

Product	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3 (CDD Mode)	Test Channel:	44
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is 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	34.0	13.7	47.7	68.2	-20.5	Peak	Horizontal
*	9772.0	34.5	14.9	49.4	68.2	-18.8	Peak	Horizontal
	11030.0	32.1	18.5	50.6	54.0	-3.4	Peak	Horizontal
	11846.0	32.2	18.7	50.9	54.0	-3.1	Peak	Horizontal
*	8862.5	34.1	14.0	48.1	68.2	-20.1	Peak	Vertical
*	9891.0	36.0	15.5	51.5	68.2	-16.7	Peak	Vertical
	11276.5	31.8	18.8	50.6	54.0	-3.4	Peak	Vertical
	12007.5	32.3	18.7	51.0	54.0	-3.0	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3 (CDD Mode)	Test Channel:	48
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is 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	34.8	14.0	48.8	68.2	-19.4	Peak	Horizontal
*	10018.5	36.0	15.4	51.4	68.2	-16.8	Peak	Horizontal
	11327.5	33.1	18.9	52.0	54.0	-2.0	Peak	Horizontal
	12084.0	32.7	18.9	51.6	54.0	-2.4	Peak	Horizontal
*	8777.5	33.8	13.9	47.7	68.2	-20.5	Peak	Vertical
*	9993.0	36.1	15.4	51.5	68.2	-16.7	Peak	Vertical
	10928.0	34.1	18.4	52.5	54.0	-1.5	Peak	Vertical
	12126.5	33.0	18.9	51.9	54.0	-2.1	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3 (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
*	8879.5	34.9	14.0	48.9	68.2	-19.3	Peak	Horizontal
*	9899.5	34.9	15.4	50.3	68.2	-17.9	Peak	Horizontal
	10851.5	33.9	18.1	52.0	54.0	-2.0	Peak	Horizontal
	11642.0	33.1	19.4	52.5	54.0	-1.5	Peak	Horizontal
*	8777.5	34.9	13.9	48.8	68.2	-19.4	Peak	Vertical
*	10333.0	34.6	16.7	51.3	68.2	-16.9	Peak	Vertical
	11404.0	33.4	19.1	52.5	54.0	-1.5	Peak	Vertical
	12585.5	33.4	18.7	52.1	54.0	-1.9	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3 (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
*	8803.0	33.6	14.0	47.6	68.2	-20.6	Peak	Horizontal
*	9772.0	34.3	14.9	49.2	68.2	-19.0	Peak	Horizontal
	10877.0	34.1	18.2	52.3	54.0	-1.7	Peak	Horizontal
	12177.5	32.6	18.8	51.4	54.0	-2.6	Peak	Horizontal
*	8862.5	34.9	14.0	48.9	68.2	-19.3	Peak	Vertical
*	9899.5	34.4	15.4	49.8	68.2	-18.4	Peak	Vertical
	11081.0	33.0	18.6	51.6	54.0	-2.4	Peak	Vertical
	12517.5	33.1	18.6	51.7	54.0	-2.3	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3 (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
*	7978.5	36.4	12.5	48.9	68.2	-19.3	Peak	Horizontal
*	8845.5	34.0	14.0	48.0	68.2	-20.2	Peak	Horizontal
	11072.5	32.1	18.6	50.7	54.0	-3.3	Peak	Horizontal
	12109.5	31.4	18.9	50.3	54.0	-3.7	Peak	Horizontal
*	8862.5	34.4	14.0	48.4	68.2	-19.8	Peak	Vertical
*	9942.0	34.9	15.3	50.2	68.2	-18.0	Peak	Vertical
	11021.5	32.5	18.5	51.0	54.0	-3.0	Peak	Vertical
	12135.0	32.6	18.9	51.5	54.0	-2.5	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3 (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
*	8871.0	33.7	14.0	47.7	68.2	-20.5	Peak	Horizontal
*	9780.5	34.2	14.9	49.1	68.2	-19.1	Peak	Horizontal
	10851.5	33.1	18.1	51.2	54.0	-2.8	Peak	Horizontal
	11820.5	33.0	18.7	51.7	54.0	-2.3	Peak	Horizontal
*	8777.5	33.1	13.9	47.0	68.2	-21.2	Peak	Vertical
*	10052.5	33.5	15.5	49.0	68.2	-19.2	Peak	Vertical
	10987.5	31.8	18.5	50.3	54.0	-3.7	Peak	Vertical
	12339.0	31.6	18.5	50.1	54.0	-3.9	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3 (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
*	8811.5	33.2	14.0	47.2	68.2	-21.0	Peak	Horizontal
*	10027.0	35.3	15.4	50.7	68.2	-17.5	Peak	Horizontal
	10970.5	33.0	18.4	51.4	54.0	-2.6	Peak	Horizontal
	12160.5	33.3	18.9	52.2	54.0	-1.8	Peak	Horizontal
*	8692.5	33.6	13.7	47.3	68.2	-20.9	Peak	Vertical
*	9823.0	34.7	15.6	50.3	68.2	-17.9	Peak	Vertical
	11344.5	33.3	19.0	52.3	54.0	-1.7	Peak	Vertical
	11965.0	32.6	18.6	51.2	54.0	-2.8	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3 (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
*	8879.5	34.6	14.0	48.6	68.2	-19.6	Peak	Horizontal
*	10163.0	33.0	16.0	49.0	68.2	-19.2	Peak	Horizontal
	11174.5	32.9	18.7	51.6	54.0	-2.4	Peak	Horizontal
	12058.5	32.4	18.8	51.2	54.0	-2.8	Peak	Horizontal
*	8769.0	35.4	13.9	49.3	68.2	-18.9	Peak	Vertical
*	9959.0	35.2	15.3	50.5	68.2	-17.7	Peak	Vertical
	10885.5	34.6	18.3	52.9	54.0	-1.1	Peak	Vertical
	11939.5	33.9	18.6	52.5	54.0	-1.5	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3 (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
*	8743.5	33.5	13.9	47.4	68.2	-20.8	Peak	Horizontal
*	9789.0	34.9	15.0	49.9	68.2	-18.3	Peak	Horizontal
	10970.5	32.0	18.4	50.4	54.0	-3.6	Peak	Horizontal
	12058.5	31.6	18.8	50.4	54.0	-3.6	Peak	Horizontal
*	8769.0	32.7	13.9	46.6	68.2	-21.6	Peak	Vertical
*	9874.0	32.7	15.8	48.5	68.2	-19.7	Peak	Vertical
	11064.0	34.0	18.5	52.5	54.0	-1.5	Peak	Vertical
	12186.0	32.6	18.8	51.4	54.0	-2.6	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3 (CDD Mode)	Test Channel:	149
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is 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	33.9	14.0	47.9	68.2	-20.3	Peak	Horizontal
*	9857.0	35.0	16.2	51.2	68.2	-17.0	Peak	Horizontal
	10970.5	32.4	18.4	50.8	54.0	-3.2	Peak	Horizontal
	11812.0	33.6	18.7	52.3	54.0	-1.7	Peak	Horizontal
*	8854.0	34.0	14.0	48.0	68.2	-20.2	Peak	Vertical
*	10095.0	32.9	15.7	48.6	68.2	-19.6	Peak	Vertical
	11021.5	31.9	18.5	50.4	54.0	-3.6	Peak	Vertical
	11786.5	31.7	18.8	50.5	54.0	-3.5	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3 (CDD Mode)	Test Channel:	157
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is 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	35.9	13.6	49.5	68.2	-18.7	Peak	Horizontal
*	9831.5	34.3	15.9	50.2	68.2	-18.0	Peak	Horizontal
	11174.5	32.4	18.7	51.1	54.0	-2.9	Peak	Horizontal
	12058.5	32.4	18.8	51.2	54.0	-2.8	Peak	Horizontal
*	8828.5	34.4	14.0	48.4	68.2	-19.8	Peak	Vertical
*	10418.0	34.7	17.0	51.7	68.2	-16.5	Peak	Vertical
	11021.5	33.0	18.5	51.5	54.0	-2.5	Peak	Vertical
	11795.0	33.1	18.8	51.9	54.0	-2.1	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3 (CDD Mode)	Test Channel:	165
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is 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	35.0	13.9	48.9	68.2	-19.3	Peak	Horizontal
*	9814.5	34.4	15.4	49.8	68.2	-18.4	Peak	Horizontal
	11412.5	33.2	19.1	52.3	54.0	-1.7	Peak	Horizontal
	11922.5	32.6	18.6	51.2	54.0	-2.8	Peak	Horizontal
*	8786.0	34.3	13.9	48.2	68.2	-20.0	Peak	Vertical
*	9899.5	33.6	15.4	49.0	68.2	-19.2	Peak	Vertical
	10826.0	33.2	18.0	51.2	54.0	-2.8	Peak	Vertical
	11531.5	32.2	19.4	51.6	54.0	-2.4	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3 (CDD Mode)	Test Channel:	38
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is 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	33.7	13.7	47.4	68.2	-20.8	Peak	Horizontal
*	9729.5	33.5	14.7	48.2	68.2	-20.0	Peak	Horizontal
	10928.0	32.6	18.4	51.0	54.0	-3.0	Peak	Horizontal
	11888.5	31.9	18.6	50.5	54.0	-3.5	Peak	Horizontal
*	8828.5	34.3	14.0	48.3	68.2	-19.9	Peak	Vertical
*	9780.5	34.3	14.9	49.2	68.2	-19.0	Peak	Vertical
	10911.0	33.6	18.4	52.0	54.0	-2.0	Peak	Vertical
	11633.5	32.0	19.4	51.4	54.0	-2.6	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3 (CDD Mode)	Test Channel:	46
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is 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	34.7	14.0	48.7	68.2	-19.5	Peak	Horizontal
*	9959.0	34.6	15.3	49.9	68.2	-18.3	Peak	Horizontal
	10970.5	34.3	18.4	52.7	54.0	-1.3	Peak	Horizontal
	11812.0	32.8	18.7	51.5	54.0	-2.5	Peak	Horizontal
*	8820.0	34.7	14.0	48.7	68.2	-19.5	Peak	Vertical
*	9925.0	34.4	15.3	49.7	68.2	-18.5	Peak	Vertical
	10894.0	33.9	18.3	52.2	54.0	-1.8	Peak	Vertical
	11854.5	32.7	18.7	51.4	54.0	-2.6	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3 (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
*	8811.5	33.6	14.0	47.6	68.2	-20.6	Peak	Horizontal
*	9916.5	34.1	15.3	49.4	68.2	-18.8	Peak	Horizontal
	10877.0	34.5	18.2	52.7	54.0	-1.3	Peak	Horizontal
	11905.5	33.3	18.6	51.9	54.0	-2.1	Peak	Horizontal
*	8845.5	35.2	14.0	49.2	68.2	-19.0	Peak	Vertical
*	9772.0	33.9	14.9	48.8	68.2	-19.4	Peak	Vertical
	10928.0	33.8	18.4	52.2	54.0	-1.8	Peak	Vertical
	11837.5	33.2	18.7	51.9	54.0	-2.1	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3 (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
*	8820.0	34.1	14.0	48.1	68.2	-20.1	Peak	Horizontal
*	9797.5	33.6	15.1	48.7	68.2	-19.5	Peak	Horizontal
	11191.5	32.0	18.7	50.7	54.0	-3.3	Peak	Horizontal
	11752.5	31.7	18.9	50.6	54.0	-3.4	Peak	Horizontal
*	8828.5	34.8	14.0	48.8	68.2	-19.4	Peak	Vertical
*	9772.0	35.2	14.9	50.1	68.2	-18.1	Peak	Vertical
	11123.5	33.1	18.6	51.7	54.0	-2.3	Peak	Vertical
	11965.0	32.5	18.6	51.1	54.0	-2.9	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3 (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
*	8692.5	33.4	13.7	47.1	68.2	-21.1	Peak	Horizontal
*	9721.0	32.8	14.7	47.5	68.2	-20.7	Peak	Horizontal
	11327.5	30.4	18.9	49.3	54.0	-4.7	Peak	Horizontal
	11965.0	30.7	18.6	49.3	54.0	-4.7	Peak	Horizontal
*	8794.5	33.9	13.9	47.8	68.2	-20.4	Peak	Vertical
*	9814.5	32.8	15.4	48.2	68.2	-20.0	Peak	Vertical
	10877.0	33.5	18.2	51.7	54.0	-2.3	Peak	Vertical
	11684.5	31.3	19.2	50.5	54.0	-3.5	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3 (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
*	8760.5	33.7	13.9	47.6	68.2	-20.6	Peak	Horizontal
*	9908.0	32.9	15.3	48.2	68.2	-20.0	Peak	Horizontal
	11030.0	31.2	18.5	49.7	54.0	-4.3	Peak	Horizontal
	12075.5	30.7	18.9	49.6	54.0	-4.4	Peak	Horizontal
*	8820.0	33.2	14.0	47.2	68.2	-21.0	Peak	Vertical
*	9797.5	32.7	15.1	47.8	68.2	-20.4	Peak	Vertical
	10945.0	31.9	18.4	50.3	54.0	-3.7	Peak	Vertical
	12169.0	30.5	18.8	49.3	54.0	-4.7	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3 (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
*	8820.0	33.7	14.0	47.7	68.2	-20.5	Peak	Horizontal
*	10018.5	32.9	15.4	48.3	68.2	-19.9	Peak	Horizontal
	11072.5	31.3	18.6	49.9	54.0	-4.1	Peak	Horizontal
	11965.0	32.1	18.6	50.7	54.0	-3.3	Peak	Horizontal
*	8879.5	34.3	14.0	48.3	68.2	-19.9	Peak	Vertical
*	9942.0	33.8	15.3	49.1	68.2	-19.1	Peak	Vertical
	10885.5	31.9	18.3	50.2	54.0	-3.8	Peak	Vertical
	11922.5	31.5	18.6	50.1	54.0	-3.9	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3 (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	33.8	14.0	47.8	68.2	-20.4	Peak	Horizontal
*	10061.0	32.9	15.6	48.5	68.2	-19.7	Peak	Horizontal
	11047.0	31.2	18.5	49.7	54.0	-4.3	Peak	Horizontal
	11837.5	31.0	18.7	49.7	54.0	-4.3	Peak	Horizontal
*	8718.0	33.6	13.8	47.4	68.2	-20.8	Peak	Vertical
*	9721.0	32.7	14.7	47.4	68.2	-20.8	Peak	Vertical
	11047.0	30.9	18.5	49.4	54.0	-4.6	Peak	Vertical
	12118.0	30.4	18.9	49.3	54.0	-4.7	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3 (CDD Mode)	Test Channel:	151
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is 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	34.5	14.0	48.5	68.2	-19.7	Peak	Horizontal
*	9899.5	33.3	15.4	48.7	68.2	-19.5	Peak	Horizontal
	11225.5	31.0	18.8	49.8	54.0	-4.2	Peak	Horizontal
	12109.5	30.2	18.9	49.1	54.0	-4.9	Peak	Horizontal
*	8709.5	34.2	13.8	48.0	68.2	-20.2	Peak	Vertical
*	9772.0	33.2	14.9	48.1	68.2	-20.1	Peak	Vertical
	11463.5	33.1	19.3	52.4	54.0	-1.6	Peak	Vertical
	12194.5	31.5	18.8	50.3	54.0	-3.7	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3 (CDD Mode)	Test Channel:	159
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is 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	33.4	14.0	47.4	68.2	-20.8	Peak	Horizontal
*	9738.0	34.2	14.8	49.0	68.2	-19.2	Peak	Horizontal
	10928.0	31.4	18.4	49.8	54.0	-4.2	Peak	Horizontal
	11897.0	30.5	18.6	49.1	54.0	-4.9	Peak	Horizontal
*	8845.5	33.8	14.0	47.8	68.2	-20.4	Peak	Vertical
*	9729.5	33.2	14.7	47.9	68.2	-20.3	Peak	Vertical
	10928.0	31.3	18.4	49.7	54.0	-4.3	Peak	Vertical
	11786.5	30.1	18.8	48.9	54.0	-5.1	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT80 - Ant 0 + 1 + 2 + 3 (CDD Mode)	Test Channel:	42
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is 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	31.3	13.9	45.2	68.2	-23.0	Peak	Horizontal
*	10018.5	32.5	15.4	47.9	68.2	-20.3	Peak	Horizontal
	10962.0	31.3	18.4	49.7	54.0	-4.3	Peak	Horizontal
	11752.5	30.1	18.9	49.0	54.0	-5.0	Peak	Horizontal
*	8862.5	33.6	14.0	47.6	68.2	-20.6	Peak	Vertical
*	9738.0	32.5	14.8	47.3	68.2	-20.9	Peak	Vertical
	11047.0	30.7	18.5	49.2	54.0	-4.8	Peak	Vertical
	11897.0	30.5	18.6	49.1	54.0	-4.9	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT80 - Ant 0 + 1 + 2 + 3 (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
*	8743.5	34.2	13.9	48.1	68.2	-20.1	Peak	Horizontal
*	10069.5	33.0	15.6	48.6	68.2	-19.6	Peak	Horizontal
	10817.5	32.1	18.0	50.1	54.0	-3.9	Peak	Horizontal
	11863.0	31.2	18.7	49.9	54.0	-4.1	Peak	Horizontal
*	8769.0	32.5	13.9	46.4	68.2	-21.8	Peak	Vertical
*	10010.0	32.6	15.4	48.0	68.2	-20.2	Peak	Vertical
	10953.5	31.5	18.4	49.9	54.0	-4.1	Peak	Vertical
	12007.5	30.8	18.7	49.5	54.0	-4.5	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT80 - Ant 0 + 1 + 2 + 3 (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
*	8701.0	33.9	13.8	47.7	68.2	-20.5	Peak	Horizontal
*	9789.0	33.4	15.0	48.4	68.2	-19.8	Peak	Horizontal
	11072.5	31.7	18.6	50.3	54.0	-3.7	Peak	Horizontal
	11990.5	31.7	18.7	50.4	54.0	-3.6	Peak	Horizontal
*	8837.0	33.0	14.0	47.0	68.2	-21.2	Peak	Vertical
*	10061.0	31.7	15.6	47.3	68.2	-20.9	Peak	Vertical
	10936.5	30.3	18.4	48.7	54.0	-5.3	Peak	Vertical
	11990.5	29.6	18.7	48.3	54.0	-5.7	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT80 - Ant 0 + 1 + 2 + 3 (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
*	8769.0	33.3	13.9	47.2	68.2	-21.0	Peak	Horizontal
*	9780.5	32.4	14.9	47.3	68.2	-20.9	Peak	Horizontal
	11166.0	30.5	18.7	49.2	54.0	-4.8	Peak	Horizontal
	12254.0	29.8	18.6	48.4	54.0	-5.6	Peak	Horizontal
*	8692.5	33.7	13.7	47.4	68.2	-20.8	Peak	Vertical
*	10001.5	32.1	15.4	47.5	68.2	-20.7	Peak	Vertical
	10987.5	30.2	18.5	48.7	54.0	-5.3	Peak	Vertical
	12007.5	29.9	18.7	48.6	54.0	-5.4	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT80 - Ant 0 + 1 + 2 + 3 (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
*	8828.5	33.6	14.0	47.6	68.2	-20.6	Peak	Horizontal
*	9772.0	34.5	14.9	49.4	68.2	-18.8	Peak	Horizontal
	11038.5	30.9	18.5	49.4	54.0	-4.6	Peak	Horizontal
	12347.5	30.3	18.4	48.7	54.0	-5.3	Peak	Horizontal
*	8675.5	32.8	13.7	46.5	68.2	-21.7	Peak	Vertical
*	10018.5	32.4	15.4	47.8	68.2	-20.4	Peak	Vertical
	11242.5	30.1	18.8	48.9	54.0	-5.1	Peak	Vertical
	12322.0	29.8	18.5	48.3	54.0	-5.7	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT80 - Ant 0 + 1 + 2 + 3 (CDD Mode)	Test Channel:	155
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is 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	32.7	13.7	46.4	68.2	-21.8	Peak	Horizontal
*	9738.0	35.4	14.8	50.2	68.2	-18.0	Peak	Horizontal
	11157.5	32.2	18.7	50.9	54.0	-3.1	Peak	Horizontal
	12169.0	31.3	18.8	50.1	54.0	-3.9	Peak	Horizontal
*	8760.5	34.2	13.9	48.1	68.2	-20.1	Peak	Vertical
*	10129.0	32.3	15.9	48.2	68.2	-20.0	Peak	Vertical
	11030.0	31.1	18.5	49.6	54.0	-4.4	Peak	Vertical
	12126.5	30.2	18.9	49.1	54.0	-4.9	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT80+80 - Ant 0 + 1 / Ant 0 + 1 + 2 + 3 (CDD Mode)	Test Channel:	42
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is 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	34.0	13.8	47.8	68.2	-20.4	Peak	Horizontal
*	9772.0	32.2	14.9	47.1	68.2	-21.1	Peak	Horizontal
	11013.0	30.5	18.5	49.0	54.0	-5.0	Peak	Horizontal
	11752.5	29.8	18.9	48.7	54.0	-5.3	Peak	Horizontal
*	8871.0	33.8	14.0	47.8	68.2	-20.4	Peak	Vertical
*	9772.0	34.7	14.9	49.6	68.2	-18.6	Peak	Vertical
	11021.5	30.8	18.5	49.3	54.0	-4.7	Peak	Vertical
	12220.0	30.5	18.7	49.2	54.0	-4.8	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT80+80 - Ant 0 + 1 / Ant 0 + 1 + 2 + 3 (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
*	8735.0	33.3	13.9	47.2	68.2	-21.0	Peak	Horizontal
*	9797.5	32.6	15.1	47.7	68.2	-20.5	Peak	Horizontal
	11242.5	31.0	18.8	49.8	54.0	-4.2	Peak	Horizontal
	12075.5	30.8	18.9	49.7	54.0	-4.3	Peak	Horizontal
*	8701.0	33.8	13.8	47.6	68.2	-20.6	Peak	Vertical
*	9874.0	33.3	15.8	49.1	68.2	-19.1	Peak	Vertical
	10979.0	31.8	18.5	50.3	54.0	-3.7	Peak	Vertical
	12007.5	31.3	18.7	50.0	54.0	-4.0	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT80+80 - Ant 0 + 1 / Ant 0 + 1 + 2 + 3 (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
*	8667.0	32.5	13.6	46.1	68.2	-22.1	Peak	Horizontal
*	9814.5	32.1	15.4	47.5	68.2	-20.7	Peak	Horizontal
	11038.5	30.2	18.5	48.7	54.0	-5.3	Peak	Horizontal
	12118.0	30.5	18.9	49.4	54.0	-4.6	Peak	Horizontal
*	8854.0	32.6	14.0	46.6	68.2	-21.6	Peak	Vertical
*	9899.5	32.5	15.4	47.9	68.2	-20.3	Peak	Vertical
	11387.0	30.7	19.1	49.8	54.0	-4.2	Peak	Vertical
	12271.0	30.6	18.6	49.2	54.0	-4.8	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT80+80 - Ant 0 + 1 / Ant 0 + 1 + 2 + 3 (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
*	8862.5	33.7	14.0	47.7	68.2	-20.5	Peak	Horizontal
*	10018.5	32.8	15.4	48.2	68.2	-20.0	Peak	Horizontal
	11021.5	31.1	18.5	49.6	54.0	-4.4	Peak	Horizontal
	11803.5	30.8	18.7	49.5	54.0	-4.5	Peak	Horizontal
*	8845.5	33.4	14.0	47.4	68.2	-20.8	Peak	Vertical
*	9772.0	32.7	14.9	47.6	68.2	-20.6	Peak	Vertical
	11276.5	30.7	18.8	49.5	54.0	-4.5	Peak	Vertical
	12237.0	30.4	18.7	49.1	54.0	-4.9	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT80+80 - Ant 0 + 1 / Ant 0 + 1 + 2 + 3 (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
*	8701.0	31.7	13.8	45.5	68.2	-22.7	Peak	Horizontal
*	9763.5	32.2	14.9	47.1	68.2	-21.1	Peak	Horizontal
	11055.5	30.6	18.5	49.1	54.0	-4.9	Peak	Horizontal
	12109.5	30.2	18.9	49.1	54.0	-4.9	Peak	Horizontal
*	8735.0	33.0	13.9	46.9	68.2	-21.3	Peak	Vertical
*	10103.5	32.1	15.7	47.8	68.2	-20.4	Peak	Vertical
	11038.5	30.8	18.5	49.3	54.0	-4.7	Peak	Vertical
	12033.0	30.6	18.8	49.4	54.0	-4.6	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT80+80 - Ant 0 + 1 / Ant 0 + 1 + 2 + 3 (CDD Mode)	Test Channel:	155
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is 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	33.7	14.0	47.7	68.2	-20.5	Peak	Horizontal
*	9780.5	32.7	14.9	47.6	68.2	-20.6	Peak	Horizontal
	11242.5	30.2	18.8	49.0	54.0	-5.0	Peak	Horizontal
	12432.5	30.6	18.4	49.0	54.0	-5.0	Peak	Horizontal
*	8820.0	33.4	14.0	47.4	68.2	-20.8	Peak	Vertical
*	9814.5	33.4	15.4	48.8	68.2	-19.4	Peak	Vertical
	10970.5	31.4	18.4	49.8	54.0	-4.2	Peak	Vertical
	11897.0	30.8	18.6	49.4	54.0	-4.6	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT80+80 - Ant 2 + 3 / Ant 0 + 1 + 2 + 3 (CDD Mode)	Test Channel:	42
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is 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	34.4	14.0	48.4	68.2	-19.8	Peak	Horizontal
*	10078.0	34.1	15.6	49.7	68.2	-18.5	Peak	Horizontal
	11089.5	31.2	18.6	49.8	54.0	-4.2	Peak	Horizontal
	12220.0	31.6	18.7	50.3	54.0	-3.7	Peak	Horizontal
*	8743.5	32.6	13.9	46.5	68.2	-21.7	Peak	Vertical
*	9848.5	31.8	16.1	47.9	68.2	-20.3	Peak	Vertical
	11064.0	31.0	18.5	49.5	54.0	-4.5	Peak	Vertical
	12067.0	30.3	18.8	49.1	54.0	-4.9	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT80+80 - Ant 2 + 3 / Ant 0 + 1 + 2 + 3 (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
*	8820.0	34.2	14.0	48.2	68.2	-20.0	Peak	Horizontal
*	9874.0	32.2	15.8	48.0	68.2	-20.2	Peak	Horizontal
	11115.0	30.6	18.6	49.2	54.0	-4.8	Peak	Horizontal
	12007.5	30.8	18.7	49.5	54.0	-4.5	Peak	Horizontal
*	8820.0	33.7	14.0	47.7	68.2	-20.5	Peak	Vertical
*	10018.5	32.7	15.4	48.1	68.2	-20.1	Peak	Vertical
	11021.5	31.0	18.5	49.5	54.0	-4.5	Peak	Vertical
	11965.0	30.8	18.6	49.4	54.0	-4.6	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT80+80 - Ant 2 + 3 / Ant 0 + 1 + 2 + 3 (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
*	8794.5	33.9	13.9	47.8	68.2	-20.4	Peak	Horizontal
*	9678.5	32.1	14.6	46.7	68.2	-21.5	Peak	Horizontal
	10987.5	31.5	18.5	50.0	54.0	-4.0	Peak	Horizontal
	12517.5	29.7	18.6	48.3	54.0	-5.7	Peak	Horizontal
*	8794.5	33.4	13.9	47.3	68.2	-20.9	Peak	Vertical
*	10086.5	32.8	15.7	48.5	68.2	-19.7	Peak	Vertical
	10979.0	30.6	18.5	49.1	54.0	-4.9	Peak	Vertical
	11982.0	31.0	18.7	49.7	54.0	-4.3	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT80+80 - Ant 2 + 3 / Ant 0 + 1 + 2 + 3 (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
*	8769.0	32.3	13.9	46.2	68.2	-22.0	Peak	Horizontal
*	9993.0	32.9	15.4	48.3	68.2	-19.9	Peak	Horizontal
	11157.5	30.9	18.7	49.6	54.0	-4.4	Peak	Horizontal
	12271.0	29.9	18.6	48.5	54.0	-5.5	Peak	Horizontal
*	8811.5	33.3	14.0	47.3	68.2	-20.9	Peak	Vertical
*	9899.5	33.5	15.4	48.9	68.2	-19.3	Peak	Vertical
	11174.5	31.2	18.7	49.9	54.0	-4.1	Peak	Vertical
	12169.0	31.1	18.8	49.9	54.0	-4.1	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT80+80 - Ant 2 + 3 / Ant 0 + 1 + 2 + 3 (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
*	8752.0	33.7	13.9	47.6	68.2	-20.6	Peak	Horizontal
*	10103.5	32.3	15.7	48.0	68.2	-20.2	Peak	Horizontal
	11013.0	31.0	18.5	49.5	54.0	-4.5	Peak	Horizontal
	12169.0	30.6	18.8	49.4	54.0	-4.6	Peak	Horizontal
*	8743.5	32.8	13.9	46.7	68.2	-21.5	Peak	Vertical
*	10307.5	33.6	16.6	50.2	68.2	-18.0	Peak	Vertical
	10970.5	31.8	18.4	50.2	54.0	-3.8	Peak	Vertical
	12041.5	30.4	18.8	49.2	54.0	-4.8	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT80+80 - Ant 2 + 3 / Ant 0 + 1 + 2 + 3 (CDD Mode)	Test Channel:	155
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is 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	34.1	13.9	48.0	68.2	-20.2	Peak	Horizontal
*	9950.5	33.4	15.3	48.7	68.2	-19.5	Peak	Horizontal
	11174.5	30.3	18.7	49.0	54.0	-5.0	Peak	Horizontal
	12084.0	30.5	18.9	49.4	54.0	-4.6	Peak	Horizontal
*	8794.5	33.6	13.9	47.5	68.2	-20.7	Peak	Vertical
*	10044.0	33.0	15.5	48.5	68.2	-19.7	Peak	Vertical
	10970.5	31.1	18.4	49.5	54.0	-4.5	Peak	Vertical
	11922.5	30.8	18.6	49.4	54.0	-4.6	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT80+80 Contiguous - Ant 0 + 1 + 2 + 3 (CDD Mode)	Test Channel:	42 + 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
*	8811.5	32.8	14.0	46.8	68.2	-21.4	Peak	Horizontal
*	9814.5	32.2	15.4	47.6	68.2	-20.6	Peak	Horizontal
	11021.5	30.5	18.5	49.0	54.0	-5.0	Peak	Horizontal
	11897.0	29.9	18.6	48.5	54.0	-5.5	Peak	Horizontal
*	8803.0	33.0	14.0	47.0	68.2	-21.2	Peak	Vertical
*	9925.0	32.6	15.3	47.9	68.2	-20.3	Peak	Vertical
	10851.5	32.7	18.1	50.8	54.0	-3.2	Peak	Vertical
	12135.0	31.4	18.9	50.3	54.0	-3.7	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT80+80 Contiguous - Ant 0 + 1 + 2 + 3 (CDD Mode)	Test Channel:	106 + 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	33.4	14.0	47.4	68.2	-20.8	Peak	Horizontal
*	9814.5	31.6	15.4	47.0	68.2	-21.2	Peak	Horizontal
	11336.0	31.8	19.0	50.8	54.0	-3.2	Peak	Horizontal
	12169.0	30.6	18.8	49.4	54.0	-4.6	Peak	Horizontal
*	8769.0	32.5	13.9	46.4	68.2	-21.8	Peak	Vertical
*	9780.5	32.9	14.9	47.8	68.2	-20.4	Peak	Vertical
	10800.5	32.0	17.9	49.9	54.0	-4.1	Peak	Vertical
	11863.0	31.0	18.7	49.7	54.0	-4.3	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	Test Channel:	36
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is 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	33.8	13.9	47.7	68.2	-20.5	Peak	Horizontal
*	9789.0	33.2	15.0	48.2	68.2	-20.0	Peak	Horizontal
	11030.0	31.9	18.5	50.4	54.0	-3.6	Peak	Horizontal
	12058.5	30.8	18.8	49.6	54.0	-4.4	Peak	Horizontal
*	8811.5	34.1	14.0	48.1	68.2	-20.1	Peak	Vertical
*	9984.5	33.4	15.4	48.8	68.2	-19.4	Peak	Vertical
	11234.0	31.3	18.8	50.1	54.0	-3.9	Peak	Vertical
	11982.0	31.4	18.7	50.1	54.0	-3.9	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	Test Channel:	44
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is 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	34.1	14.0	48.1	68.2	-20.1	Peak	Horizontal
*	9789.0	33.4	15.0	48.4	68.2	-19.8	Peak	Horizontal
	10707.0	32.9	17.5	50.4	54.0	-3.6	Peak	Horizontal
	11812.0	30.7	18.7	49.4	54.0	-4.6	Peak	Horizontal
*	8811.5	33.6	14.0	47.6	68.2	-20.6	Peak	Vertical
*	9602.0	33.1	14.4	47.5	68.2	-20.7	Peak	Vertical
	10996.0	31.6	18.5	50.1	54.0	-3.9	Peak	Vertical
	11922.5	31.1	18.6	49.7	54.0	-4.3	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	Test Channel:	48
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is 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	32.9	13.8	46.7	68.2	-21.5	Peak	Horizontal
*	9908.0	33.9	15.3	49.2	68.2	-19.0	Peak	Horizontal
	11115.0	31.8	18.6	50.4	54.0	-3.6	Peak	Horizontal
	12356.0	31.3	18.4	49.7	54.0	-4.3	Peak	Horizontal
*	8735.0	33.4	13.9	47.3	68.2	-20.9	Peak	Vertical
*	9806.0	34.0	15.2	49.2	68.2	-19.0	Peak	Vertical
	10996.0	31.6	18.5	50.1	54.0	-3.9	Peak	Vertical
	12016.0	31.2	18.7	49.9	54.0	-4.1	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3 (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
*	8862.5	33.9	14.0	47.9	68.2	-20.3	Peak	Horizontal
*	9797.5	33.5	15.1	48.6	68.2	-19.6	Peak	Horizontal
	10877.0	34.2	18.2	52.4	54.0	-1.6	Peak	Horizontal
	11948.0	33.0	18.6	51.6	54.0	-2.4	Peak	Horizontal
*	8777.5	34.9	13.9	48.8	68.2	-19.4	Peak	Vertical
*	10035.5	33.3	15.5	48.8	68.2	-19.4	Peak	Vertical
	10732.5	32.1	17.6	49.7	54.0	-4.3	Peak	Vertical
	11778.0	30.6	18.8	49.4	54.0	-4.6	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3 (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
*	8667.0	33.2	13.6	46.8	68.2	-21.4	Peak	Horizontal
*	10035.5	34.1	15.5	49.6	68.2	-18.6	Peak	Horizontal
	11013.0	31.1	18.5	49.6	54.0	-4.4	Peak	Horizontal
	11897.0	32.1	18.6	50.7	54.0	-3.3	Peak	Horizontal
*	8854.0	32.3	14.0	46.3	68.2	-21.9	Peak	Vertical
*	9993.0	33.3	15.4	48.7	68.2	-19.5	Peak	Vertical
	11038.5	31.5	18.5	50.0	54.0	-4.0	Peak	Vertical
	11948.0	31.7	18.6	50.3	54.0	-3.7	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3 (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
*	8811.5	32.8	14.0	46.8	68.2	-21.4	Peak	Horizontal
*	10069.5	33.4	15.6	49.0	68.2	-19.2	Peak	Horizontal
	11276.5	31.0	18.8	49.8	54.0	-4.2	Peak	Horizontal
	12356.0	30.9	18.4	49.3	54.0	-4.7	Peak	Horizontal
*	8854.0	33.2	14.0	47.2	68.2	-21.0	Peak	Vertical
*	10044.0	34.0	15.5	49.5	68.2	-18.7	Peak	Vertical
	11234.0	31.2	18.8	50.0	54.0	-4.0	Peak	Vertical
	11982.0	31.4	18.7	50.1	54.0	-3.9	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3 (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
*	8769.0	32.6	13.9	46.5	68.2	-21.7	Peak	Horizontal
*	9908.0	33.3	15.3	48.6	68.2	-19.6	Peak	Horizontal
	10945.0	32.0	18.4	50.4	54.0	-3.6	Peak	Horizontal
	11769.5	31.1	18.8	49.9	54.0	-4.1	Peak	Horizontal
*	8811.5	33.2	14.0	47.2	68.2	-21.0	Peak	Vertical
*	10120.5	33.2	15.8	49.0	68.2	-19.2	Peak	Vertical
	11021.5	31.9	18.5	50.4	54.0	-3.6	Peak	Vertical
	11854.5	30.8	18.7	49.5	54.0	-4.5	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3 (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
*	8862.5	32.3	14.0	46.3	68.2	-21.9	Peak	Horizontal
*	9772.0	33.8	14.9	48.7	68.2	-19.5	Peak	Horizontal
	10877.0	32.2	18.2	50.4	54.0	-3.6	Peak	Horizontal
	11718.5	30.9	19.0	49.9	54.0	-4.1	Peak	Horizontal
*	8828.5	32.5	14.0	46.5	68.2	-21.7	Peak	Vertical
*	10078.0	33.1	15.6	48.7	68.2	-19.5	Peak	Vertical
	11013.0	31.4	18.5	49.9	54.0	-4.1	Peak	Vertical
	11897.0	31.8	18.6	50.4	54.0	-3.6	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3 (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
*	8743.5	34.1	13.9	48.0	68.2	-20.2	Peak	Horizontal
*	10078.0	33.4	15.6	49.0	68.2	-19.2	Peak	Horizontal
	11251.0	31.2	18.8	50.0	54.0	-4.0	Peak	Horizontal
	12007.5	32.0	18.7	50.7	54.0	-3.3	Peak	Horizontal
*	8735.0	32.0	13.9	45.9	68.2	-22.3	Peak	Vertical
*	9916.5	33.4	15.3	48.7	68.2	-19.5	Peak	Vertical
	11208.5	31.1	18.8	49.9	54.0	-4.1	Peak	Vertical
	11948.0	32.5	18.6	51.1	54.0	-2.9	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3 (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
*	8811.5	34.1	14.0	48.1	68.2	-20.1	Peak	Horizontal
*	10103.5	32.9	15.7	48.6	68.2	-19.6	Peak	Horizontal
	11004.5	31.6	18.5	50.1	54.0	-3.9	Peak	Horizontal
	12101.0	30.9	18.9	49.8	54.0	-4.2	Peak	Horizontal
*	8777.5	34.0	13.9	47.9	68.2	-20.3	Peak	Vertical
*	9874.0	32.7	15.8	48.5	68.2	-19.7	Peak	Vertical
	10979.0	31.6	18.5	50.1	54.0	-3.9	Peak	Vertical
	11684.5	31.2	19.2	50.4	54.0	-3.6	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	Test Channel:	149
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is 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	31.9	13.8	45.7	68.2	-22.5	Peak	Horizontal
*	10035.5	34.5	15.5	50.0	68.2	-18.2	Peak	Horizontal
	10970.5	32.4	18.4	50.8	54.0	-3.2	Peak	Horizontal
	12024.5	32.0	18.8	50.8	54.0	-3.2	Peak	Horizontal
*	8820.0	32.8	14.0	46.8	68.2	-21.4	Peak	Vertical
*	9772.0	34.4	14.9	49.3	68.2	-18.9	Peak	Vertical
	10970.5	32.0	18.4	50.4	54.0	-3.6	Peak	Vertical
	11778.0	30.9	18.8	49.7	54.0	-4.3	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	Test Channel:	157
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is 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
*	9882.5	33.3	15.6	48.9	68.2	-19.3	Peak	Horizontal
	10996.0	32.1	18.5	50.6	54.0	-3.4	Peak	Horizontal
	11812.0	31.2	18.7	49.9	54.0	-4.1	Peak	Horizontal
*	8854.0	33.4	14.0	47.4	68.2	-20.8	Peak	Vertical
*	9729.5	34.0	14.7	48.7	68.2	-19.5	Peak	Vertical
	10928.0	33.9	18.4	52.3	54.0	-1.7	Peak	Vertical
	11633.5	32.8	19.4	52.2	54.0	-1.8	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	Test Channel:	165
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is 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	34.9	13.9	48.8	68.2	-19.4	Peak	Horizontal
*	9899.5	34.5	15.4	49.9	68.2	-18.3	Peak	Horizontal
	11013.0	31.9	18.5	50.4	54.0	-3.6	Peak	Horizontal
	11922.5	32.6	18.6	51.2	54.0	-2.8	Peak	Horizontal
*	8786.0	34.3	13.9	48.2	68.2	-20.0	Peak	Vertical
*	9993.0	34.7	15.4	50.1	68.2	-18.1	Peak	Vertical
	11123.5	33.1	18.6	51.7	54.0	-2.3	Peak	Vertical
	12058.5	32.4	18.8	51.2	54.0	-2.8	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	Test Channel:	38
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is 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	32.7	13.9	46.6	68.2	-21.6	Peak	Horizontal
*	10044.0	33.3	15.5	48.8	68.2	-19.4	Peak	Horizontal
	10945.0	33.0	18.4	51.4	54.0	-2.6	Peak	Horizontal
	12135.0	32.1	18.9	51.0	54.0	-3.0	Peak	Horizontal
*	8828.5	34.3	14.0	48.3	68.2	-19.9	Peak	Vertical
*	9865.5	33.1	16.0	49.1	68.2	-19.1	Peak	Vertical
	11242.5	31.6	18.8	50.4	54.0	-3.6	Peak	Vertical
	12169.0	32.1	18.8	50.9	54.0	-3.1	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	Test Channel:	46
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is 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	33.7	14.0	47.7	68.2	-20.5	Peak	Horizontal
*	10103.5	33.6	15.7	49.3	68.2	-18.9	Peak	Horizontal
	11038.5	32.4	18.5	50.9	54.0	-3.1	Peak	Horizontal
	12007.5	32.1	18.7	50.8	54.0	-3.2	Peak	Horizontal
*	8854.0	34.7	14.0	48.7	68.2	-19.5	Peak	Vertical
*	9814.5	34.1	15.4	49.5	68.2	-18.7	Peak	Vertical
	11149.0	32.1	18.7	50.8	54.0	-3.2	Peak	Vertical
	12007.5	32.5	18.7	51.2	54.0	-2.8	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3 (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
*	8675.5	35.0	13.7	48.7	68.2	-19.5	Peak	Horizontal
*	9916.5	34.1	15.3	49.4	68.2	-18.8	Peak	Horizontal
	11013.0	32.2	18.5	50.7	54.0	-3.3	Peak	Horizontal
	12228.5	31.7	18.7	50.4	54.0	-3.6	Peak	Horizontal
*	8743.5	33.4	13.9	47.3	68.2	-20.9	Peak	Vertical
*	9857.0	33.8	16.2	50.0	68.2	-18.2	Peak	Vertical
	11531.5	31.6	19.4	51.0	54.0	-3.0	Peak	Vertical
	12109.5	32.7	18.9	51.6	54.0	-2.4	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3 (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
*	8811.5	32.5	14.0	46.5	68.2	-21.7	Peak	Horizontal
*	9857.0	33.9	16.2	50.1	68.2	-18.1	Peak	Horizontal
	11004.5	32.5	18.5	51.0	54.0	-3.0	Peak	Horizontal
	12296.5	31.8	18.6	50.4	54.0	-3.6	Peak	Horizontal
*	8684.0	35.3	13.7	49.0	68.2	-19.2	Peak	Vertical
*	10018.5	34.3	15.4	49.7	68.2	-18.5	Peak	Vertical
	11072.5	33.3	18.6	51.9	54.0	-2.1	Peak	Vertical
	12271.0	32.7	18.6	51.3	54.0	-2.7	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3 (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
*	8777.5	33.4	13.9	47.3	68.2	-20.9	Peak	Horizontal
*	9814.5	33.1	15.4	48.5	68.2	-19.7	Peak	Horizontal
	11047.0	31.1	18.5	49.6	54.0	-4.4	Peak	Horizontal
	12092.5	31.2	18.9	50.1	54.0	-3.9	Peak	Horizontal
*	8862.5	31.6	14.0	45.6	68.2	-22.6	Peak	Vertical
*	10103.5	32.5	15.7	48.2	68.2	-20.0	Peak	Vertical
	11106.5	31.0	18.6	49.6	54.0	-4.4	Peak	Vertical
	12075.5	30.7	18.9	49.6	54.0	-4.4	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3 (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
*	8760.5	33.7	13.9	47.6	68.2	-20.6	Peak	Horizontal
*	10078.0	32.7	15.6	48.3	68.2	-19.9	Peak	Horizontal
	11072.5	31.5	18.6	50.1	54.0	-3.9	Peak	Horizontal
	12058.5	31.5	18.8	50.3	54.0	-3.7	Peak	Horizontal
*	8811.5	32.5	14.0	46.5	68.2	-21.7	Peak	Vertical
*	10069.5	32.9	15.6	48.5	68.2	-19.7	Peak	Vertical
	11132.0	31.0	18.6	49.6	54.0	-4.4	Peak	Vertical
	12245.5	30.3	18.7	49.0	54.0	-5.0	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3 (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
*	8820.0	33.7	14.0	47.7	68.2	-20.5	Peak	Horizontal
*	9899.5	33.0	15.4	48.4	68.2	-19.8	Peak	Horizontal
	11004.5	30.8	18.5	49.3	54.0	-4.7	Peak	Horizontal
	12024.5	30.9	18.8	49.7	54.0	-4.3	Peak	Horizontal
*	8820.0	32.2	14.0	46.2	68.2	-22.0	Peak	Vertical
*	9806.0	32.0	15.2	47.2	68.2	-21.0	Peak	Vertical
	11021.5	32.1	18.5	50.6	54.0	-3.4	Peak	Vertical
	12007.5	31.2	18.7	49.9	54.0	-4.1	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3 (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
*	8811.5	31.8	14.0	45.8	68.2	-22.4	Peak	Horizontal
*	9644.5	32.8	14.4	47.2	68.2	-21.0	Peak	Horizontal
	11285.0	30.4	18.8	49.2	54.0	-4.8	Peak	Horizontal
	12169.0	31.1	18.8	49.9	54.0	-4.1	Peak	Horizontal
*	8828.5	33.4	14.0	47.4	68.2	-20.8	Peak	Vertical
*	9814.5	35.1	15.4	50.5	68.2	-17.7	Peak	Vertical
	10979.0	33.3	18.5	51.8	54.0	-2.2	Peak	Vertical
	11965.0	30.8	18.6	49.4	54.0	-4.6	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	Test Channel:	151
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is 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	34.6	14.0	48.6	68.2	-19.6	Peak	Horizontal
*	9857.0	32.2	16.2	48.4	68.2	-19.8	Peak	Horizontal
	10953.5	31.2	18.4	49.6	54.0	-4.4	Peak	Horizontal
	11948.0	30.6	18.6	49.2	54.0	-4.8	Peak	Horizontal
*	8752.0	33.1	13.9	47.0	68.2	-21.2	Peak	Vertical
*	10035.5	33.7	15.5	49.2	68.2	-19.0	Peak	Vertical
	10877.0	31.9	18.2	50.1	54.0	-3.9	Peak	Vertical
	11965.0	31.9	18.6	50.5	54.0	-3.5	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	Test Channel:	159
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is 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	33.4	13.8	47.2	68.2	-21.0	Peak	Horizontal
*	9729.5	32.4	14.7	47.1	68.2	-21.1	Peak	Horizontal
	11030.0	30.1	18.5	48.6	54.0	-5.4	Peak	Horizontal
	11897.0	30.5	18.6	49.1	54.0	-4.9	Peak	Horizontal
*	8845.5	33.7	14.0	47.7	68.2	-20.5	Peak	Vertical
*	9916.5	34.0	15.3	49.3	68.2	-18.9	Peak	Vertical
	10877.0	31.8	18.2	50.0	54.0	-4.0	Peak	Vertical
	11846.0	30.2	18.7	48.9	54.0	-5.1	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT80 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	Test Channel:	42
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is 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	31.3	14.0	45.3	68.2	-22.9	Peak	Horizontal
*	9814.5	31.9	15.4	47.3	68.2	-20.9	Peak	Horizontal
	11004.5	30.7	18.5	49.2	54.0	-4.8	Peak	Horizontal
	12058.5	29.7	18.8	48.5	54.0	-5.5	Peak	Horizontal
*	8811.5	31.8	14.0	45.8	68.2	-22.4	Peak	Vertical
*	10112.0	31.8	15.8	47.6	68.2	-20.6	Peak	Vertical
	11021.5	31.2	18.5	49.7	54.0	-4.3	Peak	Vertical
	11752.5	29.9	18.9	48.8	54.0	-5.2	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT80 - Ant 0 + 1 + 2 + 3 (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
*	8854.0	33.8	14.0	47.8	68.2	-20.4	Peak	Horizontal
*	10069.5	33.0	15.6	48.6	68.2	-19.6	Peak	Horizontal
	11132.0	32.1	18.6	50.7	54.0	-3.3	Peak	Horizontal
	12220.0	32.6	18.7	51.3	54.0	-2.7	Peak	Horizontal
*	8896.5	32.2	14.0	46.2	68.2	-22.0	Peak	Vertical
*	10103.5	32.1	15.7	47.8	68.2	-20.4	Peak	Vertical
	11081.0	31.4	18.6	50.0	54.0	-4.0	Peak	Vertical
	12084.0	29.8	18.9	48.7	54.0	-5.3	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT80 - Ant 0 + 1 + 2 + 3 (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
*	8743.5	33.2	13.9	47.1	68.2	-21.1	Peak	Horizontal
*	9993.0	33.4	15.4	48.8	68.2	-19.4	Peak	Horizontal
	11123.5	31.1	18.6	49.7	54.0	-4.3	Peak	Horizontal
	12016.0	31.0	18.7	49.7	54.0	-4.3	Peak	Horizontal
*	8777.5	32.6	13.9	46.5	68.2	-21.7	Peak	Vertical
*	10061.0	31.8	15.6	47.4	68.2	-20.8	Peak	Vertical
	11174.5	30.6	18.7	49.3	54.0	-4.7	Peak	Vertical
	12007.5	30.0	18.7	48.7	54.0	-5.3	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT80 - Ant 0 + 1 + 2 + 3 (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
*	8862.5	33.2	14.0	47.2	68.2	-21.0	Peak	Horizontal
*	10197.0	33.1	16.2	49.3	68.2	-18.9	Peak	Horizontal
	11089.5	32.3	18.6	50.9	54.0	-3.1	Peak	Horizontal
	12262.5	32.4	18.6	51.0	54.0	-3.0	Peak	Horizontal
*	8930.5	33.5	14.0	47.5	68.2	-20.7	Peak	Vertical
*	9976.0	33.0	15.3	48.3	68.2	-19.9	Peak	Vertical
	10979.0	30.9	18.5	49.4	54.0	-4.6	Peak	Vertical
	11897.0	30.4	18.6	49.0	54.0	-5.0	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT80 - Ant 0 + 1 + 2 + 3 (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
*	8803.0	33.2	14.0	47.2	68.2	-21.0	Peak	Horizontal
*	10103.5	32.1	15.7	47.8	68.2	-20.4	Peak	Horizontal
	11200.0	30.3	18.7	49.0	54.0	-5.0	Peak	Horizontal
	12126.5	29.8	18.9	48.7	54.0	-5.3	Peak	Horizontal
*	8871.0	31.5	14.0	45.5	68.2	-22.7	Peak	Vertical
*	10018.5	32.4	15.4	47.8	68.2	-20.4	Peak	Vertical
	10953.5	30.7	18.4	49.1	54.0	-4.9	Peak	Vertical
	11803.5	29.1	18.7	47.8	54.0	-6.2	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT80 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	Test Channel:	155
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is 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	33.3	14.0	47.3	68.2	-20.9	Peak	Horizontal
*	10103.5	32.4	15.7	48.1	68.2	-20.1	Peak	Horizontal
	10953.5	32.0	18.4	50.4	54.0	-3.6	Peak	Horizontal
	11897.0	30.9	18.6	49.5	54.0	-4.5	Peak	Horizontal
*	8922.0	32.8	14.0	46.8	68.2	-21.4	Peak	Vertical
*	9942.0	33.3	15.3	48.6	68.2	-19.6	Peak	Vertical
	11081.0	30.8	18.6	49.4	54.0	-4.6	Peak	Vertical
	12109.5	29.4	18.9	48.3	54.0	-5.7	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT80+80 - Ant 0 + 1 / Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	Test Channel:	42
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is 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	32.5	13.9	46.4	68.2	-21.8	Peak	Horizontal
*	10129.0	31.9	15.9	47.8	68.2	-20.4	Peak	Horizontal
	11013.0	30.5	18.5	49.0	54.0	-5.0	Peak	Horizontal
	11914.0	30.1	18.6	48.7	54.0	-5.3	Peak	Horizontal
*	8871.0	33.7	14.0	47.7	68.2	-20.5	Peak	Vertical
*	9899.5	33.4	15.4	48.8	68.2	-19.4	Peak	Vertical
	11021.5	30.8	18.5	49.3	54.0	-4.7	Peak	Vertical
	11948.0	30.6	18.6	49.2	54.0	-4.8	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT80+80 - Ant 0 + 1 / Ant 0 + 1 + 2 + 3 (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
*	8811.5	33.5	14.0	47.5	68.2	-20.7	Peak	Horizontal
*	9797.5	32.7	15.1	47.8	68.2	-20.4	Peak	Horizontal
	10970.5	31.9	18.4	50.3	54.0	-3.7	Peak	Horizontal
	12067.0	31.5	18.8	50.3	54.0	-3.7	Peak	Horizontal
*	8854.0	32.7	14.0	46.7	68.2	-21.5	Peak	Vertical
*	9916.5	32.8	15.3	48.1	68.2	-20.1	Peak	Vertical
	11021.5	30.8	18.5	49.3	54.0	-4.7	Peak	Vertical
	11956.5	30.9	18.6	49.5	54.0	-4.5	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT80+80 - Ant 0 + 1 / Ant 0 + 1 + 2 + 3 (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
*	8820.0	32.8	14.0	46.8	68.2	-21.4	Peak	Horizontal
*	9814.5	32.1	15.4	47.5	68.2	-20.7	Peak	Horizontal
	11038.5	30.2	18.5	48.7	54.0	-5.3	Peak	Horizontal
	12024.5	30.6	18.8	49.4	54.0	-4.6	Peak	Horizontal
*	8760.5	34.2	13.9	48.1	68.2	-20.1	Peak	Vertical
*	9908.0	32.7	15.3	48.0	68.2	-20.2	Peak	Vertical
	11089.5	30.6	18.6	49.2	54.0	-4.8	Peak	Vertical
	12007.5	30.2	18.7	48.9	54.0	-5.1	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT80+80 - Ant 0 + 1 / Ant 0 + 1 + 2 + 3 (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
*	8692.5	32.6	13.7	46.3	68.2	-21.9	Peak	Horizontal
*	9814.5	33.4	15.4	48.8	68.2	-19.4	Peak	Horizontal
	11174.5	30.7	18.7	49.4	54.0	-4.6	Peak	Horizontal
	12407.0	30.3	18.4	48.7	54.0	-5.3	Peak	Horizontal
*	8845.5	33.4	14.0	47.4	68.2	-20.8	Peak	Vertical
*	9814.5	31.9	15.4	47.3	68.2	-20.9	Peak	Vertical
	11234.0	30.9	18.8	49.7	54.0	-4.3	Peak	Vertical
	12169.0	30.2	18.8	49.0	54.0	-5.0	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	ACCESS POINT - Directional Antenna (ANT-4x4-5314)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/02/28
Test Mode:	802.11ac-VHT80+80 - Ant 0 + 1 / Ant 0 + 1 + 2 + 3 (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
*	8752.0	33.6	13.9	47.5	68.2	-20.7	Peak	Horizontal
*	10146.0	34.1	16.0	50.1	68.2	-18.1	Peak	Horizontal
	10894.0	32.7	18.3	51.0	54.0	-3.0	Peak	Horizontal
	12220.0	31.4	18.7	50.1	54.0	-3.9	Peak	Horizontal
*	8845.5	32.5	14.0	46.5	68.2	-21.7	Peak	Vertical
*	10103.5	32.1	15.7	47.8	68.2	-20.4	Peak	Vertical
	10970.5	31.7	18.4	50.1	54.0	-3.9	Peak	Vertical
	12075.5	30.1	18.9	49.0	54.0	-5.0	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)