

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:	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
*	8769.0	32.0	13.9	45.9	68.2	-22.3	Peak	Horizontal
*	9678.5	32.4	14.6	47.0	68.2	-21.2	Peak	Horizontal
	10970.5	31.4	18.4	49.8	54.0	-4.2	Peak	Horizontal
	11837.5	31.1	18.7	49.8	54.0	-4.2	Peak	Horizontal
*	8811.5	32.6	14.0	46.6	68.2	-21.6	Peak	Vertical
*	10103.5	32.2	15.7	47.9	68.2	-20.3	Peak	Vertical
	11030.0	30.9	18.5	49.4	54.0	-4.6	Peak	Vertical
	12058.5	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 2 + 3 / 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	32.1	13.9	46.0	68.2	-22.2	Peak	Horizontal
*	9678.5	34.1	14.6	48.7	68.2	-19.5	Peak	Horizontal
	11123.5	31.6	18.6	50.2	54.0	-3.8	Peak	Horizontal
	11897.0	31.3	18.6	49.9	54.0	-4.1	Peak	Horizontal
*	8820.0	34.5	14.0	48.5	68.2	-19.7	Peak	Vertical
*	10018.5	33.3	15.4	48.7	68.2	-19.5	Peak	Vertical
	11064.0	30.9	18.5	49.4	54.0	-4.6	Peak	Vertical
	11948.0	31.3	18.6	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 (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
*	8820.0	34.2	14.0	48.2	68.2	-20.0	Peak	Horizontal
*	9899.5	34.3	15.4	49.7	68.2	-18.5	Peak	Horizontal
	11327.5	30.8	18.9	49.7	54.0	-4.3	Peak	Horizontal
	12381.5	30.1	18.4	48.5	54.0	-5.5	Peak	Horizontal
*	8769.0	32.9	13.9	46.8	68.2	-21.4	Peak	Vertical
*	10018.5	32.7	15.4	48.1	68.2	-20.1	Peak	Vertical
	10826.0	32.1	18.0	50.1	54.0	-3.9	Peak	Vertical
	11846.0	30.6	18.7	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-VHT80+80 - Ant 2 + 3 / 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
*	8760.5	32.4	13.9	46.3	68.2	-21.9	Peak	Horizontal
*	10044.0	32.5	15.5	48.0	68.2	-20.2	Peak	Horizontal
	11021.5	30.4	18.5	48.9	54.0	-5.1	Peak	Horizontal
	12381.5	30.2	18.4	48.6	54.0	-5.4	Peak	Horizontal
*	8854.0	33.1	14.0	47.1	68.2	-21.1	Peak	Vertical
*	9772.0	32.7	14.9	47.6	68.2	-20.6	Peak	Vertical
	10979.0	30.6	18.5	49.1	54.0	-4.9	Peak	Vertical
	12024.5	30.8	18.8	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-VHT80+80 - Ant 2 + 3 / 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
*	8828.5	33.6	14.0	47.6	68.2	-20.6	Peak	Horizontal
*	9865.5	31.9	16.0	47.9	68.2	-20.3	Peak	Horizontal
	11191.5	30.4	18.7	49.1	54.0	-4.9	Peak	Horizontal
	12398.5	30.0	18.4	48.4	54.0	-5.6	Peak	Horizontal
*	8828.5	31.7	14.0	45.7	68.2	-22.5	Peak	Vertical
*	10103.5	32.1	15.7	47.8	68.2	-20.4	Peak	Vertical
	10851.5	32.9	18.1	51.0	54.0	-3.0	Peak	Vertical
	11863.0	30.7	18.7	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 (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
*	8726.5	31.3	13.8	45.1	68.2	-23.1	Peak	Horizontal
*	9814.5	32.7	15.4	48.1	68.2	-20.1	Peak	Horizontal
	11021.5	30.8	18.5	49.3	54.0	-4.7	Peak	Horizontal
	12364.5	30.4	18.4	48.8	54.0	-5.2	Peak	Horizontal
*	8828.5	33.3	14.0	47.3	68.2	-20.9	Peak	Vertical
*	9882.5	34.2	15.6	49.8	68.2	-18.4	Peak	Vertical
	10843.0	33.3	18.1	51.4	54.0	-2.6	Peak	Vertical
	11846.0	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 (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
*	8760.5	34.1	13.9	48.0	68.2	-20.2	Peak	Horizontal
*	9721.0	32.8	14.7	47.5	68.2	-20.7	Peak	Horizontal
	11293.5	30.0	18.9	48.9	54.0	-5.1	Peak	Horizontal
	12271.0	31.1	18.6	49.7	54.0	-4.3	Peak	Horizontal
*	8896.5	32.3	14.0	46.3	68.2	-21.9	Peak	Vertical
*	9993.0	33.8	15.4	49.2	68.2	-19.0	Peak	Vertical
	11225.5	30.7	18.8	49.5	54.0	-4.5	Peak	Vertical
	12067.0	30.0	18.8	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 - Omni Antenna (AP-ANT-19)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11a - Ant 0 + 1 + 2 + 3 (CDD Mode)	Test Channel:	36
Remark:	3. Average measurement was not performed if peak level lower than average limit. 4. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8922.0	32.0	14.0	46.0	68.2	-22.2	Peak	Horizontal
*	9687.0	33.3	14.6	47.9	68.2	-20.3	Peak	Horizontal
	10868.5	31.3	18.2	49.5	54.0	-4.5	Peak	Horizontal
	11591.0	31.7	19.5	51.2	54.0	-2.8	Peak	Horizontal
*	8633.0	32.2	13.5	45.7	68.2	-22.5	Peak	Vertical
*	9865.5	31.3	16.0	47.3	68.2	-20.9	Peak	Vertical
	11574.0	31.7	19.5	51.2	54.0	-2.8	Peak	Vertical
	12092.5	31.2	18.9	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 - Omni Antenna (AP-ANT-19)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11a - Ant 0 + 1 + 2 + 3 (CDD Mode)	Test Channel:	44
Remark:	3. Average measurement was not performed if peak level lower than average limit. 4. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8803.0	31.7	14.0	45.7	68.2	-22.5	Peak	Horizontal
*	9857.0	31.8	16.2	48.0	68.2	-20.2	Peak	Horizontal
	11455.0	31.3	19.2	50.5	54.0	-3.5	Peak	Horizontal
	12449.5	31.6	18.4	50.0	54.0	-4.0	Peak	Horizontal
*	8641.5	32.6	13.5	46.1	68.2	-22.1	Peak	Vertical
*	9857.0	31.6	16.2	47.8	68.2	-20.4	Peak	Vertical
	11633.5	31.4	19.4	50.8	54.0	-3.2	Peak	Vertical
	12585.5	31.9	18.7	50.6	54.0	-3.4	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 - Omni Antenna (AP-ANT-19)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11a - Ant 0 + 1 + 2 + 3 (CDD Mode)	Test Channel:	48
Remark:	3. Average measurement was not performed if peak level lower than average limit. 4. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8718.0	31.3	13.8	45.1	68.2	-23.1	Peak	Horizontal
*	9857.0	30.9	16.2	47.1	68.2	-21.1	Peak	Horizontal
	11548.5	30.5	19.4	49.9	54.0	-4.1	Peak	Horizontal
	12084.0	30.8	18.9	49.7	54.0	-4.3	Peak	Horizontal
*	8684.0	31.7	13.7	45.4	68.2	-22.8	Peak	Vertical
*	9678.5	32.8	14.6	47.4	68.2	-20.8	Peak	Vertical
	11140.5	31.0	18.7	49.7	54.0	-4.3	Peak	Vertical
	11982.0	31.7	18.7	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 - Omni Antenna (AP-ANT-19)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11a - Ant 0 + 1 + 2 + 3 (CDD Mode)	Test Channel:	149
Remark:	3. Average measurement was not performed if peak level lower than average limit. 4. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8905.0	31.4	14.0	45.4	68.2	-22.8	Peak	Horizontal
*	9874.0	32.3	15.8	48.1	68.2	-20.1	Peak	Horizontal
	10902.5	31.9	18.3	50.2	54.0	-3.8	Peak	Horizontal
	12228.5	31.8	18.7	50.5	54.0	-3.5	Peak	Horizontal
*	8658.5	32.2	13.6	45.8	68.2	-22.4	Peak	Vertical
*	9636.0	32.4	14.4	46.8	68.2	-21.4	Peak	Vertical
	10817.5	31.0	18.0	49.0	54.0	-5.0	Peak	Vertical
	11591.0	30.7	19.5	50.2	54.0	-3.8	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 - Omni Antenna (AP-ANT-19)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11a - Ant 0 + 1 + 2 + 3 (CDD Mode)	Test Channel:	157
Remark:	3. Average measurement was not performed if peak level lower than average limit. 4. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8769.0	29.7	13.9	43.6	68.2	-24.6	Peak	Horizontal
*	9729.5	31.6	14.7	46.3	68.2	-21.9	Peak	Horizontal
	11565.5	31.8	19.5	51.3	54.0	-2.7	Peak	Horizontal
	12143.5	30.7	18.9	49.6	54.0	-4.4	Peak	Horizontal
*	8811.5	30.6	14.0	44.6	68.2	-23.6	Peak	Vertical
*	9721.0	31.4	14.7	46.1	68.2	-22.1	Peak	Vertical
	11591.0	31.0	19.5	50.5	54.0	-3.5	Peak	Vertical
	12126.5	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 - Omni Antenna (AP-ANT-19)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11a - Ant 0 + 1 + 2 + 3 (CDD Mode)	Test Channel:	165
Remark:	3. Average measurement was not performed if peak level lower than average limit. 4. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8692.5	31.9	13.7	45.6	68.2	-22.6	Peak	Horizontal
*	9755.0	32.5	14.8	47.3	68.2	-20.9	Peak	Horizontal
	11149.0	31.6	18.7	50.3	54.0	-3.7	Peak	Horizontal
	11531.5	31.3	19.4	50.7	54.0	-3.3	Peak	Horizontal
*	8582.0	32.1	13.4	45.5	68.2	-22.7	Peak	Vertical
*	9848.5	31.7	16.1	47.8	68.2	-20.4	Peak	Vertical
	10877.0	31.0	18.2	49.2	54.0	-4.8	Peak	Vertical
	11616.5	31.0	19.4	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 - Omni Antenna (AP-ANT-19)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11n-HT20 - Ant 0 + 1 + 2 + 3 (CDD 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
*	8854.0	31.7	14.0	45.7	68.2	-22.5	Peak	Horizontal
*	9848.5	31.2	16.1	47.3	68.2	-20.9	Peak	Horizontal
	10996.0	31.3	18.5	49.8	54.0	-4.2	Peak	Horizontal
	12101.0	31.6	18.9	50.5	54.0	-3.5	Peak	Horizontal
*	8624.5	32.0	13.5	45.5	68.2	-22.7	Peak	Vertical
*	9721.0	32.3	14.7	47.0	68.2	-21.2	Peak	Vertical
	10783.5	31.9	17.8	49.7	54.0	-4.3	Peak	Vertical
	11591.0	30.9	19.5	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 - Omni Antenna (AP-ANT-19)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11n-HT20 - 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
*	8820.0	30.7	14.0	44.7	68.2	-23.5	Peak	Horizontal
*	9789.0	31.6	15.0	46.6	68.2	-21.6	Peak	Horizontal
	11115.0	31.4	18.6	50.0	54.0	-4.0	Peak	Horizontal
	12016.0	31.2	18.7	49.9	54.0	-4.1	Peak	Horizontal
*	8599.0	32.7	13.4	46.1	68.2	-22.1	Peak	Vertical
*	9865.5	32.0	16.0	48.0	68.2	-20.2	Peak	Vertical
	10911.0	31.5	18.4	49.9	54.0	-4.1	Peak	Vertical
	11514.5	30.8	19.4	50.2	54.0	-3.8	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 - Omni Antenna (AP-ANT-19)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11n-HT20 - 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
*	8582.0	32.7	13.4	46.1	68.2	-22.1	Peak	Horizontal
*	9857.0	30.8	16.2	47.0	68.2	-21.2	Peak	Horizontal
	11064.0	31.3	18.5	49.8	54.0	-4.2	Peak	Horizontal
	11659.0	31.2	19.3	50.5	54.0	-3.5	Peak	Horizontal
*	8582.0	32.6	13.4	46.0	68.2	-22.2	Peak	Vertical
*	9857.0	31.0	16.2	47.2	68.2	-21.0	Peak	Vertical
	11174.5	31.8	18.7	50.5	54.0	-3.5	Peak	Vertical
	12152.0	30.9	18.9	49.8	54.0	-4.2	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 - Omni Antenna (AP-ANT-19)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11n-HT20 - 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
*	8641.5	32.2	13.5	45.7	68.2	-22.5	Peak	Horizontal
*	9670.0	32.5	14.5	47.0	68.2	-21.2	Peak	Horizontal
	10928.0	31.2	18.4	49.6	54.0	-4.4	Peak	Horizontal
	11480.5	31.5	19.3	50.8	54.0	-3.2	Peak	Horizontal
*	8667.0	32.2	13.6	45.8	68.2	-22.4	Peak	Vertical
*	9848.5	30.8	16.1	46.9	68.2	-21.3	Peak	Vertical
	10877.0	30.7	18.2	48.9	54.0	-5.1	Peak	Vertical
	11582.5	31.4	19.5	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 - Omni Antenna (AP-ANT-19)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11n-HT20 - 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
*	8641.5	32.0	13.5	45.5	68.2	-22.7	Peak	Horizontal
*	9874.0	31.4	15.8	47.2	68.2	-21.0	Peak	Horizontal
	11208.5	31.0	18.8	49.8	54.0	-4.2	Peak	Horizontal
	12177.5	31.2	18.8	50.0	54.0	-4.0	Peak	Horizontal
*	8633.0	32.3	13.5	45.8	68.2	-22.4	Peak	Vertical
*	9848.5	31.4	16.1	47.5	68.2	-20.7	Peak	Vertical
	10928.0	31.9	18.4	50.3	54.0	-3.7	Peak	Vertical
	11642.0	31.9	19.4	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 - Omni Antenna (AP-ANT-19)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11n-HT20 - 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
*	8590.5	32.2	13.4	45.6	68.2	-22.6	Peak	Horizontal
*	9797.5	31.9	15.1	47.0	68.2	-21.2	Peak	Horizontal
	10894.0	31.0	18.3	49.3	54.0	-4.7	Peak	Horizontal
	11633.5	31.1	19.4	50.5	54.0	-3.5	Peak	Horizontal
*	8888.0	31.7	14.0	45.7	68.2	-22.5	Peak	Vertical
*	9755.0	32.3	14.8	47.1	68.2	-21.1	Peak	Vertical
	11633.5	30.8	19.4	50.2	54.0	-3.8	Peak	Vertical
	12500.5	31.9	18.5	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 - Omni Antenna (AP-ANT-19)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11n-HT40 - 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
*	8658.5	30.8	13.6	44.4	68.2	-23.8	Peak	Horizontal
*	9857.0	31.0	16.2	47.2	68.2	-21.0	Peak	Horizontal
	11055.5	30.0	18.5	48.5	54.0	-5.5	Peak	Horizontal
	12084.0	30.5	18.9	49.4	54.0	-4.6	Peak	Horizontal
*	8658.5	31.6	13.6	45.2	68.2	-23.0	Peak	Vertical
*	9891.0	31.0	15.5	46.5	68.2	-21.7	Peak	Vertical
	10885.5	30.3	18.3	48.6	54.0	-5.4	Peak	Vertical
	11591.0	29.8	19.5	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 - Omni Antenna (AP-ANT-19)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11n-HT40 - 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
*	8845.5	30.9	14.0	44.9	68.2	-23.3	Peak	Horizontal
*	9865.5	30.9	16.0	46.9	68.2	-21.3	Peak	Horizontal
	11047.0	31.0	18.5	49.5	54.0	-4.5	Peak	Horizontal
	12135.0	31.1	18.9	50.0	54.0	-4.0	Peak	Horizontal
*	8879.5	31.7	14.0	45.7	68.2	-22.5	Peak	Vertical
*	9789.0	31.2	15.0	46.2	68.2	-22.0	Peak	Vertical
	10860.0	31.7	18.2	49.9	54.0	-4.1	Peak	Vertical
	12177.5	31.8	18.8	50.6	54.0	-3.4	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 - Omni Antenna (AP-ANT-19)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11n-HT40 - 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
*	8735.0	31.4	13.9	45.3	68.2	-22.9	Peak	Horizontal
*	9848.5	31.3	16.1	47.4	68.2	-20.8	Peak	Horizontal
	10877.0	31.3	18.2	49.5	54.0	-4.5	Peak	Horizontal
	11506.0	30.3	19.4	49.7	54.0	-4.3	Peak	Horizontal
*	8760.5	31.0	13.9	44.9	68.2	-23.3	Peak	Vertical
*	9857.0	31.3	16.2	47.5	68.2	-20.7	Peak	Vertical
	11004.5	31.1	18.5	49.6	54.0	-4.4	Peak	Vertical
	11531.5	30.6	19.4	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 - Omni Antenna (AP-ANT-19)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11n-HT40 - 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
*	8599.0	31.1	13.4	44.5	68.2	-23.7	Peak	Horizontal
*	9840.0	30.9	16.0	46.9	68.2	-21.3	Peak	Horizontal
	10843.0	32.1	18.1	50.2	54.0	-3.8	Peak	Horizontal
	11616.5	30.8	19.4	50.2	54.0	-3.8	Peak	Horizontal
*	8616.0	31.7	13.5	45.2	68.2	-23.0	Peak	Vertical
*	9789.0	32.8	15.0	47.8	68.2	-20.4	Peak	Vertical
	11038.5	31.0	18.5	49.5	54.0	-4.5	Peak	Vertical
	11557.0	31.3	19.5	50.8	54.0	-3.2	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 - Omni Antenna (AP-ANT-19)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3 (CDD Mode)	Test Channel:	36
Remark:	3. Average measurement was not performed if peak level lower than average limit. 4. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8879.5	31.3	14.0	45.3	68.2	-22.9	Peak	Horizontal
*	9976.0	32.0	15.3	47.3	68.2	-20.9	Peak	Horizontal
	11557.0	30.7	19.5	50.2	54.0	-3.8	Peak	Horizontal
	12220.0	30.4	18.7	49.1	54.0	-4.9	Peak	Horizontal
*	8675.5	31.4	13.7	45.1	68.2	-23.1	Peak	Vertical
*	9865.5	31.2	16.0	47.2	68.2	-21.0	Peak	Vertical
	11574.0	31.0	19.5	50.5	54.0	-3.5	Peak	Vertical
	12143.5	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 - Omni Antenna (AP-ANT-19)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3 (CDD Mode)	Test Channel:	44
Remark:	3. Average measurement was not performed if peak level lower than average limit. 4. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8582.0	31.5	13.4	44.9	68.2	-23.3	Peak	Horizontal
*	9925.0	32.1	15.3	47.4	68.2	-20.8	Peak	Horizontal
	10741.0	32.4	17.6	50.0	54.0	-4.0	Peak	Horizontal
	11506.0	31.1	19.4	50.5	54.0	-3.5	Peak	Horizontal
*	8650.0	32.8	13.6	46.4	68.2	-21.8	Peak	Vertical
*	9933.5	32.4	15.3	47.7	68.2	-20.5	Peak	Vertical
	11106.5	31.4	18.6	50.0	54.0	-4.0	Peak	Vertical
	11616.5	31.4	19.4	50.8	54.0	-3.2	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 - Omni Antenna (AP-ANT-19)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3 (CDD Mode)	Test Channel:	48
Remark:	3. Average measurement was not performed if peak level lower than average limit. 4. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8616.0	31.4	13.5	44.9	68.2	-23.3	Peak	Horizontal
*	9729.5	32.8	14.7	47.5	68.2	-20.7	Peak	Horizontal
	11506.0	31.3	19.4	50.7	54.0	-3.3	Peak	Horizontal
	12135.0	31.4	18.9	50.3	54.0	-3.7	Peak	Horizontal
*	8641.5	30.8	13.5	44.3	68.2	-23.9	Peak	Vertical
*	9806.0	31.2	15.2	46.4	68.2	-21.8	Peak	Vertical
	11565.5	30.7	19.5	50.2	54.0	-3.8	Peak	Vertical
	12084.0	31.0	18.9	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 - Omni Antenna (AP-ANT-19)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3 (CDD Mode)	Test Channel:	149
Remark:	3. Average measurement was not performed if peak level lower than average limit. 4. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8633.0	31.7	13.5	45.2	68.2	-23.0	Peak	Horizontal
*	9840.0	31.4	16.0	47.4	68.2	-20.8	Peak	Horizontal
	10741.0	31.8	17.6	49.4	54.0	-4.6	Peak	Horizontal
	11608.0	31.5	19.4	50.9	54.0	-3.1	Peak	Horizontal
*	8709.5	31.2	13.8	45.0	68.2	-23.2	Peak	Vertical
*	9840.0	31.1	16.0	47.1	68.2	-21.1	Peak	Vertical
	10996.0	31.0	18.5	49.5	54.0	-4.5	Peak	Vertical
	11574.0	31.2	19.5	50.7	54.0	-3.3	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 - Omni Antenna (AP-ANT-19)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3 (CDD Mode)	Test Channel:	157
Remark:	3. Average measurement was not performed if peak level lower than average limit. 4. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8641.5	31.7	13.5	45.2	68.2	-23.0	Peak	Horizontal
*	9848.5	31.3	16.1	47.4	68.2	-20.8	Peak	Horizontal
	11650.5	31.1	19.3	50.4	54.0	-3.6	Peak	Horizontal
	12033.0	31.1	18.8	49.9	54.0	-4.1	Peak	Horizontal
*	8735.0	32.5	13.9	46.4	68.2	-21.8	Peak	Vertical
*	9797.5	31.9	15.1	47.0	68.2	-21.2	Peak	Vertical
	11132.0	31.1	18.6	49.7	54.0	-4.3	Peak	Vertical
	11676.0	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 - Omni Antenna (AP-ANT-19)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3 (CDD Mode)	Test Channel:	165
Remark:	3. Average measurement was not performed if peak level lower than average limit. 4. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8879.5	31.0	14.0	45.0	68.2	-23.2	Peak	Horizontal
*	9610.5	32.3	14.4	46.7	68.2	-21.5	Peak	Horizontal
	10681.5	31.2	17.4	48.6	54.0	-5.4	Peak	Horizontal
	11642.0	30.8	19.4	50.2	54.0	-3.8	Peak	Horizontal
*	8913.5	30.9	14.0	44.9	68.2	-23.3	Peak	Vertical
*	9738.0	33.3	14.8	48.1	68.2	-20.1	Peak	Vertical
	11599.5	30.7	19.4	50.1	54.0	-3.9	Peak	Vertical
	12118.0	31.0	18.9	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 - Omni Antenna (AP-ANT-19)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3 (CDD Mode)	Test Channel:	38
Remark:	3. Average measurement was not performed if peak level lower than average limit. 4. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8871.0	31.3	14.0	45.3	68.2	-22.9	Peak	Horizontal
*	9746.5	32.0	14.8	46.8	68.2	-21.4	Peak	Horizontal
	10877.0	30.5	18.2	48.7	54.0	-5.3	Peak	Horizontal
	11540.0	30.5	19.4	49.9	54.0	-4.1	Peak	Horizontal
*	8641.5	31.7	13.5	45.2	68.2	-23.0	Peak	Vertical
*	9925.0	31.7	15.3	47.0	68.2	-21.2	Peak	Vertical
	10681.5	32.3	17.4	49.7	54.0	-4.3	Peak	Vertical
	12203.0	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 - Omni Antenna (AP-ANT-19)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3 (CDD Mode)	Test Channel:	46
Remark:	3. Average measurement was not performed if peak level lower than average limit. 4. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8607.5	32.0	13.5	45.5	68.2	-22.7	Peak	Horizontal
*	9925.0	32.3	15.3	47.6	68.2	-20.6	Peak	Horizontal
	11446.5	31.3	19.2	50.5	54.0	-3.5	Peak	Horizontal
	12126.5	31.0	18.9	49.9	54.0	-4.1	Peak	Horizontal
*	8888.0	31.1	14.0	45.1	68.2	-23.1	Peak	Vertical
*	9780.5	32.2	14.9	47.1	68.2	-21.1	Peak	Vertical
	11004.5	31.2	18.5	49.7	54.0	-4.3	Peak	Vertical
	11591.0	30.5	19.5	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 - Omni Antenna (AP-ANT-19)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3 (CDD Mode)	Test Channel:	151
Remark:	3. Average measurement was not performed if peak level lower than average limit. 4. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8684.0	32.9	13.7	46.6	68.2	-21.6	Peak	Horizontal
*	9738.0	31.3	14.8	46.1	68.2	-22.1	Peak	Horizontal
	11004.5	30.3	18.5	48.8	54.0	-5.2	Peak	Horizontal
	11625.0	31.1	19.4	50.5	54.0	-3.5	Peak	Horizontal
*	8675.5	31.0	13.7	44.7	68.2	-23.5	Peak	Vertical
*	9789.0	31.2	15.0	46.2	68.2	-22.0	Peak	Vertical
	11098.0	32.1	18.6	50.7	54.0	-3.3	Peak	Vertical
	11956.5	32.0	18.6	50.6	54.0	-3.4	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 - Omni Antenna (AP-ANT-19)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3 (CDD Mode)	Test Channel:	159
Remark:	3. Average measurement was not performed if peak level lower than average limit. 4. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8726.5	30.8	13.8	44.6	68.2	-23.6	Peak	Horizontal
*	9763.5	31.6	14.9	46.5	68.2	-21.7	Peak	Horizontal
	11055.5	31.0	18.5	49.5	54.0	-4.5	Peak	Horizontal
	12058.5	31.3	18.8	50.1	54.0	-3.9	Peak	Horizontal
*	8633.0	31.6	13.5	45.1	68.2	-23.1	Peak	Vertical
*	9840.0	31.7	16.0	47.7	68.2	-20.5	Peak	Vertical
	10970.5	31.2	18.4	49.6	54.0	-4.4	Peak	Vertical
	11616.5	30.9	19.4	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 - Omni Antenna (AP-ANT-19)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT80 - Ant 0 + 1 + 2 + 3 (CDD Mode)	Test Channel:	42
Remark:	3. Average measurement was not performed if peak level lower than average limit. 4. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8633.0	31.7	13.5	45.2	68.2	-23.0	Peak	Horizontal
*	9865.5	31.3	16.0	47.3	68.2	-20.9	Peak	Horizontal
	11106.5	30.3	18.6	48.9	54.0	-5.1	Peak	Horizontal
	11744.0	31.4	18.9	50.3	54.0	-3.7	Peak	Horizontal
*	8692.5	31.4	13.7	45.1	68.2	-23.1	Peak	Vertical
*	9857.0	31.1	16.2	47.3	68.2	-20.9	Peak	Vertical
	10792.0	31.4	17.9	49.3	54.0	-4.7	Peak	Vertical
	12203.0	31.8	18.8	50.6	54.0	-3.4	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 - Omni Antenna (AP-ANT-19)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT80 - Ant 0 + 1 + 2 + 3 (CDD Mode)	Test Channel:	155
Remark:	3. Average measurement was not performed if peak level lower than average limit. 4. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8522.5	32.4	13.0	45.4	68.2	-22.8	Peak	Horizontal
*	9857.0	32.1	16.2	48.3	68.2	-19.9	Peak	Horizontal
	11149.0	30.7	18.7	49.4	54.0	-4.6	Peak	Horizontal
	12109.5	31.0	18.9	49.9	54.0	-4.1	Peak	Horizontal
*	8871.0	32.3	14.0	46.3	68.2	-21.9	Peak	Vertical
*	9848.5	32.0	16.1	48.1	68.2	-20.1	Peak	Vertical
	11030.0	31.0	18.5	49.5	54.0	-4.5	Peak	Vertical
	12152.0	31.2	18.9	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 - Omni Antenna (AP-ANT-19)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT80+80 - Ant 0 + 1 / Ant 0 + 1 + 2 + 3 (CDD Mode)	Test Channel:	42
Remark:	3. Average measurement was not performed if peak level lower than average limit. 4. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7434.5	33.6	12.7	46.3	54.0	-7.7	Peak	Horizontal
	8497.0	32.4	12.8	45.2	54.0	-8.8	Peak	Horizontal
*	10010.0	32.4	15.4	47.8	68.2	-20.4	Peak	Horizontal
*	12866.0	30.8	19.3	50.1	68.2	-18.1	Peak	Horizontal
	7570.5	33.3	12.8	46.1	54.0	-7.9	Peak	Vertical
	8276.0	32.9	11.9	44.8	54.0	-9.2	Peak	Vertical
*	10103.5	32.1	15.7	47.8	68.2	-20.4	Peak	Vertical
*	12721.5	32.0	18.8	50.8	68.2	-17.4	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 - Omni Antenna (AP-ANT-19)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT80+80 - Ant 0 + 1 / Ant 0 + 1 + 2 + 3 (CDD Mode)	Test Channel:	155
Remark:	3. Average measurement was not performed if peak level lower than average limit. 4. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7366.5	33.6	12.5	46.1	54.0	-7.9	Peak	Horizontal
	8429.0	33.3	12.4	45.7	54.0	-8.3	Peak	Horizontal
*	10120.5	32.5	15.8	48.3	68.2	-19.9	Peak	Horizontal
*	12840.5	31.4	19.2	50.6	68.2	-17.6	Peak	Horizontal
	7366.5	33.6	12.5	46.1	54.0	-7.9	Peak	Vertical
	8242.0	32.9	11.9	44.8	54.0	-9.2	Peak	Vertical
*	9984.5	31.8	15.4	47.2	68.2	-21.0	Peak	Vertical
*	13070.0	32.0	20.0	52.0	68.2	-16.2	Peak	Vertical

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

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

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

Product	ACCESS POINT - Omni Antenna (AP-ANT-19)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT80+80 - Ant 2 + 3 / Ant 0 + 1 + 2 + 3 (CDD Mode)	Test Channel:	42
Remark:	3. Average measurement was not performed if peak level lower than average limit. 4. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7545.0	32.6	12.8	45.4	54.0	-8.6	Peak	Horizontal
	8463.0	32.4	12.6	45.0	54.0	-9.0	Peak	Horizontal
*	10120.5	32.6	15.8	48.4	68.2	-19.8	Peak	Horizontal
*	12951.0	31.2	19.7	50.9	68.2	-17.3	Peak	Horizontal
	7545.0	32.6	12.8	45.4	54.0	-8.6	Peak	Vertical
	8352.5	32.5	12.0	44.5	54.0	-9.5	Peak	Vertical
*	9942.0	31.9	15.3	47.2	68.2	-21.0	Peak	Vertical
*	12815.0	32.7	19.1	51.8	68.2	-16.4	Peak	Vertical

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

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

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

Product	ACCESS POINT - Omni Antenna (AP-ANT-19)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT80+80 - Ant 2 + 3 / Ant 0 + 1 + 2 + 3 (CDD Mode)	Test Channel:	155
Remark:	3. Average measurement was not performed if peak level lower than average limit. 4. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7545.0	32.6	12.8	45.4	54.0	-8.6	Peak	Horizontal
	8463.0	32.4	12.6	45.0	54.0	-9.0	Peak	Horizontal
*	10120.5	32.6	15.8	48.4	68.2	-19.8	Peak	Horizontal
*	12951.0	31.2	19.7	50.9	68.2	-17.3	Peak	Horizontal
	7545.0	32.6	12.8	45.4	54.0	-8.6	Peak	Vertical
	8352.5	32.5	12.0	44.5	54.0	-9.5	Peak	Vertical
*	9942.0	31.9	15.3	47.2	68.2	-21.0	Peak	Vertical
*	12815.0	32.7	19.1	51.8	68.2	-16.4	Peak	Vertical

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

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

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

Product	ACCESS POINT - Omni Antenna (AP-ANT-19)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11n-HT20 - 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
	7570.5	31.2	12.8	44.0	54.0	-10.0	Peak	Horizontal
	8352.5	30.9	12.0	42.9	54.0	-11.1	Peak	Horizontal
*	10171.5	31.3	16.1	47.4	68.2	-20.8	Peak	Horizontal
*	13070.0	32.0	20.0	52.0	68.2	-16.2	Peak	Horizontal
	7434.5	31.0	12.7	43.7	54.0	-10.3	Peak	Vertical
	8208.0	31.1	11.9	43.0	54.0	-11.0	Peak	Vertical
*	10120.5	29.6	15.8	45.4	68.2	-22.8	Peak	Vertical
*	13070.0	32.0	20.0	52.0	68.2	-16.2	Peak	Vertical

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

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

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

Product	ACCESS POINT - Omni Antenna (AP-ANT-19)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11n-HT20 - 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
	7434.5	31.0	12.7	43.7	54.0	-10.3	Peak	Horizontal
	8208.0	28.7	11.9	40.6	54.0	-13.4	Peak	Horizontal
*	10120.5	29.9	15.8	45.7	68.2	-22.5	Peak	Horizontal
*	12849.0	28.0	19.2	47.2	68.2	-21.0	Peak	Horizontal
	7519.5	28.8	12.8	41.6	54.0	-12.4	Peak	Vertical
	8259.0	28.5	11.9	40.4	54.0	-13.6	Peak	Vertical
*	10061.0	28.0	15.6	43.6	68.2	-24.6	Peak	Vertical
*	12849.0	28.0	19.2	47.2	68.2	-21.0	Peak	Vertical

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

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

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

Product	ACCESS POINT - Omni Antenna (AP-ANT-19)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11n-HT20 - 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
	7519.5	28.8	12.8	41.6	54.0	-12.4	Peak	Horizontal
	8310.0	28.9	11.9	40.8	54.0	-13.2	Peak	Horizontal
*	10214.0	27.6	16.3	43.9	68.2	-24.3	Peak	Horizontal
*	12951.0	28.0	19.7	47.7	68.2	-20.5	Peak	Horizontal
	7477.0	30.4	12.8	43.2	54.0	-10.8	Peak	Vertical
	8412.0	30.8	12.3	43.1	54.0	-10.9	Peak	Vertical
*	10078.0	29.1	15.6	44.7	68.2	-23.5	Peak	Vertical
*	12951.0	28.0	19.7	47.7	68.2	-20.5	Peak	Vertical

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

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

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

Product	ACCESS POINT - Omni Antenna (AP-ANT-19)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11n-HT20 - 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
	7332.5	30.2	12.4	42.6	54.0	-11.4	Peak	Horizontal
	8327.0	31.5	11.9	43.4	54.0	-10.6	Peak	Horizontal
*	9993.0	30.2	15.4	45.6	68.2	-22.6	Peak	Horizontal
*	12951.0	29.7	19.7	49.4	68.2	-18.8	Peak	Horizontal
	7443.0	31.3	12.7	44.0	54.0	-10.0	Peak	Vertical
	8259.0	31.1	11.9	43.0	54.0	-11.0	Peak	Vertical
*	10078.0	28.8	15.6	44.4	68.2	-23.8	Peak	Vertical
*	12951.0	29.7	19.7	49.4	68.2	-18.8	Peak	Vertical

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

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

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

Product	ACCESS POINT - Omni Antenna (AP-ANT-19)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11n-HT20 - 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
	7443.0	31.3	12.7	44.0	54.0	-10.0	Peak	Horizontal
	8471.5	31.0	12.6	43.6	54.0	-10.4	Peak	Horizontal
*	10188.5	28.6	16.2	44.8	68.2	-23.4	Peak	Horizontal
*	12891.5	29.5	19.4	48.9	68.2	-19.3	Peak	Horizontal
	7400.5	31.0	12.6	43.6	54.0	-10.4	Peak	Vertical
	8352.5	30.7	12.0	42.7	54.0	-11.3	Peak	Vertical
*	10137.5	29.1	15.9	45.0	68.2	-23.2	Peak	Vertical
*	12891.5	29.5	19.4	48.9	68.2	-19.3	Peak	Vertical

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

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

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

Product	ACCESS POINT - Omni Antenna (AP-ANT-19)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11n-HT20 - 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
	7400.5	31.0	12.6	43.6	54.0	-10.4	Peak	Horizontal
	8276.0	30.0	11.9	41.9	54.0	-12.1	Peak	Horizontal
*	10231.0	28.7	16.4	45.1	68.2	-23.1	Peak	Horizontal
*	12840.5	30.2	19.2	49.4	68.2	-18.8	Peak	Horizontal
	7400.5	28.9	12.6	41.5	54.0	-12.5	Peak	Vertical
	8352.5	29.5	12.0	41.5	54.0	-12.5	Peak	Vertical
*	10214.0	30.1	16.3	46.4	68.2	-21.8	Peak	Vertical
*	12840.5	30.2	19.2	49.4	68.2	-18.8	Peak	Vertical

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

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

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

Product	ACCESS POINT - Omni Antenna (AP-ANT-19)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11n-HT40 - 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
	7443.0	30.1	12.7	42.8	54.0	-11.2	Peak	Horizontal
	8429.0	31.0	12.4	43.4	54.0	-10.6	Peak	Horizontal
*	10171.5	29.7	16.1	45.8	68.2	-22.4	Peak	Horizontal
*	12857.5	29.6	19.3	48.9	68.2	-19.3	Peak	Horizontal
	7298.5	28.7	12.3	41.0	54.0	-13.0	Peak	Vertical
	8267.5	30.1	11.9	42.0	54.0	-12.0	Peak	Vertical
*	10171.5	30.5	16.1	46.6	68.2	-21.6	Peak	Vertical
*	12857.5	29.6	19.3	48.9	68.2	-19.3	Peak	Vertical

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

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

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

Product	ACCESS POINT - Omni Antenna (AP-ANT-19)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11n-HT40 - 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
	7298.5	28.7	12.3	41.0	54.0	-13.0	Peak	Horizontal
	8259.0	28.6	11.9	40.5	54.0	-13.5	Peak	Horizontal
*	9899.5	30.5	15.4	45.9	68.2	-22.3	Peak	Horizontal
*	13197.5	27.3	20.3	47.6	68.2	-20.6	Peak	Horizontal
	7375.0	31.1	12.5	43.6	54.0	-10.4	Peak	Vertical
	8284.5	28.9	11.9	40.8	54.0	-13.2	Peak	Vertical
*	10103.5	31.3	15.7	47.0	68.2	-21.2	Peak	Vertical
*	12789.5	29.2	19.0	48.2	68.2	-20.0	Peak	Vertical

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

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

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

Product	ACCESS POINT - Omni Antenna (AP-ANT-19)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11n-HT40 - 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
	7426.0	31.1	12.7	43.8	54.0	-10.2	Peak	Horizontal
	8301.5	31.3	11.9	43.2	54.0	-10.8	Peak	Horizontal
*	10061.0	30.0	15.6	45.6	68.2	-22.6	Peak	Horizontal
*	12857.5	28.0	19.3	47.3	68.2	-20.9	Peak	Horizontal
	7332.5	29.5	12.4	41.9	54.0	-12.1	Peak	Vertical
	8335.5	31.8	11.9	43.7	54.0	-10.3	Peak	Vertical
*	9993.0	29.2	15.4	44.6	68.2	-23.6	Peak	Vertical
*	12857.5	28.0	19.3	47.3	68.2	-20.9	Peak	Vertical

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

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

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

Product	ACCESS POINT - Omni Antenna (AP-ANT-19)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11n-HT40 - 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
	7451.5	29.9	12.8	42.7	54.0	-11.3	Peak	Horizontal
	8276.0	29.5	11.9	41.4	54.0	-12.6	Peak	Horizontal
*	10001.5	29.2	15.4	44.6	68.2	-23.6	Peak	Horizontal
*	12908.5	26.2	19.5	45.7	68.2	-22.5	Peak	Horizontal
	7511.0	31.0	12.8	43.8	54.0	-10.2	Peak	Vertical
	8386.5	32.1	12.1	44.2	54.0	-9.8	Peak	Vertical
*	10129.0	30.7	15.9	46.6	68.2	-21.6	Peak	Vertical
*	12908.5	26.2	19.5	45.7	68.2	-22.5	Peak	Vertical

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

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

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

Product	ACCESS POINT - Omni Antenna (AP-ANT-19)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	Test Channel:	36
Remark:	3. Average measurement was not performed if peak level lower than average limit. 4. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7332.5	29.5	12.4	41.9	54.0	-12.1	Peak	Horizontal
	8318.5	29.4	11.9	41.3	54.0	-12.7	Peak	Horizontal
*	9942.0	29.5	15.3	44.8	68.2	-23.4	Peak	Horizontal
*	12815.0	28.4	19.1	47.5	68.2	-20.7	Peak	Horizontal
	7400.5	30.8	12.6	43.4	54.0	-10.6	Peak	Vertical
	8497.0	30.5	12.8	43.3	54.0	-10.7	Peak	Vertical
*	10333.0	31.2	16.7	47.9	68.2	-20.3	Peak	Vertical
*	13070.0	30.3	20.0	50.3	68.2	-17.9	Peak	Vertical

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

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

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

Product	ACCESS POINT - Omni Antenna (AP-ANT-19)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	Test Channel:	44
Remark:	3. Average measurement was not performed if peak level lower than average limit. 4. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7400.5	30.8	12.6	43.4	54.0	-10.6	Peak	Horizontal
	8386.5	28.8	12.1	40.9	54.0	-13.1	Peak	Horizontal
*	9967.5	27.6	15.3	42.9	68.2	-25.3	Peak	Horizontal
*	12806.5	28.8	19.1	47.9	68.2	-20.3	Peak	Horizontal
	7434.5	30.1	12.7	42.8	54.0	-11.2	Peak	Vertical
	8463.0	28.7	12.6	41.3	54.0	-12.7	Peak	Vertical
*	10273.5	31.0	16.5	47.5	68.2	-20.7	Peak	Vertical
*	12806.5	28.8	19.1	47.9	68.2	-20.3	Peak	Vertical

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

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

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

Product	ACCESS POINT - Omni Antenna (AP-ANT-19)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	Test Channel:	48
Remark:	3. Average measurement was not performed if peak level lower than average limit. 4. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7434.5	30.1	12.7	42.8	54.0	-11.2	Peak	Horizontal
	8352.5	30.1	12.0	42.1	54.0	-11.9	Peak	Horizontal
*	9984.5	27.2	15.4	42.6	68.2	-25.6	Peak	Horizontal
*	12900.0	29.4	19.5	48.9	68.2	-19.3	Peak	Horizontal
	7383.5	29.2	12.5	41.7	54.0	-12.3	Peak	Vertical
	8276.0	29.4	11.9	41.3	54.0	-12.7	Peak	Vertical
*	10171.5	27.6	16.1	43.7	68.2	-24.5	Peak	Vertical
*	12900.0	29.4	19.5	48.9	68.2	-19.3	Peak	Vertical

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

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

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

Product	ACCESS POINT - Omni Antenna (AP-ANT-19)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	Test Channel:	149
Remark:	3. Average measurement was not performed if peak level lower than average limit. 4. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7366.5	29.9	12.5	42.4	54.0	-11.6	Peak	Horizontal
	8276.0	29.5	11.9	41.4	54.0	-12.6	Peak	Horizontal
*	10035.5	28.4	15.5	43.9	68.2	-24.3	Peak	Horizontal
*	12721.5	27.7	18.8	46.5	68.2	-21.7	Peak	Horizontal
	7494.0	30.1	12.8	42.9	54.0	-11.1	Peak	Vertical
	8344.0	31.1	12.0	43.1	54.0	-10.9	Peak	Vertical
*	10265.0	28.8	16.5	45.3	68.2	-22.9	Peak	Vertical
*	12721.5	27.7	18.8	46.5	68.2	-21.7	Peak	Vertical

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

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

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

Product	ACCESS POINT - Omni Antenna (AP-ANT-19)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	Test Channel:	157
Remark:	3. Average measurement was not performed if peak level lower than average limit. 4. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7494.0	30.1	12.8	42.9	54.0	-11.1	Peak	Horizontal
	8352.5	31.2	12.0	43.2	54.0	-10.8	Peak	Horizontal
*	9899.5	29.9	15.4	45.3	68.2	-22.9	Peak	Horizontal
*	12934.0	28.7	19.6	48.3	68.2	-19.9	Peak	Horizontal
	7468.5	29.2	12.8	42.0	54.0	-12.0	Peak	Vertical
	8352.5	29.7	12.0	41.7	54.0	-12.3	Peak	Vertical
*	10120.5	29.2	15.8	45.0	68.2	-23.2	Peak	Vertical
*	12934.0	28.7	19.6	48.3	68.2	-19.9	Peak	Vertical

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

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

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

Product	ACCESS POINT - Omni Antenna (AP-ANT-19)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	Test Channel:	165
Remark:	3. Average measurement was not performed if peak level lower than average limit. 4. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7468.5	29.2	12.8	42.0	54.0	-12.0	Peak	Horizontal
	8301.5	29.9	11.9	41.8	54.0	-12.2	Peak	Horizontal
*	10171.5	29.1	16.1	45.2	68.2	-23.0	Peak	Horizontal
*	12840.5	29.2	19.2	48.4	68.2	-19.8	Peak	Horizontal
	7332.5	28.4	12.4	40.8	54.0	-13.2	Peak	Vertical
	8199.5	29.6	12.0	41.6	54.0	-12.4	Peak	Vertical
*	10120.5	29.3	15.8	45.1	68.2	-23.1	Peak	Vertical
*	12840.5	29.2	19.2	48.4	68.2	-19.8	Peak	Vertical

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

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

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

Product	ACCESS POINT - Omni Antenna (AP-ANT-19)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	Test Channel:	38
Remark:	3. Average measurement was not performed if peak level lower than average limit. 4. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7511.0	31.0	12.8	43.8	54.0	-10.2	Peak	Horizontal
	8318.5	30.9	11.9	42.8	54.0	-11.2	Peak	Horizontal
*	9814.5	28.8	15.4	44.2	68.2	-24.0	Peak	Horizontal
*	12781.0	29.3	19.0	48.3	68.2	-19.9	Peak	Horizontal
	7587.5	28.6	12.7	41.3	54.0	-12.7	Peak	Vertical
	8403.5	29.5	12.2	41.7	54.0	-12.3	Peak	Vertical
*	10112.0	28.6	15.8	44.4	68.2	-23.8	Peak	Vertical
*	12781.0	29.3	19.0	48.3	68.2	-19.9	Peak	Vertical

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

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

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

Product	ACCESS POINT - Omni Antenna (AP-ANT-19)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	Test Channel:	46
Remark:	3. Average measurement was not performed if peak level lower than average limit. 4. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7587.5	28.6	12.7	41.3	54.0	-12.7	Peak	Horizontal
	8250.5	30.1	11.9	42.0	54.0	-12.0	Peak	Horizontal
*	9993.0	27.9	15.4	43.3	68.2	-24.9	Peak	Horizontal
*	12951.0	29.5	19.7	49.2	68.2	-19.0	Peak	Horizontal
	7366.5	30.1	12.5	42.6	54.0	-11.4	Peak	Vertical
	8199.5	29.4	12.0	41.4	54.0	-12.6	Peak	Vertical
*	9899.5	29.1	15.4	44.5	68.2	-23.7	Peak	Vertical
*	12951.0	29.5	19.7	49.2	68.2	-19.0	Peak	Vertical

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

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

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

Product	ACCESS POINT - Omni Antenna (AP-ANT-19)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	Test Channel:	151
Remark:	3. Average measurement was not performed if peak level lower than average limit. 4. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7400.5	31.2	12.6	43.8	54.0	-10.2	Peak	Horizontal
	8352.5	30.8	12.0	42.8	54.0	-11.2	Peak	Horizontal
*	10061.0	28.8	15.6	44.4	68.2	-23.8	Peak	Horizontal
*	13010.5	28.7	19.9	48.6	68.2	-19.6	Peak	Horizontal
	7545.0	28.9	12.8	41.7	54.0	-12.3	Peak	Vertical
	8276.0	30.3	11.9	42.2	54.0	-11.8	Peak	Vertical
*	10078.0	29.5	15.6	45.1	68.2	-23.1	Peak	Vertical
*	13010.5	28.7	19.9	48.6	68.2	-19.6	Peak	Vertical

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

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

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

Product	ACCESS POINT - Omni Antenna (AP-ANT-19)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	Test Channel:	159
Remark:	3. Average measurement was not performed if peak level lower than average limit. 4. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7545.0	28.9	12.8	41.7	54.0	-12.3	Peak	Horizontal
	8403.5	30.7	12.2	42.9	54.0	-11.1	Peak	Horizontal
*	9950.5	28.5	15.3	43.8	68.2	-24.4	Peak	Horizontal
*	12925.5	27.6	19.6	47.2	68.2	-21.0	Peak	Horizontal
	7358.0	27.9	12.4	40.3	54.0	-13.7	Peak	Vertical
	8386.5	29.2	12.1	41.3	54.0	-12.7	Peak	Vertical
*	9899.5	28.1	15.4	43.5	68.2	-24.7	Peak	Vertical
*	12925.5	27.6	19.6	47.2	68.2	-21.0	Peak	Vertical

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

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

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

Product	ACCESS POINT - Omni Antenna (AP-ANT-19)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT80 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	Test Channel:	42
Remark:	3. Average measurement was not performed if peak level lower than average limit. 4. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7358.0	27.9	12.4	40.3	54.0	-13.7	Peak	Horizontal
	8352.5	29.3	12.0	41.3	54.0	-12.7	Peak	Horizontal
*	10052.5	29.0	15.5	44.5	68.2	-23.7	Peak	Horizontal
*	12925.5	28.3	19.6	47.9	68.2	-20.3	Peak	Horizontal
	7485.5	30.9	12.8	43.7	54.0	-10.3	Peak	Vertical
	8310.0	30.0	11.9	41.9	54.0	-12.1	Peak	Vertical
*	10171.5	29.5	16.1	45.6	68.2	-22.6	Peak	Vertical
*	12925.5	28.3	19.6	47.9	68.2	-20.3	Peak	Vertical

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

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

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

Product	ACCESS POINT - Omni Antenna (AP-ANT-19)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT80 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	Test Channel:	155
Remark:	3. Average measurement was not performed if peak level lower than average limit. 4. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7579.0	27.8	12.7	40.5	54.0	-13.5	Peak	Horizontal
	8386.5	29.7	12.1	41.8	54.0	-12.2	Peak	Horizontal
*	10180.0	27.6	16.1	43.7	68.2	-24.5	Peak	Horizontal
*	12823.5	27.1	19.2	46.3	68.2	-21.9	Peak	Horizontal
	7434.5	31.3	12.7	44.0	54.0	-10.0	Peak	Vertical
	8386.5	30.8	12.1	42.9	54.0	-11.1	Peak	Vertical
*	10222.5	29.3	16.3	45.6	68.2	-22.6	Peak	Vertical
*	12823.5	27.1	19.2	46.3	68.2	-21.9	Peak	Vertical

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

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

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

Product	ACCESS POINT - Omni Antenna (AP-ANT-19)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT80+80 - Ant 0 + 1 / Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	Test Channel:	42
Remark:	3. Average measurement was not performed if peak level lower than average limit. 4. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7825.5	33.8	12.4	46.2	68.2	-22.0	Peak	Horizontal
*	8590.5	32.9	13.4	46.3	68.2	-21.9	Peak	Horizontal
	9347.0	31.5	14.5	46.0	54.0	-8.0	Peak	Horizontal
	11514.5	31.2	19.4	50.6	54.0	-3.4	Peak	Horizontal
*	7910.5	31.5	12.4	43.9	68.2	-24.3	Peak	Vertical
*	8650.0	32.6	13.6	46.2	68.2	-22.0	Peak	Vertical
	9330.0	31.4	14.6	46.0	54.0	-8.0	Peak	Vertical
	11514.5	30.8	19.4	50.2	54.0	-3.8	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 - Omni Antenna (AP-ANT-19)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT80+80 - Ant 0 + 1 / Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	Test Channel:	155
Remark:	3. Average measurement was not performed if peak level lower than average limit. 4. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7927.5	31.2	12.4	43.6	68.2	-24.6	Peak	Horizontal
*	8590.5	32.6	13.4	46.0	68.2	-22.2	Peak	Horizontal
	9168.5	32.7	14.7	47.4	54.0	-6.6	Peak	Horizontal
	11514.5	31.6	19.4	51.0	54.0	-3.0	Peak	Horizontal
*	7987.0	30.9	12.5	43.4	68.2	-24.8	Peak	Vertical
*	8573.5	31.9	13.3	45.2	68.2	-23.0	Peak	Vertical
	9449.0	30.6	14.4	45.0	54.0	-9.0	Peak	Vertical
	11591.0	31.1	19.5	50.6	54.0	-3.4	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 - Omni Antenna (AP-ANT-19)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT80+80 - Ant 2 + 3 / Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	Test Channel:	42
Remark:	3. Average measurement was not performed if peak level lower than average limit. 4. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7783.0	33.2	12.4	45.6	68.2	-22.6	Peak	Horizontal
*	8650.0	32.3	13.6	45.9	68.2	-22.3	Peak	Horizontal
	9109.0	32.4	14.5	46.9	54.0	-7.1	Peak	Horizontal
	11540.0	31.6	19.4	51.0	54.0	-3.0	Peak	Horizontal
*	7876.5	31.0	12.4	43.4	68.2	-24.8	Peak	Vertical
*	8607.5	31.7	13.5	45.2	68.2	-23.0	Peak	Vertical
	9389.5	32.1	14.5	46.6	54.0	-7.4	Peak	Vertical
	11599.5	31.1	19.4	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 - Omni Antenna (AP-ANT-19)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT80+80 - Ant 2 + 3 / Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	Test Channel:	155
Remark:	3. Average measurement was not performed if peak level lower than average limit. 4. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7859.5	32.4	12.4	44.8	68.2	-23.4	Peak	Horizontal
*	8684.0	32.8	13.7	46.5	68.2	-21.7	Peak	Horizontal
	9466.0	30.9	14.4	45.3	54.0	-8.7	Peak	Horizontal
	11472.0	30.5	19.3	49.8	54.0	-4.2	Peak	Horizontal
*	7825.5	32.8	12.4	45.2	68.2	-23.0	Peak	Vertical
*	8641.5	32.5	13.5	46.0	68.2	-22.2	Peak	Vertical
	9338.5	32.2	14.6	46.8	54.0	-7.2	Peak	Vertical
	11650.5	31.4	19.3	50.7	54.0	-3.3	Peak	Vertical

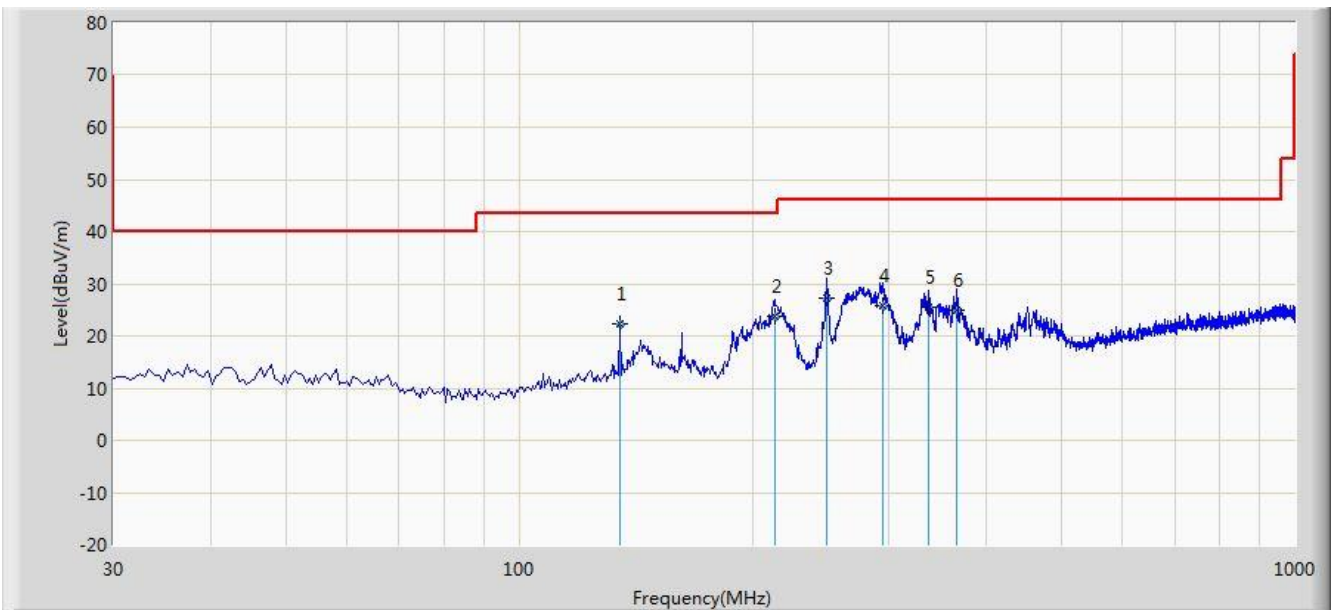
Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

The Worst Case of Radiated Emission below 1GHz:

Site: AC1	Time: 2018/03/10 - 15:09
Limit: NCC LP0002_RE(3m)	Engineer: Kevin Ker
Probe: VULB 9168_20-2000MHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: POE (DC 57V)
Test Mode: Transmit by 802.11ac-VHT20 at channel 5785MHz (CDD Mode)	



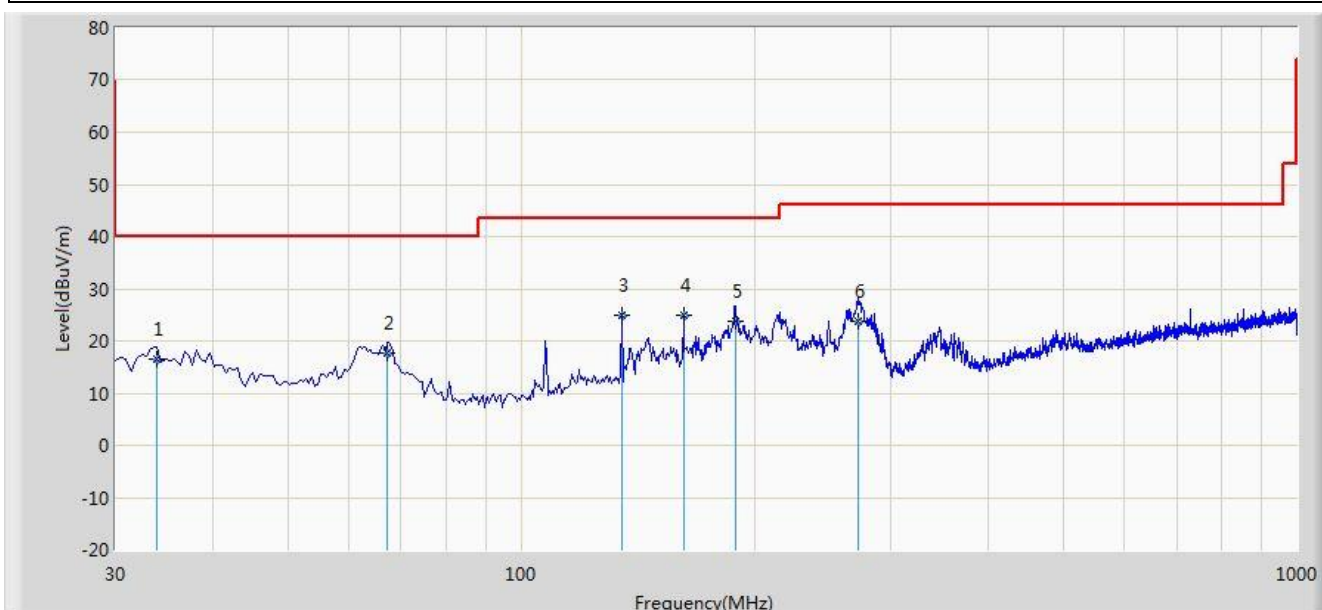
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			134.760	22.445	8.250	-21.055	43.500	14.195	QP
2			213.330	23.634	12.030	-19.866	43.500	11.604	QP
3		*	249.220	27.369	14.360	-18.631	46.000	13.009	QP
4			293.840	25.865	11.620	-20.135	46.000	14.244	QP
5			337.005	25.576	10.260	-20.424	46.000	15.316	QP
6			367.075	24.886	8.960	-21.114	46.000	15.926	QP

Note 1: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

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

Note 2: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 40GHz), therefore no data appear in the report.

Site: AC1	Time: 2018/03/10 - 15:10
Limit: NCC LP0002_RE(3m)	Engineer: Kevin Ker
Probe: VULB 9168_20-2000MHz	Polarity: Vertical
EUT: ACCESS POINT	Power: POE (DC 57V)
Test Mode: Transmit by 802.11ac-VHT20 at channel 5785MHz (CDD Mode)	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			33.880	16.521	2.630	-23.479	40.000	13.892	QP
2			67.345	17.716	5.630	-22.284	40.000	12.086	QP
3		*	134.760	24.885	10.690	-18.615	43.500	14.195	QP
4			161.920	24.820	9.690	-18.680	43.500	15.130	QP
5			189.300	23.873	12.050	-19.627	43.500	11.823	QP
6			271.530	23.896	10.250	-22.104	46.000	13.646	QP

Note 1: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

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

Note 2: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 40GHz), therefore no data appear in the report.

5.9. 發射功率控制

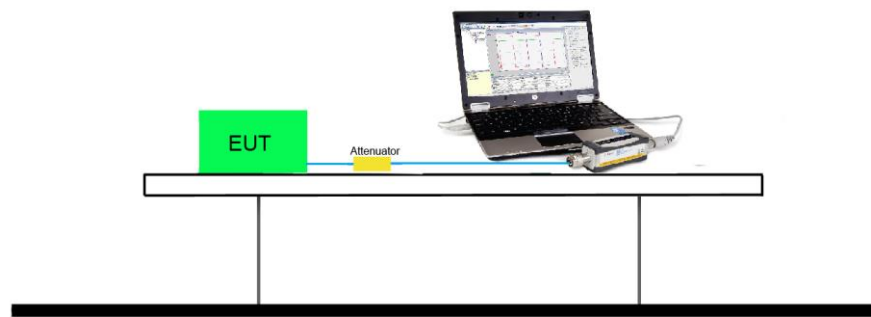
5.9.1. 適用標準

操作於5.250~5.350 及5.470~5.725 兆赫頻帶的設備，應具備發射功率控制機能。設備必須至少具有6dB 低於平均EIRP 值30dBm 的能力。

5.9.2. 量測方法

待測物之天線埠經由適當之衰減直接連至頻譜分析儀 RF 輸入端，峰值發射功率必須使用依據均方根等效電壓校準之儀器量測於任何連續傳輸之時段，量測結果須依儀器限制(如偵測器反應時間、相較於發射頻寬有限之解析頻寬能力，靈敏度等)調整得出正確之峰值量測或使用峰值功率表。

5.9.3. 測試架構圖



5.9.4. 發射功率控制測試結果

It gets addressed in the operational description.

5.10. 頻率穩定性

5.10.1. 適用標準

依據國家通訊傳播委員會低功率射頻電機技術規範之第 4.7.7 節

無線資訊傳輸設備的製造廠商應確保頻率穩定性，如依製造廠商使用手冊上所述正常操作，發射的信號應維持於操作頻帶中。

5.10.2. 量測方法

(一) 測量對溫度之頻率穩定性

1. 將未供電之受測物置於環境溫櫃中，供應受測物標稱之交流電源或使用全新或充電完全之電池。若可行，則將天線連接至受測物之天線輸出接頭。使用假性負載會影響受測物之輸出頻率。若受測物具備或使用長度可調整式之天線，應使其完全伸出。

2. 供應受測物標稱之交流電源或裝入全新或完全充電之電池於受測物。啟動受測物並耦合其輸出至計頻器或其他具足夠精度之頻率量測裝置，依受測物所必須符合的頻率差度衡量。

註：位元元元元元此量測目的，可將測量天線近置於受測物（例如離 15cm）而以適當長度之同軸纜線連接至測量儀器。

諧調受測物至任何指定之頻率，調整測量天線之位置及測量儀器上之控制，以獲得合適之信號位準，以避免測量儀器過載而又有足夠強度測量受測物操作或主波頻率之位準。

3. 關閉受測物且置之於環境溫櫃中，設定至適用規範指定之最高溫度。對正常為持續操作之裝置，當置於溫櫃中時可使受測物運作。對具備震盪器加熱器之裝置，當置於溫櫃中時只可使加熱器線路運作。

4. 使溫櫃之溫度有足夠時間達到穩定，當溫櫃內維持在一定溫度時，啟動受測物，並於開始時、以及啟動後第 2 分鐘、第 5 分鐘與第 10 分鐘測量受測物之操作頻率，共作四次測量。

5. 若只有單一操作頻率須測量，請進行步驟(6)，否則關閉受測物且使其有足夠時間以回穩在環境溫度，將受測物連續設定於其他新增的操作頻率以重複步驟(4)。

6. 重複步驟(4)與(5) 但溫櫃設定至適用章節規定之最低溫度。在進行此測量之前須確定使溫櫃到達穩定。

(二) 測量對輸入電壓之頻率穩定性

1. 本測量可在環境室溫為+15 到+25 oC 範圍內進行，或者使用環境溫櫃設定為+20°C 。若可能的話，則將天線連接至受測物之天線輸出接頭，以避免假性負載影響受測物之輸出頻率。若受測物具備或使用長度可調整式之天線，應使其完全伸出。

2. 供應受測物標稱之交流電源或使用全新或充電完全之電池。啟動受測物並耦合其輸出至計頻器或其他具足夠精度之頻率量測裝置，依受測物所必須符合的頻率差度衡量。

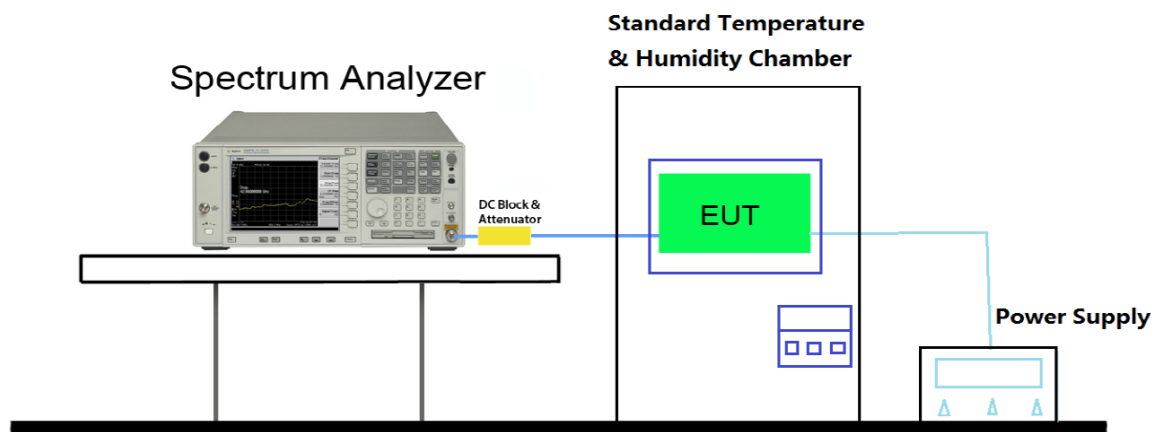
註：為達量測目的，可將測量天線近置於受測物（例如離 15cm）而以適當長度之同軸纜線連接至測量儀器。

3. 諧調受測物至任何規定之頻率，調整測量天線之位置及測量儀器上之控制以獲得合適之信號位準，以避免測量儀器過載而又有足夠強度測量受測物操作或主波頻率之位準。關閉受測物，而若有需要置

之於環境溫櫃中，在繼續進行之前使溫櫃穩定在+20°C，約須 30 分鐘。啟動受測物並於開始時、以及啟動後第 2 分鐘、第 5 分鐘與第 10 分鐘測量受測物之操作頻率，共作四次測量。

4. 若只有單一操作頻率須測量，請進行步驟(5)，否則關閉受測物且使其有足夠時間以回穩在環境溫度，將受測物連續設定於其他新增的操作頻率以重複步驟(3)。
5. 若受測物由交流電力線供電，供應其 85%的標稱交流電壓並重複步驟(3)與(4)。若受測物由電池供電，供應其標稱最低工作電壓。
6. 若受測物由交流電力線電，供應其 115%的標稱交流電壓並重複步驟(3)與(4)。

5.10.3. 測試架構圖



5. 10. 4. 頻率穩定性測試結果

Test Engineer	Kevin Ker	Temperature	-30 ~ 50°C
Test Time	2018/02/12	Relative Humidity	48 ~ 55%RH
Test Mode	5320MHz (Carrier Mode)	Test Site	SR2

Voltage (%)	Power (VAC)	Temp (°C)	Frequency Tolerance (ppm)
100%	120	- 30	2.32
		- 20	2.14
		- 10	1.98
		0	1.77
		+ 10	1.45
		+ 20 (Ref)	0.84
		+ 30	-0.18
		+ 40	-1.46
		+ 50	-2.31
115%	138	+ 20	1.44
85%	102	+ 20	0.98

Note: Frequency Tolerance (ppm) = {[Measured Frequency (Hz) - Declared Frequency (Hz)] / Declared Frequency (Hz)} *10⁶.

_____ The End _____