0	-23.0	Peak	Vertical
*	13792.5	29.8	22.1	51.9	68.2	-16.3	Peak	Vertical
*	16283.0	31.3	21.0	52.3	68.2	-15.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT20 - Ant 1 + 2 (CDD Mode)	Test Channel:	140
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7570.5	30.9	12.8	43.7	74.0	-30.3	Peak	Horizontal
	11574.0	29.1	19.5	48.6	74.0	-25.4	Peak	Horizontal
*	13937.0	29.3	22.5	51.8	68.2	-16.4	Peak	Horizontal
*	16742.0	30.1	23.3	53.4	68.2	-14.8	Peak	Horizontal
	7485.5	30.6	12.8	43.4	74.0	-30.6	Peak	Vertical
	11395.5	29.6	19.1	48.7	74.0	-25.3	Peak	Vertical
*	13835.0	29.3	22.2	51.5	68.2	-16.7	Peak	Vertical
*	16691.0	30.6	23.0	53.6	68.2	-14.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT20 - Ant 1 + 2 (CDD Mode)	Test Channel:	144
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7553.5	30.2	12.8	43.0	74.0	-31.0	Peak	Horizontal
	11540.0	29.0	19.4	48.4	74.0	-25.6	Peak	Horizontal
*	13886.0	29.1	22.3	51.4	68.2	-16.8	Peak	Horizontal
*	16827.0	29.9	23.9	53.8	68.2	-14.4	Peak	Horizontal
	7460.0	30.6	12.8	43.4	74.0	-30.6	Peak	Vertical
	11446.5	30.0	19.2	49.2	74.0	-24.8	Peak	Vertical
*	13758.5	29.5	22.0	51.5	68.2	-16.7	Peak	Vertical
*	16776.0	29.5	23.5	53.0	68.2	-15.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT40 - Ant 1 + 2 (CDD Mode)	Test Channel:	54
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7536.5	30.1	12.8	42.9	74.0	-31.1	Peak	Horizontal
	11574.0	28.8	19.5	48.3	74.0	-25.7	Peak	Horizontal
*	13767.0	28.3	22.0	50.3	68.2	-17.9	Peak	Horizontal
*	16844.0	29.9	23.9	53.8	68.2	-14.4	Peak	Horizontal
	7562.0	31.3	12.8	44.1	74.0	-29.9	Peak	Vertical
	11497.5	29.2	19.4	48.6	74.0	-25.4	Peak	Vertical
*	13716.0	29.6	22.0	51.6	68.2	-16.6	Peak	Vertical
*	16555.0	29.9	22.2	52.1	68.2	-16.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT40 - Ant 1 + 2 (CDD Mode)	Test Channel:	62
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7587.5	31.4	12.7	44.1	74.0	-29.9	Peak	Horizontal
	11667.5	28.8	19.3	48.1	74.0	-25.9	Peak	Horizontal
*	13928.5	30.3	22.4	52.7	68.2	-15.5	Peak	Horizontal
*	16861.0	29.6	24.0	53.6	68.2	-14.6	Peak	Horizontal
	7502.5	30.8	12.9	43.7	74.0	-30.3	Peak	Vertical
	11557.0	29.2	19.5	48.7	74.0	-25.3	Peak	Vertical
*	13784.0	29.5	22.1	51.6	68.2	-16.6	Peak	Vertical
*	16725.0	30.6	23.2	53.8	68.2	-14.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT40 - Ant 1 + 2 (CDD Mode)	Test Channel:	102
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7502.5	30.2	12.9	43.1	74.0	-30.9	Peak	Horizontal
	11208.5	29.5	18.8	48.3	74.0	-25.7	Peak	Horizontal
*	13843.5	29.1	22.2	51.3	68.2	-16.9	Peak	Horizontal
*	16589.0	30.7	22.4	53.1	68.2	-15.1	Peak	Horizontal
	7502.5	30.6	12.9	43.5	74.0	-30.5	Peak	Vertical
	11506.0	29.2	19.4	48.6	74.0	-25.4	Peak	Vertical
*	13758.5	29.3	22.0	51.3	68.2	-16.9	Peak	Vertical
*	16852.5	29.8	24.0	53.8	68.2	-14.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT40 - Ant 1 + 2 (CDD Mode)	Test Channel:	110
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7451.5	30.6	12.8	43.4	74.0	-30.6	Peak	Horizontal
	11506.0	29.7	19.4	49.1	74.0	-24.9	Peak	Horizontal
*	13818.0	29.1	22.2	51.3	68.2	-16.9	Peak	Horizontal
*	16623.0	29.5	22.6	52.1	68.2	-16.1	Peak	Horizontal
	7502.5	29.8	12.9	42.7	74.0	-31.3	Peak	Vertical
	11565.5	28.8	19.5	48.3	74.0	-25.7	Peak	Vertical
*	13673.5	28.4	21.9	50.3	68.2	-17.9	Peak	Vertical
*	16767.5	29.5	23.5	53.0	68.2	-15.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT40 - Ant 1 + 2 (CDD Mode)	Test Channel:	118
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7613.0	32.6	12.6	45.2	74.0	-28.8	Peak	Horizontal
	11327.5	29.6	18.9	48.5	74.0	-25.5	Peak	Horizontal
*	13758.5	29.9	22.0	51.9	68.2	-16.3	Peak	Horizontal
*	16274.5	31.2	21.0	52.2	68.2	-16.0	Peak	Horizontal
	7502.5	31.6	12.9	44.5	74.0	-29.5	Peak	Vertical
	11684.5	29.0	19.2	48.2	74.0	-25.8	Peak	Vertical
*	13860.5	29.6	22.3	51.9	68.2	-16.3	Peak	Vertical
*	16206.5	31.2	20.7	51.9	68.2	-16.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT40 - Ant 1 + 2 (CDD Mode)	Test Channel:	134
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7579.0	31.5	12.7	44.2	74.0	-29.8	Peak	Horizontal
	11557.0	29.0	19.5	48.5	74.0	-25.5	Peak	Horizontal
*	13767.0	28.5	22.0	50.5	68.2	-17.7	Peak	Horizontal
*	16538.0	29.8	22.1	51.9	68.2	-16.3	Peak	Horizontal
	7417.5	31.3	12.6	43.9	74.0	-30.1	Peak	Vertical
	11557.0	30.1	19.5	49.6	74.0	-24.4	Peak	Vertical
*	13716.0	29.5	22.0	51.5	68.2	-16.7	Peak	Vertical
*	16742.0	28.5	23.3	51.8	68.2	-16.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT40 - Ant 1 + 2 (CDD Mode)	Test Channel:	142
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7587.5	30.6	12.7	43.3	74.0	-30.7	Peak	Horizontal
	11548.5	28.9	19.5	48.4	74.0	-25.6	Peak	Horizontal
*	13979.5	29.6	22.6	52.2	68.2	-16.0	Peak	Horizontal
*	16640.0	29.7	22.7	52.4	68.2	-15.8	Peak	Horizontal
	7502.5	31.7	12.9	44.6	74.0	-29.4	Peak	Vertical
	11565.5	28.9	19.5	48.4	74.0	-25.6	Peak	Vertical
*	13809.5	28.7	22.1	50.8	68.2	-17.4	Peak	Vertical
*	16776.0	30.1	23.5	53.6	68.2	-14.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT20 - Ant 1 + 2 (CDD Mode)	Test Channel:	52
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7511.0	30.5	12.9	43.4	74.0	-30.6	Peak	Horizontal
	11633.5	28.0	19.4	47.4	74.0	-26.6	Peak	Horizontal
*	13665.0	28.7	21.9	50.6	68.2	-17.6	Peak	Horizontal
*	16521.0	29.4	22.0	51.4	68.2	-16.8	Peak	Horizontal
	7562.0	30.9	12.8	43.7	74.0	-30.3	Peak	Vertical
	11616.5	29.9	19.4	49.3	74.0	-24.7	Peak	Vertical
*	13869.0	29.9	22.3	52.2	68.2	-16.0	Peak	Vertical
*	16657.0	31.2	22.8	54.0	68.2	-14.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT20 - Ant 1 + 2 (CDD Mode)	Test Channel:	60
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7647.0	31.1	12.5	43.6	74.0	-30.4	Peak	Horizontal
	11557.0	29.8	19.5	49.3	74.0	-24.7	Peak	Horizontal
*	13750.0	29.7	22.0	51.7	68.2	-16.5	Peak	Horizontal
*	16691.0	30.6	23.0	53.6	68.2	-14.6	Peak	Horizontal
	7664.0	31.6	12.5	44.1	74.0	-29.9	Peak	Vertical
	11523.0	29.7	19.4	49.1	74.0	-24.9	Peak	Vertical
*	13486.5	29.3	21.7	51.0	68.2	-17.2	Peak	Vertical
*	16529.5	29.4	22.0	51.4	68.2	-16.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT20 - Ant 1 + 2 (CDD Mode)	Test Channel:	64
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7519.5	31.1	12.8	43.9	74.0	-30.1	Peak	Horizontal
	11123.5	27.6	18.6	46.2	74.0	-27.8	Peak	Horizontal
*	13920.0	29.0	22.4	51.4	68.2	-16.8	Peak	Horizontal
*	16580.5	30.2	22.3	52.5	68.2	-15.7	Peak	Horizontal
	7570.5	31.5	12.8	44.3	74.0	-29.7	Peak	Vertical
	11115.0	29.1	18.6	47.7	74.0	-26.3	Peak	Vertical
*	13826.5	30.5	22.2	52.7	68.2	-15.5	Peak	Vertical
*	16572.0	28.0	22.3	50.3	68.2	-17.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT20 - Ant 1 + 2 (CDD Mode)	Test Channel:	100
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7613.0	30.2	12.6	42.8	74.0	-31.2	Peak	Horizontal
	11557.0	29.5	19.5	49.0	74.0	-25.0	Peak	Horizontal
*	13979.5	28.7	22.6	51.3	68.2	-16.9	Peak	Horizontal
*	16742.0	30.5	23.3	53.8	68.2	-14.4	Peak	Horizontal
	7545.0	30.0	12.8	42.8	74.0	-31.2	Peak	Vertical
	11582.5	29.3	19.5	48.8	74.0	-25.2	Peak	Vertical
*	13758.5	28.8	22.0	50.8	68.2	-17.4	Peak	Vertical
*	16716.5	29.4	23.1	52.5	68.2	-15.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT20 - Ant 1 + 2 (CDD Mode)	Test Channel:	116
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7553.5	30.7	12.8	43.5	74.0	-30.5	Peak	Horizontal
	11574.0	29.6	19.5	49.1	74.0	-24.9	Peak	Horizontal
*	13750.0	29.5	22.0	51.5	68.2	-16.7	Peak	Horizontal
*	16691.0	30.2	23.0	53.2	68.2	-15.0	Peak	Horizontal
	7485.5	30.9	12.8	43.7	74.0	-30.3	Peak	Vertical
	11557.0	28.8	19.5	48.3	74.0	-25.7	Peak	Vertical
*	13809.5	29.1	22.1	51.2	68.2	-17.0	Peak	Vertical
*	16674.0	30.6	22.9	53.5	68.2	-14.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT20 - Ant 1 + 2 (CDD Mode)	Test Channel:	120
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7511.0	32.4	12.9	45.3	74.0	-28.7	Peak	Horizontal
	11548.5	29.6	19.5	49.1	74.0	-24.9	Peak	Horizontal
*	13869.0	30.0	22.3	52.3	68.2	-15.9	Peak	Horizontal
*	16436.0	31.8	21.6	53.4	68.2	-14.8	Peak	Horizontal
	7587.5	33.0	12.7	45.7	74.0	-28.3	Peak	Vertical
	11531.5	29.8	19.4	49.2	74.0	-24.8	Peak	Vertical
*	13792.5	29.9	22.1	52.0	68.2	-16.2	Peak	Vertical
*	16504.0	31.9	21.9	53.8	68.2	-14.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT20 - Ant 1 + 2 (CDD Mode)	Test Channel:	140
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7451.5	30.3	12.8	43.1	74.0	-30.9	Peak	Horizontal
	11565.5	31.2	19.5	50.7	74.0	-23.3	Peak	Horizontal
*	13682.0	28.0	21.9	49.9	68.2	-18.3	Peak	Horizontal
*	16580.5	29.7	22.3	52.0	68.2	-16.2	Peak	Horizontal
	7519.5	30.2	12.8	43.0	74.0	-31.0	Peak	Vertical
	11404.0	31.0	19.1	50.1	74.0	-23.9	Peak	Vertical
*	13826.5	29.3	22.2	51.5	68.2	-16.7	Peak	Vertical
*	16725.0	29.7	23.2	52.9	68.2	-15.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT20 - Ant 1 + 2 (CDD Mode)	Test Channel:	144
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7519.5	29.8	12.8	42.6	74.0	-31.4	Peak	Horizontal
	11557.0	28.6	19.5	48.1	74.0	-25.9	Peak	Horizontal
*	13716.0	28.5	22.0	50.5	68.2	-17.7	Peak	Horizontal
*	16818.5	30.0	23.8	53.8	68.2	-14.4	Peak	Horizontal
	7426.0	32.1	12.7	44.8	74.0	-29.2	Peak	Vertical
	11438.0	32.9	17.0	49.9	74.0	-24.1	Peak	Vertical
*	13818.0	29.5	22.2	51.7	68.2	-16.5	Peak	Vertical
*	16674.0	30.9	22.9	53.8	68.2	-14.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT40 - Ant 1 + 2 (CDD Mode)	Test Channel:	54
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7562.0	30.1	12.8	42.9	74.0	-31.1	Peak	Horizontal
	11616.5	29.9	19.4	49.3	74.0	-24.7	Peak	Horizontal
*	13869.0	28.9	22.3	51.2	68.2	-17.0	Peak	Horizontal
*	16589.0	30.1	22.4	52.5	68.2	-15.7	Peak	Horizontal
	7460.0	31.0	12.8	43.8	74.0	-30.2	Peak	Vertical
	11497.5	28.6	19.4	48.0	74.0	-26.0	Peak	Vertical
*	13852.0	29.5	22.3	51.8	68.2	-16.4	Peak	Vertical
*	16614.5	30.6	22.5	53.1	68.2	-15.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT40 - Ant 1 + 2 (CDD Mode)	Test Channel:	62
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7562.0	30.6	12.8	43.4	74.0	-30.6	Peak	Horizontal
	11540.0	28.9	19.4	48.3	74.0	-25.7	Peak	Horizontal
*	13818.0	29.5	22.2	51.7	68.2	-16.5	Peak	Horizontal
*	16776.0	29.7	23.5	53.2	68.2	-15.0	Peak	Horizontal
	7528.0	30.5	12.8	43.3	74.0	-30.7	Peak	Vertical
	11557.0	29.0	19.5	48.5	74.0	-25.5	Peak	Vertical
*	13869.0	30.2	22.3	52.5	68.2	-15.7	Peak	Vertical
*	16623.0	30.7	22.6	53.3	68.2	-14.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT40 - Ant 1 + 2 (CDD Mode)	Test Channel:	102
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7587.5	30.7	12.7	43.4	74.0	-30.6	Peak	Horizontal
	11582.5	28.5	19.5	48.0	74.0	-26.0	Peak	Horizontal
*	13775.5	29.4	22.1	51.5	68.2	-16.7	Peak	Horizontal
*	16861.0	29.8	24.0	53.8	68.2	-14.4	Peak	Horizontal
	7647.0	31.0	12.5	43.5	74.0	-30.5	Peak	Vertical
	11599.5	29.2	19.5	48.7	74.0	-25.3	Peak	Vertical
*	13886.0	28.9	22.3	51.2	68.2	-17.0	Peak	Vertical
*	16716.5	29.9	23.1	53.0	68.2	-15.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT40 - Ant 1 + 2 (CDD Mode)	Test Channel:	110
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7638.5	30.8	12.6	43.4	74.0	-30.6	Peak	Horizontal
	11633.5	28.5	19.4	47.9	74.0	-26.1	Peak	Horizontal
*	13724.5	28.9	22.0	50.9	68.2	-17.3	Peak	Horizontal
*	16589.0	30.6	22.4	53.0	68.2	-15.2	Peak	Horizontal
	7468.5	30.8	12.8	43.6	74.0	-30.4	Peak	Vertical
	11548.5	28.6	19.5	48.1	74.0	-25.9	Peak	Vertical
*	13826.5	30.0	22.2	52.2	68.2	-16.0	Peak	Vertical
*	16529.5	30.1	22.0	52.1	68.2	-16.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT40 - Ant 1 + 2 (CDD Mode)	Test Channel:	118
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7392.0	30.4	12.6	43.0	74.0	-31.0	Peak	Horizontal
	11548.5	28.9	19.4	48.3	74.0	-25.7	Peak	Horizontal
*	13979.5	29.6	22.6	52.2	68.2	-16.0	Peak	Horizontal
*	16470.0	29.6	21.7	51.3	68.2	-16.9	Peak	Horizontal
	7502.5	31.7	12.8	44.5	74.0	-29.5	Peak	Vertical
	11089.5	28.0	18.6	46.6	74.0	-27.4	Peak	Vertical
*	13928.5	27.7	22.4	50.1	68.2	-18.1	Peak	Vertical
*	17099.0	27.0	24.8	51.8	68.2	-16.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT40 - Ant 1 + 2 (CDD Mode)	Test Channel:	134
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7502.5	30.0	12.9	42.9	74.0	-31.1	Peak	Horizontal
	11667.5	29.0	19.3	48.3	74.0	-25.7	Peak	Horizontal
*	13767.0	29.2	22.0	51.2	68.2	-17.0	Peak	Horizontal
*	16759.0	29.6	23.4	53.0	68.2	-15.2	Peak	Horizontal
	7562.0	30.9	12.8	43.7	74.0	-30.3	Peak	Vertical
	11667.5	29.1	19.3	48.4	74.0	-25.6	Peak	Vertical
*	13520.5	28.0	21.8	49.8	68.2	-18.4	Peak	Vertical
*	16827.0	29.7	23.9	53.6	68.2	-14.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT40 - Ant 1 + 2 (CDD Mode)	Test Channel:	142
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7562.0	30.3	12.8	43.1	74.0	-30.9	Peak	Horizontal
	11565.5	28.9	19.5	48.4	74.0	-25.6	Peak	Horizontal
*	13716.0	28.5	22.0	50.5	68.2	-17.7	Peak	Horizontal
*	16623.0	30.0	22.6	52.6	68.2	-15.6	Peak	Horizontal
	7579.0	30.5	12.7	43.2	74.0	-30.8	Peak	Vertical
	11472.0	29.3	19.3	48.6	74.0	-25.4	Peak	Vertical
*	13767.0	29.2	22.0	51.2	68.2	-17.0	Peak	Vertical
*	16572.0	29.7	22.3	52.0	68.2	-16.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT80 - Ant 1 + 2 (CDD Mode)	Test Channel:	58
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7536.5	31.0	12.8	43.8	74.0	-30.2	Peak	Horizontal
	11633.5	29.7	19.4	49.1	74.0	-24.9	Peak	Horizontal
*	13792.5	29.0	22.1	51.1	68.2	-17.1	Peak	Horizontal
*	16784.5	30.1	23.6	53.7	68.2	-14.5	Peak	Horizontal
	7553.5	30.5	12.8	43.3	74.0	-30.7	Peak	Vertical
	11514.5	29.7	19.4	49.1	74.0	-24.9	Peak	Vertical
*	13775.5	29.2	22.1	51.3	68.2	-16.9	Peak	Vertical
*	16538.0	31.2	22.1	53.3	68.2	-14.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT80 - Ant 1 + 2 (CDD Mode)	Test Channel:	106
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7647.0	30.4	12.5	42.9	74.0	-31.1	Peak	Horizontal
	11259.5	29.3	18.8	48.1	74.0	-25.9	Peak	Horizontal
*	13767.0	28.9	22.0	50.9	68.2	-17.3	Peak	Horizontal
*	16810.0	29.4	23.8	53.2	68.2	-15.0	Peak	Horizontal
	7647.0	31.0	12.5	43.5	74.0	-30.5	Peak	Vertical
	11412.5	28.2	19.1	47.3	74.0	-26.7	Peak	Vertical
*	13605.5	29.3	21.8	51.1	68.2	-17.1	Peak	Vertical
*	16623.0	30.1	22.6	52.7	68.2	-15.5	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT80 - Ant 1 + 2 (CDD Mode)	Test Channel:	122
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7528.0	30.4	12.8	43.2	74.0	-30.8	Peak	Horizontal
	11565.5	28.8	19.5	48.3	74.0	-25.7	Peak	Horizontal
*	13758.5	29.4	22.0	51.4	68.2	-16.8	Peak	Horizontal
*	16886.5	29.8	24.1	53.9	68.2	-14.3	Peak	Horizontal
	7553.5	31.8	12.8	44.6	74.0	-29.4	Peak	Vertical
	11531.5	29.5	19.4	48.9	74.0	-25.1	Peak	Vertical
*	13792.5	29.3	22.1	51.4	68.2	-16.8	Peak	Vertical
*	16691.0	30.2	23.0	53.2	68.2	-15.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT80 - Ant 1 + 2 (CDD Mode)	Test Channel:	138
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7553.5	30.2	12.8	43.0	74.0	-31.0	Peak	Horizontal
	11565.5	28.6	19.5	48.1	74.0	-25.9	Peak	Horizontal
*	13818.0	29.2	22.2	51.4	68.2	-16.8	Peak	Horizontal
*	16538.0	30.9	22.1	53.0	68.2	-15.2	Peak	Horizontal
	7647.0	31.1	12.5	43.6	74.0	-30.4	Peak	Vertical
	11208.5	30.1	18.8	48.9	74.0	-25.1	Peak	Vertical
*	14073.0	30.3	22.8	53.1	68.2	-15.1	Peak	Vertical
*	16563.5	30.2	22.2	52.4	68.2	-15.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT20 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	52
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7137.0	32.4	11.7	44.1	68.2	-24.1	Peak	Horizontal
*	7842.5	32.5	12.4	44.9	68.2	-23.3	Peak	Horizontal
	9126.0	32.1	14.6	46.7	74.0	-27.3	Peak	Horizontal
	11616.5	31.3	19.4	50.7	74.0	-23.3	Peak	Horizontal
*	7086.0	32.0	11.3	43.3	68.2	-24.9	Peak	Vertical
*	7902.0	31.5	12.4	43.9	68.2	-24.3	Peak	Vertical
	9092.0	33.9	14.4	48.3	74.0	-25.7	Peak	Vertical
	11591.0	31.5	19.5	51.0	74.0	-23.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT20 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	60
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7086.0	32.0	11.3	43.3	68.2	-24.9	Peak	Horizontal
*	7902.0	31.5	12.4	43.9	68.2	-24.3	Peak	Horizontal
	9092.0	33.9	14.4	48.3	74.0	-25.7	Peak	Horizontal
	11591.0	31.5	19.5	51.0	74.0	-23.0	Peak	Horizontal
*	7154.0	31.7	11.9	43.6	68.2	-24.6	Peak	Vertical
*	9151.5	31.7	14.7	46.4	68.2	-21.8	Peak	Vertical
	9151.5	31.7	14.7	46.4	74.0	-27.6	Peak	Vertical
	12058.5	31.8	18.8	50.6	74.0	-23.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT20 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	64
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7120.0	32.5	11.6	44.1	68.2	-24.1	Peak	Horizontal
*	7825.5	31.9	12.4	44.3	68.2	-23.9	Peak	Horizontal
	9151.5	31.1	14.7	45.8	74.0	-28.2	Peak	Horizontal
	11633.5	30.4	19.4	49.8	74.0	-24.2	Peak	Horizontal
*	7094.5	32.1	11.4	43.5	68.2	-24.7	Peak	Vertical
*	7885.0	32.0	12.4	44.4	68.2	-23.8	Peak	Vertical
	9092.0	31.4	14.4	45.8	74.0	-28.2	Peak	Vertical
	11642.0	31.0	19.4	50.4	74.0	-23.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT20 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	100
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7120.0	32.7	11.6	44.3	68.2	-23.9	Peak	Horizontal
*	7902.0	32.5	12.4	44.9	68.2	-23.3	Peak	Horizontal
	9160.0	31.9	14.7	46.6	74.0	-27.4	Peak	Horizontal
	11557.0	31.4	19.5	50.9	74.0	-23.1	Peak	Horizontal
*	7120.0	32.3	11.6	43.9	68.2	-24.3	Peak	Vertical
*	7783.0	31.6	12.4	44.0	68.2	-24.2	Peak	Vertical
	9185.5	32.1	14.7	46.8	74.0	-27.2	Peak	Vertical
	12347.5	32.5	18.4	50.9	74.0	-23.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT20 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	116
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7154.0	31.8	11.9	43.7	68.2	-24.5	Peak	Horizontal
*	7757.5	34.3	12.4	46.7	68.2	-21.5	Peak	Horizontal
	9185.5	31.5	14.7	46.2	74.0	-27.8	Peak	Horizontal
	11642.0	31.4	19.4	50.8	74.0	-23.2	Peak	Horizontal
*	7086.0	32.4	11.3	43.7	68.2	-24.5	Peak	Vertical
*	7825.5	32.3	12.4	44.7	68.2	-23.5	Peak	Vertical
	9134.5	32.2	14.6	46.8	74.0	-27.2	Peak	Vertical
	11463.5	31.0	19.3	50.3	74.0	-23.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT20 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	120
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7137.0	33.5	11.7	45.2	68.2	-23.0	Peak	Horizontal
*	7783.0	32.8	12.4	45.2	68.2	-23.0	Peak	Horizontal
	9185.5	31.7	14.7	46.4	74.0	-27.6	Peak	Horizontal
	11514.5	31.0	19.4	50.4	74.0	-23.6	Peak	Horizontal
*	7162.5	31.8	11.9	43.7	68.2	-24.5	Peak	Vertical
*	7953.0	32.2	12.5	44.7	68.2	-23.5	Peak	Vertical
	9117.5	32.5	14.5	47.0	74.0	-27.0	Peak	Vertical
	11616.5	30.7	19.4	50.1	74.0	-23.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT20 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	140
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7145.5	32.6	11.8	44.4	68.2	-23.8	Peak	Horizontal
*	7842.5	33.4	12.4	45.8	68.2	-22.4	Peak	Horizontal
	9100.5	32.2	14.4	46.6	74.0	-27.4	Peak	Horizontal
	11429.5	31.0	19.2	50.2	74.0	-23.8	Peak	Horizontal
*	7120.0	32.3	11.6	43.9	68.2	-24.3	Peak	Vertical
*	7774.5	32.5	12.4	44.9	68.2	-23.3	Peak	Vertical
	9143.0	31.4	14.6	46.0	74.0	-28.0	Peak	Vertical
	11616.5	30.7	19.4	50.1	74.0	-23.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT20 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	144
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7154.0	32.8	11.9	44.7	68.2	-23.5	Peak	Horizontal
*	7800.0	33.1	12.4	45.5	68.2	-22.7	Peak	Horizontal
	9109.0	31.8	14.5	46.3	74.0	-27.7	Peak	Horizontal
	12135.0	31.9	18.9	50.8	74.0	-23.2	Peak	Horizontal
*	7196.5	32.2	12.1	44.3	68.2	-23.9	Peak	Vertical
*	7825.5	31.9	12.4	44.3	68.2	-23.9	Peak	Vertical
	9100.5	31.9	14.4	46.3	74.0	-27.7	Peak	Vertical
	11557.0	31.1	19.5	50.6	74.0	-23.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT40 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	54
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7120.0	33.1	11.6	44.7	68.2	-23.5	Peak	Horizontal
*	7902.0	32.7	12.4	45.1	68.2	-23.1	Peak	Horizontal
	9100.5	31.8	14.4	46.2	74.0	-27.8	Peak	Horizontal
	11778.0	31.4	18.8	50.2	74.0	-23.8	Peak	Horizontal
*	7171.0	33.3	11.9	45.2	68.2	-23.0	Peak	Vertical
*	7774.5	32.8	12.4	45.2	68.2	-23.0	Peak	Vertical
	9105.2	30.4	14.4	44.8	74.0	-29.2	Peak	Vertical
	11956.5	31.8	18.6	50.4	74.0	-23.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT40 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	62
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7137.0	32.3	11.7	44.0	68.2	-24.2	Peak	Horizontal
*	7885.0	32.0	12.4	44.4	68.2	-23.8	Peak	Horizontal
	9083.5	31.5	14.4	45.9	74.0	-28.1	Peak	Horizontal
	11472.0	30.9	19.3	50.2	74.0	-23.8	Peak	Horizontal
*	7111.5	31.2	11.5	42.7	68.2	-25.5	Peak	Vertical
*	7876.5	32.3	12.4	44.7	68.2	-23.5	Peak	Vertical
	9049.5	31.7	14.2	45.9	74.0	-28.1	Peak	Vertical
	11438.0	30.7	19.2	49.9	74.0	-24.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT40 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	102
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7043.5	32.9	11.0	43.9	68.2	-24.3	Peak	Horizontal
*	7893.5	32.3	12.4	44.7	68.2	-23.5	Peak	Horizontal
	9194.0	32.2	14.7	46.9	74.0	-27.1	Peak	Horizontal
	11616.5	31.2	19.4	50.6	74.0	-23.4	Peak	Horizontal
*	7077.5	32.7	11.3	44.0	68.2	-24.2	Peak	Vertical
*	7936.0	32.1	12.4	44.5	68.2	-23.7	Peak	Vertical
	9058.0	32.0	14.2	46.2	74.0	-27.8	Peak	Vertical
	11608.0	31.6	19.4	51.0	74.0	-23.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT40 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	110
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7094.5	32.3	11.4	43.7	68.2	-24.5	Peak	Horizontal
*	7936.0	32.5	12.4	44.9	68.2	-23.3	Peak	Horizontal
	9168.5	32.9	14.7	47.6	74.0	-26.4	Peak	Horizontal
	11404.0	31.3	19.1	50.4	74.0	-23.6	Peak	Horizontal
*	7137.0	32.4	11.7	44.1	68.2	-24.1	Peak	Vertical
*	7783.0	32.9	12.4	45.3	68.2	-22.9	Peak	Vertical
	9112.2	31.4	14.5	45.9	74.0	-28.1	Peak	Vertical
	11429.5	31.2	19.2	50.4	74.0	-23.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT40 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	118
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7103.0	32.3	11.5	43.8	68.2	-24.4	Peak	Horizontal
*	7893.5	32.6	12.4	45.0	68.2	-23.2	Peak	Horizontal
	9092.0	31.6	14.4	46.0	74.0	-28.0	Peak	Horizontal
	11650.5	32.0	19.3	51.3	74.0	-22.7	Peak	Horizontal
*	7196.5	32.3	12.1	44.4	68.2	-23.8	Peak	Vertical
*	7859.5	32.6	12.4	45.0	68.2	-23.2	Peak	Vertical
	9134.5	32.1	14.6	46.7	74.0	-27.3	Peak	Vertical
	11599.5	31.4	19.4	50.8	74.0	-23.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT40 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	134
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7043.5	32.7	11.0	43.7	68.2	-24.5	Peak	Horizontal
*	7868.0	32.0	12.4	44.4	68.2	-23.8	Peak	Horizontal
	10911.0	31.4	18.4	49.8	74.0	-24.2	Peak	Horizontal
	11693.0	31.6	19.2	50.8	74.0	-23.2	Peak	Horizontal
*	7094.5	32.4	11.4	43.8	68.2	-24.4	Peak	Vertical
*	7842.5	31.0	12.4	43.4	68.2	-24.8	Peak	Vertical
	10979.0	31.6	18.5	50.1	74.0	-23.9	Peak	Vertical
	11557.0	31.3	19.5	50.8	74.0	-23.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT40 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	142
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7137.0	31.8	11.7	43.5	68.2	-24.7	Peak	Horizontal
*	7851.0	31.0	12.4	43.4	68.2	-24.8	Peak	Horizontal
	11038.5	29.9	18.5	48.4	74.0	-25.6	Peak	Horizontal
	11633.5	30.6	19.4	50.0	74.0	-24.0	Peak	Horizontal
*	7077.5	31.9	11.3	43.2	68.2	-25.0	Peak	Vertical
*	7919.0	31.0	12.4	43.4	68.2	-24.8	Peak	Vertical
	10647.5	29.9	17.4	47.3	74.0	-26.7	Peak	Vertical
	11854.5	29.1	18.7	47.8	74.0	-26.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11ac-VHT20 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	52
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7205.0	31.6	12.1	43.7	68.2	-24.5	Peak	Horizontal
*	7851.0	30.8	12.4	43.2	68.2	-25.0	Peak	Horizontal
	11191.5	28.6	18.7	47.3	74.0	-26.7	Peak	Horizontal
	12220.0	29.4	18.7	48.1	74.0	-25.9	Peak	Horizontal
*	7111.5	31.4	11.5	42.9	68.2	-25.3	Peak	Vertical
*	7791.5	32.9	12.4	45.3	68.2	-22.9	Peak	Vertical
	10826.0	31.6	18.0	49.6	74.0	-24.4	Peak	Vertical
	11557.0	31.5	19.5	51.0	74.0	-23.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11ac-VHT20 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	60
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7094.5	32.3	11.4	43.7	68.2	-24.5	Peak	Horizontal
*	7851.0	33.1	12.4	45.5	68.2	-22.7	Peak	Horizontal
	9092.0	32.1	14.4	46.5	74.0	-27.5	Peak	Horizontal
	11429.5	31.0	19.2	50.2	74.0	-23.8	Peak	Horizontal
*	7026.5	31.1	10.8	41.9	68.2	-26.3	Peak	Vertical
*	7910.5	30.5	12.4	42.9	68.2	-25.3	Peak	Vertical
	10800.5	31.6	17.9	49.5	74.0	-24.5	Peak	Vertical
	11421.0	31.4	19.1	50.5	74.0	-23.5	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11ac-VHT20 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	64
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7128.5	31.7	11.7	43.4	68.2	-24.8	Peak	Horizontal
*	7851.0	32.8	12.4	45.2	68.2	-23.0	Peak	Horizontal
	11106.5	31.5	18.6	50.1	74.0	-23.9	Peak	Horizontal
	11574.0	31.1	19.5	50.6	74.0	-23.4	Peak	Horizontal
*	7077.5	31.9	11.3	43.2	68.2	-25.0	Peak	Vertical
*	7808.5	31.8	12.4	44.2	68.2	-24.0	Peak	Vertical
	11497.5	31.4	19.3	50.7	74.0	-23.3	Peak	Vertical
	12585.5	31.6	18.7	50.3	74.0	-23.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11ac-VHT20 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	100
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7137.0	32.2	11.7	43.9	68.2	-24.3	Peak	Horizontal
*	7834.0	33.2	12.4	45.6	68.2	-22.6	Peak	Horizontal
	11038.5	31.5	18.5	50.0	74.0	-24.0	Peak	Horizontal
	12109.5	31.7	18.9	50.6	74.0	-23.4	Peak	Horizontal
*	7043.5	32.9	11.0	43.9	68.2	-24.3	Peak	Vertical
*	7774.5	33.4	12.4	45.8	68.2	-22.4	Peak	Vertical
	11548.5	31.1	19.4	50.5	74.0	-23.5	Peak	Vertical
	12441.0	31.9	18.4	50.3	74.0	-23.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11ac-VHT20 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	116
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7120.0	32.3	11.6	43.9	68.2	-24.3	Peak	Horizontal
*	7783.0	33.1	12.4	45.5	68.2	-22.7	Peak	Horizontal
	11421.0	31.3	19.1	50.4	74.0	-23.6	Peak	Horizontal
	12628.0	30.9	18.7	49.6	74.0	-24.4	Peak	Horizontal
*	7145.5	31.9	11.8	43.7	68.2	-24.5	Peak	Vertical
*	7902.0	30.8	12.4	43.2	68.2	-25.0	Peak	Vertical
	11183.0	28.8	18.7	47.5	74.0	-26.5	Peak	Vertical
	12356.0	29.4	18.4	47.8	74.0	-26.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11ac-VHT20 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	120
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7137.0	31.8	11.7	43.5	68.2	-24.7	Peak	Horizontal
*	7808.5	31.1	12.4	43.5	68.2	-24.7	Peak	Horizontal
	11642.0	31.5	19.4	50.9	74.0	-23.1	Peak	Horizontal
	12143.5	30.9	18.9	49.8	74.0	-24.2	Peak	Horizontal
*	7179.5	32.8	12.0	44.8	68.2	-23.4	Peak	Vertical
*	8004.0	32.8	12.5	45.3	68.2	-22.9	Peak	Vertical
	10758.0	31.8	17.7	49.5	74.0	-24.5	Peak	Vertical
	12143.5	31.6	18.9	50.5	74.0	-23.5	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11ac-VHT20 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	140
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7145.5	32.8	11.8	44.6	68.2	-23.6	Peak	Horizontal
*	7876.5	31.5	12.4	43.9	68.2	-24.3	Peak	Horizontal
	11395.5	31.5	19.1	50.6	74.0	-23.4	Peak	Horizontal
	12662.0	29.9	18.7	48.6	74.0	-25.4	Peak	Horizontal
*	7128.5	32.7	11.7	44.4	68.2	-23.8	Peak	Vertical
*	7953.0	32.4	12.5	44.9	68.2	-23.3	Peak	Vertical
	11081.0	31.2	18.6	49.8	74.0	-24.2	Peak	Vertical
	12118.0	31.9	18.9	50.8	74.0	-23.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11ac-VHT20 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	144
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7111.5	32.8	11.5	44.3	68.2	-23.9	Peak	Horizontal
*	7919.0	31.8	12.4	44.2	68.2	-24.0	Peak	Horizontal
	11098.0	31.8	18.6	50.4	74.0	-23.6	Peak	Horizontal
	12067.0	32.0	18.8	50.8	74.0	-23.2	Peak	Horizontal
*	7230.5	32.9	12.2	45.1	68.2	-23.1	Peak	Vertical
*	7808.5	32.5	12.4	44.9	68.2	-23.3	Peak	Vertical
	9143.0	32.1	14.6	46.7	74.0	-27.3	Peak	Vertical
	11659.0	31.3	19.3	50.6	74.0	-23.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11ac-VHT40 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	54
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7094.5	32.3	11.4	43.7	68.2	-24.5	Peak	Horizontal
*	7910.5	31.5	12.4	43.9	68.2	-24.3	Peak	Horizontal
	9032.5	32.8	14.2	47.0	74.0	-27.0	Peak	Horizontal
	11582.5	30.8	19.5	50.3	74.0	-23.7	Peak	Horizontal
*	7111.5	31.9	11.5	43.4	68.2	-24.8	Peak	Vertical
*	7876.5	31.9	12.4	44.3	68.2	-23.9	Peak	Vertical
	9143.0	33.1	14.6	47.7	74.0	-26.3	Peak	Vertical
	11616.5	31.4	19.4	50.8	74.0	-23.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11ac-VHT40 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	52
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7162.5	32.1	11.9	44.0	68.2	-24.2	Peak	Horizontal
*	8021.0	32.0	12.5	44.5	68.2	-23.7	Peak	Horizontal
	11064.0	31.0	18.5	49.5	74.0	-24.5	Peak	Horizontal
	11633.5	30.9	19.4	50.3	74.0	-23.7	Peak	Horizontal
*	7077.5	32.2	11.3	43.5	68.2	-24.7	Peak	Vertical
*	7834.0	32.8	12.4	45.2	68.2	-23.0	Peak	Vertical
	10834.5	32.0	18.1	50.1	74.0	-23.9	Peak	Vertical
	11565.5	31.0	19.5	50.5	74.0	-23.5	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11ac-VHT40 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	102
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7120.0	32.3	11.6	43.9	68.2	-24.3	Peak	Horizontal
*	7944.5	32.7	12.5	45.2	68.2	-23.0	Peak	Horizontal
	11395.5	30.9	19.1	50.0	74.0	-24.0	Peak	Horizontal
	12177.5	32.3	18.8	51.1	74.0	-22.9	Peak	Horizontal
*	7094.5	32.7	11.4	44.1	68.2	-24.1	Peak	Vertical
*	8709.5	32.4	13.8	46.2	68.2	-22.0	Peak	Vertical
	11565.5	31.2	19.5	50.7	74.0	-23.3	Peak	Vertical
	12415.5	31.5	18.4	49.9	74.0	-24.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11ac-VHT40 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	110
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7137.0	32.3	11.7	44.0	68.2	-24.2	Peak	Horizontal
*	8896.5	32.0	14.0	46.0	68.2	-22.2	Peak	Horizontal
	11115.0	31.2	18.6	49.8	74.0	-24.2	Peak	Horizontal
	11489.0	30.8	19.3	50.1	74.0	-23.9	Peak	Horizontal
*	7094.5	32.7	11.4	44.1	68.2	-24.1	Peak	Vertical
*	8837.0	31.8	14.0	45.8	68.2	-22.4	Peak	Vertical
	11616.5	31.5	19.4	50.9	74.0	-23.1	Peak	Vertical
	12364.5	31.5	18.4	49.9	74.0	-24.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11ac-VHT40 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	118
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7018.0	32.9	10.7	43.6	68.2	-24.6	Peak	Horizontal
*	8811.5	31.9	14.0	45.9	68.2	-22.3	Peak	Horizontal
	10664.5	32.1	17.4	49.5	74.0	-24.5	Peak	Horizontal
	11489.0	32.2	19.3	51.5	74.0	-22.5	Peak	Horizontal
*	7137.0	33.0	11.7	44.7	68.2	-23.5	Peak	Vertical
*	8616.0	32.8	13.5	46.3	68.2	-21.9	Peak	Vertical
	10775.0	31.5	17.8	49.3	74.0	-24.7	Peak	Vertical
	11523.0	31.2	19.4	50.6	74.0	-23.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11ac-VHT40 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	134
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7018.0	32.9	10.7	43.6	68.2	-24.6	Peak	Horizontal
*	8811.5	31.9	14.0	45.9	68.2	-22.3	Peak	Horizontal
	10664.5	32.1	17.4	49.5	74.0	-24.5	Peak	Horizontal
	11489.0	32.2	19.3	51.5	74.0	-22.5	Peak	Horizontal
*	7137.0	33.0	11.7	44.7	68.2	-23.5	Peak	Vertical
*	8616.0	32.8	13.5	46.3	68.2	-21.9	Peak	Vertical
	10775.0	31.5	17.8	49.3	74.0	-24.7	Peak	Vertical
	11523.0	31.2	19.4	50.6	74.0	-23.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11ac-VHT40 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	142
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7137.0	32.6	11.7	44.3	68.2	-23.9	Peak	Horizontal
*	8854.0	31.0	14.0	45.0	68.2	-23.2	Peak	Horizontal
	10885.5	32.4	18.3	50.7	74.0	-23.3	Peak	Horizontal
	11667.5	30.9	19.3	50.2	74.0	-23.8	Peak	Horizontal
*	7094.5	32.0	11.4	43.4	68.2	-24.8	Peak	Vertical
*	7885.0	32.0	12.4	44.4	68.2	-23.8	Peak	Vertical
	11540.0	30.7	19.4	50.1	74.0	-23.9	Peak	Vertical
	12092.5	31.8	18.9	50.7	74.0	-23.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11ac-VHT80 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	58
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7171.0	32.6	11.9	44.5	68.2	-23.7	Peak	Horizontal
*	8794.5	30.9	13.9	44.8	68.2	-23.4	Peak	Horizontal
	11030.0	31.2	18.5	49.7	74.0	-24.3	Peak	Horizontal
	12075.5	31.6	18.9	50.5	74.0	-23.5	Peak	Horizontal
*	7137.0	33.2	11.7	44.9	68.2	-23.3	Peak	Vertical
*	8012.5	32.7	12.5	45.2	68.2	-23.0	Peak	Vertical
	11013.0	31.4	18.5	49.9	74.0	-24.1	Peak	Vertical
	12084.0	31.8	18.9	50.7	74.0	-23.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11ac-VHT80 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	106
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7128.5	32.7	11.7	44.4	68.2	-23.8	Peak	Horizontal
*	8922.0	32.2	14.0	46.2	68.2	-22.0	Peak	Horizontal
	10792.0	32.3	17.9	50.2	74.0	-23.8	Peak	Horizontal
	11574.0	31.3	19.5	50.8	74.0	-23.2	Peak	Horizontal
*	7026.5	32.7	10.8	43.5	68.2	-24.7	Peak	Vertical
*	8820.0	31.2	14.0	45.2	68.2	-23.0	Peak	Vertical
	10902.5	31.7	18.3	50.0	74.0	-24.0	Peak	Vertical
	11591.0	31.3	19.5	50.8	74.0	-23.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11ac-VHT80 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	122
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7196.5	33.2	12.1	45.3	68.2	-22.9	Peak	Horizontal
*	8862.5	31.5	14.0	45.5	68.2	-22.7	Peak	Horizontal
	11030.0	31.8	18.5	50.3	74.0	-23.7	Peak	Horizontal
	12050.0	31.4	18.8	50.2	74.0	-23.8	Peak	Horizontal
*	7179.5	32.8	12.0	44.8	68.2	-23.4	Peak	Vertical
*	8777.5	30.7	13.9	44.6	68.2	-23.6	Peak	Vertical
	11064.0	31.4	18.5	49.9	74.0	-24.1	Peak	Vertical
	11633.5	31.5	19.4	50.9	74.0	-23.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD external antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11ac-VHT80 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	138
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7120.0	32.3	11.6	43.9	68.2	-24.3	Peak	Horizontal
*	8811.5	31.0	14.0	45.0	68.2	-23.2	Peak	Horizontal
	10919.5	32.5	18.4	50.9	74.0	-23.1	Peak	Horizontal
	11625.0	31.2	19.4	50.6	74.0	-23.4	Peak	Horizontal
*	7137.0	32.8	11.7	44.5	68.2	-23.7	Peak	Vertical
*	8811.5	31.1	14.0	45.1	68.2	-23.1	Peak	Vertical
	11089.5	30.9	18.6	49.5	74.0	-24.5	Peak	Vertical
	11591.0	30.7	19.5	50.2	74.0	-23.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11a - Ant 1	Test Channel:	52
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7485.5	31.2	12.8	44.0	74.0	-30.0	Peak	Horizontal
	8310.0	30.7	11.9	42.6	74.0	-31.4	Peak	Horizontal
*	9636.0	31.4	14.4	45.8	68.2	-22.4	Peak	Horizontal
*	12747.0	28.7	18.9	47.6	68.2	-20.6	Peak	Horizontal
	7545.0	30.8	12.8	43.6	74.0	-30.4	Peak	Vertical
	8471.5	30.1	12.6	42.7	74.0	-31.3	Peak	Vertical
*	9695.5	31.5	14.6	46.1	68.2	-22.1	Peak	Vertical
*	13010.5	29.3	19.9	49.2	68.2	-19.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11a - Ant 1	Test Channel:	60
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7264.5	30.6	12.3	42.9	74.0	-31.1	Peak	Horizontal
	8480.0	29.8	12.7	42.5	74.0	-31.5	Peak	Horizontal
*	9627.5	30.3	14.4	44.7	68.2	-23.5	Peak	Horizontal
*	12908.5	28.5	19.5	48.0	68.2	-20.2	Peak	Horizontal
	7536.5	30.4	12.8	43.2	74.0	-30.8	Peak	Vertical
	8480.0	30.4	12.7	43.1	74.0	-30.9	Peak	Vertical
*	9619.0	30.4	14.4	44.8	68.2	-23.4	Peak	Vertical
*	13061.5	28.2	20.0	48.2	68.2	-20.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11a - Ant 1	Test Channel:	64
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7451.5	30.8	12.8	43.6	74.0	-30.4	Peak	Horizontal
	8480.0	30.4	12.7	43.1	74.0	-30.9	Peak	Horizontal
*	9670.0	30.4	14.5	44.9	68.2	-23.3	Peak	Horizontal
*	13070.0	28.6	20.0	48.6	68.2	-19.6	Peak	Horizontal
	7664.0	31.1	12.5	43.6	74.0	-30.4	Peak	Vertical
	8471.5	30.9	12.6	43.5	74.0	-30.5	Peak	Vertical
*	9874.0	29.8	15.8	45.6	68.2	-22.6	Peak	Vertical
*	12883.0	29.2	19.4	48.6	68.2	-19.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11a - Ant 1	Test Channel:	100
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7468.5	29.8	12.8	42.6	74.0	-31.4	Peak	Horizontal
	8480.0	30.5	12.7	43.2	74.0	-30.8	Peak	Horizontal
*	9559.5	30.1	14.4	44.5	68.2	-23.7	Peak	Horizontal
*	13155.0	28.8	20.1	48.9	68.2	-19.3	Peak	Horizontal
	7443.0	31.3	12.7	44.0	74.0	-30.0	Peak	Vertical
	8242.0	28.9	11.9	40.8	74.0	-33.2	Peak	Vertical
*	9296.0	30.2	14.7	44.9	68.2	-23.3	Peak	Vertical
*	10129.0	30.8	15.9	46.7	68.2	-21.5	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11a - Ant 1	Test Channel:	116
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7613.0	30.6	12.6	43.2	74.0	-30.8	Peak	Horizontal
	8471.5	30.1	12.6	42.7	74.0	-31.3	Peak	Horizontal
*	10001.5	30.5	15.4	45.9	68.2	-22.3	Peak	Horizontal
*	13010.5	27.7	19.9	47.6	68.2	-20.6	Peak	Horizontal
	7511.0	30.6	12.9	43.5	74.0	-30.5	Peak	Vertical
	8446.0	30.2	12.5	42.7	74.0	-31.3	Peak	Vertical
*	9755.0	30.3	14.8	45.1	68.2	-23.1	Peak	Vertical
*	12908.5	28.1	19.5	47.6	68.2	-20.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11a - Ant 1	Test Channel:	120
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7562.0	30.8	12.8	43.6	74.0	-30.4	Peak	Horizontal
	8403.5	30.5	12.2	42.7	74.0	-31.3	Peak	Horizontal
*	10392.5	30.1	16.9	47.0	68.2	-21.2	Peak	Horizontal
*	12789.5	28.5	19.1	47.6	68.2	-20.6	Peak	Horizontal
	7409.0	31.9	12.6	44.5	74.0	-29.5	Peak	Vertical
	8157.0	31.1	12.1	43.2	74.0	-30.8	Peak	Vertical
*	9219.5	29.8	14.8	44.6	68.2	-23.6	Peak	Vertical
*	10596.5	30.7	17.3	48.0	68.2	-20.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11a - Ant 1	Test Channel:	140
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7519.5	30.2	12.8	43.0	74.0	-31.0	Peak	Horizontal
	8480.0	30.1	12.7	42.8	74.0	-31.2	Peak	Horizontal
*	9534.0	30.3	14.4	44.7	68.2	-23.5	Peak	Horizontal
*	12730.0	28.5	18.8	47.3	68.2	-20.9	Peak	Horizontal
	7511.0	30.9	12.9	43.8	74.0	-30.2	Peak	Vertical
	8310.0	29.1	11.9	41.0	74.0	-33.0	Peak	Vertical
*	9287.5	29.4	14.7	44.1	68.2	-24.1	Peak	Vertical
*	10299.0	30.8	16.6	47.4	68.2	-20.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11a - Ant 1	Test Channel:	144
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7451.5	30.3	12.8	43.1	74.0	-30.9	Peak	Horizontal
	8165.5	30.3	12.1	42.4	74.0	-31.6	Peak	Horizontal
*	9576.5	30.4	14.4	44.8	68.2	-23.4	Peak	Horizontal
*	12908.5	28.6	19.5	48.1	68.2	-20.1	Peak	Horizontal
	7613.0	31.2	12.6	43.8	74.0	-30.2	Peak	Vertical
	8352.5	30.7	12.0	42.7	74.0	-31.3	Peak	Vertical
*	9568.0	31.8	14.4	46.2	68.2	-22.0	Peak	Vertical
*	12891.5	28.7	19.4	48.1	68.2	-20.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT20 - Ant 1	Test Channel:	52
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7553.5	30.8	12.8	43.6	74.0	-30.4	Peak	Horizontal
	8293.0	30.2	11.9	42.1	74.0	-31.9	Peak	Horizontal
*	9262.0	30.1	14.8	44.9	68.2	-23.3	Peak	Horizontal
*	10537.0	29.1	17.2	46.3	68.2	-21.9	Peak	Horizontal
	7545.0	29.8	12.8	42.6	74.0	-31.4	Peak	Vertical
	8191.0	31.2	12.0	43.2	74.0	-30.8	Peak	Vertical
*	10180.0	29.9	16.1	46.0	68.2	-22.2	Peak	Vertical
*	12891.5	27.9	19.4	47.3	68.2	-20.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT20 - Ant 1	Test Channel:	60
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7511.0	30.5	12.9	43.4	74.0	-30.6	Peak	Horizontal
	8497.0	30.7	12.8	43.5	74.0	-30.5	Peak	Horizontal
*	10061.0	30.3	15.6	45.9	68.2	-22.3	Peak	Horizontal
*	12815.0	29.0	19.1	48.1	68.2	-20.1	Peak	Horizontal
	7485.5	29.8	12.8	42.6	74.0	-31.4	Peak	Vertical
	8437.5	29.6	12.4	42.0	74.0	-32.0	Peak	Vertical
*	9551.0	30.5	14.4	44.9	68.2	-23.3	Peak	Vertical
*	12747.0	28.7	18.9	47.6	68.2	-20.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT20 - Ant 1	Test Channel:	64
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7536.5	30.3	12.8	43.1	74.0	-30.9	Peak	Horizontal
	8378.0	30.5	12.1	42.6	74.0	-31.4	Peak	Horizontal
*	9840.0	29.5	16.0	45.5	68.2	-22.7	Peak	Horizontal
*	12798.0	29.5	19.1	48.6	68.2	-19.6	Peak	Horizontal
	7451.5	30.8	12.8	43.6	74.0	-30.4	Peak	Vertical
	8429.0	30.2	12.4	42.6	74.0	-31.4	Peak	Vertical
*	9228.0	29.2	14.8	44.0	68.2	-24.2	Peak	Vertical
*	10265.0	29.2	16.5	45.7	68.2	-22.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT20 - Ant 1	Test Channel:	100
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7579.0	30.9	12.7	43.6	74.0	-30.4	Peak	Horizontal
	8361.0	30.8	12.0	42.8	74.0	-31.2	Peak	Horizontal
*	9568.0	30.8	14.4	45.2	68.2	-23.0	Peak	Horizontal
*	13044.5	28.6	20.0	48.6	68.2	-19.6	Peak	Horizontal
	7400.5	30.2	12.6	42.8	74.0	-31.2	Peak	Vertical
	8454.5	30.1	12.5	42.6	74.0	-31.4	Peak	Vertical
*	9874.0	28.1	15.8	43.9	68.2	-24.3	Peak	Vertical
*	12840.5	28.3	19.2	47.5	68.2	-20.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT20 - Ant 1	Test Channel:	116
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7562.0	31.1	12.8	43.9	74.0	-30.1	Peak	Horizontal
	8488.5	29.8	12.8	42.6	74.0	-31.4	Peak	Horizontal
*	9602.0	30.9	14.4	45.3	68.2	-22.9	Peak	Horizontal
*	12917.0	27.9	19.6	47.5	68.2	-20.7	Peak	Horizontal
	7553.5	30.8	12.8	43.6	74.0	-30.4	Peak	Vertical
	8488.5	29.7	12.8	42.5	74.0	-31.5	Peak	Vertical
*	9755.0	32.2	14.8	47.0	68.2	-21.2	Peak	Vertical
*	12968.0	28.8	19.8	48.6	68.2	-19.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT20 - Ant 1	Test Channel:	120
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7672.5	28.7	12.5	41.2	74.0	-32.8	Peak	Horizontal
	8471.5	29.9	12.6	42.5	74.0	-31.5	Peak	Horizontal
*	10214.0	30.2	16.3	46.5	68.2	-21.7	Peak	Horizontal
*	13036.0	28.6	20.0	48.6	68.2	-19.6	Peak	Horizontal
	7562.0	30.9	12.8	43.7	74.0	-30.3	Peak	Vertical
	8488.5	29.8	12.8	42.6	74.0	-31.4	Peak	Vertical
*	10154.5	30.7	16.0	46.7	68.2	-21.5	Peak	Vertical
*	13010.5	29.0	19.9	48.9	68.2	-19.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT20 - Ant 1	Test Channel:	140
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7587.5	30.6	12.7	43.3	74.0	-30.7	Peak	Horizontal
	8395.0	29.8	12.2	42.0	74.0	-32.0	Peak	Horizontal
*	10069.5	29.7	15.6	45.3	68.2	-22.9	Peak	Horizontal
*	13180.5	29.0	20.2	49.2	68.2	-19.0	Peak	Horizontal
	7528.0	30.9	12.8	43.7	74.0	-30.3	Peak	Vertical
	8191.0	30.7	12.0	42.7	74.0	-31.3	Peak	Vertical
*	10248.0	30.0	16.4	46.4	68.2	-21.8	Peak	Vertical
*	12747.0	28.3	18.9	47.2	68.2	-21.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT20 - Ant 1	Test Channel:	144
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7562.0	30.5	12.8	43.3	74.0	-30.7	Peak	Horizontal
	8293.0	30.2	11.9	42.1	74.0	-31.9	Peak	Horizontal
*	10137.5	29.8	15.9	45.7	68.2	-22.5	Peak	Horizontal
*	12738.5	27.8	18.9	46.7	68.2	-21.5	Peak	Horizontal
	7400.5	30.6	12.6	43.2	74.0	-30.8	Peak	Vertical
	8480.0	30.3	12.7	43.0	74.0	-31.0	Peak	Vertical
*	10248.0	29.6	16.4	46.0	68.2	-22.2	Peak	Vertical
*	13010.5	27.0	19.9	46.9	68.2	-21.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT40 - Ant 1	Test Channel:	54
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7536.5	30.8	12.8	43.6	74.0	-30.4	Peak	Horizontal
	8293.0	31.4	11.9	43.3	74.0	-30.7	Peak	Horizontal
*	10299.0	30.2	16.6	46.8	68.2	-21.4	Peak	Horizontal
*	12704.5	29.0	18.8	47.8	68.2	-20.4	Peak	Horizontal
	7332.5	30.4	12.4	42.8	74.0	-31.2	Peak	Vertical
	8386.5	30.2	12.1	42.3	74.0	-31.7	Peak	Vertical
*	10001.5	29.8	15.4	45.2	68.2	-23.0	Peak	Vertical
*	12713.0	28.6	18.8	47.4	68.2	-20.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT40 - Ant 1	Test Channel:	62
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7409.0	31.0	12.6	43.6	74.0	-30.4	Peak	Horizontal
	8480.0	30.0	12.7	42.7	74.0	-31.3	Peak	Horizontal
*	9525.5	29.8	14.4	44.2	68.2	-24.0	Peak	Horizontal
*	12713.0	28.6	18.8	47.4	68.2	-20.8	Peak	Horizontal
	7409.0	31.0	12.6	43.6	74.0	-30.4	Peak	Vertical
	8106.0	30.1	12.3	42.4	74.0	-31.6	Peak	Vertical
*	10146.0	30.6	16.0	46.6	68.2	-21.6	Peak	Vertical
*	12976.5	28.2	19.8	48.0	68.2	-20.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT40 - Ant 1	Test Channel:	102
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7604.5	31.0	12.7	43.7	74.0	-30.3	Peak	Horizontal
	8310.0	29.8	11.9	41.7	74.0	-32.3	Peak	Horizontal
*	9814.5	27.9	15.4	43.3	68.2	-24.9	Peak	Horizontal
*	12976.5	28.2	19.8	48.0	68.2	-20.2	Peak	Horizontal
	7604.5	31.0	12.7	43.7	74.0	-30.3	Peak	Vertical
	8335.5	29.5	12.0	41.5	74.0	-32.5	Peak	Vertical
*	9627.5	30.1	14.4	44.5	68.2	-23.7	Peak	Vertical
*	12730.0	28.0	18.8	46.8	68.2	-21.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT40 - Ant 1	Test Channel:	110
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7307.0	30.4	12.3	42.7	74.0	-31.3	Peak	Horizontal
	8208.0	30.6	11.9	42.5	74.0	-31.5	Peak	Horizontal
*	9678.5	28.9	14.6	43.5	68.2	-24.7	Peak	Horizontal
*	12781.0	27.6	19.0	46.6	68.2	-21.6	Peak	Horizontal
	7477.0	30.4	12.8	43.2	74.0	-30.8	Peak	Vertical
	8352.5	29.0	12.0	41.0	74.0	-33.0	Peak	Vertical
*	9695.5	30.2	14.6	44.8	68.2	-23.4	Peak	Vertical
*	12900.0	27.1	19.5	46.6	68.2	-21.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT40 - Ant 1 + 2 (CDD Mode)	Test Channel:	118
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7341.0	30.5	12.4	42.9	74.0	-31.1	Peak	Horizontal
	8412.0	28.8	12.3	41.1	74.0	-32.9	Peak	Horizontal
*	10120.5	30.7	15.8	46.5	68.2	-21.7	Peak	Horizontal
*	12721.5	27.5	18.8	46.3	68.2	-21.9	Peak	Horizontal
	7341.0	30.5	12.4	42.9	74.0	-31.1	Peak	Vertical
	8199.5	30.0	12.0	41.9	74.0	-32.1	Peak	Vertical
*	9857.0	27.7	16.2	43.9	68.2	-24.3	Peak	Vertical
*	12781.0	28.2	19.0	47.2	68.2	-21.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT40 - Ant 1	Test Channel:	134
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7562.0	30.3	12.8	43.1	74.0	-30.9	Peak	Horizontal
	8352.5	29.3	12.0	41.3	74.0	-32.7	Peak	Horizontal
*	10401.0	28.2	16.9	45.1	68.2	-23.1	Peak	Horizontal
*	12951.0	27.5	19.7	47.2	68.2	-21.0	Peak	Horizontal
	7460.0	30.6	12.8	43.4	74.0	-30.6	Peak	Vertical
	8369.5	29.3	12.1	41.4	74.0	-32.6	Peak	Vertical
*	10078.0	28.1	15.6	43.7	68.2	-24.5	Peak	Vertical
*	12840.5	27.6	19.2	46.8	68.2	-21.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT40 - Ant 1	Test Channel:	142
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7468.5	31.4	12.8	44.2	74.0	-29.8	Peak	Horizontal
	8352.5	29.1	12.0	41.1	74.0	-32.9	Peak	Horizontal
*	9789.0	30.0	15.0	45.0	68.2	-23.2	Peak	Horizontal
*	12840.5	27.6	19.2	46.8	68.2	-21.4	Peak	Horizontal
	7400.5	29.2	12.6	41.8	74.0	-32.2	Peak	Vertical
	8250.5	28.8	11.9	40.7	74.0	-33.3	Peak	Vertical
*	9636.0	31.3	14.4	45.7	68.2	-22.5	Peak	Vertical
*	12747.0	29.2	18.9	48.1	68.2	-20.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT20 - Ant 1	Test Channel:	52
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7349.5	29.7	12.4	42.1	74.0	-31.9	Peak	Horizontal
	8361.0	29.2	12.0	41.2	74.0	-32.8	Peak	Horizontal
*	9942.0	29.7	15.3	45.0	68.2	-23.2	Peak	Horizontal
*	12951.0	26.9	19.7	46.6	68.2	-21.6	Peak	Horizontal
	7502.5	30.6	12.9	43.5	74.0	-30.5	Peak	Vertical
	8488.5	31.0	12.8	43.8	74.0	-30.2	Peak	Vertical
*	10154.5	29.5	16.0	45.5	68.2	-22.7	Peak	Vertical
*	12951.0	26.9	19.7	46.6	68.2	-21.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT20 - Ant 1	Test Channel:	60
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7366.5	30.4	12.5	42.9	74.0	-31.1	Peak	Horizontal
	8420.5	30.6	12.3	42.9	74.0	-31.1	Peak	Horizontal
*	9899.5	28.2	15.4	43.6	68.2	-24.6	Peak	Horizontal
*	12832.0	28.5	19.2	47.7	68.2	-20.5	Peak	Horizontal
	7366.5	29.0	12.5	41.5	74.0	-32.5	Peak	Vertical
	8276.0	28.7	11.9	40.6	74.0	-33.4	Peak	Vertical
*	10282.0	29.8	16.6	46.4	68.2	-21.8	Peak	Vertical
*	12832.0	28.5	19.2	47.7	68.2	-20.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT20 - Ant 1	Test Channel:	64
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7366.5	29.0	12.5	41.5	74.0	-32.5	Peak	Horizontal
	8429.0	30.3	12.4	42.7	74.0	-31.3	Peak	Horizontal
*	9993.0	28.0	15.4	43.4	68.2	-24.8	Peak	Horizontal
*	12772.5	28.5	19.0	47.5	68.2	-20.7	Peak	Horizontal
	7511.0	31.1	12.9	44.0	74.0	-30.0	Peak	Vertical
	8471.5	29.1	12.6	41.7	74.0	-32.3	Peak	Vertical
*	9908.0	28.8	15.3	44.1	68.2	-24.1	Peak	Vertical
*	12772.5	28.5	19.0	47.5	68.2	-20.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT20 - Ant 1	Test Channel:	100
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7511.0	31.1	12.9	44.0	74.0	-30.0	Peak	Horizontal
	8463.0	28.7	12.6	41.3	74.0	-32.7	Peak	Horizontal
*	9840.0	28.8	16.0	44.8	68.2	-23.4	Peak	Horizontal
*	12798.0	27.7	19.1	46.8	68.2	-21.4	Peak	Horizontal
	7519.5	30.7	12.8	43.5	74.0	-30.5	Peak	Vertical
	8361.0	29.7	12.0	41.7	74.0	-32.3	Peak	Vertical
*	9874.0	29.1	15.8	44.9	68.2	-23.3	Peak	Vertical
*	12798.0	27.7	19.1	46.8	68.2	-21.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT20 - Ant 1	Test Channel:	116
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7519.5	30.7	12.8	43.5	74.0	-30.5	Peak	Horizontal
	8157.0	30.5	12.1	42.6	74.0	-31.4	Peak	Horizontal
*	9823.0	29.1	15.6	44.7	68.2	-23.5	Peak	Horizontal
*	12976.5	27.7	19.8	47.5	68.2	-20.7	Peak	Horizontal
	7545.0	30.3	12.8	43.1	74.0	-30.9	Peak	Vertical
	8395.0	29.7	12.2	41.9	74.0	-32.1	Peak	Vertical
*	10154.5	29.8	16.0	45.8	68.2	-22.4	Peak	Vertical
*	12976.5	27.7	19.8	47.5	68.2	-20.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT20 - Ant 1	Test Channel:	120
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7545.0	30.3	12.8	43.1	74.0	-30.9	Peak	Horizontal
	8386.5	30.9	12.1	43.0	74.0	-31.0	Peak	Horizontal
*	10086.5	29.3	15.7	45.0	68.2	-23.2	Peak	Horizontal
*	13002.0	28.0	19.9	47.9	68.2	-20.3	Peak	Horizontal
	7536.5	30.6	12.8	43.4	74.0	-30.6	Peak	Vertical
	8352.5	29.1	12.0	41.1	74.0	-32.9	Peak	Vertical
*	10095.0	31.1	15.7	46.8	68.2	-21.4	Peak	Vertical
*	13002.0	28.0	19.9	47.9	68.2	-20.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT20 - Ant 1	Test Channel:	140
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7298.5	31.6	12.3	43.9	74.0	-30.1	Peak	Horizontal
	8242.0	29.6	11.9	41.5	74.0	-32.5	Peak	Horizontal
*	10188.5	29.3	16.2	45.5	68.2	-22.7	Peak	Horizontal
*	12908.5	28.9	19.5	48.4	68.2	-19.8	Peak	Horizontal
	7502.5	30.9	12.9	43.8	74.0	-30.2	Peak	Vertical
	8488.5	30.5	12.8	43.3	74.0	-30.7	Peak	Vertical
*	10129.0	29.7	15.9	45.6	68.2	-22.6	Peak	Vertical
*	12891.5	27.6	19.4	47.0	68.2	-21.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT20 - Ant 1	Test Channel:	144
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7468.5	29.1	12.8	41.9	74.0	-32.1	Peak	Horizontal
	8165.5	29.1	12.1	41.2	74.0	-32.8	Peak	Horizontal
*	9899.5	29.9	15.4	45.3	68.2	-22.9	Peak	Horizontal
*	12891.5	27.6	19.4	47.0	68.2	-21.2	Peak	Horizontal
	7468.5	29.1	12.8	41.9	74.0	-32.1	Peak	Vertical
	8276.0	28.1	11.9	40.0	74.0	-34.0	Peak	Vertical
*	9942.0	28.5	15.3	43.8	68.2	-24.4	Peak	Vertical
*	13010.5	28.5	19.9	48.4	68.2	-19.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT40 - Ant 1	Test Channel:	54
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7494.0	30.5	12.8	43.3	74.0	-30.7	Peak	Horizontal
	8480.0	30.7	12.7	43.4	74.0	-30.6	Peak	Horizontal
*	10018.5	30.5	15.4	45.9	68.2	-22.3	Peak	Horizontal
*	12840.5	27.8	19.2	47.0	68.2	-21.2	Peak	Horizontal
	7553.5	30.9	12.8	43.7	74.0	-30.3	Peak	Vertical
	8446.0	30.5	12.5	43.0	74.0	-31.0	Peak	Vertical
*	10333.0	29.5	16.7	46.2	68.2	-22.0	Peak	Vertical
*	12840.5	27.8	19.2	47.0	68.2	-21.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT40 - Ant 1	Test Channel:	62
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7553.5	30.9	12.8	43.7	74.0	-30.3	Peak	Horizontal
	8437.5	29.8	12.4	42.2	74.0	-31.8	Peak	Horizontal
*	10163.0	29.4	16.0	45.4	68.2	-22.8	Peak	Horizontal
*	12721.5	27.8	18.8	46.6	68.2	-21.6	Peak	Horizontal
	7536.5	28.8	12.8	41.6	74.0	-32.4	Peak	Vertical
	8310.0	29.6	11.9	41.5	74.0	-32.5	Peak	Vertical
*	10112.0	30.0	15.8	45.8	68.2	-22.4	Peak	Vertical
*	12721.5	27.8	18.8	46.6	68.2	-21.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT40 - Ant 1	Test Channel:	102
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7536.5	28.8	12.8	41.6	74.0	-32.4	Peak	Horizontal
	8344.0	30.4	12.0	42.4	74.0	-31.6	Peak	Horizontal
*	10137.5	31.2	15.9	47.1	68.2	-21.1	Peak	Horizontal
*	12730.0	28.0	18.8	46.8	68.2	-21.4	Peak	Horizontal
	7502.5	29.5	12.9	42.4	74.0	-31.6	Peak	Vertical
	8242.0	30.3	11.9	42.2	74.0	-31.8	Peak	Vertical
*	10341.5	28.7	16.8	45.5	68.2	-22.7	Peak	Vertical
*	12730.0	28.0	18.8	46.8	68.2	-21.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT40 - Ant 1	Test Channel:	110
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7502.5	29.5	12.9	42.4	74.0	-31.6	Peak	Horizontal
	8174.0	31.2	12.0	43.2	74.0	-30.8	Peak	Horizontal
*	10171.5	30.2	16.1	46.3	68.2	-21.9	Peak	Horizontal
*	13019.0	27.4	19.9	47.3	68.2	-20.9	Peak	Horizontal
	7366.5	30.6	12.5	43.1	74.0	-30.9	Peak	Vertical
	8437.5	31.0	12.4	43.4	74.0	-30.6	Peak	Vertical
*	10086.5	28.7	15.7	44.4	68.2	-23.8	Peak	Vertical
*	13019.0	27.4	19.9	47.3	68.2	-20.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT40 - Ant 1	Test Channel:	118
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7366.5	30.6	12.5	43.1	74.0	-30.9	Peak	Horizontal
	8471.5	30.1	12.6	42.7	74.0	-31.3	Peak	Horizontal
*	10044.0	29.7	15.5	45.2	68.2	-23.0	Peak	Horizontal
*	12883.0	28.1	19.4	47.5	68.2	-20.7	Peak	Horizontal
	7570.5	31.3	12.8	44.1	74.0	-29.9	Peak	Vertical
	8378.0	30.6	12.1	42.7	74.0	-31.3	Peak	Vertical
*	9882.5	29.9	15.6	45.5	68.2	-22.7	Peak	Vertical
*	12747.0	29.0	18.9	47.9	68.2	-20.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT40 - Ant 1	Test Channel:	134
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7536.5	28.9	12.8	41.7	74.0	-32.3	Peak	Horizontal
	8318.5	31.7	11.9	43.6	74.0	-30.4	Peak	Horizontal
*	10180.0	30.1	16.1	46.2	68.2	-22.0	Peak	Horizontal
*	12747.0	29.0	18.9	47.9	68.2	-20.3	Peak	Horizontal
	7536.5	28.9	12.8	41.7	74.0	-32.3	Peak	Vertical
	8471.5	30.2	12.6	42.8	74.0	-31.2	Peak	Vertical
*	9899.5	29.8	15.4	45.2	68.2	-23.0	Peak	Vertical
*	13002.0	27.6	19.9	47.5	68.2	-20.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT40 - Ant 1	Test Channel:	142
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7409.0	30.1	12.6	42.7	74.0	-31.3	Peak	Horizontal
	8480.0	31.0	12.7	43.7	74.0	-30.3	Peak	Horizontal
*	9899.5	28.7	15.4	44.1	68.2	-24.1	Peak	Horizontal
*	13002.0	27.6	19.9	47.5	68.2	-20.7	Peak	Horizontal
	7409.0	30.1	12.6	42.7	74.0	-31.3	Peak	Vertical
	8395.0	29.9	12.2	42.1	74.0	-31.9	Peak	Vertical
*	10231.0	30.7	16.4	47.1	68.2	-21.1	Peak	Vertical
*	12832.0	28.6	19.2	47.8	68.2	-20.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT80 - Ant 1	Test Channel:	58
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7426.0	29.3	12.7	42.0	74.0	-32.0	Peak	Horizontal
	8199.5	29.1	12.0	41.1	74.0	-32.9	Peak	Horizontal
*	10078.0	28.3	15.6	43.9	68.2	-24.3	Peak	Horizontal
*	12772.5	28.6	19.0	47.6	68.2	-20.6	Peak	Horizontal
	7426.0	29.3	12.7	42.0	74.0	-32.0	Peak	Vertical
	8310.0	29.1	11.9	41.0	74.0	-33.0	Peak	Vertical
*	9678.5	29.1	14.6	43.7	68.2	-24.5	Peak	Vertical
*	12891.5	29.1	19.4	48.5	68.2	-19.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT80 - Ant 1	Test Channel:	106
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7528.0	30.8	12.8	43.6	74.0	-30.4	Peak	Horizontal
	8471.5	29.6	12.6	42.2	74.0	-31.8	Peak	Horizontal
*	9653.0	29.1	14.5	43.6	68.2	-24.6	Peak	Horizontal
*	13010.5	27.7	19.9	47.6	68.2	-20.6	Peak	Horizontal
	7545.0	29.0	12.8	41.8	74.0	-32.2	Peak	Vertical
	8352.5	30.4	12.0	42.4	74.0	-31.6	Peak	Vertical
*	10214.0	29.0	16.3	45.3	68.2	-22.9	Peak	Vertical
*	13138.0	27.5	20.1	47.6	68.2	-20.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT80 - Ant 1	Test Channel:	122
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7545.0	29.0	12.8	41.8	74.0	-32.2	Peak	Horizontal
	8352.5	29.9	12.0	41.9	74.0	-32.1	Peak	Horizontal
*	10307.5	28.6	16.6	45.2	68.2	-23.0	Peak	Horizontal
*	13053.0	27.2	20.0	47.2	68.2	-21.0	Peak	Horizontal
	7468.5	30.5	12.8	43.3	74.0	-30.7	Peak	Vertical
	8429.0	30.6	12.4	43.0	74.0	-31.0	Peak	Vertical
*	10112.0	30.3	15.8	46.1	68.2	-22.1	Peak	Vertical
*	13002.0	29.3	19.9	49.2	68.2	-19.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT80 - Ant 1	Test Channel:	138
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7468.5	30.5	12.8	43.3	74.0	-30.7	Peak	Horizontal
	8429.0	30.4	12.4	42.8	74.0	-31.2	Peak	Horizontal
*	9729.5	31.0	14.7	45.7	68.2	-22.5	Peak	Horizontal
*	13044.5	28.7	20.0	48.7	68.2	-19.5	Peak	Horizontal
	7400.5	30.4	12.6	43.0	74.0	-31.0	Peak	Vertical
	8361.0	30.4	12.0	42.4	74.0	-31.6	Peak	Vertical
*	9789.0	29.7	15.0	44.7	68.2	-23.5	Peak	Vertical
*	12815.0	28.0	19.1	47.1	68.2	-21.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11a - Ant 2	Test Channel:	52
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7460.0	31.5	12.8	44.3	74.0	-29.7	Peak	Horizontal
	8378.0	31.1	12.1	43.2	74.0	-30.8	Peak	Horizontal
*	10044.0	30.4	15.5	45.9	68.2	-22.3	Peak	Horizontal
*	13070.0	29.6	20.0	49.6	68.2	-18.6	Peak	Horizontal
	7434.5	31.0	12.7	43.7	74.0	-30.3	Peak	Vertical
	8429.0	31.1	12.4	43.5	74.0	-30.5	Peak	Vertical
*	10044.0	30.4	15.5	45.9	68.2	-22.3	Peak	Vertical
*	13070.0	29.6	20.0	49.6	68.2	-18.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11a - Ant 2	Test Channel:	60
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7434.5	31.0	12.7	43.7	74.0	-30.3	Peak	Horizontal
	8378.0	30.6	12.1	42.7	74.0	-31.3	Peak	Horizontal
*	10163.0	31.8	16.0	47.8	68.2	-20.4	Peak	Horizontal
*	12900.0	28.8	19.5	48.3	68.2	-19.9	Peak	Horizontal
	7468.5	31.0	12.8	43.8	74.0	-30.2	Peak	Vertical
	8378.0	31.6	12.1	43.7	74.0	-30.3	Peak	Vertical
*	9984.5	29.5	15.4	44.9	68.2	-23.3	Peak	Vertical
*	12900.0	28.8	19.5	48.3	68.2	-19.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11a - Ant 2	Test Channel:	64
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7468.5	31.0	12.8	43.8	74.0	-30.2	Peak	Horizontal
	8310.0	30.7	11.9	42.6	74.0	-31.4	Peak	Horizontal
*	10086.5	30.2	15.7	45.9	68.2	-22.3	Peak	Horizontal
*	12755.5	29.1	18.9	48.0	68.2	-20.2	Peak	Horizontal
	7536.5	29.4	12.8	42.2	74.0	-31.8	Peak	Vertical
	8412.0	28.6	12.3	40.9	74.0	-33.1	Peak	Vertical
*	10358.5	28.2	16.8	45.0	68.2	-23.2	Peak	Vertical
*	12755.5	29.1	18.9	48.0	68.2	-20.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11a - Ant 2	Test Channel:	100
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7536.5	29.4	12.8	42.2	74.0	-31.8	Peak	Horizontal
	8497.0	30.5	12.8	43.3	74.0	-30.7	Peak	Horizontal
*	10086.5	29.4	15.7	45.1	68.2	-23.1	Peak	Horizontal
*	12781.0	27.8	19.0	46.8	68.2	-21.4	Peak	Horizontal
	7434.5	29.5	12.7	42.2	74.0	-31.8	Peak	Vertical
	8242.0	29.5	11.9	41.4	74.0	-32.6	Peak	Vertical
*	9993.0	29.1	15.4	44.5	68.2	-23.7	Peak	Vertical
*	12781.0	27.8	19.0	46.8	68.2	-21.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11a - Ant 2	Test Channel:	116
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7434.5	29.5	12.7	42.2	74.0	-31.8	Peak	Horizontal
	8488.5	31.4	12.7	44.1	74.0	-29.9	Peak	Horizontal
*	10137.5	29.8	15.9	45.7	68.2	-22.5	Peak	Horizontal
*	12917.0	28.1	19.6	47.7	68.2	-20.5	Peak	Horizontal
	7434.5	29.6	12.7	42.3	74.0	-31.7	Peak	Vertical
	8352.5	28.4	12.0	40.4	74.0	-33.6	Peak	Vertical
*	10018.5	28.4	15.4	43.8	68.2	-24.4	Peak	Vertical
*	12917.0	28.1	19.6	47.7	68.2	-20.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11a - Ant 2	Test Channel:	120
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7434.5	29.6	12.7	42.3	74.0	-31.7	Peak	Horizontal
	8446.0	30.5	12.5	43.0	74.0	-31.0	Peak	Horizontal
*	10112.0	30.6	15.8	46.4	68.2	-21.8	Peak	Horizontal
*	12891.5	28.7	19.4	48.1	68.2	-20.1	Peak	Horizontal
	7434.5	29.5	12.7	42.2	74.0	-31.8	Peak	Vertical
	8463.0	29.8	12.6	42.4	74.0	-31.6	Peak	Vertical
*	10171.5	28.8	16.1	44.9	68.2	-23.3	Peak	Vertical
*	12891.5	28.7	19.4	48.1	68.2	-20.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11a - Ant 2	Test Channel:	140
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7434.5	29.5	12.7	42.2	74.0	-31.8	Peak	Horizontal
	8199.5	30.8	12.0	42.8	74.0	-31.2	Peak	Horizontal
*	10078.0	29.3	15.6	44.9	68.2	-23.3	Peak	Horizontal
*	12934.0	27.9	19.6	47.5	68.2	-20.7	Peak	Horizontal
	7324.0	28.7	12.4	41.1	74.0	-32.9	Peak	Vertical
	8386.5	29.4	12.1	41.5	74.0	-32.5	Peak	Vertical
*	10086.5	28.6	15.7	44.3	68.2	-23.9	Peak	Vertical
*	12934.0	27.9	19.6	47.5	68.2	-20.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11a - Ant 2	Test Channel:	144
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7477.0	29.9	12.8	42.7	74.0	-31.3	Peak	Horizontal
	8310.0	31.3	11.9	43.2	74.0	-30.8	Peak	Horizontal
*	10171.5	30.2	16.1	46.3	68.2	-21.9	Peak	Horizontal
*	12951.0	27.6	19.7	47.3	68.2	-20.9	Peak	Horizontal
	7434.5	29.5	12.7	42.2	74.0	-31.8	Peak	Vertical
	8199.5	30.9	12.0	42.9	74.0	-31.1	Peak	Vertical
*	10018.5	29.3	15.4	44.7	68.2	-23.5	Peak	Vertical
*	12951.0	27.6	19.7	47.3	68.2	-20.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT20 - Ant 2	Test Channel:	52
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7638.5	30.2	12.6	42.8	74.0	-31.2	Peak	Horizontal
	8437.5	29.7	12.4	42.1	74.0	-31.9	Peak	Horizontal
*	9993.0	28.8	15.4	44.2	68.2	-24.0	Peak	Horizontal
*	12917.0	27.3	19.6	46.9	68.2	-21.3	Peak	Horizontal
	7400.5	30.1	12.6	42.7	74.0	-31.3	Peak	Vertical
	8276.0	29.6	11.9	41.5	74.0	-32.5	Peak	Vertical
*	10307.5	29.1	16.6	45.7	68.2	-22.5	Peak	Vertical
*	12917.0	27.3	19.6	46.9	68.2	-21.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT20 - Ant 2	Test Channel:	60
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7400.5	30.1	12.6	42.7	74.0	-31.3	Peak	Horizontal
	8386.5	30.1	12.1	42.2	74.0	-31.8	Peak	Horizontal
*	9814.5	27.5	15.4	42.9	68.2	-25.3	Peak	Horizontal
*	12721.5	26.6	18.8	45.4	68.2	-22.8	Peak	Horizontal
	7502.5	29.8	12.8	42.6	74.0	-31.4	Peak	Vertical
	8242.0	30.0	11.9	41.9	74.0	-32.1	Peak	Vertical
*	10350.0	29.8	16.8	46.6	68.2	-21.6	Peak	Vertical
*	12721.5	26.6	18.8	45.4	68.2	-22.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT20 - Ant 2	Test Channel:	64
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7502.5	29.8	12.8	42.6	74.0	-31.4	Peak	Horizontal
	8386.5	29.3	12.1	41.4	74.0	-32.6	Peak	Horizontal
*	9721.0	28.9	14.7	43.6	68.2	-24.6	Peak	Horizontal
*	12908.5	27.0	19.5	46.5	68.2	-21.7	Peak	Horizontal
	7400.5	30.3	12.6	42.9	74.0	-31.1	Peak	Vertical
	8310.0	29.7	11.9	41.6	74.0	-32.4	Peak	Vertical
*	9857.0	27.7	16.2	43.9	68.2	-24.3	Peak	Vertical
*	12908.5	27.0	19.5	46.5	68.2	-21.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT20 - Ant 2	Test Channel:	100
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7400.5	30.3	12.6	42.9	74.0	-31.1	Peak	Horizontal
	8310.0	29.2	11.9	41.1	74.0	-32.9	Peak	Horizontal
*	9899.5	28.9	15.4	44.3	68.2	-23.9	Peak	Horizontal
*	12781.0	29.4	19.0	48.4	68.2	-19.8	Peak	Horizontal
	7434.5	29.3	12.7	42.0	74.0	-32.0	Peak	Vertical
	8242.0	29.7	11.9	41.6	74.0	-32.4	Peak	Vertical
*	10214.0	29.3	16.3	45.6	68.2	-22.6	Peak	Vertical
*	12781.0	29.4	19.0	48.4	68.2	-19.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT20 - Ant 2	Test Channel:	116
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7434.5	29.3	12.7	42.0	74.0	-32.0	Peak	Horizontal
	8242.0	29.5	11.9	41.4	74.0	-32.6	Peak	Horizontal
*	9848.5	27.3	16.1	43.4	68.2	-24.8	Peak	Horizontal
*	12891.5	27.5	19.4	46.9	68.2	-21.3	Peak	Horizontal
	7655.5	29.5	12.5	42.0	74.0	-32.0	Peak	Vertical
	8242.0	29.0	11.9	40.9	74.0	-33.1	Peak	Vertical
*	9814.5	29.8	15.4	45.2	68.2	-23.0	Peak	Vertical
*	12891.5	27.5	19.4	46.9	68.2	-21.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT20 - Ant 2	Test Channel:	120
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7655.5	29.5	12.5	42.0	74.0	-32.0	Peak	Horizontal
	8403.5	28.8	12.2	41.0	74.0	-33.0	Peak	Horizontal
*	9976.0	27.8	15.3	43.1	68.2	-25.1	Peak	Horizontal
*	12908.5	26.8	19.5	46.3	68.2	-21.9	Peak	Horizontal
	7468.5	29.3	12.8	42.1	74.0	-31.9	Peak	Vertical
	8352.5	29.8	12.0	41.8	74.0	-32.2	Peak	Vertical
*	9857.0	28.8	16.2	45.0	68.2	-23.2	Peak	Vertical
*	12908.5	26.8	19.5	46.3	68.2	-21.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT20 - Ant 2	Test Channel:	140
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7468.5	29.3	12.8	42.1	74.0	-31.9	Peak	Horizontal
	8369.5	30.0	12.1	42.1	74.0	-31.9	Peak	Horizontal
*	9857.0	27.2	16.2	43.4	68.2	-24.8	Peak	Horizontal
*	12951.0	27.4	19.7	47.1	68.2	-21.1	Peak	Horizontal
	7400.5	29.4	12.6	42.0	74.0	-32.0	Peak	Vertical
	8437.5	29.0	12.4	41.4	74.0	-32.6	Peak	Vertical
*	10078.0	28.4	15.6	44.0	68.2	-24.2	Peak	Vertical
*	12951.0	27.4	19.7	47.1	68.2	-21.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT20 - Ant 2	Test Channel:	144
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7400.5	29.4	12.6	42.0	74.0	-32.0	Peak	Horizontal
	8199.5	29.2	12.0	41.2	74.0	-32.8	Peak	Horizontal
*	9772.0	29.2	14.9	44.1	68.2	-24.1	Peak	Horizontal
*	12891.5	27.3	19.4	46.7	68.2	-21.5	Peak	Horizontal
	7332.5	30.0	12.4	42.4	74.0	-31.6	Peak	Vertical
	8225.0	29.1	11.9	41.0	74.0	-33.0	Peak	Vertical
*	9729.5	29.3	14.7	44.0	68.2	-24.2	Peak	Vertical
*	12891.5	27.3	19.4	46.7	68.2	-21.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT40 - Ant 2	Test Channel:	54
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7366.5	30.4	12.5	42.9	74.0	-31.1	Peak	Horizontal
	8429.0	30.3	12.4	42.7	74.0	-31.3	Peak	Horizontal
*	9848.5	27.7	16.1	43.8	68.2	-24.4	Peak	Horizontal
*	13010.5	27.9	19.9	47.8	68.2	-20.4	Peak	Horizontal
	7528.0	29.6	12.8	42.4	74.0	-31.6	Peak	Vertical
	8310.0	29.7	11.9	41.6	74.0	-32.4	Peak	Vertical
*	9993.0	28.9	15.4	44.3	68.2	-23.9	Peak	Vertical
*	13010.5	27.9	19.9	47.8	68.2	-20.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT40 - Ant 2	Test Channel:	62
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7528.0	29.6	12.8	42.4	74.0	-31.6	Peak	Horizontal
	8310.0	30.4	11.9	42.3	74.0	-31.7	Peak	Horizontal
*	9772.0	29.5	14.9	44.4	68.2	-23.8	Peak	Horizontal
*	12840.5	27.5	19.2	46.7	68.2	-21.5	Peak	Horizontal
	7502.5	29.6	12.8	42.4	74.0	-31.6	Peak	Vertical
	8199.5	30.0	12.0	42.0	74.0	-32.0	Peak	Vertical
*	10078.0	29.9	15.6	45.5	68.2	-22.7	Peak	Vertical
*	12840.5	27.5	19.2	46.7	68.2	-21.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT40 - Ant 2	Test Channel:	102
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7502.5	29.6	12.8	42.4	74.0	-31.6	Peak	Horizontal
	8352.5	31.0	12.0	43.0	74.0	-31.0	Peak	Horizontal
*	9729.5	28.5	14.7	43.2	68.2	-25.0	Peak	Horizontal
*	12925.5	26.7	19.6	46.3	68.2	-21.9	Peak	Horizontal
	7332.5	29.5	12.4	41.9	74.0	-32.1	Peak	Vertical
	8242.0	29.0	11.9	40.9	74.0	-33.1	Peak	Vertical
*	9899.5	29.8	15.4	45.2	68.2	-23.0	Peak	Vertical
*	12925.5	26.7	19.6	46.3	68.2	-21.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT40 - Ant 2	Test Channel:	110
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7332.5	29.5	12.4	41.9	74.0	-32.1	Peak	Horizontal
	8131.5	31.1	12.2	43.3	74.0	-30.7	Peak	Horizontal
*	10044.0	28.2	15.5	43.7	68.2	-24.5	Peak	Horizontal
*	12781.0	28.9	19.0	47.9	68.2	-20.3	Peak	Horizontal
	7468.5	30.4	12.8	43.2	74.0	-30.8	Peak	Vertical
	8199.5	29.1	12.0	41.1	74.0	-32.9	Peak	Vertical
*	9993.0	29.2	15.4	44.6	68.2	-23.6	Peak	Vertical
*	12781.0	28.9	19.0	47.9	68.2	-20.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT40 - Ant 2	Test Channel:	118
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7468.5	30.4	12.8	43.2	74.0	-30.8	Peak	Horizontal
	8327.0	30.1	11.9	42.0	74.0	-32.0	Peak	Horizontal
*	9814.5	27.9	15.4	43.3	68.2	-24.9	Peak	Horizontal
*	13010.5	27.6	19.9	47.5	68.2	-20.7	Peak	Horizontal
	7502.5	29.6	12.8	42.4	74.0	-31.6	Peak	Vertical
	8310.0	29.3	11.9	41.2	74.0	-32.8	Peak	Vertical
*	10120.5	30.3	15.8	46.1	68.2	-22.1	Peak	Vertical
*	13010.5	27.6	19.9	47.5	68.2	-20.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT40 - Ant 2	Test Channel:	134
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7502.5	29.6	12.8	42.4	74.0	-31.6	Peak	Horizontal
	8327.0	29.6	11.9	41.5	74.0	-32.5	Peak	Horizontal
*	10214.0	29.1	16.3	45.4	68.2	-22.8	Peak	Horizontal
*	12951.0	29.0	19.7	48.7	68.2	-19.5	Peak	Horizontal
	7443.0	29.3	12.7	42.0	74.0	-32.0	Peak	Vertical
	8276.0	30.0	11.9	41.9	74.0	-32.1	Peak	Vertical
*	9942.0	29.0	15.3	44.3	68.2	-23.9	Peak	Vertical
*	12951.0	29.0	19.7	48.7	68.2	-19.5	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT40 - Ant 2	Test Channel:	142
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7443.0	29.3	12.7	42.0	74.0	-32.0	Peak	Horizontal
	8429.0	30.4	12.4	42.8	74.0	-31.2	Peak	Horizontal
*	9704.0	29.4	14.6	44.0	68.2	-24.2	Peak	Horizontal
*	12866.0	27.5	19.3	46.8	68.2	-21.4	Peak	Horizontal
	7604.5	29.9	12.7	42.6	74.0	-31.4	Peak	Vertical
	8276.0	29.4	11.9	41.3	74.0	-32.7	Peak	Vertical
*	10078.0	29.2	15.6	44.8	68.2	-23.4	Peak	Vertical
*	12866.0	27.5	19.3	46.8	68.2	-21.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT20 - Ant 2	Test Channel:	52
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7468.5	29.5	12.8	42.3	74.0	-31.7	Peak	Horizontal
	8250.5	30.1	11.9	42.0	74.0	-32.0	Peak	Horizontal
*	10171.5	29.6	16.1	45.7	68.2	-22.5	Peak	Horizontal
*	12840.5	28.4	19.2	47.6	68.2	-20.6	Peak	Horizontal
	7494.0	30.3	12.8	43.1	74.0	-30.9	Peak	Vertical
	8284.5	30.4	11.9	42.3	74.0	-31.7	Peak	Vertical
*	10163.0	30.1	16.0	46.1	68.2	-22.1	Peak	Vertical
*	12840.5	28.4	19.2	47.6	68.2	-20.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT20 - Ant 2	Test Channel:	60
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7494.0	30.3	12.8	43.1	74.0	-30.9	Peak	Horizontal
	8463.0	29.7	12.6	42.3	74.0	-31.7	Peak	Horizontal
*	10180.0	30.4	16.1	46.5	68.2	-21.7	Peak	Horizontal
*	12840.5	28.5	19.2	47.7	68.2	-20.5	Peak	Horizontal
	7468.5	30.7	12.8	43.5	74.0	-30.5	Peak	Vertical
	8395.0	30.7	12.2	42.9	74.0	-31.1	Peak	Vertical
*	10129.0	29.5	15.9	45.4	68.2	-22.8	Peak	Vertical
*	12840.5	28.5	19.2	47.7	68.2	-20.5	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT20 - Ant 2	Test Channel:	64
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7468.5	30.7	12.8	43.5	74.0	-30.5	Peak	Horizontal
	8318.5	31.2	11.9	43.1	74.0	-30.9	Peak	Horizontal
*	9678.5	29.6	14.6	44.2	68.2	-24.0	Peak	Horizontal
*	12747.0	29.7	18.9	48.6	68.2	-19.6	Peak	Horizontal
	7536.5	29.2	12.8	42.0	74.0	-32.0	Peak	Vertical
	8352.5	29.7	12.0	41.7	74.0	-32.3	Peak	Vertical
*	10350.0	30.1	16.8	46.9	68.2	-21.3	Peak	Vertical
*	12747.0	29.7	18.9	48.6	68.2	-19.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT20 - Ant 2	Test Channel:	100
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7536.5	29.2	12.8	42.0	74.0	-32.0	Peak	Horizontal
	8480.0	29.8	12.7	42.5	74.0	-31.5	Peak	Horizontal
*	9959.0	30.0	15.3	45.3	68.2	-22.9	Peak	Horizontal
*	12951.0	27.4	19.7	47.1	68.2	-21.1	Peak	Horizontal
	7570.5	29.9	12.8	42.7	74.0	-31.3	Peak	Vertical
	8386.5	29.6	12.1	41.7	74.0	-32.3	Peak	Vertical
*	10214.0	28.4	16.3	44.7	68.2	-23.5	Peak	Vertical
*	12951.0	27.4	19.7	47.1	68.2	-21.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT20 - Ant 2	Test Channel:	116
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7570.5	29.9	12.8	42.7	74.0	-31.3	Peak	Horizontal
	8165.5	30.3	12.1	42.4	74.0	-31.6	Peak	Horizontal
*	9678.5	28.8	14.6	43.4	68.2	-24.8	Peak	Horizontal
*	12891.5	27.7	19.4	47.1	68.2	-21.1	Peak	Horizontal
	7570.5	31.1	12.8	43.9	74.0	-30.1	Peak	Vertical
	8429.0	29.5	12.4	41.9	74.0	-32.1	Peak	Vertical
*	10171.5	30.3	16.1	46.4	68.2	-21.8	Peak	Vertical
*	12891.5	27.7	19.4	47.1	68.2	-21.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT20 - Ant 2	Test Channel:	120
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7570.5	31.1	12.8	43.9	74.0	-30.1	Peak	Horizontal
	8378.0	31.1	12.1	43.2	74.0	-30.8	Peak	Horizontal
*	9772.0	30.5	14.9	45.4	68.2	-22.8	Peak	Horizontal
*	12891.5	28.5	19.4	47.9	68.2	-20.3	Peak	Horizontal
	7366.5	30.1	12.5	42.6	74.0	-31.4	Peak	Vertical
	8386.5	30.1	12.1	42.2	74.0	-31.8	Peak	Vertical
*	10307.5	28.2	16.6	44.8	68.2	-23.4	Peak	Vertical
*	12891.5	28.5	19.4	47.9	68.2	-20.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT20 - Ant 2	Test Channel:	140
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7366.5	30.1	12.5	42.6	74.0	-31.4	Peak	Horizontal
	8386.5	29.9	12.1	42.0	74.0	-32.0	Peak	Horizontal
*	9993.0	29.5	15.4	44.9	68.2	-23.3	Peak	Horizontal
*	12908.5	28.8	19.5	48.3	68.2	-19.9	Peak	Horizontal
	7366.5	30.4	12.5	42.9	74.0	-31.1	Peak	Vertical
	8386.5	29.9	12.1	42.0	74.0	-32.0	Peak	Vertical
*	10171.5	29.6	16.1	45.7	68.2	-22.5	Peak	Vertical
*	12908.5	28.8	19.5	48.3	68.2	-19.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT20 - Ant 2	Test Channel:	144
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7366.5	30.4	12.5	42.9	74.0	-31.1	Peak	Horizontal
	8233.5	30.3	11.9	42.2	74.0	-31.8	Peak	Horizontal
*	9933.5	28.8	15.3	44.1	68.2	-24.1	Peak	Horizontal
*	12721.5	28.6	18.8	47.4	68.2	-20.8	Peak	Horizontal
	7468.5	30.6	12.8	43.4	74.0	-30.6	Peak	Vertical
	8242.0	29.8	11.9	41.7	74.0	-32.3	Peak	Vertical
*	10265.0	28.6	16.5	45.1	68.2	-23.1	Peak	Vertical
*	12721.5	28.6	18.8	47.4	68.2	-20.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT40 - Ant 2	Test Channel:	54
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7400.5	30.3	12.6	42.9	74.0	-31.1	Peak	Horizontal
	8250.5	30.4	11.9	42.3	74.0	-31.7	Peak	Horizontal
*	10316.0	29.1	16.7	45.8	68.2	-22.4	Peak	Horizontal
*	12781.0	28.8	19.0	47.8	68.2	-20.4	Peak	Horizontal
	7400.5	30.3	12.6	42.9	74.0	-31.1	Peak	Vertical
	8293.0	30.3	11.9	42.2	74.0	-31.8	Peak	Vertical
*	9899.5	29.2	15.4	44.6	68.2	-23.6	Peak	Vertical
*	13070.0	27.3	20.0	47.3	68.2	-20.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT40 - Ant 2	Test Channel:	62
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7383.5	29.1	12.5	41.6	74.0	-32.4	Peak	Horizontal
	8386.5	29.3	12.1	41.4	74.0	-32.6	Peak	Horizontal
*	9857.0	28.0	16.2	44.2	68.2	-24.0	Peak	Horizontal
*	13070.0	27.3	20.0	47.3	68.2	-20.9	Peak	Horizontal
	7383.5	29.1	12.5	41.6	74.0	-32.4	Peak	Vertical
	8301.5	30.4	11.9	42.3	74.0	-31.7	Peak	Vertical
*	9899.5	29.6	15.4	45.0	68.2	-23.2	Peak	Vertical
*	12781.0	28.0	19.0	47.0	68.2	-21.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT40 - Ant 2	Test Channel:	102
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7400.5	29.2	12.6	41.8	74.0	-32.2	Peak	Horizontal
	8276.0	29.0	11.9	40.9	74.0	-33.1	Peak	Horizontal
*	10078.0	28.6	15.6	44.2	68.2	-24.0	Peak	Horizontal
*	12781.0	28.0	19.0	47.0	68.2	-21.2	Peak	Horizontal
	7400.5	29.2	12.6	41.8	74.0	-32.2	Peak	Vertical
	8386.5	30.5	12.1	42.6	74.0	-31.4	Peak	Vertical
*	10333.0	27.7	16.7	44.4	68.2	-23.8	Peak	Vertical
*	12891.5	27.7	19.4	47.1	68.2	-21.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT40 - Ant 2	Test Channel:	110
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7341.0	29.2	12.4	41.6	74.0	-32.4	Peak	Horizontal
	8242.0	29.1	11.9	41.0	74.0	-33.0	Peak	Horizontal
*	10044.0	28.2	15.5	43.7	68.2	-24.5	Peak	Horizontal
*	12891.5	27.7	19.4	47.1	68.2	-21.1	Peak	Horizontal
	7341.0	29.2	12.4	41.6	74.0	-32.4	Peak	Vertical
	8276.0	28.9	11.9	40.8	74.0	-33.2	Peak	Vertical
*	9984.5	28.0	15.4	43.4	68.2	-24.8	Peak	Vertical
*	12713.0	26.7	18.8	45.5	68.2	-22.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT40 - Ant 2	Test Channel:	118
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7366.5	30.3	12.5	42.8	74.0	-31.2	Peak	Horizontal
	8352.5	29.3	12.0	41.3	74.0	-32.7	Peak	Horizontal
*	10265.0	28.5	16.5	45.0	68.2	-23.2	Peak	Horizontal
*	12713.0	26.7	18.8	45.5	68.2	-22.7	Peak	Horizontal
	7443.0	30.3	12.7	43.0	74.0	-31.0	Peak	Vertical
	8242.0	29.6	11.9	41.5	74.0	-32.5	Peak	Vertical
*	9891.0	29.4	15.5	44.9	68.2	-23.3	Peak	Vertical
*	12866.0	26.9	19.3	46.2	68.2	-22.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT40 - Ant 2	Test Channel:	134
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7468.5	29.7	12.8	42.5	74.0	-31.5	Peak	Horizontal
	8242.0	29.6	11.9	41.5	74.0	-32.5	Peak	Horizontal
*	10307.5	29.4	16.6	46.0	68.2	-22.2	Peak	Horizontal
*	12866.0	26.9	19.3	46.2	68.2	-22.0	Peak	Horizontal
	7468.5	29.7	12.8	42.5	74.0	-31.5	Peak	Vertical
	8284.5	29.5	11.9	41.4	74.0	-32.6	Peak	Vertical
*	9772.0	28.8	14.9	43.7	68.2	-24.5	Peak	Vertical
*	12781.0	28.5	19.0	47.5	68.2	-20.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT40 - Ant 2	Test Channel:	142
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7502.5	29.4	12.8	42.2	74.0	-31.8	Peak	Horizontal
	8463.0	30.1	12.6	42.7	74.0	-31.3	Peak	Horizontal
*	10078.0	29.5	15.6	45.1	68.2	-23.1	Peak	Horizontal
*	12781.0	28.5	19.0	47.5	68.2	-20.7	Peak	Horizontal
	7502.5	29.4	12.8	42.2	74.0	-31.8	Peak	Vertical
	8216.5	29.7	11.9	41.6	74.0	-32.4	Peak	Vertical
*	9678.5	29.3	14.6	43.9	68.2	-24.3	Peak	Vertical
*	12934.0	26.8	19.6	46.4	68.2	-21.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT80 - Ant 2	Test Channel:	58
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7536.5	29.7	12.8	42.5	74.0	-31.5	Peak	Horizontal
	8199.5	29.8	12.0	41.8	74.0	-32.2	Peak	Horizontal
*	10086.5	27.8	15.7	43.5	68.2	-24.7	Peak	Horizontal
*	12721.5	27.3	18.8	46.1	68.2	-22.1	Peak	Horizontal
	7536.5	29.7	12.8	42.5	74.0	-31.5	Peak	Vertical
	8327.0	30.8	11.9	42.7	74.0	-31.3	Peak	Vertical
*	10146.0	28.6	16.0	44.6	68.2	-23.6	Peak	Vertical
*	12951.0	27.5	19.7	47.2	68.2	-21.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT80 - Ant 2	Test Channel:	106
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7434.5	29.1	12.7	41.8	74.0	-32.2	Peak	Horizontal
	8318.5	29.7	11.9	41.6	74.0	-32.4	Peak	Horizontal
*	9984.5	27.9	15.4	43.3	68.2	-24.9	Peak	Horizontal
*	12951.0	27.5	19.7	47.2	68.2	-21.0	Peak	Horizontal
	7434.5	29.1	12.7	41.8	74.0	-32.2	Peak	Vertical
	8310.0	29.3	11.9	41.2	74.0	-32.8	Peak	Vertical
*	9848.5	27.3	16.1	43.4	68.2	-24.8	Peak	Vertical
*	12781.0	27.6	19.0	46.6	68.2	-21.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT80 - Ant 2	Test Channel:	122
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7519.5	29.6	12.8	42.4	74.0	-31.6	Peak	Horizontal
	8310.0	29.2	11.9	41.1	74.0	-32.9	Peak	Horizontal
*	10171.5	30.4	16.1	46.5	68.2	-21.7	Peak	Horizontal
*	12781.0	27.6	19.0	46.6	68.2	-21.6	Peak	Horizontal
	7519.5	29.6	12.8	42.4	74.0	-31.6	Peak	Vertical
	8310.0	30.5	11.9	42.4	74.0	-31.6	Peak	Vertical
*	9797.5	28.8	15.1	43.9	68.2	-24.3	Peak	Vertical
*	12815.0	26.8	19.1	45.9	68.2	-22.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT80 - Ant 2	Test Channel:	138
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7468.5	29.8	12.8	42.6	74.0	-31.4	Peak	Horizontal
	8352.5	29.3	12.0	41.3	74.0	-32.7	Peak	Horizontal
*	9857.0	28.2	16.2	44.4	68.2	-23.8	Peak	Horizontal
*	12815.0	26.8	19.1	45.9	68.2	-22.3	Peak	Horizontal
	7468.5	29.8	12.8	42.6	74.0	-31.4	Peak	Vertical
	8386.5	30.1	12.1	42.2	74.0	-31.8	Peak	Vertical
*	9678.5	29.1	14.6	43.7	68.2	-24.5	Peak	Vertical
*	12721.5	28.6	18.8	47.4	68.2	-20.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11a - Ant 1 + 2 (CDD Mode)	Test Channel:	52
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7443.0	29.8	12.7	42.5	74.0	-31.5	Peak	Horizontal
	8480.0	29.7	12.7	42.4	74.0	-31.6	Peak	Horizontal
*	10214.0	28.9	16.3	45.2	68.2	-23.0	Peak	Horizontal
*	12840.5	29.2	19.2	48.4	68.2	-19.8	Peak	Horizontal
	7443.0	29.8	12.7	42.5	74.0	-31.5	Peak	Vertical
	8242.0	29.5	11.9	41.4	74.0	-32.6	Peak	Vertical
*	9738.0	28.8	14.8	43.6	68.2	-24.6	Peak	Vertical
*	12925.5	27.0	19.6	46.6	68.2	-21.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11a - Ant 1 + 2 (CDD Mode)	Test Channel:	60
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7468.5	30.4	12.8	43.2	74.0	-30.8	Peak	Horizontal
	8463.0	29.1	12.6	41.7	74.0	-32.3	Peak	Horizontal
*	10401.0	28.2	16.9	45.1	68.2	-23.1	Peak	Horizontal
*	12925.5	27.0	19.6	46.6	68.2	-21.6	Peak	Horizontal
	7468.5	30.4	12.8	43.2	74.0	-30.8	Peak	Vertical
	8429.0	29.7	12.4	42.1	74.0	-31.9	Peak	Vertical
*	9857.0	28.1	16.2	44.3	68.2	-23.9	Peak	Vertical
*	12840.5	28.9	19.2	48.1	68.2	-20.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11a - Ant 1 + 2 (CDD Mode)	Test Channel:	64
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7502.5	29.7	12.8	42.5	74.0	-31.5	Peak	Horizontal
	8216.5	30.7	11.9	42.6	74.0	-31.4	Peak	Horizontal
*	10307.5	28.7	16.6	45.3	68.2	-22.9	Peak	Horizontal
*	12840.5	28.9	19.2	48.1	68.2	-20.1	Peak	Horizontal
	7502.5	29.7	12.8	42.5	74.0	-31.5	Peak	Vertical
	8352.5	29.1	12.0	41.1	74.0	-32.9	Peak	Vertical
*	10120.5	29.3	15.8	45.1	68.2	-23.1	Peak	Vertical
*	12840.5	28.0	19.2	47.2	68.2	-21.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11a - Ant 1 + 2 (CDD Mode)	Test Channel:	100
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7434.5	30.4	12.7	43.1	74.0	-30.9	Peak	Horizontal
	8165.5	29.2	12.1	41.3	74.0	-32.7	Peak	Horizontal
*	10120.5	30.0	15.8	45.8	68.2	-22.4	Peak	Horizontal
*	12840.5	28.0	19.2	47.2	68.2	-21.0	Peak	Horizontal
	7434.5	30.4	12.7	43.1	74.0	-30.9	Peak	Vertical
	8463.0	30.0	12.6	42.6	74.0	-31.4	Peak	Vertical
*	10120.5	29.4	15.8	45.2	68.2	-23.0	Peak	Vertical
*	12891.5	28.3	19.4	47.7	68.2	-20.5	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11a - Ant 1 + 2 (CDD Mode)	Test Channel:	116
Remark:	3. Average measurement was not performed if peak level lower than average limit. 4. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7400.5	29.7	12.6	42.3	74.0	-31.7	Peak	Horizontal
	8463.0	29.1	12.6	41.7	74.0	-32.3	Peak	Horizontal
*	10214.0	28.8	16.3	45.1	68.2	-23.1	Peak	Horizontal
*	12891.5	28.3	19.4	47.7	68.2	-20.5	Peak	Horizontal
	7400.5	29.7	12.6	42.3	74.0	-31.7	Peak	Vertical
	8310.0	29.8	11.9	41.7	74.0	-32.3	Peak	Vertical
*	9976.0	28.2	15.3	43.5	68.2	-24.7	Peak	Vertical
*	12840.5	28.5	19.2	47.7	68.2	-20.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11a - Ant 1 + 2 (CDD Mode)	Test Channel:	120
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7400.5	29.8	12.6	42.4	74.0	-31.6	Peak	Horizontal
	8429.0	29.4	12.4	41.8	74.0	-32.2	Peak	Horizontal
*	10171.5	30.1	16.1	46.2	68.2	-22.0	Peak	Horizontal
*	12840.5	28.5	19.2	47.7	68.2	-20.5	Peak	Horizontal
	7400.5	29.8	12.6	42.4	74.0	-31.6	Peak	Vertical
	8216.5	31.6	11.9	43.5	74.0	-30.5	Peak	Vertical
*	10197.0	28.4	16.2	44.6	68.2	-23.6	Peak	Vertical
*	12815.0	26.9	19.1	46.0	68.2	-22.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11a - Ant 1 + 2 (CDD Mode)	Test Channel:	140
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7570.5	29.3	12.8	42.1	74.0	-31.9	Peak	Horizontal
	8352.5	29.7	12.0	41.7	74.0	-32.3	Peak	Horizontal
*	10095.0	28.2	15.7	43.9	68.2	-24.3	Peak	Horizontal
*	12815.0	26.9	19.1	46.0	68.2	-22.2	Peak	Horizontal
	7570.5	29.3	12.8	42.1	74.0	-31.9	Peak	Vertical
	8318.5	29.3	11.9	41.2	74.0	-32.8	Peak	Vertical
*	9772.0	28.8	14.9	43.7	68.2	-24.5	Peak	Vertical
*	12840.5	28.5	19.2	47.7	68.2	-20.5	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11a - Ant 1 + 2 (CDD Mode)	Test Channel:	144
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7570.5	29.8	12.8	42.6	74.0	-31.4	Peak	Horizontal
	8199.5	28.6	12.0	40.6	74.0	-33.4	Peak	Horizontal
*	10120.5	29.3	15.8	45.1	68.2	-23.1	Peak	Horizontal
*	12840.5	28.5	19.2	47.7	68.2	-20.5	Peak	Horizontal
	7570.5	29.8	12.8	42.6	74.0	-31.4	Peak	Vertical
	8395.0	29.8	12.2	42.0	74.0	-32.0	Peak	Vertical
*	9814.5	28.4	15.4	43.8	68.2	-24.4	Peak	Vertical
*	12721.5	27.4	18.8	46.2	68.2	-22.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT20 - Ant 1 + 2 (CDD Mode)	Test Channel:	52
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7366.5	29.8	12.5	42.3	74.0	-31.7	Peak	Horizontal
	8199.5	28.6	12.0	40.6	74.0	-33.4	Peak	Horizontal
*	9899.5	29.0	15.4	44.4	68.2	-23.8	Peak	Horizontal
*	12721.5	27.4	18.8	46.2	68.2	-22.0	Peak	Horizontal
	7434.5	29.2	12.7	41.9	74.0	-32.1	Peak	Vertical
	8276.0	29.5	11.9	41.4	74.0	-32.6	Peak	Vertical
*	10307.5	29.0	16.6	45.6	68.2	-22.6	Peak	Vertical
*	12721.5	27.4	18.8	46.2	68.2	-22.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT20 - Ant 1 + 2 (CDD Mode)	Test Channel:	60
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7434.5	29.2	12.7	41.9	74.0	-32.1	Peak	Horizontal
	8463.0	29.4	12.6	42.0	74.0	-32.0	Peak	Horizontal
*	9967.5	28.2	15.3	43.5	68.2	-24.7	Peak	Horizontal
*	12951.0	28.1	19.7	47.8	68.2	-20.4	Peak	Horizontal
	7553.5	31.3	12.8	44.1	74.0	-29.9	Peak	Vertical
	8276.0	29.4	11.9	41.3	74.0	-32.7	Peak	Vertical
*	10214.0	28.5	16.3	44.8	68.2	-23.4	Peak	Vertical
*	12951.0	28.1	19.7	47.8	68.2	-20.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT20 - Ant 1 + 2 (CDD Mode)	Test Channel:	64
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7553.5	31.3	12.8	44.1	74.0	-29.9	Peak	Horizontal
	8386.5	29.8	12.1	41.9	74.0	-32.1	Peak	Horizontal
*	9933.5	28.9	15.3	44.2	68.2	-24.0	Peak	Horizontal
*	12781.0	28.8	19.0	47.8	68.2	-20.4	Peak	Horizontal
	7375.0	30.0	12.5	42.5	74.0	-31.5	Peak	Vertical
	8165.5	29.0	12.1	41.1	74.0	-32.9	Peak	Vertical
*	10120.5	29.0	15.8	44.8	68.2	-23.4	Peak	Vertical
*	12781.0	28.8	19.0	47.8	68.2	-20.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT20 - Ant 1 + 2 (CDD Mode)	Test Channel:	100
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7375.0	30.0	12.5	42.5	74.0	-31.5	Peak	Horizontal
	8250.5	29.0	11.9	40.9	74.0	-33.1	Peak	Horizontal
*	10214.0	28.5	16.3	44.8	68.2	-23.4	Peak	Horizontal
*	12781.0	28.1	19.0	47.1	68.2	-21.1	Peak	Horizontal
	7366.5	29.4	12.5	41.9	74.0	-32.1	Peak	Vertical
	8276.0	29.7	11.9	41.6	74.0	-32.4	Peak	Vertical
*	10044.0	28.2	15.5	43.7	68.2	-24.5	Peak	Vertical
*	12781.0	28.1	19.0	47.1	68.2	-21.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT20 - Ant 1 + 2 (CDD Mode)	Test Channel:	116
Remark:	3. Average measurement was not performed if peak level lower than average limit. 4. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7366.5	29.4	12.5	41.9	74.0	-32.1	Peak	Horizontal
	8361.0	29.8	12.0	41.8	74.0	-32.2	Peak	Horizontal
*	9984.5	28.3	15.4	43.7	68.2	-24.5	Peak	Horizontal
*	12891.5	29.1	19.4	48.5	68.2	-19.7	Peak	Horizontal
	7570.5	29.5	12.8	42.3	74.0	-31.7	Peak	Vertical
	8310.0	29.2	11.9	41.1	74.0	-32.9	Peak	Vertical
*	10120.5	29.1	15.8	44.9	68.2	-23.3	Peak	Vertical
*	12891.5	29.1	19.4	48.5	68.2	-19.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT20 - Ant 1 + 2 (CDD Mode)	Test Channel:	120
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7570.5	29.5	12.8	42.3	74.0	-31.7	Peak	Horizontal
	8352.5	29.1	12.0	41.1	74.0	-32.9	Peak	Horizontal
*	9857.0	27.2	16.2	43.4	68.2	-24.8	Peak	Horizontal
*	12781.0	28.7	19.0	47.7	68.2	-20.5	Peak	Horizontal
	7366.5	29.9	12.5	42.4	74.0	-31.6	Peak	Vertical
	8276.0	30.5	11.9	42.4	74.0	-31.6	Peak	Vertical
*	10171.5	30.1	16.1	46.2	68.2	-22.0	Peak	Vertical
*	12781.0	28.7	19.0	47.7	68.2	-20.5	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT20 - Ant 1 + 2 (CDD Mode)	Test Channel:	140
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7366.5	29.9	12.5	42.4	74.0	-31.6	Peak	Horizontal
	8242.0	29.3	11.9	41.2	74.0	-32.8	Peak	Horizontal
*	9899.5	29.1	15.4	44.5	68.2	-23.7	Peak	Horizontal
*	12721.5	27.3	18.8	46.1	68.2	-22.1	Peak	Horizontal
	7502.5	29.7	12.8	42.5	74.0	-31.5	Peak	Vertical
	8199.5	30.3	12.0	42.3	74.0	-31.7	Peak	Vertical
*	10265.0	28.1	16.5	44.6	68.2	-23.6	Peak	Vertical
*	12721.5	27.3	18.8	46.1	68.2	-22.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT20 - Ant 1 + 2 (CDD Mode)	Test Channel:	144
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7502.5	29.7	12.8	42.5	74.0	-31.5	Peak	Horizontal
	8310.0	30.6	11.9	42.5	74.0	-31.5	Peak	Horizontal
*	10120.5	30.6	15.8	46.4	68.2	-21.8	Peak	Horizontal
*	12781.0	27.4	19.0	46.4	68.2	-21.8	Peak	Horizontal
	7536.5	30.7	12.8	43.5	74.0	-30.5	Peak	Vertical
	8318.5	30.0	11.9	41.9	74.0	-32.1	Peak	Vertical
*	10180.0	29.5	16.1	45.6	68.2	-22.6	Peak	Vertical
*	12781.0	27.4	19.0	46.4	68.2	-21.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT40 - Ant 1 + 2 (CDD Mode)	Test Channel:	54
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7332.5	29.9	12.4	42.3	74.0	-31.7	Peak	Horizontal
	8318.5	29.9	11.9	41.8	74.0	-32.2	Peak	Horizontal
*	9993.0	29.1	15.4	44.5	68.2	-23.7	Peak	Horizontal
*	13010.5	28.2	19.9	48.1	68.2	-20.1	Peak	Horizontal
	7366.5	29.5	12.5	42.0	74.0	-32.0	Peak	Vertical
	8386.5	29.4	12.1	41.5	74.0	-32.5	Peak	Vertical
*	10214.0	29.0	16.3	45.3	68.2	-22.9	Peak	Vertical
*	13010.5	28.2	19.9	48.1	68.2	-20.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT40 - Ant 1 + 2 (CDD Mode)	Test Channel:	62
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7366.5	29.5	12.5	42.0	74.0	-32.0	Peak	Horizontal
	8276.0	29.0	11.9	40.9	74.0	-33.1	Peak	Horizontal
*	9857.0	27.2	16.2	43.4	68.2	-24.8	Peak	Horizontal
*	12891.5	28.0	19.4	47.4	68.2	-20.8	Peak	Horizontal
	7434.5	29.8	12.7	42.5	74.0	-31.5	Peak	Vertical
	8199.5	30.4	12.0	42.4	74.0	-31.6	Peak	Vertical
*	9942.0	28.7	15.3	44.0	68.2	-24.2	Peak	Vertical
*	12891.5	28.0	19.4	47.4	68.2	-20.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT40 - Ant 1 + 2 (CDD Mode)	Test Channel:	102
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7434.5	29.8	12.7	42.5	74.0	-31.5	Peak	Horizontal
	8208.0	30.3	11.9	42.2	74.0	-31.8	Peak	Horizontal
*	9993.0	29.4	15.4	44.8	68.2	-23.4	Peak	Horizontal
*	12891.5	28.1	19.4	47.5	68.2	-20.7	Peak	Horizontal
	7400.5	30.0	12.6	42.6	74.0	-31.4	Peak	Vertical
	8310.0	30.3	11.9	42.2	74.0	-31.8	Peak	Vertical
*	10120.5	29.1	15.8	44.9	68.2	-23.3	Peak	Vertical
*	12891.5	28.1	19.4	47.5	68.2	-20.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT40 - Ant 1 + 2 (CDD Mode)	Test Channel:	110
Remark:	3. Average measurement was not performed if peak level lower than average limit. 4. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7400.5	30.0	12.6	42.6	74.0	-31.4	Peak	Horizontal
	8361.0	28.6	12.0	40.6	74.0	-33.4	Peak	Horizontal
*	9899.5	29.2	15.4	44.6	68.2	-23.6	Peak	Horizontal
*	13070.0	27.8	20.0	47.8	68.2	-20.4	Peak	Horizontal
	7366.5	29.1	12.5	41.6	74.0	-32.4	Peak	Vertical
	8276.0	28.8	11.9	40.7	74.0	-33.3	Peak	Vertical
*	10120.5	29.3	15.8	45.1	68.2	-23.1	Peak	Vertical
*	13070.0	27.8	20.0	47.8	68.2	-20.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT40 - Ant 1 + 2 (CDD Mode)	Test Channel:	118
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7366.5	29.1	12.5	41.6	74.0	-32.4	Peak	Horizontal
	8276.0	28.7	11.9	40.6	74.0	-33.4	Peak	Horizontal
*	9857.0	27.6	16.2	43.8	68.2	-24.4	Peak	Horizontal
*	12951.0	27.2	19.7	46.9	68.2	-21.3	Peak	Horizontal
	7468.5	29.4	12.8	42.2	74.0	-31.8	Peak	Vertical
	8310.0	28.9	11.9	40.8	74.0	-33.2	Peak	Vertical
*	10120.5	29.5	15.8	45.3	68.2	-22.9	Peak	Vertical
*	12951.0	27.2	19.7	46.9	68.2	-21.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT40 - Ant 1 + 2 (CDD Mode)	Test Channel:	134
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7468.5	29.4	12.8	42.2	74.0	-31.8	Peak	Horizontal
	8429.0	29.4	12.4	41.8	74.0	-32.2	Peak	Horizontal
*	9814.5	29.1	15.4	44.5	68.2	-23.7	Peak	Horizontal
*	12891.5	28.4	19.4	47.8	68.2	-20.4	Peak	Horizontal
	7434.5	29.0	12.7	41.7	74.0	-32.3	Peak	Vertical
	8242.0	29.5	11.9	41.4	74.0	-32.6	Peak	Vertical
*	10214.0	29.1	16.3	45.4	68.2	-22.8	Peak	Vertical
*	12891.5	28.4	19.4	47.8	68.2	-20.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT40 - Ant 1 + 2 (CDD Mode)	Test Channel:	142
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7434.5	29.0	12.7	41.7	74.0	-32.3	Peak	Horizontal
	8242.0	29.8	11.9	41.7	74.0	-32.3	Peak	Horizontal
*	10035.5	28.1	15.5	43.6	68.2	-24.6	Peak	Horizontal
*	12951.0	28.2	19.7	47.9	68.2	-20.3	Peak	Horizontal
	7400.5	30.3	12.6	42.9	74.0	-31.1	Peak	Vertical
	8386.5	30.0	12.1	42.1	74.0	-31.9	Peak	Vertical
*	10265.0	28.6	16.5	45.1	68.2	-23.1	Peak	Vertical
*	12951.0	28.2	19.7	47.9	68.2	-20.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT20 - Ant 1 + 2 (CDD Mode)	Test Channel:	52
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7468.5	29.6	12.8	42.4	74.0	-31.6	Peak	Horizontal
	8352.5	30.0	12.0	42.0	74.0	-32.0	Peak	Horizontal
*	10120.5	30.2	15.8	46.0	68.2	-22.2	Peak	Horizontal
*	12891.5	28.5	19.4	47.9	68.2	-20.3	Peak	Horizontal
	7434.5	29.5	12.7	42.2	74.0	-31.8	Peak	Vertical
	8429.0	29.2	12.4	41.6	74.0	-32.4	Peak	Vertical
*	10214.0	28.7	16.3	45.0	68.2	-23.2	Peak	Vertical
*	12891.5	28.5	19.4	47.9	68.2	-20.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT20 - Ant 1 + 2 (CDD Mode)	Test Channel:	60
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7434.5	29.5	12.7	42.2	74.0	-31.8	Peak	Horizontal
	8369.5	30.6	12.1	42.7	74.0	-31.3	Peak	Horizontal
*	9874.0	28.9	15.8	44.7	68.2	-23.5	Peak	Horizontal
*	12840.5	27.3	19.2	46.5	68.2	-21.7	Peak	Horizontal
	7502.5	29.8	12.8	42.6	74.0	-31.4	Peak	Vertical
	8386.5	30.1	12.1	42.2	74.0	-31.8	Peak	Vertical
*	10171.5	29.7	16.1	45.8	68.2	-22.4	Peak	Vertical
*	12840.5	27.3	19.2	46.5	68.2	-21.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT20 - Ant 1 + 2 (CDD Mode)	Test Channel:	64
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7502.5	29.8	12.8	42.6	74.0	-31.4	Peak	Horizontal
	8386.5	29.5	12.1	41.6	74.0	-32.4	Peak	Horizontal
*	10120.5	29.8	15.8	45.6	68.2	-22.6	Peak	Horizontal
*	12840.5	27.6	19.2	46.8	68.2	-21.4	Peak	Horizontal
	7502.5	30.0	12.8	42.8	74.0	-31.2	Peak	Vertical
	8242.0	29.2	11.9	41.1	74.0	-32.9	Peak	Vertical
*	10265.0	28.5	16.5	45.0	68.2	-23.2	Peak	Vertical
*	12840.5	27.6	19.2	46.8	68.2	-21.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT20 - Ant 1 + 2 (CDD Mode)	Test Channel:	100
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7502.5	30.0	12.8	42.8	74.0	-31.2	Peak	Horizontal
	8276.0	29.5	11.9	41.4	74.0	-32.6	Peak	Horizontal
*	9993.0	29.3	15.4	44.7	68.2	-23.5	Peak	Horizontal
*	12721.5	27.4	18.8	46.2	68.2	-22.0	Peak	Horizontal
	7434.5	30.1	12.7	42.8	74.0	-31.2	Peak	Vertical
	8310.0	30.8	11.9	42.7	74.0	-31.3	Peak	Vertical
*	10171.5	29.6	16.1	45.7	68.2	-22.5	Peak	Vertical
*	12721.5	27.4	18.8	46.2	68.2	-22.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT20 - Ant 1 + 2 (CDD Mode)	Test Channel:	116
Remark:	3. Average measurement was not performed if peak level lower than average limit. 4. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7434.5	30.1	12.7	42.8	74.0	-31.2	Peak	Horizontal
	8463.0	29.7	12.6	42.3	74.0	-31.7	Peak	Horizontal
*	10018.5	28.1	15.4	43.5	68.2	-24.7	Peak	Horizontal
*	12840.5	28.7	19.2	47.9	68.2	-20.3	Peak	Horizontal
	7502.5	30.1	12.8	42.9	74.0	-31.1	Peak	Vertical
	8242.0	29.4	11.9	41.3	74.0	-32.7	Peak	Vertical
*	9772.0	28.9	14.9	43.8	68.2	-24.4	Peak	Vertical
*	12840.5	28.7	19.2	47.9	68.2	-20.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT20 - Ant 1 + 2 (CDD Mode)	Test Channel:	120
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7502.5	30.1	12.8	42.9	74.0	-31.1	Peak	Horizontal
	8352.5	30.1	12.0	42.1	74.0	-31.9	Peak	Horizontal
*	9857.0	28.1	16.2	44.3	68.2	-23.9	Peak	Horizontal
*	12891.5	27.5	19.4	46.9	68.2	-21.3	Peak	Horizontal
	7366.5	30.0	12.5	42.5	74.0	-31.5	Peak	Vertical
	8165.5	30.3	12.1	42.4	74.0	-31.6	Peak	Vertical
*	9942.0	29.0	15.3	44.3	68.2	-23.9	Peak	Vertical
*	12891.5	27.5	19.4	46.9	68.2	-21.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT20 - Ant 1 + 2 (CDD Mode)	Test Channel:	140
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7366.5	30.0	12.5	42.5	74.0	-31.5	Peak	Horizontal
	8276.0	29.4	11.9	41.3	74.0	-32.7	Peak	Horizontal
*	10035.5	28.7	15.5	44.2	68.2	-24.0	Peak	Horizontal
*	12721.5	28.5	18.8	47.3	68.2	-20.9	Peak	Horizontal
	7332.5	30.2	12.4	42.6	74.0	-31.4	Peak	Vertical
	8463.0	29.1	12.6	41.7	74.0	-32.3	Peak	Vertical
*	10120.5	29.4	15.8	45.2	68.2	-23.0	Peak	Vertical
*	12721.5	28.5	18.8	47.3	68.2	-20.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT20 - Ant 1 + 2 (CDD Mode)	Test Channel:	144
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7332.5	30.2	12.4	42.6	74.0	-31.4	Peak	Horizontal
	8471.5	29.8	12.6	42.4	74.0	-31.6	Peak	Horizontal
*	9976.0	28.1	15.3	43.4	68.2	-24.8	Peak	Horizontal
*	12857.5	28.0	19.3	47.3	68.2	-20.9	Peak	Horizontal
	7672.5	30.1	12.5	42.6	74.0	-31.4	Peak	Vertical
	8386.5	29.5	12.1	41.6	74.0	-32.4	Peak	Vertical
*	10171.5	29.8	16.1	45.9	68.2	-22.3	Peak	Vertical
*	12857.5	28.0	19.3	47.3	68.2	-20.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT40 - Ant 1 + 2 (CDD Mode)	Test Channel:	54
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7502.5	29.7	12.8	42.5	74.0	-31.5	Peak	Horizontal
	8310.0	29.8	11.9	41.7	74.0	-32.3	Peak	Horizontal
*	10078.0	29.0	15.6	44.6	68.2	-23.6	Peak	Horizontal
*	12721.5	27.8	18.8	46.6	68.2	-21.6	Peak	Horizontal
	7502.5	29.7	12.8	42.5	74.0	-31.5	Peak	Vertical
	8429.0	29.7	12.4	42.1	74.0	-31.9	Peak	Vertical
*	9899.5	29.2	15.4	44.6	68.2	-23.6	Peak	Vertical
*	13010.5	28.3	19.9	48.2	68.2	-20.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT40 - Ant 1 + 2 (CDD Mode)	Test Channel:	62
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7400.5	29.8	12.6	42.4	74.0	-31.6	Peak	Horizontal
	8276.0	29.8	11.9	41.7	74.0	-32.3	Peak	Horizontal
*	10171.5	29.7	16.1	45.8	68.2	-22.4	Peak	Horizontal
*	13010.5	28.3	19.9	48.2	68.2	-20.0	Peak	Horizontal
	7400.5	29.8	12.6	42.4	74.0	-31.6	Peak	Vertical
	8199.5	29.4	12.0	41.4	74.0	-32.6	Peak	Vertical
*	9857.0	28.8	16.2	45.0	68.2	-23.2	Peak	Vertical
*	12781.0	28.2	19.0	47.2	68.2	-21.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT40 - Ant 1 + 2 (CDD Mode)	Test Channel:	102
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7502.5	30.4	12.8	43.2	74.0	-30.8	Peak	Horizontal
	8352.5	29.0	12.0	41.0	74.0	-33.0	Peak	Horizontal
*	10120.5	30.6	15.8	46.4	68.2	-21.8	Peak	Horizontal
*	12781.0	28.2	19.0	47.2	68.2	-21.0	Peak	Horizontal
	7502.5	30.4	12.8	43.2	74.0	-30.8	Peak	Vertical
	8327.0	31.0	11.9	42.9	74.0	-31.1	Peak	Vertical
*	9899.5	28.6	15.4	44.0	68.2	-24.2	Peak	Vertical
*	12891.5	28.7	19.4	48.1	68.2	-20.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT40 - Ant 1 + 2 (CDD Mode)	Test Channel:	110
Remark:	3. Average measurement was not performed if peak level lower than average limit. 4. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7536.5	29.8	12.8	42.6	74.0	-31.4	Peak	Horizontal
	8242.0	29.5	11.9	41.4	74.0	-32.6	Peak	Horizontal
*	9899.5	29.1	15.4	44.5	68.2	-23.7	Peak	Horizontal
*	12891.5	28.7	19.4	48.1	68.2	-20.1	Peak	Horizontal
	7536.5	29.8	12.8	42.6	74.0	-31.4	Peak	Vertical
	8429.0	29.5	12.4	41.9	74.0	-32.1	Peak	Vertical
*	9942.0	29.4	15.3	44.7	68.2	-23.5	Peak	Vertical
*	12781.0	27.4	19.0	46.4	68.2	-21.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT40 - Ant 1 + 2 (CDD Mode)	Test Channel:	134
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7468.5	29.6	12.8	42.4	74.0	-31.6	Peak	Horizontal
	8310.0	29.5	11.9	41.4	74.0	-32.6	Peak	Horizontal
*	10307.5	29.3	16.6	45.9	68.2	-22.3	Peak	Horizontal
*	12934.0	26.7	19.6	46.3	68.2	-21.9	Peak	Horizontal
	7468.5	29.6	12.8	42.4	74.0	-31.6	Peak	Vertical
	8131.5	29.4	12.2	41.6	74.0	-32.4	Peak	Vertical
*	9721.0	29.4	14.7	44.1	68.2	-24.1	Peak	Vertical
*	13010.5	28.5	19.9	48.4	68.2	-19.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT40 - Ant 1 + 2 (CDD Mode)	Test Channel:	142
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7536.5	29.9	12.8	42.7	74.0	-31.3	Peak	Horizontal
	8429.0	30.3	12.4	42.7	74.0	-31.3	Peak	Horizontal
*	10171.5	30.0	16.1	46.1	68.2	-22.1	Peak	Horizontal
*	13010.5	28.5	19.9	48.4	68.2	-19.8	Peak	Horizontal
	7536.5	29.9	12.8	42.7	74.0	-31.3	Peak	Vertical
	8242.0	29.5	11.9	41.4	74.0	-32.6	Peak	Vertical
*	9967.5	28.2	15.3	43.5	68.2	-24.7	Peak	Vertical
*	12891.5	28.6	19.4	48.0	68.2	-20.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT80 - Ant 1 + 2 (CDD Mode)	Test Channel:	58
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7400.5	29.6	12.6	42.2	74.0	-31.8	Peak	Horizontal
	8242.0	31.3	11.9	43.2	74.0	-30.8	Peak	Horizontal
*	10078.0	30.0	15.6	45.6	68.2	-22.6	Peak	Horizontal
*	12713.0	26.8	18.8	45.6	68.2	-22.6	Peak	Horizontal
	7400.5	29.6	12.6	42.2	74.0	-31.8	Peak	Vertical
	8276.0	28.6	11.9	40.5	74.0	-33.5	Peak	Vertical
*	9772.0	29.5	14.9	44.4	68.2	-23.8	Peak	Vertical
*	12891.5	28.2	19.4	47.6	68.2	-20.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT80 - Ant 1 + 2 (CDD Mode)	Test Channel:	106
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7434.5	29.9	12.7	42.6	74.0	-31.4	Peak	Horizontal
	8352.5	29.2	12.0	41.2	74.0	-32.8	Peak	Horizontal
*	10078.0	28.6	15.6	44.2	68.2	-24.0	Peak	Horizontal
*	12891.5	28.2	19.4	47.6	68.2	-20.6	Peak	Horizontal
	7434.5	29.9	12.7	42.6	74.0	-31.4	Peak	Vertical
	8310.0	30.5	11.9	42.4	74.0	-31.6	Peak	Vertical
*	9899.5	29.1	15.4	44.5	68.2	-23.7	Peak	Vertical
*	12755.5	29.4	18.9	48.3	68.2	-19.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT80 - Ant 1 + 2 (CDD Mode)	Test Channel:	122
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7400.5	29.6	12.6	42.2	74.0	-31.8	Peak	Horizontal
	8250.5	30.1	11.9	42.0	74.0	-32.0	Peak	Horizontal
*	10180.0	29.4	16.1	45.5	68.2	-22.7	Peak	Horizontal
*	12755.5	29.4	18.9	48.3	68.2	-19.9	Peak	Horizontal
	7400.5	29.6	12.6	42.2	74.0	-31.8	Peak	Vertical
	8148.5	31.8	12.1	43.9	74.0	-30.1	Peak	Vertical
*	10120.5	30.7	15.8	46.5	68.2	-21.7	Peak	Vertical
*	12951.0	27.7	19.7	47.4	68.2	-20.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT80 - Ant 1 + 2 (CDD Mode)	Test Channel:	138
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7468.5	30.2	12.8	43.0	74.0	-31.0	Peak	Horizontal
	8199.5	30.6	12.0	42.6	74.0	-31.4	Peak	Horizontal
*	10171.5	29.8	16.1	45.9	68.2	-22.3	Peak	Horizontal
*	12951.0	27.7	19.7	47.4	68.2	-20.8	Peak	Horizontal
	7468.5	30.2	12.8	43.0	74.0	-31.0	Peak	Vertical
	8369.5	30.3	12.1	42.4	74.0	-31.6	Peak	Vertical
*	9942.0	29.4	15.3	44.7	68.2	-23.5	Peak	Vertical
*	12798.0	28.7	19.1	47.8	68.2	-20.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT20 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	52
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7332.5	31.1	12.4	43.5	74.0	-30.5	Peak	Horizontal
	8420.5	29.7	12.3	42.0	74.0	-32.0	Peak	Horizontal
*	9984.5	30.1	15.4	45.5	68.2	-22.7	Peak	Horizontal
*	12755.5	29.2	18.9	48.1	68.2	-20.1	Peak	Horizontal
	7392.0	30.8	12.6	43.4	74.0	-30.6	Peak	Vertical
	8310.0	31.2	11.9	43.1	74.0	-30.9	Peak	Vertical
*	10078.0	30.5	15.6	46.1	68.2	-22.1	Peak	Vertical
*	12755.5	29.2	18.9	48.1	68.2	-20.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT20 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	60
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7392.0	30.8	12.6	43.4	74.0	-30.6	Peak	Horizontal
	8395.0	30.8	12.2	43.0	74.0	-31.0	Peak	Horizontal
*	10027.0	30.3	15.4	45.7	68.2	-22.5	Peak	Horizontal
*	12781.0	30.9	19.0	49.9	68.2	-18.3	Peak	Horizontal
	7434.5	30.9	12.7	43.6	74.0	-30.4	Peak	Vertical
	8276.0	30.7	11.9	42.6	74.0	-31.4	Peak	Vertical
*	9874.0	30.5	15.8	46.3	68.2	-21.9	Peak	Vertical
*	12781.0	30.9	19.0	49.9	68.2	-18.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT20 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	64
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7434.5	30.9	12.7	43.6	74.0	-30.4	Peak	Horizontal
	8352.5	32.4	12.0	44.4	74.0	-29.6	Peak	Horizontal
*	9984.5	30.3	15.4	45.7	68.2	-22.5	Peak	Horizontal
*	12730.0	29.3	18.8	48.1	68.2	-20.1	Peak	Horizontal
	7366.5	32.0	12.5	44.5	74.0	-29.5	Peak	Vertical
	8165.5	30.3	12.1	42.4	74.0	-31.6	Peak	Vertical
*	10137.5	32.4	15.9	48.3	68.2	-19.9	Peak	Vertical
*	12730.0	29.3	18.8	48.1	68.2	-20.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT20 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	100
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7366.5	32.0	12.5	44.5	74.0	-29.5	Peak	Horizontal
	8165.5	31.8	12.1	43.9	74.0	-30.1	Peak	Horizontal
*	10188.5	28.9	16.2	45.1	68.2	-23.1	Peak	Horizontal
*	13002.0	28.7	19.9	48.6	68.2	-19.6	Peak	Horizontal
	7468.5	30.9	12.8	43.7	74.0	-30.3	Peak	Vertical
	8276.0	30.9	11.9	42.8	74.0	-31.2	Peak	Vertical
*	9925.0	32.1	15.3	47.4	68.2	-20.8	Peak	Vertical
*	13002.0	28.7	19.9	48.6	68.2	-19.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT20 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	116
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7468.5	30.9	12.8	43.7	74.0	-30.3	Peak	Horizontal
	8284.5	32.0	11.9	43.9	74.0	-30.1	Peak	Horizontal
*	10188.5	30.0	16.2	46.2	68.2	-22.0	Peak	Horizontal
*	12959.5	29.5	19.7	49.2	68.2	-19.0	Peak	Horizontal
	7468.5	30.9	12.8	43.7	74.0	-30.3	Peak	Vertical
	8250.5	31.0	11.9	42.9	74.0	-31.1	Peak	Vertical
*	10120.5	31.3	15.8	47.1	68.2	-21.1	Peak	Vertical
*	12959.5	29.5	19.7	49.2	68.2	-19.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT20 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	140
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7434.5	31.7	12.7	44.4	74.0	-29.6	Peak	Horizontal
	8199.5	31.5	12.0	43.5	74.0	-30.5	Peak	Horizontal
*	9942.0	30.6	15.3	45.9	68.2	-22.3	Peak	Horizontal
*	12789.5	31.6	19.0	50.6	68.2	-17.6	Peak	Horizontal
	7409.0	30.6	12.6	43.2	74.0	-30.8	Peak	Vertical
	8352.5	31.8	12.0	43.8	74.0	-30.2	Peak	Vertical
*	10035.5	31.7	15.5	47.2	68.2	-21.0	Peak	Vertical
*	12789.5	31.6	19.0	50.6	68.2	-17.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT20 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	144
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7409.0	30.6	12.6	43.2	74.0	-30.8	Peak	Horizontal
	8429.0	31.6	12.4	44.0	74.0	-30.0	Peak	Horizontal
*	10112.0	30.5	15.8	46.3	68.2	-21.9	Peak	Horizontal
*	12951.0	31.4	19.7	51.1	68.2	-17.1	Peak	Horizontal
	7468.5	31.2	12.8	44.0	74.0	-30.0	Peak	Vertical
	8165.5	31.4	12.1	43.5	74.0	-30.5	Peak	Vertical
*	10180.0	30.2	16.1	46.3	68.2	-21.9	Peak	Vertical
*	12951.0	31.4	19.7	51.1	68.2	-17.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT40 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	54
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7468.5	31.5	12.8	44.3	74.0	-29.7	Peak	Horizontal
	8310.0	32.1	11.9	44.0	74.0	-30.0	Peak	Horizontal
*	10265.0	30.8	16.5	47.3	68.2	-20.9	Peak	Horizontal
*	12840.5	30.0	19.2	49.2	68.2	-19.0	Peak	Horizontal
	7468.5	31.7	12.8	44.5	74.0	-29.5	Peak	Vertical
	8395.0	31.5	12.2	43.7	74.0	-30.3	Peak	Vertical
*	9942.0	31.2	15.3	46.5	68.2	-21.7	Peak	Vertical
*	12840.5	30.0	19.2	49.2	68.2	-19.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT40 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	62
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7468.5	31.7	12.8	44.5	74.0	-29.5	Peak	Horizontal
	8284.5	31.7	11.9	43.6	74.0	-30.4	Peak	Horizontal
*	9908.0	32.1	15.3	47.4	68.2	-20.8	Peak	Horizontal
*	12976.5	30.1	19.8	49.9	68.2	-18.3	Peak	Horizontal
	7366.5	31.5	12.5	44.0	74.0	-30.0	Peak	Vertical
	8199.5	31.8	12.0	43.8	74.0	-30.2	Peak	Vertical
*	10120.5	30.9	15.8	46.7	68.2	-21.5	Peak	Vertical
*	12976.5	30.1	19.8	49.9	68.2	-18.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT40 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	102
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7366.5	31.5	12.5	44.0	74.0	-30.0	Peak	Horizontal
	8352.5	31.6	12.0	43.6	74.0	-30.4	Peak	Horizontal
*	10120.5	31.3	15.8	47.1	68.2	-21.1	Peak	Horizontal
*	12781.0	30.2	19.0	49.2	68.2	-19.0	Peak	Horizontal
	8463.0	31.3	12.6	43.9	74.0	-30.1	Peak	Vertical
	11098.0	32.9	18.6	51.5	74.0	-22.5	Peak	Vertical
*	12781.0	30.1	19.0	49.1	68.2	-19.1	Peak	Vertical
*	13486.5	30.4	21.7	52.1	68.2	-16.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT40 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	110
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7468.5	31.0	12.8	43.8	74.0	-30.2	Peak	Horizontal
	8429.0	30.4	12.4	42.8	74.0	-31.2	Peak	Horizontal
*	10163.0	30.3	16.0	46.3	68.2	-21.9	Peak	Horizontal
*	12891.5	30.3	19.4	49.7	68.2	-18.5	Peak	Horizontal
	7332.5	31.8	12.4	44.2	74.0	-29.8	Peak	Vertical
	8386.5	30.7	12.1	42.8	74.0	-31.2	Peak	Vertical
*	10086.5	31.5	15.7	47.2	68.2	-21.0	Peak	Vertical
*	12891.5	30.3	19.4	49.7	68.2	-18.5	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT40 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	134
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7536.5	32.7	12.8	45.5	74.0	-28.5	Peak	Horizontal
	8480.0	32.0	12.7	44.7	74.0	-29.3	Peak	Horizontal
*	9950.5	31.0	15.3	46.3	68.2	-21.9	Peak	Horizontal
*	12951.0	30.5	19.7	50.2	68.2	-18.0	Peak	Horizontal
	7545.0	31.0	12.8	43.8	74.0	-30.2	Peak	Vertical
	8429.0	30.9	12.4	43.3	74.0	-30.7	Peak	Vertical
*	10214.0	31.0	16.3	47.3	68.2	-20.9	Peak	Vertical
*	12951.0	30.5	19.7	50.2	68.2	-18.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11n-HT40 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	142
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8488.5	30.2	12.7	42.9	74.0	-31.1	Peak	Horizontal
	11395.5	34.3	19.1	53.4	74.0	-20.6	Peak	Horizontal
*	12840.5	30.0	19.2	49.2	68.2	-19.0	Peak	Horizontal
*	13546.0	31.4	21.9	53.3	68.2	-14.9	Peak	Horizontal
	7434.5	32.3	12.7	45.0	74.0	-29.0	Peak	Vertical
	8165.5	31.2	12.1	43.3	74.0	-30.7	Peak	Vertical
*	10171.5	30.8	16.1	46.9	68.2	-21.3	Peak	Vertical
*	13546.0	31.4	21.9	53.3	68.2	-14.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11ac-VHT20 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	52
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7358.0	31.0	12.4	43.4	74.0	-30.6	Peak	Horizontal
	8267.5	31.9	11.9	43.8	74.0	-30.2	Peak	Horizontal
*	10180.0	30.5	16.1	46.6	68.2	-21.6	Peak	Horizontal
*	12891.5	29.8	19.4	49.2	68.2	-19.0	Peak	Horizontal
	7358.0	31.0	12.4	43.4	74.0	-30.6	Peak	Vertical
	8276.0	30.8	11.9	42.7	74.0	-31.3	Peak	Vertical
*	9984.5	30.3	15.4	45.7	68.2	-22.5	Peak	Vertical
*	12721.5	29.9	18.8	48.7	68.2	-19.5	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11ac-VHT20 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	60
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7502.5	31.9	12.8	44.7	74.0	-29.3	Peak	Horizontal
	8463.0	32.1	12.6	44.7	74.0	-29.3	Peak	Horizontal
*	10120.5	31.5	15.8	47.3	68.2	-20.9	Peak	Horizontal
*	12721.5	29.9	18.8	48.7	68.2	-19.5	Peak	Horizontal
	7502.5	31.9	12.8	44.7	74.0	-29.3	Peak	Vertical
	8310.0	31.0	11.9	42.9	74.0	-31.1	Peak	Vertical
*	9942.0	31.1	15.3	46.4	68.2	-21.8	Peak	Vertical
*	12951.0	30.7	19.7	50.4	68.2	-17.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11ac-VHT20 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	64
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7579.0	31.1	12.7	43.8	74.0	-30.2	Peak	Horizontal
	8386.5	31.0	12.1	43.1	74.0	-30.9	Peak	Horizontal
*	10120.5	31.1	15.8	46.9	68.2	-21.3	Peak	Horizontal
*	12951.0	30.7	19.7	50.4	68.2	-17.8	Peak	Horizontal
	7579.0	31.1	12.7	43.8	74.0	-30.2	Peak	Vertical
	8242.0	31.4	11.9	43.3	74.0	-30.7	Peak	Vertical
*	9772.0	31.6	14.9	46.5	68.2	-21.7	Peak	Vertical
*	12721.5	31.9	18.8	50.7	68.2	-17.5	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11ac-VHT20 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	100
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7434.5	32.3	12.7	45.0	74.0	-29.0	Peak	Horizontal
	8310.0	32.4	11.9	44.3	74.0	-29.7	Peak	Horizontal
*	10120.5	32.2	15.8	48.0	68.2	-20.2	Peak	Horizontal
*	12721.5	31.9	18.8	50.7	68.2	-17.5	Peak	Horizontal
	7434.5	32.3	12.7	45.0	74.0	-29.0	Peak	Vertical
	8276.0	31.0	11.9	42.9	74.0	-31.1	Peak	Vertical
*	9891.0	30.5	15.5	46.0	68.2	-22.2	Peak	Vertical
*	12840.5	31.7	19.2	50.9	68.2	-17.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11ac-VHT20 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	116
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7366.5	32.5	12.5	45.0	74.0	-29.0	Peak	Horizontal
	8420.5	31.8	12.3	44.1	74.0	-29.9	Peak	Horizontal
*	10222.5	30.0	16.3	46.3	68.2	-21.9	Peak	Horizontal
*	12840.5	31.7	19.2	50.9	68.2	-17.3	Peak	Horizontal
	7366.5	32.5	12.5	45.0	74.0	-29.0	Peak	Vertical
	8310.0	32.6	11.9	44.5	74.0	-29.5	Peak	Vertical
*	9925.0	30.6	15.3	45.9	68.2	-22.3	Peak	Vertical
*	12789.5	29.5	19.0	48.5	68.2	-19.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11ac-VHT20 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	140
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7392.0	31.3	12.6	43.9	74.0	-30.1	Peak	Horizontal
	8310.0	31.5	11.9	43.4	74.0	-30.6	Peak	Horizontal
*	10171.5	31.0	16.1	47.1	68.2	-21.1	Peak	Horizontal
*	12781.0	30.6	19.0	49.6	68.2	-18.6	Peak	Horizontal
	7392.0	31.3	12.6	43.9	74.0	-30.1	Peak	Vertical
	8293.0	32.2	11.9	44.1	74.0	-29.9	Peak	Vertical
*	9967.5	30.7	15.3	46.0	68.2	-22.2	Peak	Vertical
*	12781.0	29.7	19.0	48.7	68.2	-19.5	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11ac-VHT20 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	144
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7468.5	30.5	12.8	43.3	74.0	-30.7	Peak	Horizontal
	8429.0	29.9	12.4	42.3	74.0	-31.7	Peak	Horizontal
*	10214.0	29.7	16.3	46.0	68.2	-22.2	Peak	Horizontal
*	12781.0	29.7	19.0	48.7	68.2	-19.5	Peak	Horizontal
	7468.5	30.5	12.8	43.3	74.0	-30.7	Peak	Vertical
	8429.0	31.0	12.4	43.4	74.0	-30.6	Peak	Vertical
*	10035.5	32.1	15.5	47.6	68.2	-20.6	Peak	Vertical
*	13010.5	29.4	19.9	49.3	68.2	-18.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11ac-VHT40 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	54
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7570.5	31.9	12.8	44.7	74.0	-29.3	Peak	Horizontal
	8310.0	31.5	11.9	43.4	74.0	-30.6	Peak	Horizontal
*	9942.0	30.6	15.3	45.9	68.2	-22.3	Peak	Horizontal
*	12781.0	30.8	19.0	49.8	68.2	-18.4	Peak	Horizontal
	7570.5	31.9	12.8	44.7	74.0	-29.3	Peak	Vertical
	8463.0	31.2	12.6	43.8	74.0	-30.2	Peak	Vertical
*	10078.0	30.3	15.6	45.9	68.2	-22.3	Peak	Vertical
*	13070.0	30.2	20.0	50.2	68.2	-18.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11ac-VHT40 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	52
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7502.5	31.6	12.8	44.4	74.0	-29.6	Peak	Horizontal
	8199.5	31.4	12.0	43.4	74.0	-30.6	Peak	Horizontal
*	10120.5	32.2	15.8	48.0	68.2	-20.2	Peak	Horizontal
*	13070.0	30.2	20.0	50.2	68.2	-18.0	Peak	Horizontal
	7502.5	31.6	12.8	44.4	74.0	-29.6	Peak	Vertical
	8310.0	31.8	11.9	43.7	74.0	-30.3	Peak	Vertical
*	9993.0	31.2	15.4	46.6	68.2	-21.6	Peak	Vertical
*	13010.5	30.4	19.9	50.3	68.2	-17.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11ac-VHT40 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	102
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7332.5	31.5	12.4	43.9	74.0	-30.1	Peak	Horizontal
	8352.5	31.9	12.0	43.9	74.0	-30.1	Peak	Horizontal
*	10214.0	32.0	16.3	48.3	68.2	-19.9	Peak	Horizontal
*	13010.5	30.4	19.9	50.3	68.2	-17.9	Peak	Horizontal
	7332.5	31.5	12.4	43.9	74.0	-30.1	Peak	Vertical
	8352.5	31.8	12.0	43.8	74.0	-30.2	Peak	Vertical
*	10035.5	31.2	15.5	46.7	68.2	-21.5	Peak	Vertical
*	12891.5	29.7	19.4	49.1	68.2	-19.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11ac-VHT40 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	110
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7536.5	32.0	12.8	44.8	74.0	-29.2	Peak	Horizontal
	8386.5	32.3	12.1	44.4	74.0	-29.6	Peak	Horizontal
*	9942.0	31.1	15.3	46.4	68.2	-21.8	Peak	Horizontal
*	12891.5	29.7	19.4	49.1	68.2	-19.1	Peak	Horizontal
	7536.5	32.0	12.8	44.8	74.0	-29.2	Peak	Vertical
	8463.0	30.7	12.6	43.3	74.0	-30.7	Peak	Vertical
*	10035.5	31.9	15.5	47.4	68.2	-20.8	Peak	Vertical
*	13010.5	31.3	19.9	51.2	68.2	-17.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11ac-VHT40 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	134
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7570.5	32.2	12.8	45.0	74.0	-29.0	Peak	Horizontal
	8310.0	32.0	11.9	43.9	74.0	-30.1	Peak	Horizontal
*	10265.0	32.1	16.5	48.6	68.2	-19.6	Peak	Horizontal
*	12781.0	30.1	19.0	49.1	68.2	-19.1	Peak	Horizontal
	7570.5	32.2	12.8	45.0	74.0	-29.0	Peak	Vertical
	8395.0	31.2	12.2	43.4	74.0	-30.6	Peak	Vertical
*	9959.0	30.3	15.3	45.6	68.2	-22.6	Peak	Vertical
*	12840.5	29.9	19.2	49.1	68.2	-19.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11ac-VHT40 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	142
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	9015.5	31.1	14.2	45.3	74.0	-28.7	Peak	Horizontal
	11497.5	33.4	19.3	52.7	74.0	-21.3	Peak	Horizontal
*	12840.5	29.9	19.2	49.1	68.2	-19.1	Peak	Horizontal
*	13427.0	30.7	21.5	52.2	68.2	-16.0	Peak	Horizontal
	7536.5	31.8	12.8	44.6	74.0	-29.4	Peak	Vertical
	8199.5	30.9	12.0	42.9	74.0	-31.1	Peak	Vertical
*	10035.5	31.9	15.5	47.4	68.2	-20.8	Peak	Vertical
*	12781.0	30.4	19.0	49.4	68.2	-18.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11ac-VHT80 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	58
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7332.5	32.0	12.4	44.4	74.0	-29.6	Peak	Horizontal
	8463.0	32.4	12.6	45.0	74.0	-29.0	Peak	Horizontal
*	10197.0	30.5	16.2	46.7	68.2	-21.5	Peak	Horizontal
*	12781.0	29.6	19.0	48.6	68.2	-19.6	Peak	Horizontal
	7332.5	32.0	12.4	44.4	74.0	-29.6	Peak	Vertical
	8310.0	31.9	11.9	43.8	74.0	-30.2	Peak	Vertical
*	9899.5	30.9	15.4	46.3	68.2	-21.9	Peak	Vertical
*	12891.5	30.3	19.4	49.7	68.2	-18.5	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11ac-VHT80 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	106
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7332.5	32.8	12.4	45.2	74.0	-28.8	Peak	Horizontal
	8310.0	31.7	11.9	43.6	74.0	-30.4	Peak	Horizontal
*	10120.5	31.5	15.8	47.3	68.2	-20.9	Peak	Horizontal
*	12891.5	30.3	19.4	49.7	68.2	-18.5	Peak	Horizontal
	7332.5	32.8	12.4	45.2	74.0	-28.8	Peak	Vertical
	8131.5	31.5	12.2	43.7	74.0	-30.3	Peak	Vertical
*	9899.5	30.8	15.4	46.2	68.2	-22.0	Peak	Vertical
*	12840.5	30.7	19.2	49.9	68.2	-18.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11ac-VHT80 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	122
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7332.5	31.6	12.4	44.0	74.0	-30.0	Peak	Horizontal
	8199.5	32.9	12.0	44.9	74.0	-29.1	Peak	Horizontal
*	9993.0	30.9	15.4	46.3	68.2	-21.9	Peak	Horizontal
*	12840.5	30.7	19.2	49.9	68.2	-18.3	Peak	Horizontal
	7332.5	31.6	12.4	44.0	74.0	-30.0	Peak	Vertical
	8242.0	30.6	11.9	42.5	74.0	-31.5	Peak	Vertical
*	9993.0	31.0	15.4	46.4	68.2	-21.8	Peak	Vertical
*	12781.0	30.2	19.0	49.2	68.2	-19.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AC220 Wi-Fi AP OD small omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/13
Test Mode:	802.11ac-VHT80 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	138
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7332.5	31.4	12.4	43.8	74.0	-30.2	Peak	Horizontal
	8310.0	32.1	11.9	44.0	74.0	-30.0	Peak	Horizontal
*	10171.5	31.2	16.1	47.3	68.2	-20.9	Peak	Horizontal
*	12781.0	30.2	19.0	49.2	68.2	-19.0	Peak	Horizontal
	7332.5	31.4	12.4	43.8	74.0	-30.2	Peak	Vertical
	8352.5	31.5	12.0	43.5	74.0	-30.5	Peak	Vertical
*	9772.0	31.2	14.9	46.1	68.2	-22.1	Peak	Vertical
*	12840.5	30.0	19.2	49.2	68.2	-19.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)