

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	54
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7638.5	32.9	12.6	45.5	74.0	-28.5	Peak	Horizontal
	11489.0	30.2	19.3	49.5	74.0	-24.5	Peak	Horizontal
*	13903.0	31.2	22.3	53.5	68.2	-14.7	Peak	Horizontal
*	16274.5	31.9	21.0	52.9	68.2	-15.3	Peak	Horizontal
	7349.5	32.4	12.4	44.8	74.0	-29.2	Peak	Vertical
	11217.0	28.2	18.8	47.0	74.0	-27.0	Peak	Vertical
*	13860.5	29.1	22.3	51.4	68.2	-16.8	Peak	Vertical
*	16436.0	31.2	21.6	52.8	68.2	-15.4	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	62
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7562.0	32.8	12.8	45.6	74.0	-28.4	Peak	Horizontal
	11191.5	30.2	18.7	48.9	74.0	-25.1	Peak	Horizontal
*	13920.0	29.5	22.4	51.9	68.2	-16.3	Peak	Horizontal
*	16359.5	31.0	21.3	52.3	68.2	-15.9	Peak	Horizontal
	7485.5	32.7	12.8	45.5	74.0	-28.5	Peak	Vertical
	11225.5	28.5	18.8	47.3	74.0	-26.7	Peak	Vertical
*	13622.5	29.4	21.8	51.2	68.2	-17.0	Peak	Vertical
*	16538.0	31.0	22.1	53.1	68.2	-15.1	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	102
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7604.5	30.9	12.7	43.6	74.0	-30.4	Peak	Horizontal
	11370.0	28.2	19.0	47.2	74.0	-26.8	Peak	Horizontal
*	13903.0	29.2	22.3	51.5	68.2	-16.7	Peak	Horizontal
*	16206.5	30.4	20.7	51.1	68.2	-17.1	Peak	Horizontal
	7604.5	32.6	12.7	45.3	74.0	-28.7	Peak	Vertical
	11174.5	28.5	18.7	47.2	74.0	-26.8	Peak	Vertical
*	13571.5	28.7	21.8	50.5	68.2	-17.7	Peak	Vertical
*	16504.0	31.4	21.9	53.3	68.2	-14.9	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	118
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7511.0	31.9	12.8	44.7	74.0	-29.3	Peak	Horizontal
	11378.5	29.9	19.1	49.0	74.0	-25.0	Peak	Horizontal
*	13826.5	30.9	22.2	53.1	68.2	-15.1	Peak	Horizontal
*	16283.0	31.2	21.0	52.2	68.2	-16.0	Peak	Horizontal
	7443.0	32.8	12.7	45.5	74.0	-28.5	Peak	Vertical
	11251.0	28.2	18.8	47.0	74.0	-27.0	Peak	Vertical
*	13826.5	30.9	22.2	53.1	68.2	-15.1	Peak	Vertical
*	16274.5	31.1	21.0	52.1	68.2	-16.1	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	134
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7545.0	32.1	12.8	44.9	74.0	-29.1	Peak	Horizontal
	11701.5	28.7	19.1	47.8	74.0	-26.2	Peak	Horizontal
*	13894.5	29.2	22.3	51.5	68.2	-16.7	Peak	Horizontal
*	16351.0	31.0	21.3	52.3	68.2	-15.9	Peak	Horizontal
	7468.5	32.0	12.8	44.8	74.0	-29.2	Peak	Vertical
	11242.5	28.1	18.8	46.9	74.0	-27.1	Peak	Vertical
*	13546.0	29.4	21.9	51.3	68.2	-16.9	Peak	Vertical
*	16555.0	30.7	22.2	52.9	68.2	-15.3	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	142
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7511.0	32.6	12.8	45.4	74.0	-28.6	Peak	Horizontal
	11735.5	28.9	19.0	47.9	74.0	-26.1	Peak	Horizontal
*	13758.5	30.7	22.0	52.7	68.2	-15.5	Peak	Horizontal
*	16572.0	31.0	22.3	53.3	68.2	-14.9	Peak	Horizontal
	7519.5	32.7	12.8	45.5	74.0	-28.5	Peak	Vertical
	11191.5	28.2	18.7	46.9	74.0	-27.1	Peak	Vertical
*	13605.5	29.5	21.8	51.3	68.2	-16.9	Peak	Vertical
*	16359.5	31.2	21.3	52.5	68.2	-15.7	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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
	7579.0	31.8	12.7	44.5	74.0	-29.5	Peak	Horizontal
	11786.5	29.1	18.8	47.9	74.0	-26.1	Peak	Horizontal
*	13911.5	30.3	22.4	52.7	68.2	-15.5	Peak	Horizontal
*	16274.5	30.6	21.0	51.6	68.2	-16.6	Peak	Horizontal
	7502.5	33.2	12.8	46.0	74.0	-28.0	Peak	Vertical
	11268.0	28.1	18.8	46.9	74.0	-27.1	Peak	Vertical
*	13699.0	29.0	22.0	51.0	68.2	-17.2	Peak	Vertical
*	16512.5	31.3	21.9	53.2	68.2	-15.0	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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
	7562.0	34.9	12.8	47.7	74.0	-26.3	Peak	Horizontal
	11582.5	30.1	19.5	49.6	74.0	-24.4	Peak	Horizontal
*	13486.5	30.9	21.7	52.6	68.2	-15.6	Peak	Horizontal
*	16436.0	31.4	21.6	53.0	68.2	-15.2	Peak	Horizontal
	7613.0	32.4	12.6	45.0	74.0	-29.0	Peak	Vertical
	11293.5	28.4	18.9	47.3	74.0	-26.7	Peak	Vertical
*	13486.5	29.2	21.7	50.9	68.2	-17.3	Peak	Vertical
*	16215.0	30.6	20.7	51.3	68.2	-16.9	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7647.0	32.9	12.5	45.4	74.0	-28.6	Peak	Horizontal
	11684.5	29.5	19.2	48.7	74.0	-25.3	Peak	Horizontal
*	13631.0	30.9	21.8	52.7	68.2	-15.5	Peak	Horizontal
*	16385.0	31.6	21.4	53.0	68.2	-15.2	Peak	Horizontal
	7468.5	30.8	12.8	43.6	74.0	-30.4	Peak	Vertical
	11327.5	28.3	18.9	47.2	74.0	-26.8	Peak	Vertical
*	13665.0	29.8	21.9	51.7	68.2	-16.5	Peak	Vertical
*	16453.0	30.8	21.6	52.4	68.2	-15.8	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7519.5	32.0	12.8	44.8	74.0	-29.2	Peak	Horizontal
	11429.5	29.7	19.2	48.9	74.0	-25.1	Peak	Horizontal
*	13809.5	29.7	22.1	51.8	68.2	-16.4	Peak	Horizontal
*	16274.5	30.3	21.0	51.3	68.2	-16.9	Peak	Horizontal
	7451.5	32.8	12.8	45.6	74.0	-28.4	Peak	Vertical
	11174.5	28.3	18.7	47.0	74.0	-27.0	Peak	Vertical
*	13673.5	28.9	21.9	50.8	68.2	-17.4	Peak	Vertical
*	16563.5	30.9	22.2	53.1	68.2	-15.1	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7630.0	32.8	12.6	45.4	74.0	-28.6	Peak	Horizontal
	11565.5	29.8	19.5	49.3	74.0	-24.7	Peak	Horizontal
*	13673.5	29.8	21.9	51.7	68.2	-16.5	Peak	Horizontal
*	16283.0	30.7	21.0	51.7	68.2	-16.5	Peak	Horizontal
	7596.0	30.8	12.7	43.5	74.0	-30.5	Peak	Vertical
	11251.0	27.6	18.8	46.4	74.0	-27.6	Peak	Vertical
*	13427.0	28.7	21.5	50.2	68.2	-18.0	Peak	Vertical
*	16291.5	30.6	21.0	51.6	68.2	-16.6	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	52
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7494.0	33.5	12.8	46.3	74.0	-27.7	Peak	Horizontal
	11548.5	30.4	19.4	49.8	74.0	-24.2	Peak	Horizontal
*	13928.5	29.8	22.4	52.2	68.2	-16.0	Peak	Horizontal
*	16546.5	31.1	22.1	53.2	68.2	-15.0	Peak	Horizontal
	7451.5	31.8	12.8	44.6	74.0	-29.4	Peak	Vertical
	11259.5	28.2	18.8	47.0	74.0	-27.0	Peak	Vertical
*	13546.0	29.2	21.9	51.1	68.2	-17.1	Peak	Vertical
*	16359.5	31.1	21.3	52.4	68.2	-15.8	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	60
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7400.5	31.7	12.6	44.3	74.0	-29.7	Peak	Horizontal
	11820.5	28.8	18.7	47.5	74.0	-26.5	Peak	Horizontal
*	13367.5	28.8	21.2	50.0	68.2	-18.2	Peak	Horizontal
*	16283.0	31.7	21.0	52.7	68.2	-15.5	Peak	Horizontal
	7536.5	32.3	12.8	45.1	74.0	-28.9	Peak	Vertical
	11710.0	28.0	19.1	47.1	74.0	-26.9	Peak	Vertical
*	13427.0	28.9	21.5	50.4	68.2	-17.8	Peak	Vertical
*	16538.0	31.0	22.1	53.1	68.2	-15.1	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	64
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7536.5	31.8	12.8	44.6	74.0	-29.4	Peak	Horizontal
	11744.0	29.5	18.9	48.4	74.0	-25.6	Peak	Horizontal
*	13682.0	29.6	21.9	51.5	68.2	-16.7	Peak	Horizontal
*	16274.5	30.9	21.0	51.9	68.2	-16.3	Peak	Horizontal
	7468.5	32.9	12.8	45.7	74.0	-28.3	Peak	Vertical
	11378.5	28.7	19.1	47.8	74.0	-26.2	Peak	Vertical
*	13869.0	29.0	22.3	51.3	68.2	-16.9	Peak	Vertical
*	16393.5	31.1	21.5	52.6	68.2	-15.6	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	100
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7638.5	33.0	12.6	45.6	74.0	-28.4	Peak	Horizontal
	11276.5	28.4	18.8	47.2	74.0	-26.8	Peak	Horizontal
*	13928.5	29.9	22.4	52.3	68.2	-15.9	Peak	Horizontal
*	16206.5	31.4	20.7	52.1	68.2	-16.1	Peak	Horizontal
	7604.5	32.8	12.7	45.5	74.0	-28.5	Peak	Vertical
	11302.0	27.9	18.9	46.8	74.0	-27.2	Peak	Vertical
*	13588.5	28.8	21.8	50.6	68.2	-17.6	Peak	Vertical
*	16206.5	30.9	20.7	51.6	68.2	-16.6	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	120
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7613.0	32.5	12.6	45.1	74.0	-28.9	Peak	Horizontal
	11871.5	30.4	18.7	49.1	74.0	-24.9	Peak	Horizontal
*	13758.5	29.3	22.0	51.3	68.2	-16.9	Peak	Horizontal
*	16495.5	31.3	21.9	53.2	68.2	-15.0	Peak	Horizontal
	7502.5	32.7	12.8	45.5	74.0	-28.5	Peak	Vertical
	11208.5	27.8	18.8	46.6	74.0	-27.4	Peak	Vertical
*	13665.0	29.8	21.9	51.7	68.2	-16.5	Peak	Vertical
*	16512.5	30.8	21.9	52.7	68.2	-15.5	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	140
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7400.5	33.0	12.6	45.6	74.0	-28.4	Peak	Horizontal
	11395.5	31.2	19.1	50.3	74.0	-23.7	Peak	Horizontal
*	13894.5	29.6	22.3	51.9	68.2	-16.3	Peak	Horizontal
*	16495.5	31.1	21.9	53.0	68.2	-15.2	Peak	Horizontal
	7443.0	33.2	12.7	45.9	74.0	-28.1	Peak	Vertical
	11276.5	28.4	18.8	47.2	74.0	-26.8	Peak	Vertical
*	13588.5	28.9	21.8	50.7	68.2	-17.5	Peak	Vertical
*	16427.5	31.3	21.6	52.9	68.2	-15.3	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	144
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7579.0	32.4	12.7	45.1	74.0	-28.9	Peak	Horizontal
	11446.5	29.7	19.2	48.9	74.0	-25.1	Peak	Horizontal
*	13784.0	30.4	22.1	52.5	68.2	-15.7	Peak	Horizontal
*	16427.5	31.3	21.6	52.9	68.2	-15.3	Peak	Horizontal
	7528.0	32.5	12.8	45.3	74.0	-28.7	Peak	Vertical
	11225.5	28.1	18.8	46.9	74.0	-27.1	Peak	Vertical
*	13733.0	29.2	22.0	51.2	68.2	-17.0	Peak	Vertical
*	16291.5	30.9	21.0	51.9	68.2	-16.3	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7502.5	32.5	12.8	45.3	74.0	-28.7	Peak	Horizontal
	11727.0	28.8	19.0	47.8	74.0	-26.2	Peak	Horizontal
*	13741.5	31.5	22.0	53.5	68.2	-14.7	Peak	Horizontal
*	16512.5	31.3	21.9	53.2	68.2	-15.0	Peak	Horizontal
	7451.5	32.7	12.8	45.5	74.0	-28.5	Peak	Vertical
	11276.5	28.3	18.8	47.1	74.0	-26.9	Peak	Vertical
*	13639.5	28.9	21.8	50.7	68.2	-17.5	Peak	Vertical
*	16351.0	30.7	21.3	52.0	68.2	-16.2	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is 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	32.2	12.7	44.9	74.0	-29.1	Peak	Horizontal
	11421.0	30.3	19.1	49.4	74.0	-24.6	Peak	Horizontal
*	13801.0	30.6	22.1	52.7	68.2	-15.5	Peak	Horizontal
*	16495.5	31.3	21.9	53.2	68.2	-15.0	Peak	Horizontal
	7536.5	32.8	12.8	45.6	74.0	-28.4	Peak	Vertical
	11327.5	28.3	18.9	47.2	74.0	-26.8	Peak	Vertical
*	13631.0	30.8	21.8	52.6	68.2	-15.6	Peak	Vertical
*	16529.5	31.0	22.0	53.0	68.2	-15.2	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7604.5	31.7	12.7	44.4	74.0	-29.6	Peak	Horizontal
	11506.0	30.4	19.4	49.8	74.0	-24.2	Peak	Horizontal
*	13767.0	31.5	22.0	53.5	68.2	-14.7	Peak	Horizontal
*	16274.5	30.7	21.0	51.7	68.2	-16.5	Peak	Horizontal
	7477.0	32.3	12.8	45.1	74.0	-28.9	Peak	Vertical
	11174.5	28.7	18.7	47.4	74.0	-26.6	Peak	Vertical
*	13622.5	29.3	21.8	51.1	68.2	-17.1	Peak	Vertical
*	16283.0	30.9	21.0	51.9	68.2	-16.3	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is 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	32.2	12.8	45.0	74.0	-29.0	Peak	Horizontal
	11582.5	29.2	19.5	48.7	74.0	-25.3	Peak	Horizontal
*	13733.0	29.8	22.0	51.8	68.2	-16.4	Peak	Horizontal
*	16376.5	31.7	21.4	53.1	68.2	-15.1	Peak	Horizontal
	7494.0	33.1	12.8	45.9	74.0	-28.1	Peak	Vertical
	11276.5	28.4	18.8	47.2	74.0	-26.8	Peak	Vertical
*	13597.0	28.5	21.8	50.3	68.2	-17.9	Peak	Vertical
*	16436.0	31.1	21.6	52.7	68.2	-15.5	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is 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	33.0	12.8	45.8	74.0	-28.2	Peak	Horizontal
	11438.0	30.0	19.2	49.2	74.0	-24.8	Peak	Horizontal
*	13792.5	31.0	22.1	53.1	68.2	-15.1	Peak	Horizontal
*	16308.5	32.3	21.1	53.4	68.2	-14.8	Peak	Horizontal
	7528.0	32.1	12.8	44.9	74.0	-29.1	Peak	Vertical
	11208.5	27.8	18.8	46.6	74.0	-27.4	Peak	Vertical
*	13622.5	28.9	21.8	50.7	68.2	-17.5	Peak	Vertical
*	16461.5	31.1	21.7	52.8	68.2	-15.4	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	54
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7664.0	32.6	12.5	45.1	74.0	-28.9	Peak	Horizontal
	11438.0	29.7	19.2	48.9	74.0	-25.1	Peak	Horizontal
*	13665.0	30.2	21.9	52.1	68.2	-16.1	Peak	Horizontal
*	16529.5	31.1	22.0	53.1	68.2	-15.1	Peak	Horizontal
	7417.5	31.6	12.6	44.2	74.0	-29.8	Peak	Vertical
	11276.5	28.5	18.8	47.3	74.0	-26.7	Peak	Vertical
*	13665.0	29.4	21.9	51.3	68.2	-16.9	Peak	Vertical
*	16538.0	31.1	22.1	53.2	68.2	-15.0	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	62
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7655.5	33.6	12.5	46.1	74.0	-27.9	Peak	Horizontal
	11591.0	30.3	19.5	49.8	74.0	-24.2	Peak	Horizontal
*	13733.0	29.5	22.0	51.5	68.2	-16.7	Peak	Horizontal
*	16504.0	31.5	21.9	53.4	68.2	-14.8	Peak	Horizontal
	7434.5	32.1	12.7	44.8	74.0	-29.2	Peak	Vertical
	11200.0	27.9	18.7	46.6	74.0	-27.4	Peak	Vertical
*	13733.0	29.5	22.0	51.5	68.2	-16.7	Peak	Vertical
*	16444.5	30.9	21.6	52.5	68.2	-15.7	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	102
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7630.0	32.8	12.6	45.4	74.0	-28.6	Peak	Horizontal
	11846.0	29.3	18.7	48.0	74.0	-26.0	Peak	Horizontal
*	13962.5	30.4	22.5	52.9	68.2	-15.3	Peak	Horizontal
*	16359.5	31.1	21.3	52.4	68.2	-15.8	Peak	Horizontal
	7562.0	32.8	12.8	45.6	74.0	-28.4	Peak	Vertical
	11225.5	28.1	18.8	46.9	74.0	-27.1	Peak	Vertical
*	13639.5	28.8	21.8	50.6	68.2	-17.6	Peak	Vertical
*	16495.5	31.4	21.9	53.3	68.2	-14.9	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	118
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7409.0	32.2	12.6	44.8	74.0	-29.2	Peak	Horizontal
	11438.0	29.8	19.2	49.0	74.0	-25.0	Peak	Horizontal
*	13792.5	29.8	22.1	51.9	68.2	-16.3	Peak	Horizontal
*	16546.5	30.9	22.1	53.0	68.2	-15.2	Peak	Horizontal
	7511.0	32.1	12.8	44.9	74.0	-29.1	Peak	Vertical
	11871.5	28.2	18.7	46.9	74.0	-27.1	Peak	Vertical
*	13716.0	29.0	22.0	51.0	68.2	-17.2	Peak	Vertical
*	16427.5	31.1	21.6	52.7	68.2	-15.5	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	134
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7485.5	32.1	12.8	44.9	74.0	-29.1	Peak	Horizontal
	11608.0	30.2	19.4	49.6	74.0	-24.4	Peak	Horizontal
*	13911.5	29.9	22.4	52.3	68.2	-15.9	Peak	Horizontal
*	16487.0	31.0	21.8	52.8	68.2	-15.4	Peak	Horizontal
	7613.0	33.5	12.6	46.1	74.0	-27.9	Peak	Vertical
	11149.0	29.0	18.7	47.7	74.0	-26.3	Peak	Vertical
*	13622.5	28.6	21.8	50.4	68.2	-17.8	Peak	Vertical
*	16215.0	30.4	20.7	51.1	68.2	-17.1	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	142
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7477.0	32.0	12.8	44.8	74.0	-29.2	Peak	Horizontal
	11183.0	28.1	18.7	46.8	74.0	-27.2	Peak	Horizontal
*	13563.0	30.7	21.8	52.5	68.2	-15.7	Peak	Horizontal
*	16478.5	31.0	21.8	52.8	68.2	-15.4	Peak	Horizontal
	7400.5	32.3	12.6	44.9	74.0	-29.1	Peak	Vertical
	11191.5	27.7	18.7	46.4	74.0	-27.6	Peak	Vertical
*	13903.0	28.9	22.3	51.2	68.2	-17.0	Peak	Vertical
*	16274.5	30.5	21.0	51.5	68.2	-16.7	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7604.5	31.3	12.7	44.0	74.0	-30.0	Peak	Horizontal
	11191.5	28.2	18.7	46.9	74.0	-27.1	Peak	Horizontal
*	13852.0	30.7	22.3	53.0	68.2	-15.2	Peak	Horizontal
*	16368.0	30.8	21.4	52.2	68.2	-16.0	Peak	Horizontal
	7587.5	33.3	12.7	46.0	74.0	-28.0	Peak	Vertical
	10928.0	29.7	18.4	48.1	74.0	-25.9	Peak	Vertical
*	13563.0	29.3	21.8	51.1	68.2	-17.1	Peak	Vertical
*	16521.0	30.9	22.0	52.9	68.2	-15.3	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7511.0	32.4	12.8	45.2	74.0	-28.8	Peak	Horizontal
	11106.5	30.6	18.6	49.2	74.0	-24.8	Peak	Horizontal
*	13852.0	30.3	22.3	52.6	68.2	-15.6	Peak	Horizontal
*	16274.5	31.0	21.0	52.0	68.2	-16.2	Peak	Horizontal
	7587.5	33.3	12.7	46.0	74.0	-28.0	Peak	Vertical
	11191.5	28.4	18.7	47.1	74.0	-26.9	Peak	Vertical
*	13852.0	30.3	22.3	52.6	68.2	-15.6	Peak	Vertical
*	16470.0	31.1	21.7	52.8	68.2	-15.4	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7655.5	33.2	12.5	45.7	74.0	-28.3	Peak	Horizontal
	11574.0	29.0	19.5	48.5	74.0	-25.5	Peak	Horizontal
*	13801.0	29.0	22.1	51.1	68.2	-17.1	Peak	Horizontal
*	16291.5	30.2	21.0	51.2	68.2	-17.0	Peak	Horizontal
	7383.5	33.1	12.5	45.6	74.0	-28.4	Peak	Vertical
	11242.5	27.9	18.8	46.7	74.0	-27.3	Peak	Vertical
*	13631.0	28.9	21.8	50.7	68.2	-17.5	Peak	Vertical
*	16444.5	31.4	21.6	53.0	68.2	-15.2	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	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
	7502.5	32.5	12.8	45.3	74.0	-28.7	Peak	Horizontal
	11786.5	29.2	18.8	48.0	74.0	-26.0	Peak	Horizontal
*	13605.5	29.5	21.8	51.3	68.2	-16.9	Peak	Horizontal
*	16325.5	30.7	21.2	51.9	68.2	-16.3	Peak	Horizontal
	7485.5	32.3	12.8	45.1	74.0	-28.9	Peak	Vertical
	11234.0	28.1	18.8	46.9	74.0	-27.1	Peak	Vertical
*	13673.5	28.6	21.9	50.5	68.2	-17.7	Peak	Vertical
*	16410.5	30.7	21.5	52.2	68.2	-16.0	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	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
	7519.5	32.7	12.8	45.5	74.0	-28.5	Peak	Horizontal
	11438.0	30.4	19.2	49.6	74.0	-24.4	Peak	Horizontal
*	13860.5	30.3	22.3	52.6	68.2	-15.6	Peak	Horizontal
*	16436.0	31.6	21.6	53.2	68.2	-15.0	Peak	Horizontal
	7434.5	32.7	12.7	45.4	74.0	-28.6	Peak	Vertical
	11370.0	27.9	19.0	46.9	74.0	-27.1	Peak	Vertical
*	13648.0	29.1	21.8	50.9	68.2	-17.3	Peak	Vertical
*	16504.0	31.3	21.9	53.2	68.2	-15.0	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	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
	7511.0	33.0	12.8	45.8	74.0	-28.2	Peak	Horizontal
	11132.0	28.8	18.6	47.4	74.0	-26.6	Peak	Horizontal
*	13826.5	31.1	22.2	53.3	68.2	-14.9	Peak	Horizontal
*	16274.5	30.7	21.0	51.7	68.2	-16.5	Peak	Horizontal
	7519.5	32.7	12.8	45.5	74.0	-28.5	Peak	Vertical
	11225.5	28.5	18.8	47.3	74.0	-26.7	Peak	Vertical
*	13614.0	29.4	21.8	51.2	68.2	-17.0	Peak	Vertical
*	16385.0	31.3	21.4	52.7	68.2	-15.5	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	138
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7443.0	31.6	12.7	44.3	74.0	-29.7	Peak	Horizontal
	11395.5	29.8	19.1	48.9	74.0	-25.1	Peak	Horizontal
*	13903.0	29.0	22.3	51.3	68.2	-16.9	Peak	Horizontal
*	16487.0	31.4	21.8	53.2	68.2	-15.0	Peak	Horizontal
	7451.5	32.4	12.8	45.2	74.0	-28.8	Peak	Vertical
	11429.5	29.9	19.2	49.1	74.0	-24.9	Peak	Vertical
*	13656.5	29.1	21.8	50.9	68.2	-17.3	Peak	Vertical
*	16291.5	30.5	21.0	51.5	68.2	-16.7	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7536.5	32.5	12.8	45.3	74.0	-28.7	Peak	Horizontal
	11429.5	30.7	19.2	49.9	74.0	-24.1	Peak	Horizontal
*	13673.5	30.5	21.9	52.4	68.2	-15.8	Peak	Horizontal
*	16351.0	31.3	21.3	52.6	68.2	-15.6	Peak	Horizontal
	7468.5	31.3	12.8	44.1	74.0	-29.9	Peak	Vertical
	11472.0	30.8	19.3	50.1	74.0	-23.9	Peak	Vertical
*	13605.5	29.7	21.8	51.5	68.2	-16.7	Peak	Vertical
*	16436.0	31.0	21.6	52.6	68.2	-15.6	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7910.5	32.2	12.4	44.6	68.2	-23.6	Peak	Horizontal
*	8726.5	32.2	13.8	46.0	68.2	-22.2	Peak	Horizontal
	9398.0	31.4	14.5	45.9	74.0	-28.1	Peak	Horizontal
	11633.5	31.5	19.4	50.9	74.0	-23.1	Peak	Horizontal
*	7961.5	31.7	12.5	44.2	68.2	-24.0	Peak	Vertical
*	8879.5	32.3	14.0	46.3	68.2	-21.9	Peak	Vertical
	9474.5	31.5	14.4	45.9	74.0	-28.1	Peak	Vertical
	11574.0	31.1	19.5	50.6	74.0	-23.4	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	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
*	7834.0	33.2	12.4	45.6	68.2	-22.6	Peak	Horizontal
*	8582.0	32.2	13.4	45.6	68.2	-22.6	Peak	Horizontal
	9160.0	31.5	14.7	46.2	74.0	-27.8	Peak	Horizontal
	11548.5	30.8	19.4	50.2	74.0	-23.8	Peak	Horizontal
*	7876.5	31.5	12.4	43.9	68.2	-24.3	Peak	Vertical
*	8616.0	32.4	13.5	45.9	68.2	-22.3	Peak	Vertical
	9168.5	32.1	14.7	46.8	74.0	-27.2	Peak	Vertical
	11591.0	30.4	19.5	49.9	74.0	-24.1	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	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
*	7919.0	32.4	12.4	44.8	68.2	-23.4	Peak	Horizontal
*	8684.0	32.1	13.7	45.8	68.2	-22.4	Peak	Horizontal
	9134.5	30.4	14.6	45.0	74.0	-29.0	Peak	Horizontal
	10868.5	31.3	18.2	49.5	74.0	-24.5	Peak	Horizontal
*	7927.5	31.8	12.4	44.2	68.2	-24.0	Peak	Vertical
*	8607.5	32.7	13.5	46.2	68.2	-22.0	Peak	Vertical
	9160.0	31.9	14.7	46.6	74.0	-27.4	Peak	Vertical
	11608.0	31.0	19.4	50.4	74.0	-23.6	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	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
*	7893.5	31.2	12.4	43.6	68.2	-24.6	Peak	Horizontal
*	8565.0	32.3	13.3	45.6	68.2	-22.6	Peak	Horizontal
	9151.5	31.5	14.7	46.2	74.0	-27.8	Peak	Horizontal
	11582.5	31.1	19.5	50.6	74.0	-23.4	Peak	Horizontal
*	7910.5	31.6	12.4	44.0	68.2	-24.2	Peak	Vertical
*	8556.5	32.2	13.2	45.4	68.2	-22.8	Peak	Vertical
	9406.5	32.4	14.5	46.9	74.0	-27.1	Peak	Vertical
	11480.5	31.3	19.3	50.6	74.0	-23.4	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	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
*	7842.5	31.7	12.4	44.1	68.2	-24.1	Peak	Horizontal
*	8599.0	32.7	13.4	46.1	68.2	-22.1	Peak	Horizontal
	9168.5	31.9	14.7	46.6	74.0	-27.4	Peak	Horizontal
	11472.0	31.4	19.3	50.7	74.0	-23.3	Peak	Horizontal
*	7893.5	31.5	12.4	43.9	68.2	-24.3	Peak	Vertical
*	8582.0	32.7	13.4	46.1	68.2	-22.1	Peak	Vertical
	9474.5	31.0	14.4	45.4	74.0	-28.6	Peak	Vertical
	11395.5	30.7	19.1	49.8	74.0	-24.2	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7910.5	32.7	12.4	45.1	68.2	-23.1	Peak	Horizontal
*	8624.5	32.0	13.5	45.5	68.2	-22.7	Peak	Horizontal
	9381.0	31.8	14.5	46.3	74.0	-27.7	Peak	Horizontal
	11531.5	31.6	19.4	51.0	74.0	-23.0	Peak	Horizontal
*	7927.5	32.1	12.4	44.5	68.2	-23.7	Peak	Vertical
*	8650.0	32.7	13.6	46.3	68.2	-21.9	Peak	Vertical
	9338.5	32.7	14.6	47.3	74.0	-26.7	Peak	Vertical
	11395.5	31.2	19.1	50.3	74.0	-23.7	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7885.0	32.2	12.4	44.6	68.2	-23.6	Peak	Horizontal
*	8616.0	31.9	13.5	45.4	68.2	-22.8	Peak	Horizontal
	9398.0	32.6	14.5	47.1	74.0	-26.9	Peak	Horizontal
	11463.5	31.1	19.3	50.4	74.0	-23.6	Peak	Horizontal
*	7927.5	32.6	12.4	45.0	68.2	-23.2	Peak	Vertical
*	8599.0	32.6	13.4	46.0	68.2	-22.2	Peak	Vertical
	9474.5	31.7	14.4	46.1	74.0	-27.9	Peak	Vertical
	11540.0	31.7	19.4	51.1	74.0	-22.9	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	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
*	7859.5	33.2	12.4	45.6	68.2	-22.6	Peak	Horizontal
*	8633.0	33.3	13.5	46.8	68.2	-21.4	Peak	Horizontal
	9168.5	32.1	14.7	46.8	74.0	-27.2	Peak	Horizontal
	11633.5	30.8	19.4	50.2	74.0	-23.8	Peak	Horizontal
*	7902.0	32.1	12.4	44.5	68.2	-23.7	Peak	Vertical
*	8624.5	32.4	13.5	45.9	68.2	-22.3	Peak	Vertical
	9338.5	31.5	14.6	46.1	74.0	-27.9	Peak	Vertical
	11591.0	31.0	19.5	50.5	74.0	-23.5	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	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
*	7893.5	31.9	12.4	44.3	68.2	-23.9	Peak	Horizontal
*	8633.0	32.0	13.5	45.5	68.2	-22.7	Peak	Horizontal
	9143.0	32.2	14.6	46.8	74.0	-27.2	Peak	Horizontal
	11531.5	31.0	19.4	50.4	74.0	-23.6	Peak	Horizontal
*	7936.0	31.8	12.4	44.2	68.2	-24.0	Peak	Vertical
*	8633.0	32.5	13.5	46.0	68.2	-22.2	Peak	Vertical
	9177.0	31.7	14.7	46.4	74.0	-27.6	Peak	Vertical
	11616.5	31.2	19.4	50.6	74.0	-23.4	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	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
*	7902.0	31.5	12.4	43.9	68.2	-24.3	Peak	Horizontal
*	8565.0	32.3	13.3	45.6	68.2	-22.6	Peak	Horizontal
	9041.0	32.6	14.2	46.8	74.0	-27.2	Peak	Horizontal
	11523.0	31.4	19.4	50.8	74.0	-23.2	Peak	Horizontal
*	7936.0	31.7	12.4	44.1	68.2	-24.1	Peak	Vertical
*	8573.5	32.3	13.3	45.6	68.2	-22.6	Peak	Vertical
	9185.5	31.4	14.7	46.1	74.0	-27.9	Peak	Vertical
	11140.5	31.7	18.7	50.4	74.0	-23.6	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	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
*	7919.0	31.4	12.4	43.8	68.2	-24.4	Peak	Horizontal
*	8616.0	31.7	13.5	45.2	68.2	-23.0	Peak	Horizontal
	9168.5	31.6	14.7	46.3	74.0	-27.7	Peak	Horizontal
	11557.0	31.0	19.5	50.5	74.0	-23.5	Peak	Horizontal
*	7978.5	32.1	12.5	44.6	68.2	-23.6	Peak	Vertical
*	8616.0	32.7	13.5	46.2	68.2	-22.0	Peak	Vertical
	9415.0	31.5	14.5	46.0	74.0	-28.0	Peak	Vertical
	11514.5	32.0	19.4	51.4	74.0	-22.6	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7851.0	32.2	12.4	44.6	68.2	-23.6	Peak	Horizontal
*	8633.0	31.9	13.5	45.4	68.2	-22.8	Peak	Horizontal
	9109.0	31.4	14.5	45.9	74.0	-28.1	Peak	Horizontal
	11497.5	30.9	19.3	50.2	74.0	-23.8	Peak	Horizontal
*	7851.0	32.6	12.4	45.0	68.2	-23.2	Peak	Vertical
*	8633.0	33.4	13.5	46.9	68.2	-21.3	Peak	Vertical
	9389.5	32.2	14.5	46.7	74.0	-27.3	Peak	Vertical
	11421.0	31.0	19.1	50.1	74.0	-23.9	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT80+80 Contiguous - Ant 0 + 1 + 2 + 3 (CDD Mode)	Test Channel:	42+58
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7851.0	31.2	12.4	43.6	68.2	-24.6	Peak	Horizontal
*	8777.5	31.3	13.9	45.2	68.2	-23.0	Peak	Horizontal
	9381.0	30.7	14.5	45.2	74.0	-28.8	Peak	Horizontal
	11667.5	31.8	19.3	51.1	74.0	-22.9	Peak	Horizontal
*	7834.0	31.6	12.4	44.0	68.2	-24.2	Peak	Vertical
*	8709.5	30.7	13.8	44.5	68.2	-23.7	Peak	Vertical
	9423.5	30.4	14.5	44.9	74.0	-29.1	Peak	Vertical
	11548.5	31.2	19.4	50.6	74.0	-23.4	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/16
Test Mode:	802.11ac-VHT80+80 Contiguous - Ant 0 + 1 + 2 + 3 (CDD Mode)	Test Channel:	106+122
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7808.5	32.3	12.4	44.7	68.2	-23.5	Peak	Horizontal
*	8777.5	30.6	13.9	44.5	68.2	-23.7	Peak	Horizontal
	9389.5	31.6	14.5	46.1	74.0	-27.9	Peak	Horizontal
	11412.5	31.1	19.1	50.2	74.0	-23.8	Peak	Horizontal
*	7919.0	30.4	12.4	42.8	68.2	-25.4	Peak	Vertical
*	8752.0	31.7	13.9	45.6	68.2	-22.6	Peak	Vertical
	9449.0	31.4	14.4	45.8	74.0	-28.2	Peak	Vertical
	11565.5	30.6	19.5	50.1	74.0	-23.9	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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
*	7851.0	31.8	12.4	44.2	68.2	-24.0	Peak	Horizontal
*	8769.0	30.0	13.9	43.9	68.2	-24.3	Peak	Horizontal
	9355.5	30.9	14.5	45.4	74.0	-28.6	Peak	Horizontal
	10928.0	31.6	18.4	50.0	74.0	-24.0	Peak	Horizontal
*	7783.0	32.4	12.4	44.8	68.2	-23.4	Peak	Vertical
*	8794.5	31.8	14.0	45.8	68.2	-22.4	Peak	Vertical
	9381.0	30.7	14.5	45.2	74.0	-28.8	Peak	Vertical
	10868.5	31.7	18.2	49.9	74.0	-24.1	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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
*	7842.5	31.1	12.4	43.5	68.2	-24.7	Peak	Horizontal
*	8854.0	30.6	14.0	44.6	68.2	-23.6	Peak	Horizontal
	9466.0	31.1	14.4	45.5	74.0	-28.5	Peak	Horizontal
	11633.5	31.3	19.4	50.7	74.0	-23.3	Peak	Horizontal
*	7842.5	31.6	12.4	44.0	68.2	-24.2	Peak	Vertical
*	8709.5	31.4	13.8	45.2	68.2	-23.0	Peak	Vertical
	9338.5	31.3	14.6	45.9	74.0	-28.1	Peak	Vertical
	11497.5	31.2	19.4	50.6	74.0	-23.4	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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
*	7808.5	32.9	12.4	45.3	68.2	-22.9	Peak	Horizontal
*	8692.5	31.0	13.7	44.7	68.2	-23.5	Peak	Horizontal
	9432.0	32.5	14.4	46.9	74.0	-27.1	Peak	Horizontal
	10928.0	31.9	18.4	50.3	74.0	-23.7	Peak	Horizontal
*	7817.0	31.8	12.4	44.2	68.2	-24.0	Peak	Vertical
*	8811.5	30.5	14.0	44.5	68.2	-23.7	Peak	Vertical
	9381.0	31.9	14.5	46.4	74.0	-27.6	Peak	Vertical
	11514.5	31.8	19.4	51.2	74.0	-22.8	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	52
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7851.0	31.6	12.4	44.0	68.2	-24.2	Peak	Horizontal
*	8582.0	32.9	13.4	46.3	68.2	-21.9	Peak	Horizontal
	9449.0	31.7	14.4	46.1	74.0	-27.9	Peak	Horizontal
	11506.0	31.4	19.4	50.8	74.0	-23.2	Peak	Horizontal
*	7783.0	32.6	12.4	45.0	68.2	-23.2	Peak	Vertical
*	8735.0	31.6	13.9	45.5	68.2	-22.7	Peak	Vertical
	9423.5	31.1	14.5	45.6	74.0	-28.4	Peak	Vertical
	11574.0	30.7	19.5	50.2	74.0	-23.8	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	60
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7808.5	31.9	12.4	44.3	68.2	-23.9	Peak	Horizontal
*	8607.5	32.1	13.5	45.6	68.2	-22.6	Peak	Horizontal
	9381.0	30.7	14.5	45.2	74.0	-28.8	Peak	Horizontal
	11548.5	31.5	19.5	51.0	74.0	-23.0	Peak	Horizontal
*	7851.0	32.3	12.4	44.7	68.2	-23.5	Peak	Vertical
*	8854.0	31.0	14.0	45.0	68.2	-23.2	Peak	Vertical
	9449.0	31.4	14.4	45.8	74.0	-28.2	Peak	Vertical
	11506.0	31.2	19.4	50.6	74.0	-23.4	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	64
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7808.5	31.6	12.4	44.0	68.2	-24.2	Peak	Horizontal
*	8803.0	31.8	14.0	45.8	68.2	-22.4	Peak	Horizontal
	9457.5	32.1	14.4	46.5	74.0	-27.5	Peak	Horizontal
	10936.5	31.8	18.4	50.2	74.0	-23.8	Peak	Horizontal
*	7817.0	32.5	12.4	44.9	68.2	-23.3	Peak	Vertical
*	8692.5	32.0	13.7	45.7	68.2	-22.5	Peak	Vertical
	9313.0	31.7	14.7	46.4	74.0	-27.6	Peak	Vertical
	11429.5	31.1	19.2	50.3	74.0	-23.7	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	100
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7825.5	32.3	12.4	44.7	68.2	-23.5	Peak	Horizontal
*	8794.5	30.8	14.0	44.8	68.2	-23.4	Peak	Horizontal
	9330.0	32.1	14.6	46.7	74.0	-27.3	Peak	Horizontal
	11540.0	31.1	19.4	50.5	74.0	-23.5	Peak	Horizontal
*	7885.0	31.3	12.4	43.7	68.2	-24.5	Peak	Vertical
*	8650.0	33.2	13.6	46.8	68.2	-21.4	Peak	Vertical
	9423.5	31.1	14.5	45.6	74.0	-28.4	Peak	Vertical
	11591.0	31.3	19.5	50.8	74.0	-23.2	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	120
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7842.5	31.9	12.4	44.3	68.2	-23.9	Peak	Horizontal
*	8692.5	31.1	13.7	44.8	68.2	-23.4	Peak	Horizontal
	9449.0	32.2	14.4	46.6	74.0	-27.4	Peak	Horizontal
	10809.0	31.6	17.9	49.5	74.0	-24.5	Peak	Horizontal
*	7791.5	32.2	12.4	44.6	68.2	-23.6	Peak	Vertical
*	8811.5	29.9	14.0	43.9	68.2	-24.3	Peak	Vertical
	9466.0	31.1	14.4	45.5	74.0	-28.5	Peak	Vertical
	10894.0	31.7	18.3	50.0	74.0	-24.0	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	140
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7842.5	31.6	12.4	44.0	68.2	-24.2	Peak	Horizontal
*	8811.5	30.3	14.0	44.3	68.2	-23.9	Peak	Horizontal
	9483.0	31.1	14.4	45.5	74.0	-28.5	Peak	Horizontal
	10911.0	31.8	18.4	50.2	74.0	-23.8	Peak	Horizontal
*	7808.5	32.2	12.4	44.6	68.2	-23.6	Peak	Vertical
*	8701.0	32.5	13.8	46.3	68.2	-21.9	Peak	Vertical
	9466.0	30.1	14.4	44.5	74.0	-29.5	Peak	Vertical
	11463.5	32.0	19.3	51.3	74.0	-22.7	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	144
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7876.5	31.7	12.4	44.1	68.2	-24.1	Peak	Horizontal
*	8641.5	32.3	13.5	45.8	68.2	-22.4	Peak	Horizontal
	9313.0	31.3	14.7	46.0	74.0	-28.0	Peak	Horizontal
	11455.0	31.0	19.2	50.2	74.0	-23.8	Peak	Horizontal
*	7825.5	32.3	12.4	44.7	68.2	-23.5	Peak	Vertical
*	8709.5	30.3	13.8	44.1	68.2	-24.1	Peak	Vertical
	9466.0	31.7	14.4	46.1	74.0	-27.9	Peak	Vertical
	11404.0	31.8	19.1	50.9	74.0	-23.1	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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
*	7808.5	31.5	12.4	43.9	68.2	-24.3	Peak	Horizontal
*	8854.0	30.5	14.0	44.5	68.2	-23.7	Peak	Horizontal
	9423.5	30.2	14.5	44.7	74.0	-29.3	Peak	Horizontal
	11565.5	31.1	19.5	50.6	74.0	-23.4	Peak	Horizontal
*	7774.5	31.5	12.4	43.9	68.2	-24.3	Peak	Vertical
*	8624.5	32.2	13.5	45.7	68.2	-22.5	Peak	Vertical
	9432.0	30.5	14.4	44.9	74.0	-29.1	Peak	Vertical
	11404.0	31.5	19.1	50.6	74.0	-23.4	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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
*	7808.5	30.9	12.4	43.3	68.2	-24.9	Peak	Horizontal
*	8633.0	32.6	13.5	46.1	68.2	-22.1	Peak	Horizontal
	9466.0	32.2	14.4	46.6	74.0	-27.4	Peak	Horizontal
	11599.5	31.5	19.5	51.0	74.0	-23.0	Peak	Horizontal
*	7842.5	31.2	12.4	43.6	68.2	-24.6	Peak	Vertical
*	8735.0	30.1	13.9	44.0	68.2	-24.2	Peak	Vertical
	9440.5	31.0	14.4	45.4	74.0	-28.6	Peak	Vertical
	11446.5	31.0	19.2	50.2	74.0	-23.8	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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
*	7910.5	31.4	12.4	43.8	68.2	-24.4	Peak	Horizontal
*	8922.0	32.5	14.0	46.5	68.2	-21.7	Peak	Horizontal
	9389.5	30.3	14.5	44.8	74.0	-29.2	Peak	Horizontal
	11548.5	31.5	19.5	51.0	74.0	-23.0	Peak	Horizontal
*	7876.5	31.1	12.4	43.5	68.2	-24.7	Peak	Vertical
*	8735.0	30.0	13.9	43.9	68.2	-24.3	Peak	Vertical
	9440.5	29.9	14.4	44.3	74.0	-29.7	Peak	Vertical
	11157.5	31.3	18.7	50.0	74.0	-24.0	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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
*	7800.0	31.8	12.4	44.2	68.2	-24.0	Peak	Horizontal
*	8675.5	31.9	13.7	45.6	68.2	-22.6	Peak	Horizontal
	9406.5	31.4	14.5	45.9	74.0	-28.1	Peak	Horizontal
	11472.0	30.7	19.3	50.0	74.0	-24.0	Peak	Horizontal
*	7910.5	30.4	12.4	42.8	68.2	-25.4	Peak	Vertical
*	8692.5	30.4	13.7	44.1	68.2	-24.1	Peak	Vertical
	9415.0	31.2	14.5	45.7	74.0	-28.3	Peak	Vertical
	11633.5	30.7	19.4	50.1	74.0	-23.9	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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
*	7842.5	31.0	12.4	43.4	68.2	-24.8	Peak	Horizontal
*	8658.5	31.6	13.6	45.2	68.2	-23.0	Peak	Horizontal
	9432.0	31.0	14.4	45.4	74.0	-28.6	Peak	Horizontal
	11633.5	31.3	19.4	50.7	74.0	-23.3	Peak	Horizontal
*	7808.5	31.3	12.4	43.7	68.2	-24.5	Peak	Vertical
*	8735.0	30.7	13.9	44.6	68.2	-23.6	Peak	Vertical
	9338.5	30.2	14.6	44.8	74.0	-29.2	Peak	Vertical
	11599.5	31.8	19.5	51.3	74.0	-22.7	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	54
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7808.5	32.9	12.4	45.3	68.2	-22.9	Peak	Horizontal
*	8769.0	30.7	13.9	44.6	68.2	-23.6	Peak	Horizontal
	9338.5	30.8	14.6	45.4	74.0	-28.6	Peak	Horizontal
	11608.0	32.8	19.4	52.2	74.0	-21.8	Peak	Horizontal
*	7868.0	30.3	12.4	42.7	68.2	-25.5	Peak	Vertical
*	8752.0	32.1	13.9	46.0	68.2	-22.2	Peak	Vertical
	9389.5	31.9	14.5	46.4	74.0	-27.6	Peak	Vertical
	11557.0	31.1	19.5	50.6	74.0	-23.4	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	62
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7876.5	30.8	12.4	43.2	68.2	-25.0	Peak	Horizontal
*	8692.5	31.0	13.7	44.7	68.2	-23.5	Peak	Horizontal
	9466.0	30.6	14.4	45.0	74.0	-29.0	Peak	Horizontal
	11608.0	31.6	19.4	51.0	74.0	-23.0	Peak	Horizontal
*	7834.0	31.0	12.4	43.4	68.2	-24.8	Peak	Vertical
*	8811.5	30.2	14.0	44.2	68.2	-24.0	Peak	Vertical
	9338.5	31.0	14.6	45.6	74.0	-28.4	Peak	Vertical
	11650.5	31.3	19.3	50.6	74.0	-23.4	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	102
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7876.5	31.1	12.4	43.5	68.2	-24.7	Peak	Horizontal
*	8871.0	31.1	14.0	45.1	68.2	-23.1	Peak	Horizontal
	9381.0	31.5	14.5	46.0	74.0	-28.0	Peak	Horizontal
	11574.0	31.8	19.5	51.3	74.0	-22.7	Peak	Horizontal
*	7834.0	32.5	12.4	44.9	68.2	-23.3	Peak	Vertical
*	8828.5	31.9	14.0	45.9	68.2	-22.3	Peak	Vertical
	9338.5	32.2	14.6	46.8	74.0	-27.2	Peak	Vertical
	11633.5	31.8	19.4	51.2	74.0	-22.8	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	118
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7910.5	30.7	12.4	43.1	68.2	-25.1	Peak	Horizontal
*	8658.5	31.9	13.6	45.5	68.2	-22.7	Peak	Horizontal
	9330.0	31.8	14.6	46.4	74.0	-27.6	Peak	Horizontal
	11540.0	31.4	19.4	50.8	74.0	-23.2	Peak	Horizontal
*	7851.0	32.4	12.4	44.8	68.2	-23.4	Peak	Vertical
*	8760.5	28.4	13.9	42.3	68.2	-25.9	Peak	Vertical
	9381.0	30.5	14.5	45.0	74.0	-29.0	Peak	Vertical
	11540.0	31.4	19.4	50.8	74.0	-23.2	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	134
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7910.5	31.5	12.4	43.9	68.2	-24.3	Peak	Horizontal
*	8820.0	31.4	14.0	45.4	68.2	-22.8	Peak	Horizontal
	9398.0	31.2	14.5	45.7	74.0	-28.3	Peak	Horizontal
	11582.5	31.4	19.5	50.9	74.0	-23.1	Peak	Horizontal
*	7893.5	31.9	12.4	44.3	68.2	-23.9	Peak	Vertical
*	8837.0	30.9	14.0	44.9	68.2	-23.3	Peak	Vertical
	9423.5	31.1	14.5	45.6	74.0	-28.4	Peak	Vertical
	11591.0	31.4	19.5	50.9	74.0	-23.1	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	142
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7808.5	30.9	12.4	43.3	68.2	-24.9	Peak	Horizontal
*	8811.5	31.1	14.0	45.1	68.2	-23.1	Peak	Horizontal
	9423.5	29.9	14.5	44.4	74.0	-29.6	Peak	Horizontal
	11200.0	31.2	18.8	50.0	74.0	-24.0	Peak	Horizontal
*	7808.5	31.2	12.4	43.6	68.2	-24.6	Peak	Vertical
*	8828.5	30.1	14.0	44.1	68.2	-24.1	Peak	Vertical
	9474.5	30.5	14.4	44.9	74.0	-29.1	Peak	Vertical
	10868.5	32.0	18.2	50.2	74.0	-23.8	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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
*	7842.5	31.0	12.4	43.4	68.2	-24.8	Peak	Horizontal
*	8794.5	29.7	14.0	43.7	68.2	-24.5	Peak	Horizontal
	9491.5	30.7	14.4	45.1	74.0	-28.9	Peak	Horizontal
	10919.5	32.2	18.4	50.6	74.0	-23.4	Peak	Horizontal
*	7842.5	31.0	12.4	43.4	68.2	-24.8	Peak	Vertical
*	8811.5	30.2	14.0	44.2	68.2	-24.0	Peak	Vertical
	9474.5	31.4	14.4	45.8	74.0	-28.2	Peak	Vertical
	11531.5	31.1	19.4	50.5	74.0	-23.5	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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
*	7885.0	31.8	12.4	44.2	68.2	-24.0	Peak	Horizontal
*	8633.0	32.5	13.5	46.0	68.2	-22.2	Peak	Horizontal
	9338.5	29.9	14.6	44.5	74.0	-29.5	Peak	Horizontal
	11531.5	31.1	19.4	50.5	74.0	-23.5	Peak	Horizontal
*	7919.0	33.4	12.4	45.8	68.2	-22.4	Peak	Vertical
*	8769.0	29.6	13.9	43.5	68.2	-24.7	Peak	Vertical
	9347.0	30.6	14.5	45.1	74.0	-28.9	Peak	Vertical
	10511.5	32.4	17.2	49.6	74.0	-24.4	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 (MT-484052/NVH)	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:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is 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	32.2	12.4	44.6	68.2	-23.6	Peak	Horizontal
*	8862.5	31.5	14.0	45.5	68.2	-22.7	Peak	Horizontal
	9304.5	32.0	14.7	46.7	74.0	-27.3	Peak	Horizontal
	10817.5	31.7	18.0	49.7	74.0	-24.3	Peak	Horizontal
*	7885.0	32.5	12.4	44.9	68.2	-23.3	Peak	Vertical
*	8650.0	32.0	13.6	45.6	68.2	-22.6	Peak	Vertical
	9347.0	30.9	14.5	45.4	74.0	-28.6	Peak	Vertical
	11455.0	31.3	19.2	50.5	74.0	-23.5	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7834.0	32.9	12.4	45.3	68.2	-22.9	Peak	Horizontal
*	8735.0	30.7	13.9	44.6	68.2	-23.6	Peak	Horizontal
	9474.5	31.9	14.4	46.3	74.0	-27.7	Peak	Horizontal
	11472.0	31.2	19.3	50.5	74.0	-23.5	Peak	Horizontal
*	7876.5	29.9	12.4	42.3	68.2	-25.9	Peak	Vertical
*	8947.5	32.5	14.0	46.5	68.2	-21.7	Peak	Vertical
	9381.0	29.9	14.5	44.4	74.0	-29.6	Peak	Vertical
	11472.0	31.0	19.3	50.3	74.0	-23.7	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7791.5	33.1	12.4	45.5	68.2	-22.7	Peak	Horizontal
*	8692.5	31.4	13.7	45.1	68.2	-23.1	Peak	Horizontal
	9381.0	30.2	14.5	44.7	74.0	-29.3	Peak	Horizontal
	10605.0	34.1	17.3	51.4	74.0	-22.6	Peak	Horizontal
*	7851.0	32.8	12.4	45.2	68.2	-23.0	Peak	Vertical
*	8862.5	31.4	14.0	45.4	68.2	-22.8	Peak	Vertical
	9338.5	32.5	14.6	47.1	74.0	-26.9	Peak	Vertical
	10902.5	31.6	18.3	49.9	74.0	-24.1	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	52
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7817.0	31.8	12.4	44.2	68.2	-24.0	Peak	Horizontal
*	8658.5	32.7	13.6	46.3	68.2	-21.9	Peak	Horizontal
	9398.0	30.7	14.5	45.2	74.0	-28.8	Peak	Horizontal
	10919.5	31.9	18.4	50.3	74.0	-23.7	Peak	Horizontal
*	7910.5	31.7	12.4	44.1	68.2	-24.1	Peak	Vertical
*	8803.0	31.2	14.0	45.2	68.2	-23.0	Peak	Vertical
	9415.0	30.2	14.5	44.7	74.0	-29.3	Peak	Vertical
	11659.0	31.8	19.3	51.1	74.0	-22.9	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	60
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7876.5	30.3	12.4	42.7	68.2	-25.5	Peak	Horizontal
*	8709.5	29.9	13.8	43.7	68.2	-24.5	Peak	Horizontal
	9347.0	30.0	14.5	44.5	74.0	-29.5	Peak	Horizontal
	11497.5	31.9	19.4	51.3	74.0	-22.7	Peak	Horizontal
*	7910.5	30.5	12.4	42.9	68.2	-25.3	Peak	Vertical
*	8930.5	32.2	14.0	46.2	68.2	-22.0	Peak	Vertical
	9381.0	30.1	14.5	44.6	74.0	-29.4	Peak	Vertical
	11523.0	30.9	19.4	50.3	74.0	-23.7	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	64
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7808.5	31.5	12.4	43.9	68.2	-24.3	Peak	Horizontal
*	8633.0	33.3	13.5	46.8	68.2	-21.4	Peak	Horizontal
	9338.5	31.3	14.6	45.9	74.0	-28.1	Peak	Horizontal
	10945.0	31.9	18.4	50.3	74.0	-23.7	Peak	Horizontal
*	7842.5	30.8	12.4	43.2	68.2	-25.0	Peak	Vertical
*	8794.5	31.1	14.0	45.1	68.2	-23.1	Peak	Vertical
	9474.5	32.1	14.4	46.5	74.0	-27.5	Peak	Vertical
	11302.0	31.2	18.9	50.1	74.0	-23.9	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	100
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7851.0	32.2	12.4	44.6	68.2	-23.6	Peak	Horizontal
*	8650.0	32.5	13.6	46.1	68.2	-22.1	Peak	Horizontal
	9432.0	30.3	14.4	44.7	74.0	-29.3	Peak	Horizontal
	10945.0	31.8	18.4	50.2	74.0	-23.8	Peak	Horizontal
*	7842.5	31.2	12.4	43.6	68.2	-24.6	Peak	Vertical
*	8922.0	32.4	14.0	46.4	68.2	-21.8	Peak	Vertical
	9432.0	30.0	14.4	44.4	74.0	-29.6	Peak	Vertical
	10885.5	31.9	18.3	50.2	74.0	-23.8	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	120
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7842.5	31.7	12.4	44.1	68.2	-24.1	Peak	Horizontal
*	8650.0	32.6	13.6	46.2	68.2	-22.0	Peak	Horizontal
	9432.0	31.4	14.4	45.8	74.0	-28.2	Peak	Horizontal
	10826.0	31.8	18.0	49.8	74.0	-24.2	Peak	Horizontal
*	7766.0	32.9	12.4	45.3	68.2	-22.9	Peak	Vertical
*	8871.0	31.3	14.0	45.3	68.2	-22.9	Peak	Vertical
	9457.5	31.1	14.4	45.5	74.0	-28.5	Peak	Vertical
	11132.0	31.7	18.6	50.3	74.0	-23.7	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	140
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7851.0	31.5	12.4	43.9	68.2	-24.3	Peak	Horizontal
*	8752.0	32.1	13.9	46.0	68.2	-22.2	Peak	Horizontal
	9338.5	30.8	14.6	45.4	74.0	-28.6	Peak	Horizontal
	10851.5	32.4	18.1	50.5	74.0	-23.5	Peak	Horizontal
*	7910.5	31.8	12.4	44.2	68.2	-24.0	Peak	Vertical
*	8811.5	30.2	14.0	44.2	68.2	-24.0	Peak	Vertical
	9449.0	31.3	14.4	45.7	74.0	-28.3	Peak	Vertical
	11463.5	31.3	19.3	50.6	74.0	-23.4	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	144
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7791.5	32.3	12.4	44.7	68.2	-23.5	Peak	Horizontal
*	8718.0	30.2	13.8	44.0	68.2	-24.2	Peak	Horizontal
	9321.5	30.9	14.6	45.5	74.0	-28.5	Peak	Horizontal
	11565.5	31.4	19.5	50.9	74.0	-23.1	Peak	Horizontal
*	7817.0	30.9	12.4	43.3	68.2	-24.9	Peak	Vertical
*	8735.0	30.3	13.9	44.2	68.2	-24.0	Peak	Vertical
	9398.0	30.2	14.5	44.7	74.0	-29.3	Peak	Vertical
	11548.5	30.9	19.5	50.4	74.0	-23.6	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7910.5	31.5	12.4	43.9	68.2	-24.3	Peak	Horizontal
*	8658.5	30.6	13.6	44.2	68.2	-24.0	Peak	Horizontal
	9466.0	31.0	14.4	45.4	74.0	-28.6	Peak	Horizontal
	11200.0	30.8	18.8	49.6	74.0	-24.4	Peak	Horizontal
*	7783.0	32.3	12.4	44.7	68.2	-23.5	Peak	Vertical
*	8769.0	30.1	13.9	44.0	68.2	-24.2	Peak	Vertical
	9398.0	32.2	14.5	46.7	74.0	-27.3	Peak	Vertical
	11497.5	31.7	19.4	51.1	74.0	-22.9	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7800.0	32.5	12.4	44.9	68.2	-23.3	Peak	Horizontal
*	8582.0	32.4	13.4	45.8	68.2	-22.4	Peak	Horizontal
	9177.0	32.4	14.7	47.1	74.0	-26.9	Peak	Horizontal
	11608.0	31.3	19.4	50.7	74.0	-23.3	Peak	Horizontal
*	7842.5	31.1	12.4	43.5	68.2	-24.7	Peak	Vertical
*	8854.0	30.6	14.0	44.6	68.2	-23.6	Peak	Vertical
	9398.0	30.5	14.5	45.0	74.0	-29.0	Peak	Vertical
	11132.0	31.9	18.6	50.5	74.0	-23.5	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7808.5	31.3	12.4	43.7	68.2	-24.5	Peak	Horizontal
*	8811.5	29.9	14.0	43.9	68.2	-24.3	Peak	Horizontal
	9466.0	30.5	14.4	44.9	74.0	-29.1	Peak	Horizontal
	11463.5	32.4	19.3	51.7	74.0	-22.3	Peak	Horizontal
*	7774.5	31.6	12.4	44.0	68.2	-24.2	Peak	Vertical
*	8718.0	30.5	13.8	44.3	68.2	-23.9	Peak	Vertical
	9381.0	30.5	14.5	45.0	74.0	-29.0	Peak	Vertical
	11608.0	31.3	19.4	50.7	74.0	-23.3	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7919.0	31.8	12.4	44.2	68.2	-24.0	Peak	Horizontal
*	8879.5	29.9	14.0	43.9	68.2	-24.3	Peak	Horizontal
	9389.5	31.0	14.5	45.5	74.0	-28.5	Peak	Horizontal
	11523.0	31.7	19.4	51.1	74.0	-22.9	Peak	Horizontal
*	7936.0	31.8	12.5	44.3	68.2	-23.9	Peak	Vertical
*	8667.0	32.9	13.6	46.5	68.2	-21.7	Peak	Vertical
	9398.0	32.7	14.5	47.2	74.0	-26.8	Peak	Vertical
	10894.0	31.3	18.3	49.6	74.0	-24.4	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 (MT-484052/NVH)	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:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7817.0	32.3	12.4	44.7	68.2	-23.5	Peak	Horizontal
*	8888.0	31.1	14.0	45.1	68.2	-23.1	Peak	Horizontal
	9423.5	30.4	14.5	44.9	74.0	-29.1	Peak	Horizontal
	10987.5	31.6	18.5	50.1	74.0	-23.9	Peak	Horizontal
*	7817.0	31.9	12.4	44.3	68.2	-23.9	Peak	Vertical
*	8735.0	30.8	13.9	44.7	68.2	-23.5	Peak	Vertical
	9338.5	30.9	14.6	45.5	74.0	-28.5	Peak	Vertical
	10834.5	32.0	18.1	50.1	74.0	-23.9	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	54
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7868.0	30.9	12.4	43.3	68.2	-24.9	Peak	Horizontal
*	8947.5	32.5	14.0	46.5	68.2	-21.7	Peak	Horizontal
	9347.0	30.3	14.5	44.8	74.0	-29.2	Peak	Horizontal
	11752.5	32.7	18.9	51.6	74.0	-22.4	Peak	Horizontal
*	7876.5	31.2	12.4	43.6	68.2	-24.6	Peak	Vertical
*	8650.0	33.3	13.6	46.9	68.2	-21.3	Peak	Vertical
	9381.0	30.6	14.5	45.1	74.0	-28.9	Peak	Vertical
	10877.0	32.4	18.2	50.6	74.0	-23.4	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	62
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7842.5	32.0	12.4	44.4	68.2	-23.8	Peak	Horizontal
*	8922.0	32.0	14.0	46.0	68.2	-22.2	Peak	Horizontal
	9415.0	32.1	14.5	46.6	74.0	-27.4	Peak	Horizontal
	10894.0	31.5	18.3	49.8	74.0	-24.2	Peak	Horizontal
*	7910.5	32.2	12.4	44.6	68.2	-23.6	Peak	Vertical
*	8650.0	31.9	13.6	45.5	68.2	-22.7	Peak	Vertical
	9415.0	32.1	14.5	46.6	74.0	-27.4	Peak	Vertical
	11506.0	31.9	19.4	51.3	74.0	-22.7	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	102
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7851.0	31.9	12.4	44.3	68.2	-23.9	Peak	Horizontal
*	8803.0	30.9	14.0	44.9	68.2	-23.3	Peak	Horizontal
	9372.5	31.0	14.5	45.5	74.0	-28.5	Peak	Horizontal
	11633.5	32.0	19.4	51.4	74.0	-22.6	Peak	Horizontal
*	7817.0	32.4	12.4	44.8	68.2	-23.4	Peak	Vertical
*	8624.5	32.5	13.5	46.0	68.2	-22.2	Peak	Vertical
	9449.0	31.4	14.4	45.8	74.0	-28.2	Peak	Vertical
	11489.0	31.6	19.3	50.9	74.0	-23.1	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	118
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7800.0	32.8	12.4	45.2	68.2	-23.0	Peak	Horizontal
*	8811.5	30.6	14.0	44.6	68.2	-23.6	Peak	Horizontal
	9355.5	29.9	14.5	44.4	74.0	-29.6	Peak	Horizontal
	11140.5	31.2	18.7	49.9	74.0	-24.1	Peak	Horizontal
*	7800.0	33.3	12.4	45.7	68.2	-22.5	Peak	Vertical
*	8692.5	30.9	13.7	44.6	68.2	-23.6	Peak	Vertical
	9381.0	31.2	14.5	45.7	74.0	-28.3	Peak	Vertical
	10979.0	31.7	18.5	50.2	74.0	-23.8	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	134
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7842.5	32.7	12.4	45.1	68.2	-23.1	Peak	Horizontal
*	8939.0	30.3	14.0	44.3	68.2	-23.9	Peak	Horizontal
	9423.5	30.5	14.5	45.0	74.0	-29.0	Peak	Horizontal
	11217.0	31.5	18.8	50.3	74.0	-23.7	Peak	Horizontal
*	7842.5	31.1	12.4	43.5	68.2	-24.7	Peak	Vertical
*	8735.0	30.1	13.9	44.0	68.2	-24.2	Peak	Vertical
	9381.0	31.4	14.5	45.9	74.0	-28.1	Peak	Vertical
	11676.0	31.7	19.2	50.9	74.0	-23.1	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	142
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7842.5	31.2	12.4	43.6	68.2	-24.6	Peak	Horizontal
*	8735.0	29.6	13.9	43.5	68.2	-24.7	Peak	Horizontal
	9483.0	30.2	14.4	44.6	74.0	-29.4	Peak	Horizontal
	11523.0	31.2	19.4	50.6	74.0	-23.4	Peak	Horizontal
*	7817.0	32.1	12.4	44.5	68.2	-23.7	Peak	Vertical
*	8735.0	30.3	13.9	44.2	68.2	-24.0	Peak	Vertical
	9355.5	31.3	14.5	45.8	74.0	-28.2	Peak	Vertical
	11540.0	31.7	19.4	51.1	74.0	-22.9	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7842.5	31.4	12.4	43.8	68.2	-24.4	Peak	Horizontal
*	8811.5	30.1	14.0	44.1	68.2	-24.1	Peak	Horizontal
	9449.0	30.6	14.4	45.0	74.0	-29.0	Peak	Horizontal
	11463.5	31.5	19.3	50.8	74.0	-23.2	Peak	Horizontal
*	7774.5	31.4	12.4	43.8	68.2	-24.4	Peak	Vertical
*	8888.0	31.7	14.0	45.7	68.2	-22.5	Peak	Vertical
	9432.0	30.6	14.4	45.0	74.0	-29.0	Peak	Vertical
	11633.5	31.9	19.4	51.3	74.0	-22.7	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7842.5	31.4	12.4	43.8	68.2	-24.4	Peak	Horizontal
*	8811.5	30.6	14.0	44.6	68.2	-23.6	Peak	Horizontal
	9389.5	31.6	14.5	46.1	74.0	-27.9	Peak	Horizontal
	11463.5	32.1	19.3	51.4	74.0	-22.6	Peak	Horizontal
*	7817.0	31.9	12.4	44.3	68.2	-23.9	Peak	Vertical
*	8709.5	30.2	13.8	44.0	68.2	-24.2	Peak	Vertical
	9381.0	30.3	14.5	44.8	74.0	-29.2	Peak	Vertical
	11565.5	31.6	19.5	51.1	74.0	-22.9	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7842.5	31.7	12.4	44.1	68.2	-24.1	Peak	Horizontal
*	8828.5	30.0	14.0	44.0	68.2	-24.2	Peak	Horizontal
	9381.0	30.1	14.5	44.6	74.0	-29.4	Peak	Horizontal
	11497.5	31.2	19.4	50.6	74.0	-23.4	Peak	Horizontal
*	7791.5	32.0	12.4	44.4	68.2	-23.8	Peak	Vertical
*	8692.5	31.0	13.7	44.7	68.2	-23.5	Peak	Vertical
	9389.5	31.8	14.5	46.3	74.0	-27.7	Peak	Vertical
	11421.0	32.1	19.2	51.3	74.0	-22.7	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	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
*	7851.0	31.0	12.4	43.4	68.2	-24.8	Peak	Horizontal
*	8854.0	29.9	14.0	43.9	68.2	-24.3	Peak	Horizontal
	9491.5	30.4	14.4	44.8	74.0	-29.2	Peak	Horizontal
	11421.0	31.5	19.2	50.7	74.0	-23.3	Peak	Horizontal
*	7774.5	31.5	12.4	43.9	68.2	-24.3	Peak	Vertical
*	8888.0	31.0	14.0	45.0	68.2	-23.2	Peak	Vertical
	9398.0	30.5	14.5	45.0	74.0	-29.0	Peak	Vertical
	10817.5	32.2	18.0	50.2	74.0	-23.8	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	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
*	7842.5	30.9	12.4	43.3	68.2	-24.9	Peak	Horizontal
*	8811.5	30.4	14.0	44.4	68.2	-23.8	Peak	Horizontal
	9423.5	30.8	14.5	45.3	74.0	-28.7	Peak	Horizontal
	10979.0	30.0	18.5	48.5	74.0	-25.5	Peak	Horizontal
*	7842.5	31.6	12.4	44.0	68.2	-24.2	Peak	Vertical
*	8692.5	31.2	13.7	44.9	68.2	-23.3	Peak	Vertical
	9381.0	30.3	14.5	44.8	74.0	-29.2	Peak	Vertical
	10928.0	31.9	18.4	50.3	74.0	-23.7	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	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
*	7902.0	30.8	12.4	43.2	68.2	-25.0	Peak	Horizontal
*	8811.5	30.6	14.0	44.6	68.2	-23.6	Peak	Horizontal
	9406.5	30.2	14.5	44.7	74.0	-29.3	Peak	Horizontal
	11565.5	32.3	19.5	51.8	74.0	-22.2	Peak	Horizontal
*	7783.0	33.9	12.4	46.3	68.2	-21.9	Peak	Vertical
*	8828.5	30.0	14.0	44.0	68.2	-24.2	Peak	Vertical
	9423.5	30.5	14.5	45.0	74.0	-29.0	Peak	Vertical
	11429.5	31.6	19.2	50.8	74.0	-23.2	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	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
*	7876.5	31.9	12.4	44.3	68.2	-23.9	Peak	Horizontal
*	8811.5	31.1	14.0	45.1	68.2	-23.1	Peak	Horizontal
	9466.0	31.1	14.4	45.5	74.0	-28.5	Peak	Horizontal
	11608.0	31.0	19.4	50.4	74.0	-23.6	Peak	Horizontal
*	7774.5	31.2	12.4	43.6	68.2	-24.6	Peak	Vertical
*	8701.0	30.7	13.8	44.5	68.2	-23.7	Peak	Vertical
	9423.5	30.6	14.5	45.1	74.0	-28.9	Peak	Vertical
	11438.0	31.3	19.2	50.5	74.0	-23.5	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is 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	31.2	12.4	43.6	68.2	-24.6	Peak	Horizontal
*	8896.5	31.0	14.0	45.0	68.2	-23.2	Peak	Horizontal
	9338.5	30.4	14.6	45.0	74.0	-29.0	Peak	Horizontal
	11540.0	31.8	19.4	51.2	74.0	-22.8	Peak	Horizontal
*	7859.5	32.6	12.4	45.0	68.2	-23.2	Peak	Vertical
*	8735.0	29.8	13.9	43.7	68.2	-24.5	Peak	Vertical
	9347.0	30.5	14.5	45.0	74.0	-29.0	Peak	Vertical
	11514.5	31.6	19.4	51.0	74.0	-23.0	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is 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	31.2	12.4	43.6	68.2	-24.6	Peak	Horizontal
*	8573.5	32.0	13.3	45.3	68.2	-22.9	Peak	Horizontal
	9330.0	31.9	14.6	46.5	74.0	-27.5	Peak	Horizontal
	11599.5	30.5	19.4	49.9	74.0	-24.1	Peak	Horizontal
*	7825.5	33.5	12.4	45.9	68.2	-22.3	Peak	Vertical
*	8658.5	31.2	13.6	44.8	68.2	-23.4	Peak	Vertical
	9406.5	32.2	14.5	46.7	74.0	-27.3	Peak	Vertical
	11659.0	31.2	19.3	50.5	74.0	-23.5	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	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
*	7825.5	34.0	12.4	46.4	68.2	-21.8	Peak	Horizontal
*	8624.5	32.3	13.5	45.8	68.2	-22.4	Peak	Horizontal
	9117.5	32.2	14.5	46.7	74.0	-27.3	Peak	Horizontal
	11429.5	31.3	19.2	50.5	74.0	-23.5	Peak	Horizontal
*	7927.5	31.5	12.4	43.9	68.2	-24.3	Peak	Vertical
*	8633.0	32.2	13.5	45.7	68.2	-22.5	Peak	Vertical
	9151.5	32.2	14.7	46.9	74.0	-27.1	Peak	Vertical
	11412.5	31.1	19.1	50.2	74.0	-23.8	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	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
*	7876.5	31.5	12.4	43.9	68.2	-24.3	Peak	Horizontal
*	8641.5	32.5	13.5	46.0	68.2	-22.2	Peak	Horizontal
	9398.0	31.5	14.5	46.0	74.0	-28.0	Peak	Horizontal
	11463.5	32.3	19.3	51.6	74.0	-22.4	Peak	Horizontal
*	7808.5	32.8	12.4	45.2	68.2	-23.0	Peak	Vertical
*	8607.5	32.0	13.5	45.5	68.2	-22.7	Peak	Vertical
	9372.5	31.7	14.5	46.2	74.0	-27.8	Peak	Vertical
	10860.0	32.0	18.2	50.2	74.0	-23.8	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	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
*	7927.5	31.5	12.4	43.9	68.2	-24.3	Peak	Horizontal
*	8582.0	32.7	13.4	46.1	68.2	-22.1	Peak	Horizontal
	9185.5	31.2	14.7	45.9	74.0	-28.1	Peak	Horizontal
	11557.0	31.0	19.5	50.5	74.0	-23.5	Peak	Horizontal
*	7808.5	31.5	12.4	43.9	68.2	-24.3	Peak	Vertical
*	8888.0	31.5	14.0	45.5	68.2	-22.7	Peak	Vertical
	9398.0	31.6	14.5	46.1	74.0	-27.9	Peak	Vertical
	11472.0	30.8	19.3	50.1	74.0	-23.9	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	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
*	7876.5	31.8	12.4	44.2	68.2	-24.0	Peak	Horizontal
*	8590.5	32.4	13.4	45.8	68.2	-22.4	Peak	Horizontal
	9100.5	32.0	14.4	46.4	74.0	-27.6	Peak	Horizontal
	11548.5	31.0	19.4	50.4	74.0	-23.6	Peak	Horizontal
*	7859.5	33.0	12.4	45.4	68.2	-22.8	Peak	Vertical
*	8624.5	32.7	13.5	46.2	68.2	-22.0	Peak	Vertical
	9313.0	31.7	14.7	46.4	74.0	-27.6	Peak	Vertical
	11115.0	31.1	18.6	49.7	74.0	-24.3	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7978.5	32.3	12.5	44.8	68.2	-23.4	Peak	Horizontal
*	8820.0	32.2	14.0	46.2	68.2	-22.0	Peak	Horizontal
	9449.0	32.6	14.4	47.0	74.0	-27.0	Peak	Horizontal
	11506.0	31.3	19.4	50.7	74.0	-23.3	Peak	Horizontal
*	7910.5	30.9	12.4	43.3	68.2	-24.9	Peak	Vertical
*	8573.5	32.3	13.3	45.6	68.2	-22.6	Peak	Vertical
	9449.0	31.4	14.4	45.8	74.0	-28.2	Peak	Vertical
	11523.0	31.0	19.4	50.4	74.0	-23.6	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7885.0	32.2	12.4	44.6	68.2	-23.6	Peak	Horizontal
*	8514.0	32.9	12.9	45.8	68.2	-22.4	Peak	Horizontal
	9338.5	30.7	14.6	45.3	74.0	-28.7	Peak	Horizontal
	11582.5	31.4	19.5	50.9	74.0	-23.1	Peak	Horizontal
*	7910.5	31.5	12.4	43.9	68.2	-24.3	Peak	Vertical
*	8556.5	33.1	13.2	46.3	68.2	-21.9	Peak	Vertical
	9347.0	31.9	14.5	46.4	74.0	-27.6	Peak	Vertical
	11497.5	31.1	19.3	50.4	74.0	-23.6	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	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
*	7817.0	33.4	12.4	45.8	68.2	-22.4	Peak	Horizontal
*	8624.5	32.6	13.5	46.1	68.2	-22.1	Peak	Horizontal
	9338.5	31.0	14.6	45.6	74.0	-28.4	Peak	Horizontal
	11472.0	31.2	19.3	50.5	74.0	-23.5	Peak	Horizontal
*	7842.5	33.1	12.4	45.5	68.2	-22.7	Peak	Vertical
*	8633.0	32.0	13.5	45.5	68.2	-22.7	Peak	Vertical
	9194.0	31.8	14.7	46.5	74.0	-27.5	Peak	Vertical
	11472.0	31.5	19.3	50.8	74.0	-23.2	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	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
*	7868.0	32.5	12.4	44.9	68.2	-23.3	Peak	Horizontal
*	8616.0	31.9	13.5	45.4	68.2	-22.8	Peak	Horizontal
	9372.5	31.5	14.5	46.0	74.0	-28.0	Peak	Horizontal
	11395.5	31.1	19.1	50.2	74.0	-23.8	Peak	Horizontal
*	7834.0	33.0	12.4	45.4	68.2	-22.8	Peak	Vertical
*	8633.0	32.0	13.5	45.5	68.2	-22.7	Peak	Vertical
	9398.0	30.5	14.5	45.0	74.0	-29.0	Peak	Vertical
	11455.0	30.9	19.2	50.1	74.0	-23.9	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	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
*	7859.5	32.0	12.4	44.4	68.2	-23.8	Peak	Horizontal
*	8633.0	32.4	13.5	45.9	68.2	-22.3	Peak	Horizontal
	9338.5	30.8	14.6	45.4	74.0	-28.6	Peak	Horizontal
	11574.0	31.3	19.5	50.8	74.0	-23.2	Peak	Horizontal
*	7885.0	31.3	12.4	43.7	68.2	-24.5	Peak	Vertical
*	8684.0	31.5	13.7	45.2	68.2	-23.0	Peak	Vertical
	9330.0	31.5	14.6	46.1	74.0	-27.9	Peak	Vertical
	11616.5	31.7	19.4	51.1	74.0	-22.9	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	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
*	7808.5	32.2	12.4	44.6	68.2	-23.6	Peak	Horizontal
*	8505.5	32.4	12.9	45.3	68.2	-22.9	Peak	Horizontal
	9160.0	31.6	14.7	46.3	74.0	-27.7	Peak	Horizontal
	11557.0	32.3	19.5	51.8	74.0	-22.2	Peak	Horizontal
*	7893.5	31.9	12.4	44.3	68.2	-23.9	Peak	Vertical
*	8607.5	33.5	13.5	47.0	68.2	-21.2	Peak	Vertical
	9304.5	30.5	14.7	45.2	74.0	-28.8	Peak	Vertical
	11472.0	30.8	19.3	50.1	74.0	-23.9	Peak	Vertical

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

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

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

Product	ACCESS POINT - Directional Antenna (MT-484052/NVH)	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:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7944.5	32.4	12.5	44.9	68.2	-23.3	Peak	Horizontal
*	8607.5	31.8	13.5	45.3	68.2	-22.9	Peak	Horizontal
	9304.5	31.9	14.7	46.6	74.0	-27.4	Peak	Horizontal
	11497.5	31.0	19.3	50.3	74.0	-23.7	Peak	Horizontal
*	7834.0	32.3	12.4	44.7	68.2	-23.5	Peak	Vertical
*	8667.0	31.9	13.6	45.5	68.2	-22.7	Peak	Vertical
	9092.0	32.1	14.4	46.5	74.0	-27.5	Peak	Vertical
	11557.0	30.9	19.5	50.4	74.0	-23.6	Peak	Vertical

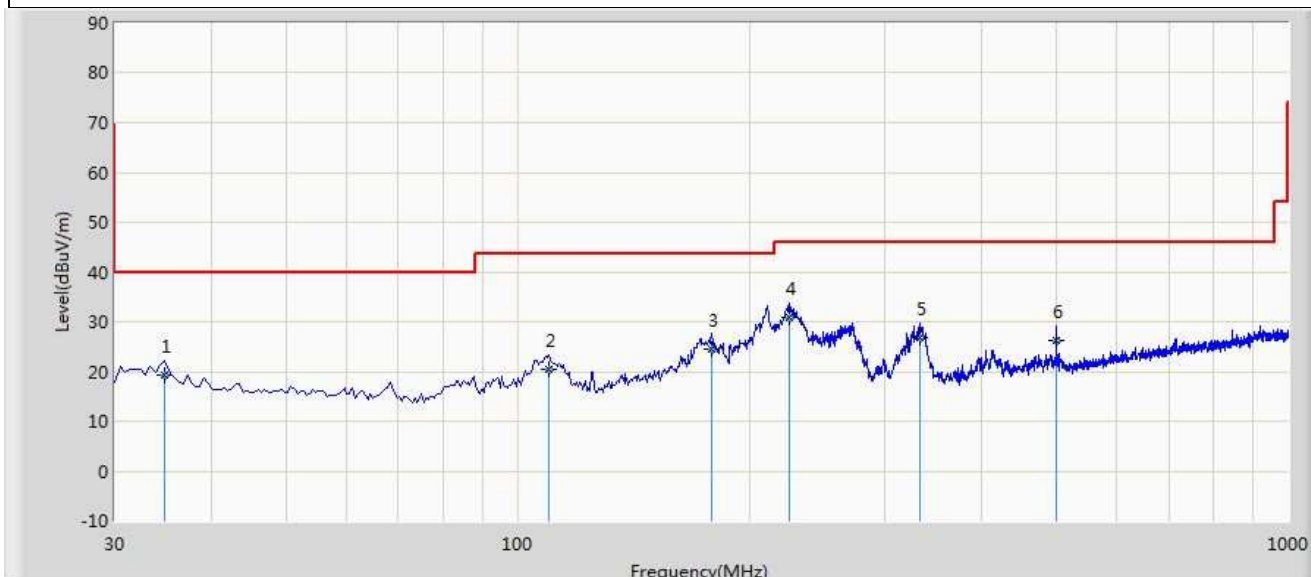
Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

The worst case of Radiated Emission below 1GHz:

Site: AC1	Time: 2017/09/07 - 20:59
Limit: NCC LP0002_1GHz-40GHz	Engineer: Kevin Ker
Probe: VULB 9168_20-2000MHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: AC 120V/60Hz
Note: There is the worst case within frequency range 30MHz~1GHz.	



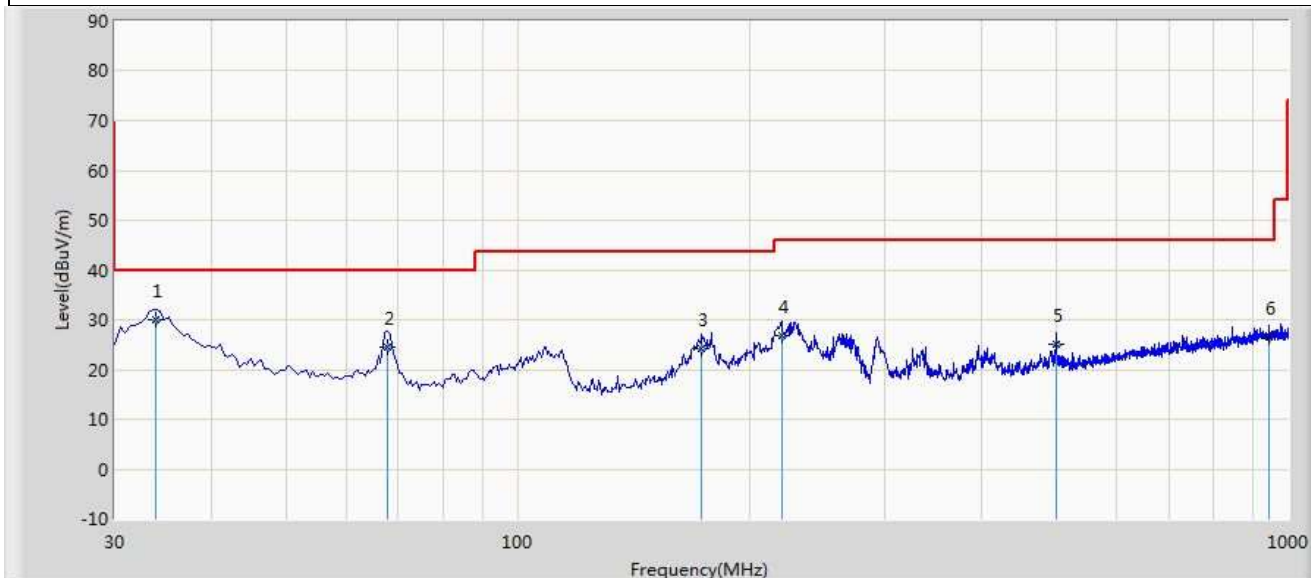
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			34.850	19.209	6.290	-20.791	40.000	12.919	QP
2			110.025	20.319	7.310	-23.181	43.500	13.008	QP
3			178.410	24.567	13.640	-18.933	43.500	10.927	QP
4		*	224.970	30.943	17.950	-15.057	46.000	12.994	QP
5			332.155	26.790	11.150	-19.210	46.000	15.640	QP
6			499.954	26.196	7.620	-19.804	46.000	18.576	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: 2017/09/07 - 21:01
Limit: NCC LP0002_1GHz-40GHz	Engineer: Kevin Ker
Probe: VULB 9168_20-2000MHz	Polarity: Vertical
EUT: ACCESS POINT	Power: AC 120V/60Hz
Note: There is the worst case within frequency range 30MHz~1GHz.	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	33.880	29.894	17.150	-10.106	40.000	12.743	QP
2			67.830	24.637	12.990	-15.363	40.000	11.648	QP
3			173.560	24.119	13.560	-19.381	43.500	10.559	QP
4			220.120	26.675	13.880	-19.325	46.000	12.796	QP
5			499.950	24.986	6.410	-21.014	46.000	18.576	QP
6			944.225	26.404	1.650	-19.596	46.000	24.754	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.

9. 發射功率控制

Product	ACCESS POINT	Temperature	24°C
Test Engineer	Kevin Ker	Relative Humidity	59%
Test Site	SR2	Test Date	2017/07/15
Antenna Type	Omin Antenna (ANT-2x2-5005)		

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 TPC Power (dBm)	Ant 1 TPC Power (dBm)	Ant 2 TPC Power (dBm)	Ant 3 TPC Power (dBm)	Total EIRP TPC Power (dBm)	Limit (dBm)	Result
Ant 0 + 1 + 2 + 3 (CDD Mode)										
11a	6Mbps	52	5260	12.80	12.90	12.67	12.65	23.78	≤ 24.00	Pass
11a	6Mbps	60	5300	13.02	12.73	12.67	12.60	23.78	≤ 24.00	Pass
11a	6Mbps	64	5320	13.03	12.61	12.93	12.53	23.80	≤ 24.00	Pass
11a	6Mbps	100	5500	12.35	12.60	12.21	12.44	23.42	≤ 24.00	Pass
11a	6Mbps	120	5600	12.50	12.10	12.39	12.40	23.37	≤ 24.00	Pass
11a	6Mbps	140	5700	12.03	12.62	12.65	12.85	23.57	≤ 24.00	Pass
11a	6Mbps	144	5720	12.06	12.53	11.92	12.72	23.34	≤ 24.00	Pass
11n-HT20	MCS0	52	5260	12.04	12.53	12.28	12.45	23.35	≤ 24.00	Pass
11n-HT20	MCS0	60	5300	12.22	12.49	12.12	12.43	23.34	≤ 24.00	Pass
11n-HT20	MCS0	64	5320	12.80	13.05	12.92	12.60	23.87	≤ 24.00	Pass
11n-HT20	MCS0	100	5500	12.86	12.86	12.64	12.68	23.78	≤ 24.00	Pass
11n-HT20	MCS0	120	5600	12.59	12.60	12.82	12.80	23.72	≤ 24.00	Pass
11n-HT20	MCS0	140	5700	12.00	12.81	13.00	13.11	23.77	≤ 24.00	Pass
11n-HT20	MCS0	144	5720	12.12	12.74	12.23	12.96	23.55	≤ 24.00	Pass
11n-HT40	MCS0	54	5270	12.72	13.22	12.38	13.00	23.86	≤ 24.00	Pass
11n-HT40	MCS0	62	5310	12.20	12.61	12.43	12.45	23.45	≤ 24.00	Pass
11n-HT40	MCS0	102	5510	12.90	13.08	12.62	12.55	23.81	≤ 24.00	Pass
11n-HT40	MCS0	118	5590	12.60	13.08	12.42	12.73	23.73	≤ 24.00	Pass
11n-HT40	MCS0	134	5670	11.90	12.72	12.62	12.80	23.54	≤ 24.00	Pass
11n-HT40	MCS0	142	5710	12.01	13.04	12.40	13.02	23.66	≤ 24.00	Pass

Test Mode	Data Rate/MCS	Channel No.	Freq. (MHz)	Ant 0 TPC Power (dBm)	Ant 1 TPC Power (dBm)	Ant 2 TPC Power (dBm)	Ant 3 TPC Power (dBm)	Total EIRP TPC Power (dBm)	Limit (dBm)	Result
Ant 0 + 1 + 2 + 3 (CDD Mode)										
11ac-VHT20	MCS0	52	5260	12.51	12.74	12.40	12.73	23.62	≤ 24.00	Pass
11ac-VHT20	MCS0	60	5300	12.30	12.84	12.56	12.83	23.66	≤ 24.00	Pass
11ac-VHT20	MCS0	64	5320	11.85	12.54	12.72	12.92	23.55	≤ 24.00	Pass
11ac-VHT20	MCS0	100	5500	12.40	13.07	12.60	12.87	23.76	≤ 24.00	Pass
11ac-VHT20	MCS0	120	5600	12.20	12.74	12.62	13.04	23.68	≤ 24.00	Pass
11ac-VHT20	MCS0	140	5700	12.12	12.72	12.06	12.85	23.47	≤ 24.00	Pass
11ac-VHT20	MCS0	144	5720	11.45	12.56	12.30	13.05	23.40	≤ 24.00	Pass
11ac-VHT40	MCS0	54	5270	12.30	12.98	12.30	12.71	23.60	≤ 24.00	Pass
11ac-VHT40	MCS0	62	5310	12.28	12.70	12.54	12.80	23.61	≤ 24.00	Pass
11ac-VHT40	MCS0	102	5510	12.10	12.74	12.30	12.66	23.48	≤ 24.00	Pass
11ac-VHT40	MCS0	118	5590	11.86	12.75	12.25	12.68	23.42	≤ 24.00	Pass
11ac-VHT40	MCS0	134	5670	12.45	13.00	12.90	13.06	23.88	≤ 24.00	Pass
11ac-VHT40	MCS0	142	5710	11.70	12.88	12.24	13.05	23.52	≤ 24.00	Pass
11ac-VHT80	MCS0	58	5290	12.86	12.51	12.76	12.72	23.73	≤ 24.00	Pass
11ac-VHT80	MCS0	106	5530	13.23	12.70	12.94	12.51	23.87	≤ 24.00	Pass
11ac-VHT80	MCS0	122	5610	12.68	12.68	13.05	12.34	23.72	≤ 24.00	Pass
11ac-VHT80	MCS0	138	5690	12.70	12.56	13.12	12.40	23.72	≤ 24.00	Pass
Non-contiguous 80+80 MHz mode fall within different UNII band										
11ac-VHT80+80	MCS0	58	5290	15.84	15.61	--	--	23.74	≤ 24.00	Pass
11ac-VHT80+80	MCS0	58	5290	--	--	15.51	15.48	23.51	≤ 24.00	Pass
11ac-VHT80+80	MCS0	106	5530	15.82	15.11	--	--	23.49	≤ 24.00	Pass
11ac-VHT80+80	MCS0	106	5530	--	--	15.89	15.40	23.66	≤ 24.00	Pass
11ac-VHT80+80	MCS0	122	5610	15.41	15.52	--	--	23.48	≤ 24.00	Pass
11ac-VHT80+80	MCS0	122	5610	--	--	15.83	15.50	23.68	≤ 24.00	Pass
11ac-VHT80+80	MCS0	138	5690	15.30	15.51	--	--	23.42	≤ 24.00	Pass
11ac-VHT80+80	MCS0	138	5690	--	--	15.78	15.44	23.62	≤ 24.00	Pass
Non-contiguous 80+80 MHz mode fall within same UNII band										
11ac-VHT80+80	MCS0	106	5530	12.98	12.85	--	--	23.76	≤ 24.00	Pass
11ac-VHT80+80	MCS0	138	5690	--	--	12.56	12.57			
11ac-VHT80+80	MCS0	106	5530	13.07	12.83	--	--	23.89	≤ 24.00	Pass
11ac-VHT80+80	MCS0	138	5690	--	--	12.89	12.68			

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 TPC Power (dBm)	Ant 1 TPC Power (dBm)	Ant 2 TPC Power (dBm)	Ant 3 TPC Power (dBm)	Total EIRP TPC Power (dBm)	Limit (dBm)	Result
Ant 0 + 1 + 2 + 3 (CDD Mode)										
11ac-VHT80+80 (Contiguous 80+80 MHz mode)										
11ac-VHT80+80	MCS0	58	5290	--	--	10.82	10.61	18.73	≤ 24.00	Pass
11ac-VHT80+80	MCS0	106	5530	12.62	12.66	--	--	23.55	≤ 24.00	Pass
	MCS0	122	5610	--	--	12.42	12.40			

Note 1: Total EIRP TPC Power (dBm) = $10 \cdot \log \{10^{(\text{Ant 0 TPC Power} / 10)} + 10^{(\text{Ant 1 TPC Power} / 10)} + 10^{(\text{Ant 2 TPC Power} / 10)} + 10^{(\text{Ant 3 TPC Power} / 10)}\} + \text{Antenna Gain (dBi)}$, Antenna Gain = 5 dBi.

Note 2: For 802.11ac-VHT80+80 mode fall within different UNII band:

Ant 0 & Ant 1: Total EIRP TPC Power (dBm) = $10 \cdot \log \{10^{(\text{Ant 0 TPC Power} / 10)} + 10^{(\text{Ant 1 TPC Power} / 10)}\} + \text{Antenna Gain (dBi)}$, Antenna Gain = 5 dBi.

Ant 2 & Ant 3: Total EIRP TPC Power (dBm) = $10 \cdot \log \{10^{(\text{Ant 2 TPC Power} / 10)} + 10^{(\text{Ant 3 TPC Power} / 10)}\} + \text{Antenna Gain (dBi)}$, Antenna Gain = 5 dBi.

For 802.11ac-VHT80+80 mode fall within same UNII band:

Total EIRP TPC Power (dBm) = $10 \cdot \log \{10^{(\text{Ant 0 TPC Power} / 10)} + 10^{(\text{Ant 1 TPC Power} / 10)} + 10^{(\text{Ant 2 TPC Power} / 10)} + 10^{(\text{Ant 3 TPC Power} / 10)}\} + \text{Antenna Gain (dBi)}$, Antenna Gain = 5 dBi.

Note 3: For 802.11ac-VHT80+80 Contiguous Mode:

5290MHz fall within UNII-2A: Total Average Power (dBm) = $10 \cdot \log \{10^{(\text{Ant 2 Average Power} / 10)} + 10^{(\text{Ant 3 Average Power} / 10)}\} + \text{Antenna Gain (dBi)}$, Antenna Gain = 5 dBi.

5530MHz & 5610MHz Fall within UNII-2C: Total Average Power (dBm) = $10 \cdot \log \{10^{(\text{Ant 0 Average Power} / 10)} + 10^{(\text{Ant 1 Average Power} / 10)} + 10^{(\text{Ant 2 Average Power} / 10)} + 10^{(\text{Ant 3 Average Power} / 10)}\} + \text{Antenna Gain (dBi)}$, Antenna Gain = 5 dBi.

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 TPC Power (dBm)	Ant 1 TPC Power (dBm)	Ant 2 TPC Power (dBm)	Ant 3 TPC Power (dBm)	Total EIRP TPC Power (dBm)	Limit (dBm)	Result
Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)										
11n-HT20	MCS0	52	5260	9.62	10.00	9.56	9.81	23.78	≤ 24.00	Pass
11n-HT20	MCS0	60	5300	9.08	9.80	9.89	9.37	23.58	≤ 24.00	Pass
11n-HT20	MCS0	64	5320	9.74	10.04	9.96	9.93	23.95	≤ 24.00	Pass
11n-HT20	MCS0	100	5500	9.61	9.70	9.36	9.42	23.56	≤ 24.00	Pass
11n-HT20	MCS0	120	5600	9.25	9.72	9.72	9.44	23.57	≤ 24.00	Pass
11n-HT20	MCS0	140	5700	8.48	9.54	9.99	9.69	23.49	≤ 24.00	Pass
11n-HT20	MCS0	144	5720	8.76	9.46	8.81	9.54	23.19	≤ 24.00	Pass
11n-HT40	MCS0	54	5270	9.13	9.82	9.98	9.29	23.60	≤ 24.00	Pass
11n-HT40	MCS0	62	5310	9.93	9.62	9.98	9.82	23.87	≤ 24.00	Pass
11n-HT40	MCS0	102	5510	9.44	9.67	9.57	9.07	23.47	≤ 24.00	Pass
11n-HT40	MCS0	118	5590	9.18	9.90	9.59	9.64	23.62	≤ 24.00	Pass
11n-HT40	MCS0	134	5670	8.84	9.37	9.24	9.57	23.29	≤ 24.00	Pass
11n-HT40	MCS0	142	5710	8.93	9.92	9.20	9.51	23.44	≤ 24.00	Pass
11ac-VHT20	MCS0	52	5260	9.38	9.85	9.47	9.46	23.57	≤ 24.00	Pass
11ac-VHT20	MCS0	60	5300	9.56	10.20	9.51	9.31	23.69	≤ 24.00	Pass
11ac-VHT20	MCS0	64	5320	10.10	10.26	9.62	9.78	23.98	≤ 24.00	Pass
11ac-VHT20	MCS0	100	5500	8.91	9.91	9.29	9.38	23.42	≤ 24.00	Pass
11ac-VHT20	MCS0	120	5600	9.64	9.62	9.29	9.53	23.55	≤ 24.00	Pass
11ac-VHT20	MCS0	140	5700	9.03	9.51	8.57	9.35	23.16	≤ 24.00	Pass
11ac-VHT20	MCS0	144	5720	8.30	9.39	9.21	9.86	23.26	≤ 24.00	Pass
11ac-VHT40	MCS0	54	5270	9.41	9.64	9.51	9.48	23.54	≤ 24.00	Pass
11ac-VHT40	MCS0	62	5310	9.12	9.80	9.83	9.39	23.58	≤ 24.00	Pass
11ac-VHT40	MCS0	102	5510	8.87	9.73	8.92	9.64	23.34	≤ 24.00	Pass
11ac-VHT40	MCS0	118	5590	9.08	10.17	9.68	9.51	23.66	≤ 24.00	Pass
11ac-VHT40	MCS0	134	5670	9.33	9.98	9.75	9.88	23.77	≤ 24.00	Pass
11ac-VHT40	MCS0	142	5710	8.38	9.82	9.12	9.66	23.31	≤ 24.00	Pass

Test Mode	Data Rate/MCS	Channel No.	Freq. (MHz)	Ant 0 TPC Power (dBm)	Ant 1 TPC Power (dBm)	Ant 2 TPC Power (dBm)	Ant 3 TPC Power (dBm)	Total EIRP TPC Power (dBm)	Limit (dBm)	Result
Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)										
11ac-VHT80	MCS0	58	5290	9.82	9.61	9.57	9.52	23.66	≤ 24.00	Pass
11ac-VHT80	MCS0	106	5530	9.79	9.36	9.41	9.21	23.48	≤ 24.00	Pass
11ac-VHT80	MCS0	122	5610	9.13	9.93	9.54	9.26	23.51	≤ 24.00	Pass
11ac-VHT80	MCS0	138	5690	9.64	9.53	10.03	9.39	23.68	≤ 24.00	Pass
Non-contiguous 80+80 MHz mode fall within different UNII band										
11ac-VHT80+80	MCS0	58	5290	15.84	15.61	--	--	23.74	≤ 24.00	Pass
11ac-VHT80+80	MCS0	58	5290	--	--	15.51	15.48	23.51	≤ 24.00	Pass
11ac-VHT80+80	MCS0	106	5530	15.82	15.11	--	--	23.49	≤ 24.00	Pass
11ac-VHT80+80	MCS0	106	5530	--	--	15.89	15.40	23.66	≤ 24.00	Pass
11ac-VHT80+80	MCS0	122	5610	15.41	15.52	--	--	23.48	≤ 24.00	Pass
11ac-VHT80+80	MCS0	122	5610	--	--	15.83	15.50	23.68	≤ 24.00	Pass
11ac-VHT80+80	MCS0	138	5690	15.30	15.51	--	--	23.42	≤ 24.00	Pass
11ac-VHT80+80	MCS0	138	5690	--	--	15.78	15.44	23.62	≤ 24.00	Pass
Non-contiguous 80+80 MHz mode fall within same UNII band										
11ac-VHT80+80	MCS0	106	5530	12.98	12.85	--	--	23.76	≤ 24.00	Pass
11ac-VHT80+80	MCS0	138	5690	--	--	12.56	12.57			
11ac-VHT80+80	MCS0	106	5530	13.07	12.83	--	--	23.89	≤ 24.00	Pass
11ac-VHT80+80	MCS0	138	5690	--	--	12.89	12.68			

Note 1: Total EIRP TPC Power (dBm) = $10 \cdot \log \{10^{(\text{Ant 0 TPC Power} / 10)} + 10^{(\text{Ant 1 TPC Power} / 10)} + 10^{(\text{Ant 2 TPC Power} / 10)} + 10^{(\text{Ant 3 TPC Power} / 10)}\} + \text{BF Directional Gain (dBi)}$, BF Directional Gain = 8.01dBi.

Note 2: For 802.11ac-VHT80+80 mode fall within different UNII band:

Ant 0 & Ant 1: Total EIRP TPC Power (dBm) = $10 \cdot \log \{10^{(\text{Ant 0 TPC Power} / 10)} + 10^{(\text{Ant 1 TPC Power} / 10)}\} \text{ (dBm)} + \text{Antenna Gain (dBi)} + \text{BF Gain (dBi)}$, Antenna Gain = 5 dBi, BF Gain = 0 dBi.

Ant 2 & Ant 3: Total EIRP TPC Power (dBm) = $10 \cdot \log \{10^{(\text{Ant 2 TPC Power} / 10)} + 10^{(\text{Ant 3 TPC Power} / 10)}\} \text{ (dBm)} + \text{Antenna Gain (dBi)} + \text{BF Gain (dBi)}$, Antenna Gain = 5 dBi, BF Gain = 0 dBi

For 802.11ac-VHT80+80 mode fall within same UNII band:

Total EIRP TPC Power (dBm) = $10 \cdot \log \{10^{(\text{Ant 0 TPC Power} / 10)} + 10^{(\text{Ant 1 TPC Power} / 10)} + 10^{(\text{Ant 2 TPC Power} / 10)} + 10^{(\text{Ant 3 TPC Power} / 10)}\} + \text{Antenna Gain (dBi)} + \text{BF Gain (dBi)}$, Antenna Gain = 5 dBi, BF Gain = 0 dBi.

Product	ACCESS POINT	Temperature	24°C
Test Engineer	Kevin Ker	Relative Humidity	59%
Test Site	SR2	Test Date	2017/07/15
Antenna Type	Directional Antenna (MT-484052/NVH)	Test Item	TPC

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 TPC Power (dBm)	Ant 1 TPC Power (dBm)	Ant 2 TPC Power (dBm)	Ant 3 TPC Power (dBm)	Total EIRP TPC Power (dBm)	Limit (dBm)	Result
Ant 0 + 1 + 2 + 3 (CDD Mode)										
11a	6Mbps	52	5260	1.50	1.46	1.47	1.01	23.39	≤ 24.00	Pass
11a	6Mbps	60	5300	1.37	1.30	1.50	1.12	23.35	≤ 24.00	Pass
11a	6Mbps	64	5320	1.53	1.34	1.41	1.35	23.43	≤ 24.00	Pass
11a	6Mbps	100	5500	1.80	1.78	1.83	1.31	23.71	≤ 24.00	Pass
11a	6Mbps	120	5600	1.48	1.62	1.70	1.65	23.63	≤ 24.00	Pass
11a	6Mbps	140	5700	1.16	1.56	1.42	1.80	23.51	≤ 24.00	Pass
11a	6Mbps	144	5720	1.12	1.56	1.75	1.70	23.56	≤ 24.00	Pass
11n-HT20	MCS0	52	5260	1.91	1.58	1.55	1.67	23.70	≤ 24.00	Pass
11n-HT20	MCS0	60	5300	1.61	1.51	1.74	1.71	23.66	≤ 24.00	Pass
11n-HT20	MCS0	64	5320	1.58	1.59	1.55	1.62	23.61	≤ 24.00	Pass
11n-HT20	MCS0	100	5500	1.70	1.70	1.76	2.02	23.82	≤ 24.00	Pass
11n-HT20	MCS0	120	5600	1.61	1.62	1.64	1.85	23.70	≤ 24.00	Pass
11n-HT20	MCS0	140	5700	1.65	1.70	1.82	1.72	23.74	≤ 24.00	Pass
11n-HT20	MCS0	144	5720	1.50	1.90	1.54	1.78	23.70	≤ 24.00	Pass
11n-HT40	MCS0	54	5270	1.25	1.60	1.95	1.74	23.66	≤ 24.00	Pass
11n-HT40	MCS0	62	5310	1.46	1.67	1.59	1.62	23.61	≤ 24.00	Pass
11n-HT40	MCS0	102	5510	2.12	1.82	1.65	1.86	23.89	≤ 24.00	Pass
11n-HT40	MCS0	118	5590	1.68	1.82	1.90	1.72	23.80	≤ 24.00	Pass
11n-HT40	MCS0	134	5670	1.64	1.80	1.74	1.85	23.78	≤ 24.00	Pass
11n-HT40	MCS0	142	5710	1.50	1.82	1.60	1.82	23.71	≤ 24.00	Pass
11ac-VHT20	MCS0	52	5260	1.22	1.60	1.50	1.74	23.54	≤ 24.00	Pass
11ac-VHT20	MCS0	60	5300	1.29	1.46	1.43	1.84	23.53	≤ 24.00	Pass
11ac-VHT20	MCS0	64	5320	1.59	1.76	1.68	1.94	23.77	≤ 24.00	Pass
11ac-VHT20	MCS0	100	5500	1.58	1.72	1.35	1.86	23.65	≤ 24.00	Pass
11ac-VHT20	MCS0	120	5600	1.05	1.53	1.42	1.91	23.51	≤ 24.00	Pass
11ac-VHT20	MCS0	140	5700	1.16	1.71	1.57	1.52	23.52	≤ 24.00	Pass
11ac-VHT20	MCS0	144	5720	1.22	1.70	1.42	1.51	23.49	≤ 24.00	Pass

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 TPC Power (dBm)	Ant 1 TPC Power (dBm)	Ant 2 TPC Power (dBm)	Ant 3 TPC Power (dBm)	Total EIRP TPC Power (dBm)	Limit (dBm)	Result
Ant 0 + 1 + 2 + 3 (CDD Mode)										
11ac-VHT40	MCS0	54	5270	1.50	1.70	1.34	1.62	23.56	≤ 24.00	Pass
11ac-VHT40	MCS0	62	5310	1.64	1.74	1.30	1.71	23.62	≤ 24.00	Pass
11ac-VHT40	MCS0	102	5510	2.01	1.80	1.64	1.48	23.76	≤ 24.00	Pass
11ac-VHT40	MCS0	118	5590	1.90	2.14	1.42	1.55	23.78	≤ 24.00	Pass
11ac-VHT40	MCS0	134	5670	1.35	1.43	1.66	1.90	23.61	≤ 24.00	Pass
11ac-VHT40	MCS0	142	5710	1.38	1.90	1.60	1.58	23.64	≤ 24.00	Pass
11ac-VHT80	MCS0	58	5290	1.90	1.64	1.46	1.90	23.75	≤ 24.00	Pass
11ac-VHT80	MCS0	106	5530	1.60	1.60	1.22	1.43	23.49	≤ 24.00	Pass
11ac-VHT80	MCS0	122	5610	1.67	2.00	1.78	1.86	23.85	≤ 24.00	Pass
11ac-VHT80	MCS0	138	5690	1.63	2.14	1.38	1.88	23.79	≤ 24.00	Pass
Non-contiguous 80+80 MHz mode fall within different UNII band										
11ac-VHT80+80	MCS0	58	5290	4.63	4.41	--	--	23.53	≤ 24.00	Pass
11ac-VHT80+80	MCS0	58	5290	--	--	4.50	4.67	23.60	≤ 24.00	Pass
11ac-VHT80+80	MCS0	106	5530	4.74	4.51	--	--	23.64	≤ 24.00	Pass
11ac-VHT80+80	MCS0	106	5530	--	--	4.50	4.93	23.73	≤ 24.00	Pass
11ac-VHT80+80	MCS0	122	5610	4.35	4.92	--	--	23.65	≤ 24.00	Pass
11ac-VHT80+80	MCS0	122	5610	--	--	4.52	5.01	23.78	≤ 24.00	Pass
11ac-VHT80+80	MCS0	138	5690	4.54	4.73	--	--	23.65	≤ 24.00	Pass
11ac-VHT80+80	MCS0	138	5690	--	--	4.84	4.83	23.85	≤ 24.00	Pass
Non-contiguous 80+80 MHz mode fall within same UNII band										
11ac-VHT80+80	MCS0	106	5530	2.03	1.95	--	--	23.87	≤ 24.00	Pass
11ac-VHT80+80	MCS0	138	5690	--	--	1.73	1.68			
11ac-VHT80+80	MCS0	106	5530	--	--	1.65	1.73	23.81	≤ 24.00	Pass
11ac-VHT80+80	MCS0	138	5690	1.98	1.79	--	--			
11ac-VHT80+80 (Contiguous 80+80 MHz mode)										
11ac-VHT80+80	MCS0	58	5290	--	--	4.26	4.36	23.32	≤ 24.00	Pass
11ac-VHT80+80	MCS0	106	5530	1.58	1.63	--	--	23.59	≤ 24.00	Pass
	MCS0	122	5610	--	--	1.34	1.71			

Note 1: Total EIRP TPC Power (dBm) = $10 \cdot \log \{10^{(\text{Ant 0 TPC Power} / 10)} + 10^{(\text{Ant 1 TPC Power} / 10)} + 10^{(\text{Ant 2 TPC Power} / 10)} + 10^{(\text{Ant 3 TPC Power} / 10)}\} + \text{Antenna Gain (dBi)}$, Antenna Gain = 16 dBi.

Note 2: For 802.11ac-VHT80+80 mode fall within different UNII band:

Ant 0 & Ant 1: Total EIRP TPC Power (dBm) = $10 \cdot \log \{10^{(\text{Ant 0 TPC Power} / 10)} + 10^{(\text{Ant 1 TPC Power} / 10)}\} + \text{Antenna Gain (dBi)}$

Gain (dBi), Antenna Gain = 16 dBi.

Ant 2 & Ant 3: Total EIRP TPC Power (dBm) = $10 \cdot \log \{10^{(\text{Ant 2 TPC Power} / 10)} + 10^{(\text{Ant 3 TPC Power} / 10)}\}$ (dBm) + Antenna Gain (dBi), Antenna Gain = 16 dBi.

For 802.11ac-VHT80+80 mode fall within same UNII band:

Total EIRP TPC Power (dBm) = $10 \cdot \log \{10^{(\text{Ant 0 TPC Power} / 10)} + 10^{(\text{Ant 1 TPC Power} / 10)} + 10^{(\text{Ant 2 TPC Power} / 10)} + 10^{(\text{Ant 3 TPC Power} / 10)}\}$ + Antenna Gain (dBi), Antenna Gain = 16 dBi.

Note 3: For 802.11ac-VHT80+80 Contiguous Mode:

5290MHz fall within UNII-2A: Total Average Power (dBm) = $10 \cdot \log \{10^{(\text{Ant 2 Average Power} / 10)} + 10^{(\text{Ant 3 Average Power} / 10)}\}$ + Antenna Gain (dBi), Antenna Gain = 16 dBi.

5530MHz & 5610MHz Fall within UNII-2C: Total Average Power (dBm) = $10 \cdot \log \{10^{(\text{Ant 0 Average Power} / 10)} + 10^{(\text{Ant 1 Average Power} / 10)} + 10^{(\text{Ant 2 Average Power} / 10)} + 10^{(\text{Ant 3 Average Power} / 10)}\}$ + Antenna Gain (dBi), Antenna Gain = 16 dBi.

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 TPC Power (dBm)	Ant 1 TPC Power (dBm)	Ant 2 TPC Power (dBm)	Ant 3 TPC Power (dBm)	Total EIRP TPC Power (dBm)	Limit (dBm)	Result
Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)										
11n-HT20	MCS0	52	5260	-1.15	-1.03	-0.93	-1.86	23.80	≤ 24.00	Pass
11n-HT20	MCS0	60	5300	-1.38	-1.32	-1.02	-1.74	23.67	≤ 24.00	Pass
11n-HT20	MCS0	64	5320	-0.91	-1.59	-0.83	-1.74	23.78	≤ 24.00	Pass
11n-HT20	MCS0	100	5500	-1.45	-1.35	-1.66	-1.35	23.58	≤ 24.00	Pass
11n-HT20	MCS0	120	5600	-1.33	-1.25	-1.52	-1.85	23.55	≤ 24.00	Pass
11n-HT20	MCS0	140	5700	-1.54	-1.53	-1.39	-1.38	23.57	≤ 24.00	Pass
11n-HT20	MCS0	144	5720	-1.77	-1.21	-1.63	-1.27	23.57	≤ 24.00	Pass
11n-HT40	MCS0	54	5270	-1.29	-0.90	-1.09	-2.08	23.71	≤ 24.00	Pass
11n-HT40	MCS0	62	5310	-1.56	-1.57	-1.24	-1.45	23.58	≤ 24.00	Pass
11n-HT40	MCS0	102	5510	-1.04	-1.51	-1.78	-1.63	23.55	≤ 24.00	Pass
11n-HT40	MCS0	118	5590	-1.34	-1.59	-1.36	-1.48	23.59	≤ 24.00	Pass
11n-HT40	MCS0	134	5670	-1.49	-1.52	-1.37	-1.33	23.60	≤ 24.00	Pass
11n-HT40	MCS0	142	5710	-1.80	-1.41	-1.76	-1.51	23.41	≤ 24.00	Pass
11ac-VHT20	MCS0	52	5260	-1.21	-1.25	-1.15	-1.96	23.65	≤ 24.00	Pass
11ac-VHT20	MCS0	60	5300	-1.32	-1.25	-1.29	-1.77	23.63	≤ 24.00	Pass
11ac-VHT20	MCS0	64	5320	-1.23	-1.48	-1.00	-1.40	23.76	≤ 24.00	Pass
11ac-VHT20	MCS0	100	5500	-1.44	-1.45	-1.90	-1.17	23.55	≤ 24.00	Pass
11ac-VHT20	MCS0	120	5600	-1.31	-1.42	-1.49	-1.91	23.50	≤ 24.00	Pass
11ac-VHT20	MCS0	140	5700	-2.24	-1.75	-1.78	-1.76	23.15	≤ 24.00	Pass
11ac-VHT20	MCS0	144	5720	-2.09	-1.33	-1.93	-1.88	23.23	≤ 24.00	Pass
11ac-VHT40	MCS0	54	5270	-1.21	-1.12	-0.96	-1.78	23.77	≤ 24.00	Pass
11ac-VHT40	MCS0	62	5310	-1.39	-1.29	-1.48	-1.77	23.55	≤ 24.00	Pass
11ac-VHT40	MCS0	102	5510	-1.05	-1.25	-1.49	-1.53	23.70	≤ 24.00	Pass
11ac-VHT40	MCS0	118	5590	-1.57	-1.27	-1.26	-1.81	23.56	≤ 24.00	Pass
11ac-VHT40	MCS0	134	5670	-2.10	-2.04	-1.79	-1.53	23.17	≤ 24.00	Pass
11ac-VHT40	MCS0	142	5710	-1.98	-1.53	-1.89	-1.43	23.33	≤ 24.00	Pass
11ac-VHT80	MCS0	58	5290	-1.15	-1.25	-1.47	-1.86	23.61	≤ 24.00	Pass
11ac-VHT80	MCS0	106	5530	-1.13	-1.33	-0.97	-1.48	23.81	≤ 24.00	Pass
11ac-VHT80	MCS0	122	5610	-1.54	-1.40	-2.00	-1.73	23.37	≤ 24.00	Pass
11ac-VHT80	MCS0	138	5690	-1.69	-1.24	-1.74	-1.57	23.48	≤ 24.00	Pass

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 TPC Power (dBm)	Ant 1 TPC Power (dBm)	Ant 2 TPC Power (dBm)	Ant 3 TPC Power (dBm)	Total EIRP TPC Power (dBm)	Limit (dBm)	Result
Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)										
Non-contiguous 80+80 MHz mode fall within different UNII band										
11ac-VHT80+80	MCS0	58	5290	4.63	4.41	--	--	23.53	≤ 24.00	Pass
11ac-VHT80+80	MCS0	58	5290	--	--	4.50	4.67	23.60	≤ 24.00	Pass
11ac-VHT80+80	MCS0	106	5530	4.74	4.51	--	--	23.64	≤ 24.00	Pass
11ac-VHT80+80	MCS0	106	5530	--	--	4.50	4.93	23.73	≤ 24.00	Pass
11ac-VHT80+80	MCS0	122	5610	4.35	4.92	--	--	23.65	≤ 24.00	Pass
11ac-VHT80+80	MCS0	122	5610	--	--	4.52	5.01	23.78	≤ 24.00	Pass
11ac-VHT80+80	MCS0	138	5690	4.54	4.73	--	--	23.65	≤ 24.00	Pass
11ac-VHT80+80	MCS0	138	5690	--	--	4.84	4.83	23.85	≤ 24.00	Pass
Non-contiguous 80+80 MHz mode fall within same UNII band										
11ac-VHT80+80	MCS0	106	5530	2.03	1.95	--	--	23.87	≤ 24.00	Pass
11ac-VHT80+80	MCS0	138	5690	--	--	1.73	1.68			
11ac-VHT80+80	MCS0	106	5530	--	--	1.65	1.73	23.81	≤ 24.00	Pass
11ac-VHT80+80	MCS0	138	5690	1.98	1.79	--	--			

Note 1: Total EIRP TPC Power (dBm) = $10 \cdot \log \{10^{(\text{Ant 0 TPC Power} / 10)} + 10^{(\text{Ant 1 TPC Power} / 10)} + 10^{(\text{Ant 2 TPC Power} / 10)} + 10^{(\text{Ant 3 TPC Power} / 10)}\} + \text{BF Directional Gain (dBi)}$, BF Directional Gain = 19.01 dBi.

Note 2: For 802.11ac-VHT80+80 mode fall within different UNII band:

Ant 0 & Ant 1: Total EIRP TPC Power (dBm) = $10 \cdot \log \{10^{(\text{Ant 0 TPC Power} / 10)} + 10^{(\text{Ant 1 TPC Power} / 10)}\} + \text{Antenna Gain (dBi)} + \text{BF Gain (dBi)}$, Antenna Gain = 16 dBi, BF Gain = 0 dBi.

Ant 2 & Ant 3: Total EIRP TPC Power (dBm) = $10 \cdot \log \{10^{(\text{Ant 2 TPC Power} / 10)} + 10^{(\text{Ant 3 TPC Power} / 10)}\} + \text{Antenna Gain (dBi)} + \text{BF Gain (dBi)}$, Antenna Gain = 16 dBi, BF Gain = 0 dBi

For 802.11ac-VHT80+80 mode fall within same UNII band:

Total EIRP TPC Power (dBm) = $10 \cdot \log \{10^{(\text{Ant 0 TPC Power} / 10)} + 10^{(\text{Ant 1 TPC Power} / 10)} + 10^{(\text{Ant 2 TPC Power} / 10)} + 10^{(\text{Ant 3 TPC Power} / 10)}\} + \text{Antenna Gain (dBi)} + \text{BF Gain (dBi)}$, Antenna Gain = 16 dBi, BF Gain = 0 dBi.

10. 頻率穩定性測試結果

Test Engineer	Kevin Ker	Temperature	-30 ~ 50°C
Test Time	2017/08/27	Relative Humidity	52%RH
Test Mode	5180MHz (Carrier Mode)		

Voltage (%)	Power (VAC)	Temp (°C)	Frequency Tolerance (ppm)			
			0 minutes	2 minutes	5 minutes	10 minutes
100%	120	- 30	-3.70	-4.37	-5.59	-6.11
		- 20	-3.76	-4.47	-5.63	-6.12
		- 10	-3.87	-4.53	-5.65	-6.21
		0	-4.15	-5.23	-5.66	-6.33
		+ 10	-4.32	-5.14	-5.94	-6.54
		+ 20 (Ref)	-5.28	-6.23	-6.76	-7.12
		+ 30	-6.48	-7.62	-7.63	-7.25
		+ 40	-6.92	-7.34	-7.77	-8.37
		+ 50	-6.95	-7.55	-7.86	-8.57
115%	138	+ 20	-5.47	-6.35	-6.90	-7.29
85%	102	+ 20	-6.63	-7.12	-7.45	-7.59

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

結束

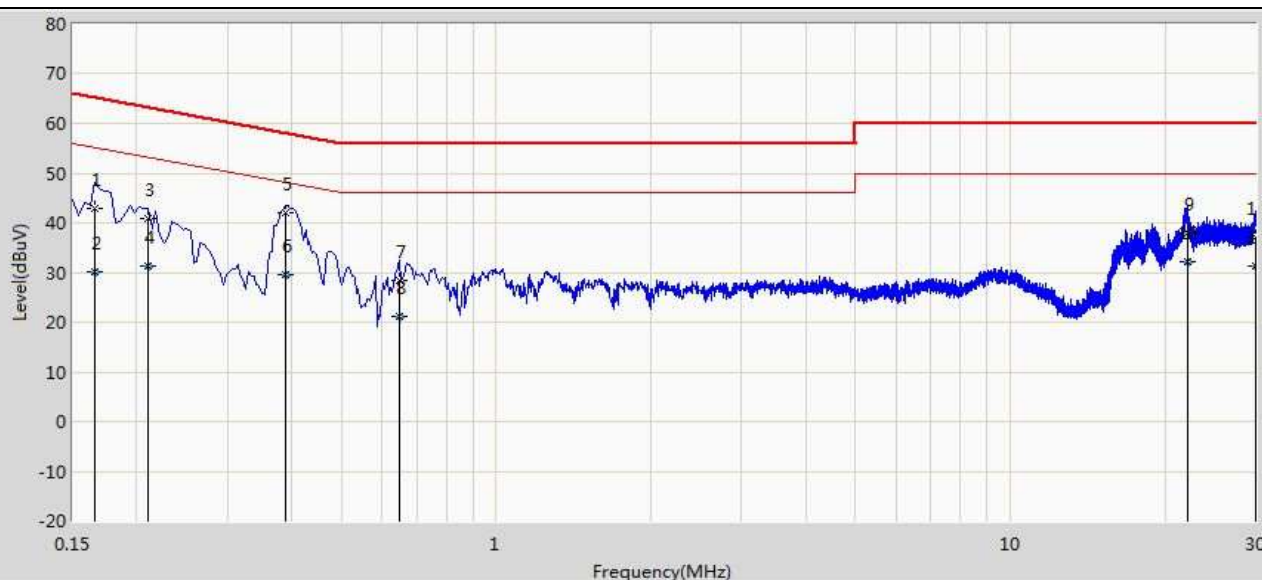
附錄 B

低功率射頻電機型式試驗測試結果

型號: APEX0375

1. 電源端點干擾測試結果

Site: SR2	Time: 2017/09/13 - 16:58
Limit: NCC LP0002_CE_0.15MHz-30MHz	Engineer: Kevin Ker
Probe: ENV216_101683_Filter On	Polarity: Line
EUT: ACCESS POINT	Power: AC 110V/60Hz
Worse Case Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz Ant 0 + 1 + 2 + 3	



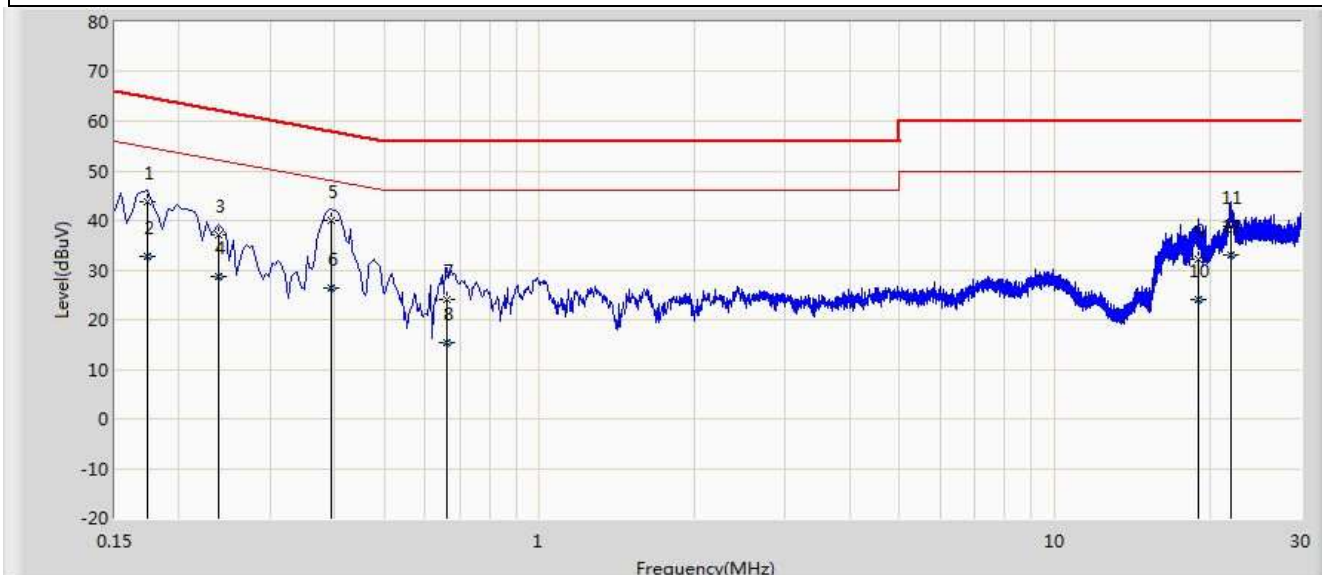
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.166	42.775	32.687	-22.383	65.158	10.087	QP
2			0.166	30.269	20.181	-24.890	55.158	10.087	AV
3			0.210	40.754	30.785	-22.451	63.205	9.969	QP
4			0.210	31.313	21.344	-21.893	53.205	9.969	AV
5		*	0.390	41.942	31.865	-16.122	58.064	10.077	QP
6			0.390	29.651	19.574	-18.412	48.064	10.077	AV
7			0.650	28.382	18.293	-27.618	56.000	10.089	QP
8			0.650	21.167	11.078	-24.833	46.000	10.089	AV

9			22.062	38.022	27.861	-21.978	60.000	10.161	QP
10			22.062	32.242	22.081	-17.758	50.000	10.161	AV
11			29.962	37.164	26.894	-22.836	60.000	10.270	QP
12			29.962	31.336	21.066	-18.664	50.000	10.270	AV

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

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

Site: SR2	Time: 2017/09/13 - 17:02
Limit: NCC LP0002_CE_0.15MHz-30MHz	Engineer: Kevin Ker
Probe: ENV216_101683_Filter On	Polarity: Neutral
EUT: ACCESS POINT	Power: AC 110V/60Hz
Worse Case Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz Ant 0 + 1 + 2 + 3	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.174	43.808	33.752	-20.959	64.767	10.057	QP
2			0.174	32.740	22.683	-22.027	54.767	10.057	AV
3			0.238	36.973	26.981	-25.192	62.166	9.992	QP
4			0.238	28.603	18.611	-23.563	52.166	9.992	AV
5			0.394	40.081	29.973	-17.898	57.979	10.108	QP
6			0.394	26.424	16.316	-21.555	47.979	10.108	AV
7			0.662	23.991	13.895	-32.009	56.000	10.096	QP
8			0.662	15.422	5.325	-30.578	46.000	10.096	AV
9			19.038	32.171	22.030	-27.829	60.000	10.142	QP
10			19.038	24.140	13.998	-25.860	50.000	10.142	AV
11			21.950	38.843	28.617	-21.157	60.000	10.226	QP
12		*	21.950	33.056	22.829	-16.944	50.000	10.226	AV

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

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

2. 天線樣式

Polarization	Model No.	Frequency Band (GHz)	Max Peak Gain (dBi)	30 Degree Antenna Gain (dBi)	BF Directional Gain (dBi)	CDD Directional Gain (dBi)	
						For Power	For PSD
Wi-Fi Internal Antenna List (2.4GHz 2*2 MIMO, 5GHz 4*4 MIMO)							
Directional (Note 3)	CH5M01B	2.4	4.0	N/A	4.00	4.0	4.00
Directional (Note 3)	CH5M01B	5	4.6	-4.0	7.61	4.6	7.61
Bluetooth Internal Antenna							
PCB	CH5M01B	2.4	4.5				

Note:

- The EUT supports Cyclic Delay Diversity (CDD) mode, and CDD signals are correlated.
For CDD transmissions, directional gain is calculated as follows, $N_{ANT} = 2$, $N_{SS} = 1$.
If all antennas have the same gain, G_{ANT} , Directional gain = $G_{ANT} + \text{Array Gain}$, where Array Gain is as follows.
 - For power spectral density (PSD) measurements on all devices,
Array Gain = $10 \log (N_{ANT} / N_{SS}) \text{ dB} = 3.01$;
 - For power measurements on IEEE 802.11 devices,
Array Gain = 0 dB for $N_{ANT} \leq 4$;
- The EUT also supports Beam Forming mode, and the Beam Forming support 802.11n/ac, not include 802.11a/b/g.
Directional gain = $G_{ANT} + \text{BF Gain}$, BF Gain was declared by the applicant.
- These antennas have Cross-Polarized design, the detail see the antenna specification.

3. 功率限制值測試結果

Power output test was verified over all data rates of each mode shown as below table, and then choose the maximum power output (gray marker) for final test of each channel.

For Ant 0 / Ant 0 + 1 + 2 + 3 port:

Test Mode	Bandwidth	Channel	Frequency (MHz)	Data Rate/ MCS	Average Power (dBm)
802.11a	20	36	5180	6Mbps	18.78
				24Mbps	18.56
				54Mbps	18.40
802.11n	20	36	5180	MCS0	18.34
				MCS3	18.15
				MCS7	17.94
802.11n	40	38	5190	MCS0	18.76
				MCS3	18.62
				MCS7	18.40
802.11ac	20	36	5180	MCS0	18.44
				MCS4	18.21
				MCS8	17.98
802.11ac	40	38	5190	MCS0	18.74
				MCS4	18.51
				MCS9	18.24
802.11ac	80	42	5210	MCS0	16.32
				MCS4	16.10
				MCS9	15.88
802.11ac	80+80 Non-contiguous	42	5210	MCS0	21.85
				MCS4	21.45
				MCS9	21.23
802.11ac	80+80 Contiguous	42	5210	MCS0	20.37
				MCS4	20.13
				MCS9	19.98

Product	ACCESS POINT	Temperature	24°C
Test Engineer	Kevin Ker	Relative Humidity	59%
Test Site	SR2	Test Date	2017/08/15
Test Item	Output Power		

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Ant 2 Average Power (dBm)	Ant 3 Average Power (dBm)	Total Average Power (dBm)	Average Power Limit (dBm)	E.I.R.P. Above 30 Degree Angle (dBm)		Result
										Max	Limit	
										E.I.R.P.		
Ant 0 + 1 + 2 + 3 (CDD Mode)												
11a	6Mbps	36	5180	18.78	18.43	18.61	18.51	24.61	≤ 30.00	20.61	≤ 21.00	Pass
11a	6Mbps	44	5220	18.36	18.33	18.42	18.63	24.46	≤ 30.00	20.46	≤ 21.00	Pass
11a	6Mbps	48	5240	18.16	18.09	18.41	18.44	24.30	≤ 30.00	20.30	≤ 21.00	Pass
11a	6Mbps	52	5260	13.35	13.76	13.91	14.22	19.84	≤ 23.78	--	--	Pass
11a	6Mbps	60	5300	13.44	13.58	13.88	14.15	19.79	≤ 23.78	--	--	Pass
11a	6Mbps	64	5320	13.58	13.68	13.89	14.21	19.87	≤ 23.78	--	--	Pass
11a	6Mbps	100	5500	12.92	12.91	12.96	12.87	18.94	≤ 23.78	--	--	Pass
11a	6Mbps	120	5600	13.36	13.31	13.64	13.71	19.53	≤ 23.78	--	--	Pass
11a	6Mbps	140	5700	13.29	13.35	13.59	13.69	19.50	≤ 23.78	--	--	Pass
11a	6Mbps	144	5720	13.33	13.42	13.71	13.75	19.58	≤ 23.78	--	--	Pass
11a	6Mbps	149	5745	22.25	22.06	21.74	22.34	28.12	≤ 30.00	--	--	Pass
11a	6Mbps	157	5785	22.36	22.16	21.87	22.25	28.18	≤ 30.00	--	--	Pass
11a	6Mbps	165	5825	22.43	22.15	21.95	22.21	28.21	≤ 30.00	--	--	Pass

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Ant 2 Average Power (dBm)	Ant 3 Average Power (dBm)	Total Average Power (dBm)	Average Power Limit (dBm)	E.I.R.P. Above 30 Degree Angle (dBm)		Result
										Max	Limit	
										E.I.R.P.		
Ant 0 + 1 + 2 + 3 (CDD Mode)												
11n-HT20	MCS0	36	5180	18.34	18.54	18.86	18.86	24.68	≤ 30.00	20.68	≤ 21.00	Pass
11n-HT20	MCS0	44	5220	18.65	18.54	18.65	18.82	24.69	≤ 30.00	20.69	≤ 21.00	Pass
11n-HT20	MCS0	48	5240	18.19	18.22	18.75	18.71	24.50	≤ 30.00	20.50	≤ 21.00	Pass
11n-HT20	MCS0	52	5260	13.44	13.52	13.78	13.79	19.66	≤ 23.98	--	--	Pass
11n-HT20	MCS0	60	5300	12.98	13.02	13.75	13.66	19.39	≤ 23.98	--	--	Pass
11n-HT20	MCS0	64	5320	13.18	13.51	14.22	14.12	19.80	≤ 23.98	--	--	Pass
11n-HT20	MCS0	100	5500	13.48	13.08	13.52	13.61	19.45	≤ 23.98	--	--	Pass
11n-HT20	MCS0	120	5600	13.31	13.52	13.88	14.12	19.74	≤ 23.98	--	--	Pass
11n-HT20	MCS0	140	5700	14.18	14.22	14.41	14.37	20.32	≤ 23.98	--	--	Pass
11n-HT20	MCS0	144	5720	14.12	14.36	14.43	14.41	20.35	≤ 23.98	--	--	Pass
11n-HT20	MCS0	149	5745	22.25	21.72	22.06	21.42	27.89	≤ 30.00	--	--	Pass
11n-HT20	MCS0	157	5785	22.32	21.82	22.15	21.69	28.02	≤ 30.00	--	--	Pass
11n-HT20	MCS0	165	5825	22.53	22.02	22.35	21.82	28.21	≤ 30.00	--	--	Pass
11n-HT40	MCS0	38	5190	18.76	18.52	18.32	18.54	24.56	≤ 30.00	20.56	≤ 21.00	Pass
11n-HT40	MCS0	46	5230	18.74	18.32	18.44	18.35	24.49	≤ 30.00	20.49	≤ 21.00	Pass
11n-HT40	MCS0	54	5270	16.45	16.28	16.59	16.88	22.58	≤ 23.98	--	--	Pass
11n-HT40	MCS0	62	5310	16.57	16.34	16.61	16.75	22.59	≤ 23.98	--	--	Pass
11n-HT40	MCS0	102	5510	15.89	15.98	16.11	16.08	22.04	≤ 23.98	--	--	Pass
11n-HT40	MCS0	118	5590	16.22	16.11	16.42	16.33	22.29	≤ 23.98	--	--	Pass
11n-HT40	MCS0	134	5670	16.67	16.58	17.16	16.92	22.86	≤ 23.98	--	--	Pass
11n-HT40	MCS0	142	5710	16.21	16.72	16.91	17.03	22.75	≤ 23.98	--	--	Pass
11n-HT40	MCS0	151	5755	22.61	22.33	22.45	22.30	28.44	≤ 30.00	--	--	Pass
11n-HT40	MCS0	159	5795	22.59	22.48	22.31	22.41	28.47	≤ 30.00	--	--	Pass

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Ant 2 Average Power (dBm)	Ant 3 Average Power (dBm)	Total Average Power (dBm)	Average Power Limit (dBm)	E.I.R.P. Above 30 Degree Angle (dBm)		Result
										Max	Limit	
										E.I.R.P.		
Ant 0 + 1 + 2 + 3 (CDD Mode)												
11ac-VHT20	MCS0	36	5180	18.44	18.58	18.83	18.88	24.71	≤ 30.00	20.71	≤ 21.00	Pass
11ac-VHT20	MCS0	44	5220	18.53	18.56	18.73	18.83	24.68	≤ 30.00	20.68	≤ 21.00	Pass
11ac-VHT20	MCS0	48	5240	18.44	18.26	18.76	18.82	24.60	≤ 30.00	20.60	≤ 21.00	Pass
11ac-VHT20	MCS0	52	5260	13.24	13.47	13.72	13.92	19.62	≤ 23.98	--	--	Pass
11ac-VHT20	MCS0	60	5300	13.22	13.43	13.59	13.68	19.50	≤ 23.98	--	--	Pass
11ac-VHT20	MCS0	64	5320	13.73	13.64	14.21	14.20	19.97	≤ 23.98	--	--	Pass
11ac-VHT20	MCS0	100	5500	13.49	13.23	13.28	13.52	19.40	≤ 23.98	--	--	Pass
11ac-VHT20	MCS0	120	5600	13.86	13.75	14.11	14.08	19.97	≤ 23.98	--	--	Pass
11ac-VHT20	MCS0	140	5700	14.35	14.22	14.53	14.53	20.43	≤ 23.98	--	--	Pass
11ac-VHT20	MCS0	144	5720	13.73	14.31	14.43	14.35	20.23	≤ 23.98	--	--	Pass
11ac-VHT20	MCS0	149	5745	22.23	21.82	21.62	22.08	27.96	≤ 30.00	--	--	Pass
11ac-VHT20	MCS0	157	5785	22.38	21.95	21.95	22.21	28.15	≤ 30.00	--	--	Pass
11ac-VHT20	MCS0	165	5825	22.45	22.25	21.78	22.18	28.19	≤ 30.00	--	--	Pass
11ac-VHT40	MCS0	38	5190	18.74	18.46	18.19	18.58	24.52	≤ 30.00	20.52	≤ 21.00	Pass
11ac-VHT40	MCS0	46	5230	18.52	18.33	18.34	18.33	24.40	≤ 30.00	20.40	≤ 21.00	Pass
11ac-VHT40	MCS0	54	5270	16.35	16.41	16.78	16.82	22.62	≤ 23.98	--	--	Pass
11ac-VHT40	MCS0	62	5310	16.41	16.33	16.65	16.87	22.59	≤ 23.98	--	--	Pass
11ac-VHT40	MCS0	102	5510	15.81	16.03	16.13	16.20	22.07	≤ 23.98	--	--	Pass
11ac-VHT40	MCS0	118	5590	16.15	16.25	16.45	16.42	22.34	≤ 23.98	--	--	Pass
11ac-VHT40	MCS0	134	5670	16.59	16.71	16.95	16.95	22.82	≤ 23.98	--	--	Pass
11ac-VHT40	MCS0	142	5710	16.26	16.58	16.86	17.02	22.71	≤ 23.98	--	--	Pass
11ac-VHT40	MCS0	151	5755	22.59	22.18	22.25	22.18	28.32	≤ 30.00	--	--	Pass
11ac-VHT40	MCS0	159	5795	22.48	22.38	22.16	22.36	28.37	≤ 30.00	--	--	Pass
11ac-VHT80	MCS0	42	5210	16.32	16.26	16.28	16.51	22.36	≤ 30.00	18.36	≤ 21.00	Pass
11ac-VHT80	MCS0	58	5290	17.32	17.54	17.70	18.04	23.68	≤ 23.98	--	--	Pass
11ac-VHT80	MCS0	106	5530	17.78	17.42	17.71	17.44	23.61	≤ 23.98	--	--	Pass
11ac-VHT80	MCS0	122	5610	17.07	17.23	17.66	17.71	23.45	≤ 23.98	--	--	Pass
11ac-VHT80	MCS0	138	5690	17.23	17.41	17.55	17.69	23.49	≤ 23.98	--	--	Pass
11ac-VHT80	MCS0	155	5775	22.19	21.89	22.25	21.67	28.03	≤ 30.00	--	--	Pass

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Average Power (dBm)	Average Power (dBm)	Average Power (dBm)	Average Power (dBm)	Average Power (dBm)	Average Power (dBm)	E.I.R.P. Above 30 Degree Angle (dBm)		Result
Non-contiguous 80+80 MHz mode fall within different UNII band												
11ac-VHT80+80	MCS0	42	5210	21.85	21.56	--	--	24.72	≤ 30.00	20.72	≤ 21.00	Pass
11ac-VHT80+80	MCS0	42	5210	--	--	21.24	21.78	24.53	≤ 30.00	20.53	≤ 21.00	Pass
11ac-VHT80+80	MCS0	58	5290	20.71	20.71	--	--	23.72	≤ 23.98	--	--	Pass
11ac-VHT80+80	MCS0	58	5290	--	--	20.18	21.10	23.67	≤ 23.98	--	--	Pass
11ac-VHT80+80	MCS0	106	5530	20.66	20.39	--	--	23.54	≤ 23.98	--	--	Pass
11ac-VHT80+80	MCS0	106	5530	--	--	20.37	20.63	23.51	≤ 23.98	--	--	Pass
11ac-VHT80+80	MCS0	122	5610	20.82	20.74	--	--	23.79	≤ 23.98	--	--	Pass
11ac-VHT80+80	MCS0	122	5610	--	--	20.31	20.69	23.51	≤ 23.98	--	--	Pass
11ac-VHT80+80	MCS0	138	5690	20.70	20.65	--	--	23.69	≤ 23.98	--	--	Pass
11ac-VHT80+80	MCS0	138	5690	--	--	20.65	21.08	23.88	≤ 23.98	--	--	Pass
11ac-VHT80+80	MCS0	155	5775	22.45	22.08	--	--	25.28	≤ 30.00	--	--	Pass
11ac-VHT80+80	MCS0	155	5775	--	--	22.23	22.29	25.27	≤ 30.00	--	--	Pass
Non-contiguous 80+80 MHz mode fall within same UNII band												
11ac-VHT80+80	MCS0	106	5530	17.97	17.27	--	--	23.57	≤ 23.98	--	--	Pass
11ac-VHT80+80	MCS0	138	5690	--	--	17.48	17.45					
11ac-VHT80+80	MCS0	106	5530	--	--	18.02	17.50	23.84	≤ 23.98	--	--	Pass
11ac-VHT80+80	MCS0	138	5690	17.93	17.80	--	--					
11ac-VHT80+80 (Contiguous 80+80 MHz mode)												
11ac-VHT80+80	MCS0	42	5210	20.37	20.12	--	--	23.26	≤ 30.00	19.26	≤ 21.00	Pass
	MCS0	58	5290	--	--	20.35	20.22	23.30	≤ 23.98	--	--	Pass
11ac-VHT80+80	MCS0	106	5530	17.89	17.12	--	--	23.40	≤ 23.98	--	--	Pass
	MCS0	122	5610	--	--	17.37	17.11					

Note 1: Total Average Power (dBm) = $10 \cdot \log \{10^{(\text{Ant 0 Average Power} / 10)} + 10^{(\text{Ant 1 Average Power} / 10)} + 10^{(\text{Ant 2 Average Power} / 10)} + 10^{(\text{Ant 3 Average Power} / 10)}\}$.

Note 2: For 802.11ac-VHT80+80 mode fall within different UNII band:

Ant 0 & Ant 1: Total Average Power (dBm) = $10 \cdot \log \{10^{(\text{Ant 0 Average Power} / 10)} + 10^{(\text{Ant 1 Average Power} / 10)}\}$ (dBm)

Ant 2 & Ant 3: Total Average Power (dBm) = $10 \cdot \log \{10^{(\text{Ant 2 Average Power} / 10)} + 10^{(\text{Ant 3 Average Power} / 10)}\}$ (dBm)

For 802.11ac-VHT80+80 mode fall within same UNII band:

Total Average Power (dBm) = $10 \cdot \log \{10^{(\text{Ant 0 Average Power} / 10)} + 10^{(\text{Ant 1 Average Power} / 10)} + 10^{(\text{Ant 2 Average Power} / 10)} + 10^{(\text{Ant 3 Average Power} / 10)}\}$.

Note 3: For 802.11ac-VHT80+80 Contiguous Mode:

5210MHz fall within UNII-1: Total Average Power (dBm) = $10 \cdot \log \{10^{(\text{Ant 0 Average Power} / 10)} + 10^{(\text{Ant 1 Average Power} / 10)}\}$.

5290MHz fall within UNII-2A: Total Average Power (dBm) = $10 \cdot \log \{10^{(\text{Ant 2 Average Power} / 10)} + 10^{(\text{Ant 3 Average Power} / 10)}\}$.

5530MHz & 5610MHz Fall within UNII-2C: Total Average Power (dBm) = $10 \cdot \log \{10^{(\text{Ant 0 Average Power} / 10)} + 10^{(\text{Ant 1 Average Power} / 10)} + 10^{(\text{Ant 2 Average Power} / 10)} + 10^{(\text{Ant 3 Average Power} / 10)}\}$.

Note 4: Max EIRP (dBm) = Total Average Power (dBm) + 30 Degree Antenna Gain (dBi),

30 Degree Antenna Gain (dBi) = -4dBi.

Note 5: Average Power Limit Calculation as below:

For 5150-5250MHz & 5725-5850: Limit = 30.00dBm.

For 5250-5350MHz & 5470-5725MHz:

802.11a: Limit = $11 + 10 \cdot \log (18.96\text{MHz}) = 23.78\text{dBm}$

802.11n/ac: Limit = 23.98dBm

EIRP Limit Calculation as below:

For 5150-5250MHz: Limit = 21.00dBm.

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Ant 2 Average Power (dBm)	Ant 3 Average Power (dBm)	Total Average Power (dBm)	Average Power Limit (dBm)	E.I.R.P. Above 30 Degree Angle (dBm)		Result
										Max	Limit	
										E.I.R.P.		
Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)												
11n-HT20	MCS0	36	5180	16.07	15.39	15.73	15.50	21.70	≤ 28.39	20.71	≤ 21.00	Pass
11n-HT20	MCS0	44	5220	15.86	15.30	15.64	15.31	21.55	≤ 28.39	20.56	≤ 21.00	Pass
11n-HT20	MCS0	48	5240	15.73	15.32	15.57	15.43	21.54	≤ 28.39	20.56	≤ 21.00	Pass
11n-HT20	MCS0	52	5260	13.44	13.52	13.78	13.79	19.66	≤ 22.37	--	--	Pass
11n-HT20	MCS0	60	5300	12.98	13.02	13.75	13.66	19.39	≤ 22.37	--	--	Pass
11n-HT20	MCS0	64	5320	13.18	13.51	14.22	14.12	19.80	≤ 22.37	--	--	Pass
11n-HT20	MCS0	100	5500	13.48	13.08	13.52	13.61	19.45	≤ 22.37	--	--	Pass
11n-HT20	MCS0	120	5600	13.31	13.52	13.88	14.12	19.74	≤ 22.37	--	--	Pass
11n-HT20	MCS0	140	5700	14.18	14.22	14.41	14.37	20.32	≤ 22.37	--	--	Pass
11n-HT20	MCS0	144	5720	14.12	14.36	14.43	14.41	20.35	≤ 22.37	--	--	Pass
11n-HT20	MCS0	149	5745	22.25	21.72	22.06	21.42	27.89	≤ 28.39	--	--	Pass
11n-HT20	MCS0	157	5785	22.32	21.82	22.15	21.69	28.02	≤ 28.39	--	--	Pass
11n-HT20	MCS0	165	5825	22.53	22.02	22.35	21.82	28.21	≤ 28.39	--	--	Pass
11n-HT40	MCS0	38	5190	16.12	15.56	15.84	15.78	21.85	≤ 28.39	20.86	≤ 21.00	Pass
11n-HT40	MCS0	46	5230	15.82	15.43	15.76	15.80	21.73	≤ 28.39	20.74	≤ 21.00	Pass
11n-HT40	MCS0	54	5270	16.01	15.96	16.08	16.33	22.12	≤ 22.37	--	--	Pass
11n-HT40	MCS0	62	5310	16.20	15.98	16.14	16.28	22.17	≤ 22.37	--	--	Pass
11n-HT40	MCS0	102	5510	15.89	15.98	16.11	16.08	22.04	≤ 22.37	--	--	Pass
11n-HT40	MCS0	118	5590	16.22	16.11	16.42	16.33	22.29	≤ 22.37	--	--	Pass
11n-HT40	MCS0	134	5670	15.94	15.92	15.97	16.02	21.98	≤ 22.37	--	--	Pass
11n-HT40	MCS0	142	5710	15.92	16.03	15.71	16.04	21.95	≤ 22.37	--	--	Pass
11n-HT40	MCS0	151	5755	21.96	21.83	21.93	21.78	27.90	≤ 28.39	--	--	Pass
11n-HT40	MCS0	159	5795	21.94	21.89	21.75	21.93	27.90	≤ 28.39	--	--	Pass

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0	Ant 1	Ant 2	Ant 3	Total	Average	E.I.R.P.		Result
				Average Power (dBm)	Average Power (dBm)	Average Power (dBm)	Average Power (dBm)	Average Power (dBm)	Average Power (dBm)	Above 30 Degree Angle (dBm)		
										Max E.I.R.P.	Limit	
Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)												
11ac-VHT20	MCS0	36	5180	16.02	15.46	15.69	15.42	21.67	≤ 28.39	20.68	≤ 21.00	Pass
11ac-VHT20	MCS0	44	5220	15.87	15.35	15.63	15.44	21.60	≤ 28.39	20.61	≤ 21.00	Pass
11ac-VHT20	MCS0	48	5240	15.63	15.34	15.54	15.50	21.52	≤ 28.39	20.53	≤ 21.00	Pass
11ac-VHT20	MCS0	52	5260	13.24	13.47	13.72	13.92	19.62	≤ 22.37	--	--	Pass
11ac-VHT20	MCS0	60	5300	13.22	13.43	13.59	13.68	19.50	≤ 22.37	--	--	Pass
11ac-VHT20	MCS0	64	5320	13.73	13.64	14.21	14.20	19.97	≤ 22.37	--	--	Pass
11ac-VHT20	MCS0	100	5500	13.49	13.23	13.28	13.52	19.40	≤ 22.37	--	--	Pass
11ac-VHT20	MCS0	120	5600	13.86	13.75	14.11	14.08	19.97	≤ 22.37	--	--	Pass
11ac-VHT20	MCS0	140	5700	14.35	14.22	14.53	14.53	20.43	≤ 22.37	--	--	Pass
11ac-VHT20	MCS0	144	5720	13.73	14.31	14.43	14.35	20.23	≤ 22.37	--	--	Pass
11ac-VHT20	MCS0	149	5745	22.23	21.82	21.62	22.08	27.96	≤ 28.39	--	--	Pass
11ac-VHT20	MCS0	157	5785	22.38	21.95	21.95	22.21	28.15	≤ 28.39	--	--	Pass
11ac-VHT20	MCS0	165	5825	22.45	22.25	21.78	22.18	28.19	≤ 28.39	--	--	Pass
11ac-VHT40	MCS0	38	5190	16.18	15.64	15.82	15.86	21.90	≤ 28.39	20.91	≤ 21.00	Pass
11ac-VHT40	MCS0	46	5230	15.81	15.49	15.78	15.85	21.76	≤ 28.39	20.77	≤ 21.00	Pass
11ac-VHT40	MCS0	54	5270	16.35	16.08	16.10	16.28	22.22	≤ 22.37	--	--	Pass
11ac-VHT40	MCS0	62	5310	16.23	16.03	15.97	16.31	22.16	≤ 22.37	--	--	Pass
11ac-VHT40	MCS0	102	5510	15.81	16.03	16.13	16.20	22.07	≤ 22.37	--	--	Pass
11ac-VHT40	MCS0	110	5550	16.19	15.94	15.98	16.08	22.07	≤ 22.37	--	--	Pass
11ac-VHT40	MCS0	118	5590	16.08	15.94	15.93	16.08	22.03	≤ 22.37	--	--	Pass
11ac-VHT40	MCS0	134	5670	15.95	16.02	15.83	16.10	22.00	≤ 22.37	--	--	Pass
11ac-VHT40	MCS0	142	5710	15.52	15.89	15.96	15.89	21.84	≤ 22.37	--	--	Pass
11ac-VHT40	MCS0	151	5755	22.59	22.18	22.25	22.18	28.32	≤ 28.39	--	--	Pass
11ac-VHT40	MCS0	159	5795	22.48	22.38	22.16	22.36	28.37	≤ 28.39	--	--	Pass
11ac-VHT80	MCS0	42	5210	15.66	15.20	15.52	15.49	21.49	≤ 28.39	20.50	≤ 21.00	Pass
11ac-VHT80	MCS0	58	5290	15.95	15.77	15.80	16.08	21.92	≤ 22.37	--	--	Pass
11ac-VHT80	MCS0	106	5530	16.63	16.26	16.08	16.13	22.30	≤ 22.37	--	--	Pass
11ac-VHT80	MCS0	122	5610	16.13	15.92	16.03	16.26	22.11	≤ 22.37	--	--	Pass
11ac-VHT80	MCS0	138	5690	16.28	16.18	16.03	16.29	22.22	≤ 22.37	--	--	Pass
11ac-VHT80	MCS0	155	5775	22.19	21.89	22.25	21.67	28.03	≤ 28.39	--	--	Pass

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Average Power (dBm)	Average Power (dBm)	Average Power (dBm)	Average Power (dBm)	Average Power (dBm)	Average Power (dBm)	E.I.R.P. Above 30 Degree Angle (dBm)		Result
				Max E.I.R.P.	Limit							
Non-contiguous 80+80 MHz mode fall within different UNII band												
11ac-VHT80+80	MCS0	42	5210	21.85	21.56	--	--	24.72	≤ 30.00	20.73	≤ 21.00	Pass
11ac-VHT80+80	MCS0	42	5210	--	--	21.24	21.78	24.53	≤ 30.00	20.54	≤ 21.00	Pass
11ac-VHT80+80	MCS0	58	5290	20.71	20.71	--	--	23.72	≤ 23.98	--	--	Pass
11ac-VHT80+80	MCS0	58	5290	--	--	20.18	21.10	23.67	≤ 23.98	--	--	Pass
11ac-VHT80+80	MCS0	106	5530	20.66	20.39	--	--	23.54	≤ 23.98	--	--	Pass
11ac-VHT80+80	MCS0	106	5530	--	--	20.37	20.63	23.51	≤ 23.98	--	--	Pass
11ac-VHT80+80	MCS0	122	5610	20.82	20.74	--	--	23.79	≤ 23.98	--	--	Pass
11ac-VHT80+80	MCS0	122	5610	--	--	20.31	20.69	23.51	≤ 23.98	--	--	Pass
11ac-VHT80+80	MCS0	138	5690	20.70	20.65	--	--	23.69	≤ 23.98	--	--	Pass
11ac-VHT80+80	MCS0	138	5690	--	--	20.65	21.08	23.88	≤ 23.98	--	--	Pass
11ac-VHT80+80	MCS0	155	5775	22.45	22.08	--	--	25.28	≤ 30.00	--	--	Pass
11ac-VHT80+80	MCS0	155	5775	--	--	22.23	22.29	25.27	≤ 30.00	--	--	Pass
Non-contiguous 80+80 MHz mode fall within same UNII band												
11ac-VHT80+80	MCS0	106	5530	17.97	17.27	--	--	23.57	≤ 23.98	--	--	Pass
11ac-VHT80+80	MCS0	138	5690	--	--	17.48	17.45					
11ac-VHT80+80	MCS0	106	5530	--	--	18.02	17.50	23.84	≤ 23.98	--	--	Pass
11ac-VHT80+80	MCS0	138	5690	17.93	17.80	--	--					

Note 1: Total Average Power (dBm) = $10 \cdot \log \{10^{(\text{Ant 0 Average Power} / 10)} + 10^{(\text{Ant 1 Average Power} / 10)} + 10^{(\text{Ant 2 Average Power} / 10)} + 10^{(\text{Ant 3 Average Power} / 10)}\}$.

Note 2: For 802.11ac-VHT80+80 mode fall within different UNII band:

Ant 0 & Ant 1: Total Average Power (dBm) = $10 \cdot \log \{10^{(\text{Ant 0 Average Power} / 10)} + 10^{(\text{Ant 1 Average Power} / 10)}\}$ (dBm)

Ant 2 & Ant 3: Total Average Power (dBm) = $10 \cdot \log \{10^{(\text{Ant 2 Average Power} / 10)} + 10^{(\text{Ant 3 Average Power} / 10)}\}$ (dBm)

For 802.11ac-VHT80+80 mode fall within same UNII band:

Total Average Power (dBm) = $10 \cdot \log \{10^{(\text{Ant 0 Average Power} / 10)} + 10^{(\text{Ant 1 Average Power} / 10)} + 10^{(\text{Ant 2 Average Power} / 10)} + 10^{(\text{Ant 3 Average Power} / 10)}\}$.

Note 3: Max EIRP (dBm) = Total Average Power (dBm) + 30 Degree Antenna Gain (dBi) + Beam-Forming Gain (dBi), 30 Degree Antenna Gain = -4dBi, Beam-Forming Gain (dBi) = 3.0 dBi.

Note 4: Average Power Limit Calculation as below:

For 5150-5250MHz & 5725-5850MHz:

Limit (dBm) = 30dBm - (4.6dBi + 3.01dBi - 6dBi) = **28.39 dBm**

For 802.11ac-VHT80+80: Limit (dBm) = 30 dBm.

For 5250-5350MHz & 5470-5725MHz:

802.11n-HT20/n-HT40/ac-VHT20/ac-VHT40/ac-VHT80:

Limit = 23.98dBm - (4.6 dBi + 3.01 dBi - 6 dBi) = 22.37 dBm.

802.11ac-VHT80+80: Limit = 23.98 dBm.

EIRP Limit Calculation as below:

For 5150-5250MHz: Limit = 21.00dBm.

4. 26dB 佔用頻寬測試結果

Product	ACCESS POINT	Temperature	24°C
Test Engineer	Kevin Ker	Relative Humidity	59%
Test Site	SR2	Test Date	2017/08/23

Test Mode	Data Rate/ MCS	Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Ant 0 / Ant 0 + 1 + 2 + 3					
802.11a	6Mbps	36	5180	19.05	16.41
802.11a	6Mbps	44	5220	19.52	16.42
802.11a	6Mbps	48	5240	18.90	16.40
802.11a	6Mbps	52	5260	19.57	16.41
802.11a	6Mbps	60	5300	19.45	16.41
802.11a	6Mbps	64	5320	19.60	16.41
802.11a	6Mbps	100	5500	19.78	16.43
802.11a	6Mbps	120	5600	19.63	16.45
802.11a	6Mbps	140	5700	19.57	16.40
802.11a	6Mbps	144	5720	18.96	16.37
802.11a	6Mbps	149	5745	18.96	16.37
802.11a	6Mbps	157	5785	19.08	16.38
802.11a	6Mbps	165	5825	19.52	16.42
802.11n-HT20	MCS0	36	5180	19.92	17.59
802.11n-HT20	MCS0	44	5220	20.17	17.60
802.11n-HT20	MCS0	48	5240	20.23	17.59
802.11n-HT20	MCS0	52	5260	20.22	17.60
802.11n-HT20	MCS0	60	5300	20.08	17.61
802.11n-HT20	MCS0	64	5320	20.38	17.62
802.11n-HT20	MCS0	100	5500	20.11	17.58
802.11n-HT20	MCS0	120	5600	20.18	17.55
802.11n-HT20	MCS0	140	5700	20.32	17.64
802.11n-HT20	MCS0	144	5720	20.28	17.64
802.11n-HT20	MCS0	149	5745	20.53	17.67
802.11n-HT20	MCS0	157	5785	20.22	17.66
802.11n-HT20	MCS0	165	5825	20.66	17.63

Test Mode	Data Rate/ MCS	Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Ant 0 / Ant 0 + 1 + 2 + 3					
802.11n-HT40	MCS0	38	5190	39.26	35.91
802.11n-HT40	MCS0	46	5230	39.10	35.88
802.11n-HT40	MCS0	54	5270	39.04	35.86
802.11n-HT40	MCS0	62	5310	38.95	35.75
802.11n-HT40	MCS0	102	5510	39.03	35.83
802.11n-HT40	MCS0	118	5590	39.16	35.94
802.11n-HT40	MCS0	134	5670	39.00	35.81
802.11n-HT40	MCS0	142	5710	39.09	35.76
802.11n-HT40	MCS0	151	5755	39.07	35.76
802.11n-HT40	MCS0	159	5795	38.82	35.83
802.11ac-VHT20	MCS0	36	5180	20.25	17.59
802.11ac-VHT20	MCS0	44	5220	20.07	17.59
802.11ac-VHT20	MCS0	48	5240	19.73	17.60
802.11ac-VHT20	MCS0	52	5260	20.22	17.60
802.11ac-VHT20	MCS0	60	5300	20.11	17.60
802.11ac-VHT20	MCS0	64	5320	20.20	17.61
802.11ac-VHT20	MCS0	100	5500	19.77	17.58
802.11ac-VHT20	MCS0	120	5600	19.91	17.59
802.11ac-VHT20	MCS0	140	5700	20.58	17.65
802.11ac-VHT20	MCS0	144	5720	20.25	17.66
802.11ac-VHT20	MCS0	149	5745	20.23	17.66
802.11ac-VHT20	MCS0	157	5785	20.38	17.67
802.11ac-VHT20	MCS0	165	5825	20.49	17.65
802.11ac-VHT40	MCS0	38	5190	39.40	35.83
802.11ac-VHT40	MCS0	46	5230	39.21	35.85
802.11ac-VHT40	MCS0	54	5270	39.22	35.86
802.11ac-VHT40	MCS0	62	5310	39.13	35.80
802.11ac-VHT40	MCS0	102	5510	39.06	35.87
802.11ac-VHT40	MCS0	118	5590	38.84	35.98
802.11ac-VHT40	MCS0	134	5670	38.84	35.87
802.11ac-VHT40	MCS0	142	5710	38.92	35.74
802.11ac-VHT40	MCS0	151	5755	39.22	35.83
802.11ac-VHT40	MCS0	159	5795	39.21	35.81

Test Mode	Data Rate/ MCS	Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Ant 0 / Ant 0 + 1 + 2 + 3					
802.11ac-VHT80	MCS0	42	5210	82.33	75.75
802.11ac-VHT80	MCS0	58	5290	81.81	75.67
802.11ac-VHT80	MCS0	106	5530	82.39	75.84
802.11ac-VHT80	MCS0	122	5610	82.25	75.83
802.11ac-VHT80	MCS0	138	5690	81.93	75.65
802.11ac-VHT80	MCS0	155	5775	81.62	75.64
Ant 0 / Ant 0 + 1 (Ant 0 + 1 + 2 + 3)					
802.11ac-VHT80+80	MCS0	42	5210	83.79	75.77
802.11ac-VHT80+80	MCS0	58	5290	83.93	75.80
802.11ac-VHT80+80	MCS0	106	5530	83.80	75.73
802.11ac-VHT80+80	MCS0	122	5610	83.76	75.84
802.11ac-VHT80+80	MCS0	138	5690	84.06	75.74
802.11ac-VHT80+80	MCS0	155	5775	84.17	75.81
Ant 3 / Ant 2 + 3 (Ant 0 + 1 + 2 + 3)					
802.11ac-VHT80+80	MCS0	42	5210	84.12	76.01
802.11ac-VHT80+80	MCS0	58	5290	83.90	75.90
802.11ac-VHT80+80	MCS0	106	5530	83.95	75.93
802.11ac-VHT80+80	MCS0	122	5610	84.15	76.13
802.11ac-VHT80+80	MCS0	138	5690	84.55	76.04
802.11ac-VHT80+80	MCS0	155	5775	84.68	75.86
Ant 0 + 1 + 2 + 3					
802.11ac-VHT80+80 Contiguous	MCS0	42	5210	163.10	155.65
	MCS0	58	5290		
802.11ac-VHT80+80 Contiguous	MCS0	106	5530	163.31	155.78
	MCS0	122	5610		
Note: The detail calculation see page 34.					

802.11a 26dB Bandwidth & 99% Bandwidth - Ant 0 / Ant 0 + 1 + 2 + 3

Channel 36 (5180MHz)



Channel 44 (5220MHz)



Channel 48 (5240MHz)



Channel 52 (5260MHz)



Channel 60 (5300MHz)



Channel 64 (5320MHz)



802.11a 26dB Bandwidth & 99% Bandwidth - Ant 0 / Ant 0 + 1 + 2 + 3

Channel 100 (5500MHz)



Channel 100 (5600MHz)



Channel 140 (5700MHz)



Channel 144 (5720MHz)



Channel 149 (5745MHz)



Channel 157 (5785MHz)



802.11a 26dB Bandwidth & 99% Bandwidth - Ant 0 / Ant 0 + 1 + 2 + 3

Channel 165 (5825MHz)



802.11n-HT20 26dB Bandwidth & 99% Bandwidth - Ant 0 / Ant 0 + 1 + 2 + 3

Channel 36 (5180MHz)



Channel 44 (5220MHz)



Channel 48 (5240MHz)



Channel 52 (5260MHz)



Channel 60 (5300MHz)



Channel 64 (5320MHz)



802.11n-HT20 26dB Bandwidth & 99% Bandwidth - Ant 0 / Ant 0 + 1 + 2 + 3

Channel 100 (5500MHz)



Channel 120 (5600MHz)



Channel 140 (5700MHz)



Channel 144 (5720MHz)



Channel 149 (5745MHz)



Channel 157 (5785MHz)



802.11n-HT20 26dB Bandwidth & 99% Bandwidth - Ant 0 / Ant 0 + 1 + 2 + 3

Channel 165 (5825MHz)



802.11n-HT40 26dB Bandwidth & 99% Bandwidth - Ant 0 / Ant 0 + 1 + 2 + 3

Channel 38 (5190MHz)



Channel 46 (5230MHz)



Channel 54 (5270MHz)



Channel 62 (5310MHz)



Channel 102 (5510MHz)



Channel 118 (5590MHz)



802.11n-HT40 26dB Bandwidth & 99% Bandwidth - Ant 0 / Ant 0 + 1 + 2 + 3

Channel 134 (5670MHz)



Channel 142 (5710MHz)



Channel 151 (5755MHz)



Channel 159 (5795MHz)



802.11ac-VHT20 26dB Bandwidth & 99% Bandwidth - Ant 0 / Ant 0 + 1 + 2 + 3

Channel 36 (5180MHz)



Channel 44 (5220MHz)



Channel 48 (5240MHz)



Channel 52 (5260MHz)



Channel 60 (5300MHz)



Channel 64 (5320MHz)



802.11ac-VHT20 26dB Bandwidth & 99% Bandwidth - Ant 0 / Ant 0 + 1 + 2 + 3

Channel 100 (5500MHz)



Channel 120 (5600MHz)



Channel 140 (5700MHz)



Channel 144 (5720MHz)



Channel 149 (5745MHz)



Channel 157 (5785MHz)



802.11ac-VHT20 26dB Bandwidth & 99% Bandwidth - Ant 0 / Ant 0 + 1 + 2 + 3

Channel 165 (5825MHz)



802.11ac-VHT40 26dB Bandwidth & 99% Bandwidth - Ant 0 / Ant 0 + 1 + 2 + 3

Channel 38 (5190MHz)



Channel 46 (5230MHz)



Channel 54 (5270MHz)



Channel 62 (5310MHz)



Channel 102 (5510MHz)



Channel 118 (5590MHz)



802.11ac-VHT40 26dB Bandwidth & 99% Bandwidth - Ant 0 / Ant 0 + 1 + 2 + 3

Channel 134 (5670MHz)



Channel 142 (5710MHz)



Channel 151 (5755MHz)



Channel 159 (5795MHz)



802.11ac-VHT80 26dB Bandwidth & 99% Bandwidth - Ant 0 / Ant 0 + 1 + 2 + 3

Channel 42 (5210MHz)



Channel 58 (5290MHz)



Channel 106 (5530MHz)



Channel 122 (5610MHz)



Channel 138 (5690MHz)

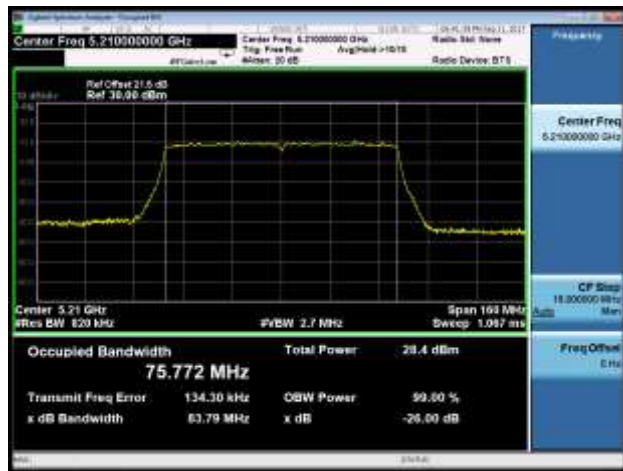


Channel 155 (5775MHz)



802.11ac-VHT80+80 26dB Bandwidth & 99% Bandwidth - Ant 0 / Ant 0 + 1 (Ant 0 + 1 + 2 + 3)

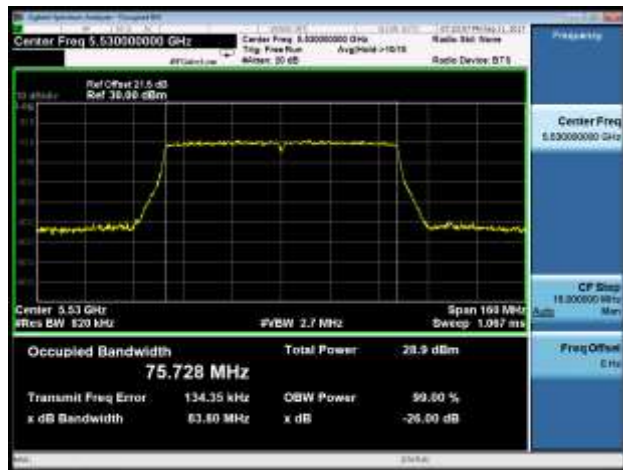
Channel 42 (5210MHz)



Channel 58 (5290MHz)



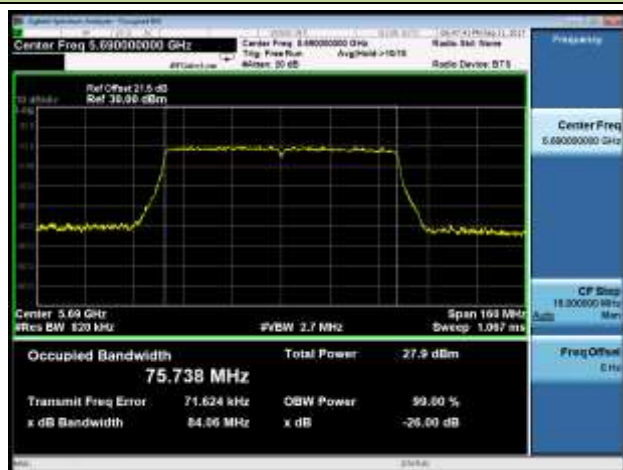
Channel 106 (5530MHz)



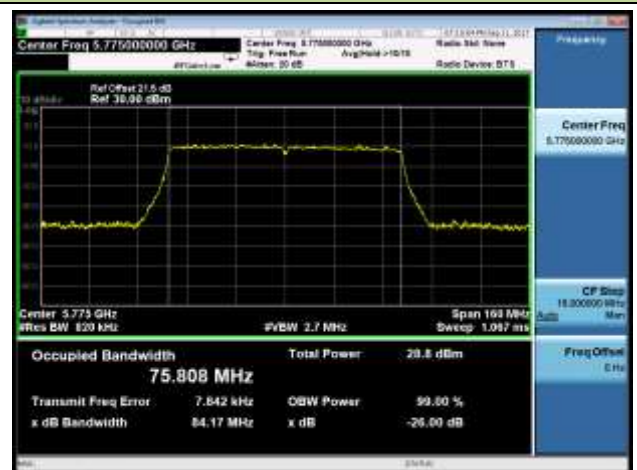
Channel 122 (5610MHz)



Channel 138 (5690MHz)

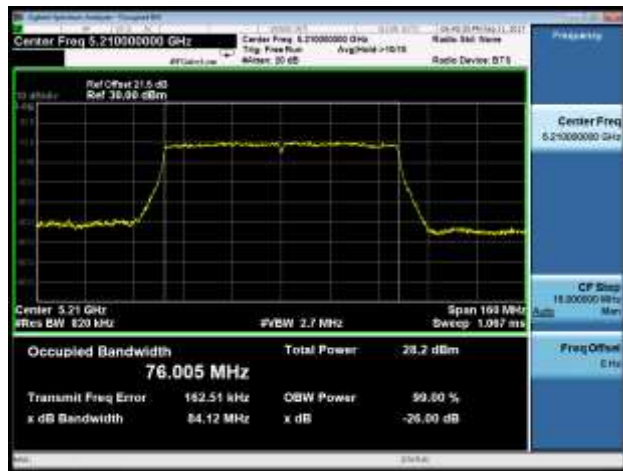


Channel 155 (5775MHz)



802.11ac-VHT80+80 26dB Bandwidth & 99% Bandwidth - Ant 3 / Ant 2 + 3 (Ant 0 + 1 + 2 + 3)

Channel 42 (5210MHz)



Channel 58 (5290MHz)



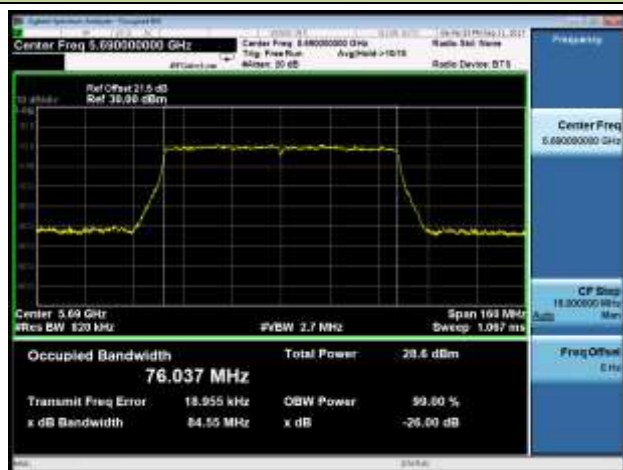
Channel 106 (5530MHz)



Channel 122 (5610MHz)



Channel 138 (5690MHz)

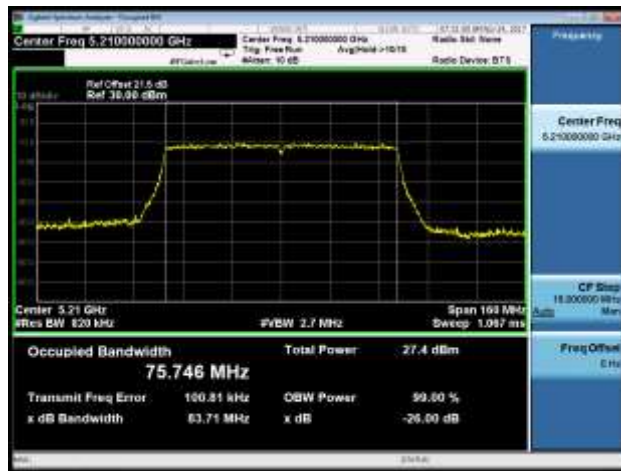


Channel 155 (5775MHz)

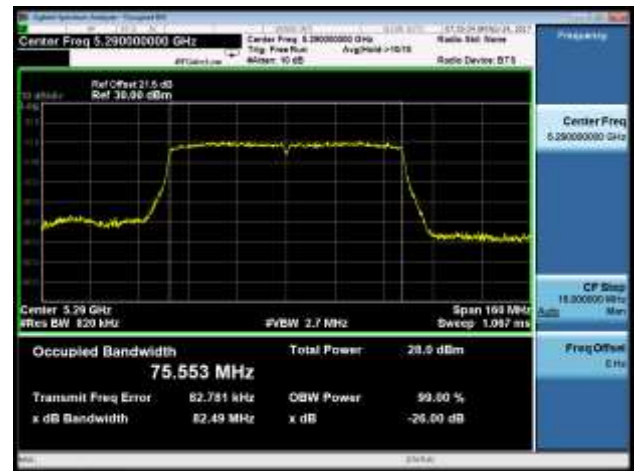


802.11ac-VHT80+80 Contiguous 26dB Bandwidth & 99% Bandwidth - Ant 0 + 1 + 2 + 3

Channel 42 (5210MHz)



Channel 58 (5290MHz)



Note: 26dB OCW = $[5290 + (82.49/2)] - [5210 - (83.71/2)] = 163.100 \text{ MHz}$

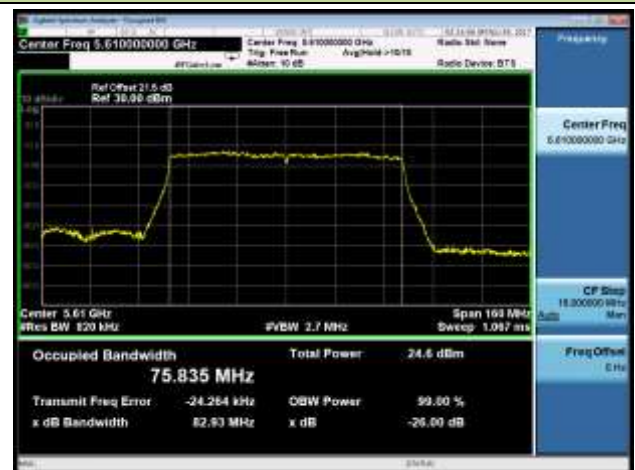
99% OCW = $[5290 + (75.553/2)] - [5210 - (75.746/2)] = 155.6495 \text{ MHz}$

802.11ac-VHT80+80 Contiguous 26dB Bandwidth & 99% Bandwidth - Ant 0 + 1 + 2 + 3

Channel 106 (5530MHz)



Channel 122 (5610MHz)



Note: 26dB OCW = $[5610 + (82.93/2)] - [5530 - (83.68/2)] = 163.305 \text{ MHz}$

99% OCW = $[5610 + (75.835/2)] - [5530 - (75.726/2)] = 155.7805 \text{ MHz}$

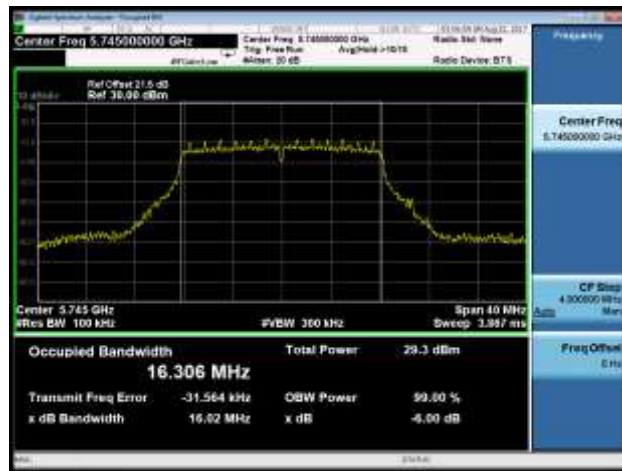
5. 6dB 佔用頻寬測試結果

Product	ACCESS POINT	Temperature	24°C
Test Engineer	Kevin Ker	Relative Humidity	59%
Test Site	SR2	Test Date	2017/09/13

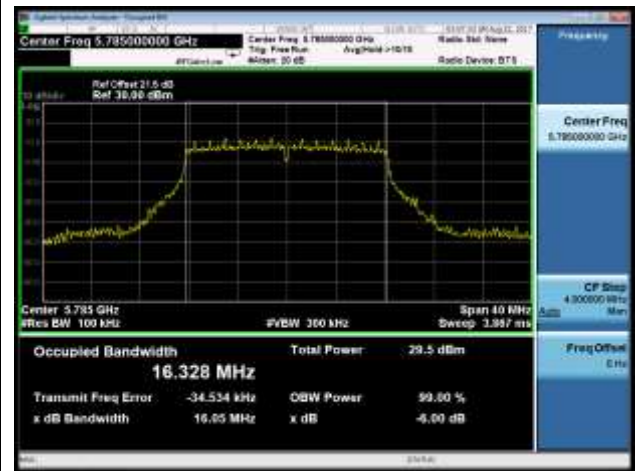
Test Mode	Data Rate/ MCS	Channel No.	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)	Result
Ant 0 / Ant 0 + 1 + 2 + 3						
802.11a	6Mbps	149	5745	16.02	≥0.5	Pass
802.11a	6Mbps	157	5785	16.05	≥0.5	Pass
802.11a	6Mbps	165	5825	16.08	≥0.5	Pass
802.11n-HT20	MCS0	149	5745	17.60	≥0.5	Pass
802.11n-HT20	MCS0	157	5785	17.58	≥0.5	Pass
802.11n-HT20	MCS0	165	5825	17.56	≥0.5	Pass
802.11n-HT40	MCS0	151	5755	35.16	≥0.5	Pass
802.11n-HT40	MCS0	159	5795	35.14	≥0.5	Pass
802.11ac-VHT20	MCS0	149	5745	17.60	≥0.5	Pass
802.11ac-VHT20	MCS0	157	5785	17.58	≥0.5	Pass
802.11ac-VHT20	MCS0	165	5825	17.58	≥0.5	Pass
802.11ac-VHT40	MCS0	151	5755	35.18	≥0.5	Pass
802.11ac-VHT40	MCS0	159	5795	35.06	≥0.5	Pass
802.11ac-VHT80	MCS0	155	5775	75.44	≥0.5	Pass
Ant 0 / Ant 0 + 1 (Ant 0 + 1 + 2 + 3)						
802.11ac-VHT80+80	MCS0	155	5775	75.80	≥0.5	Pass
Ant 3 / Ant 2 + 3 (Ant 0 + 1 + 2 + 3)						
802.11ac-VHT80+80	MCS0	155	5775	75.36	≥0.5	Pass

802.11a 6dB Bandwidth - Ant 0 / Ant 0 + 1 + 2 + 3

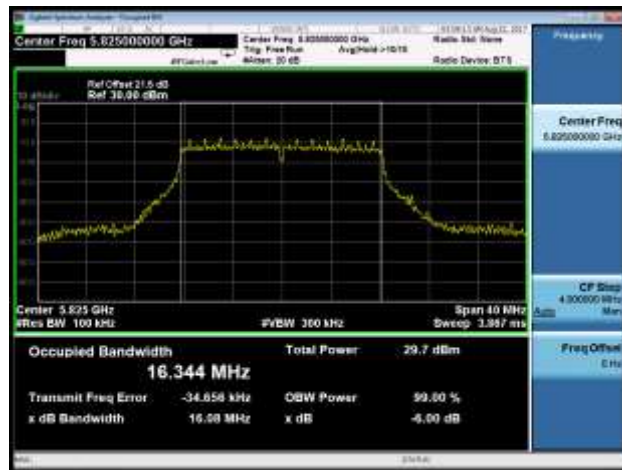
Channel 149 (5745MHz)



Channel 157 (5785MHz)

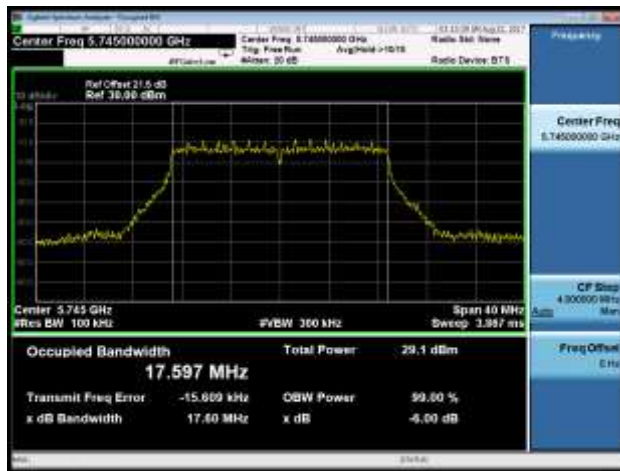


Channel 165 (5825MHz)



802.11n-HT20 6dB Bandwidth - Ant 0 / Ant 0 + 1 + 2 + 3

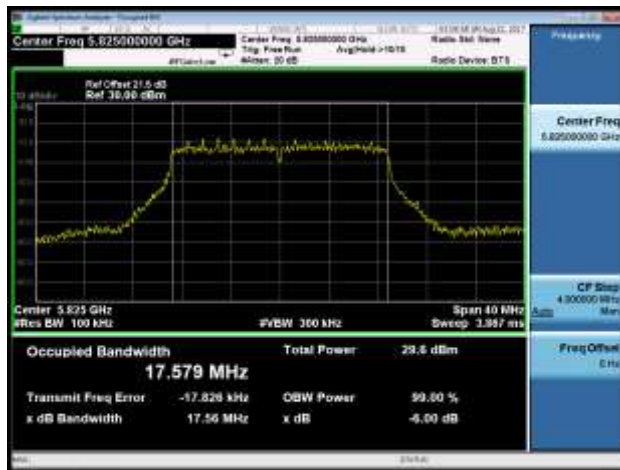
Channel 149 (5745MHz)



Channel 157 (5785MHz)

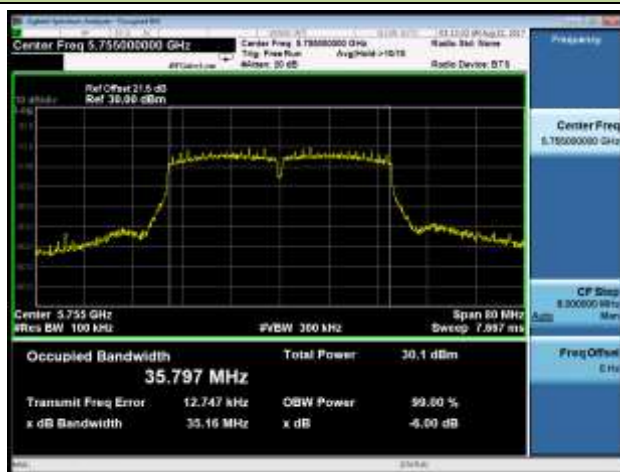


Channel 165 (5825MHz)

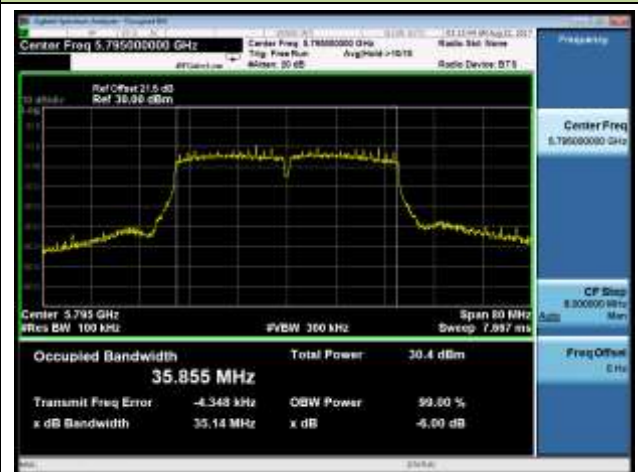


802.11n-HT40 6dB Bandwidth - Ant 0 / Ant 0 + 1 + 2 + 3

Channel 151 (5755MHz)

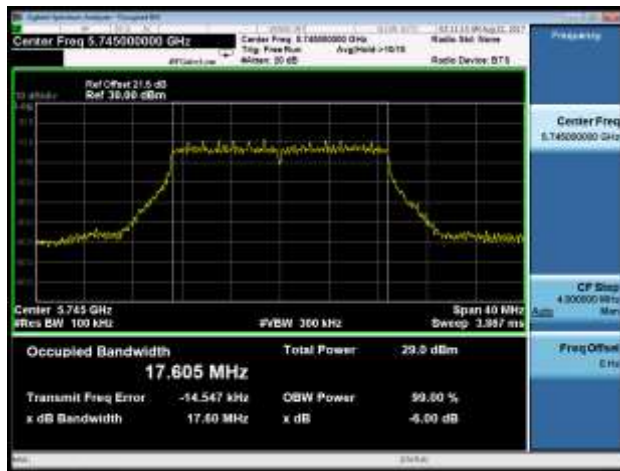


Channel 159 (5795MHz)

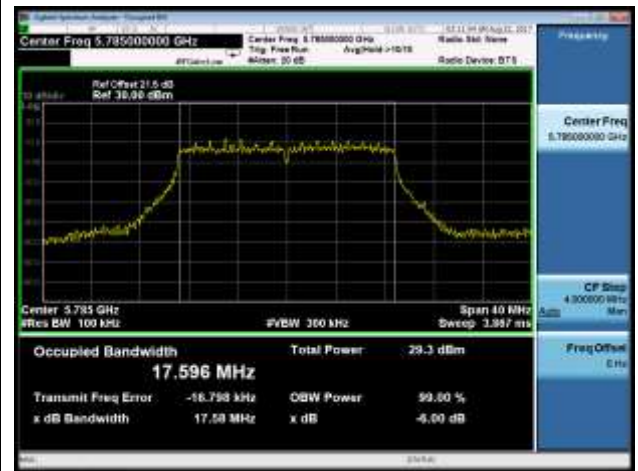


802.11ac-VHT20 6dB Bandwidth - Ant 0 / Ant 0 + 1 + 2 + 3

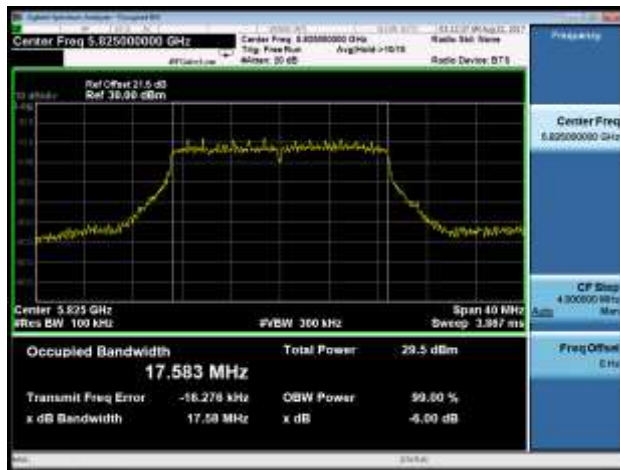
Channel 149 (5745MHz)



Channel 157 (5785MHz)

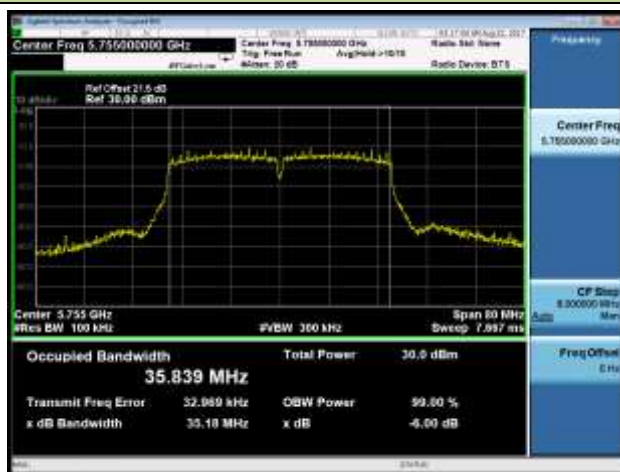


Channel 165 (5825MHz)

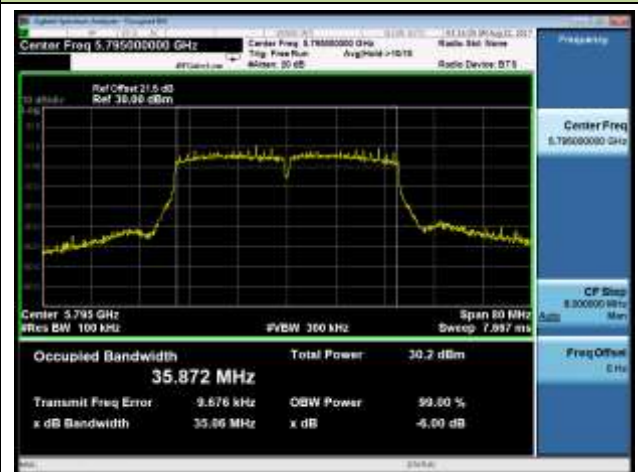


802.11ac-VHT40 6dB Bandwidth - Ant 0 / Ant 0 + 1 + 2 + 3

Channel 151 (5755MHz)

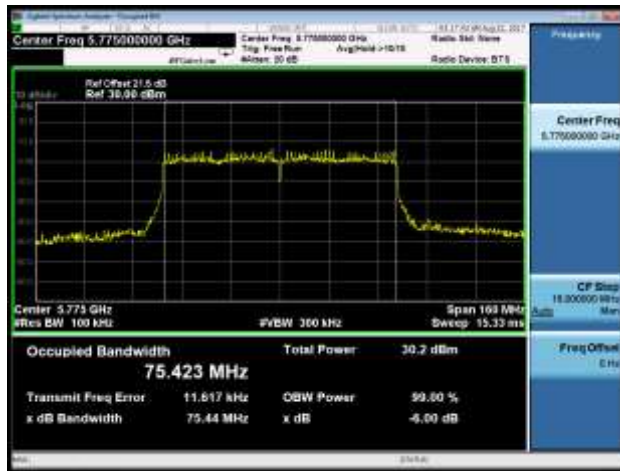


Channel 159 (5795MHz)



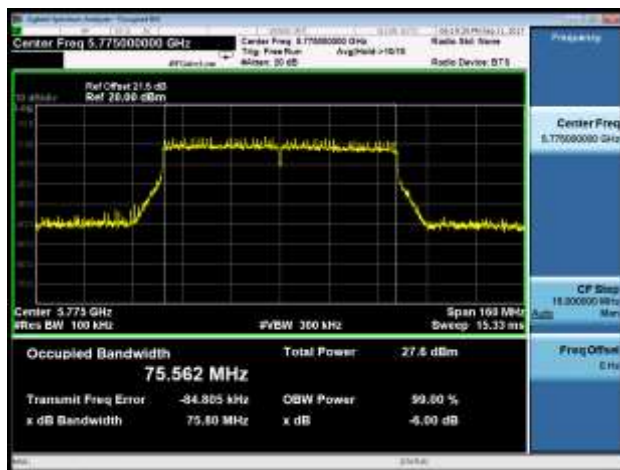
802.11ac-VHT80 6dB Bandwidth - Ant 0 / Ant 0 + 1 + 2 + 3

Channel 155 (5775MHz)



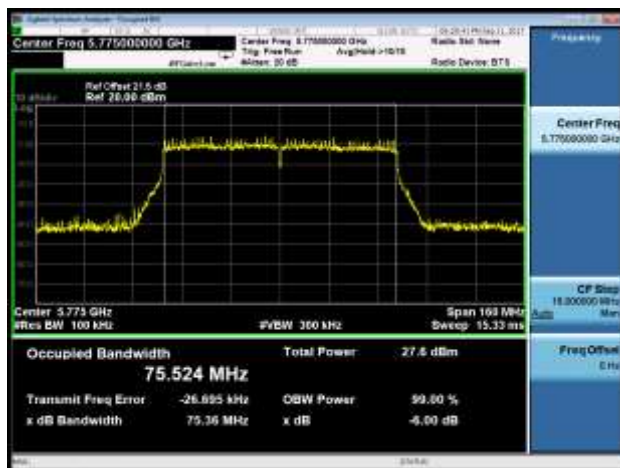
802.11ac-VHT80+80 6dB Bandwidth - Ant 0 / Ant 0 + 1 (Ant 0 + 1 + 2 + 3)

Channel 155 (5775MHz)



802.11ac-VHT80+80 6dB Bandwidth - Ant 3 / Ant 2 + 3 (Ant 0 + 1 + 2 + 3)

Channel 155 (5775MHz)



6. 最大功率頻譜密度測試結果

Product	ACCESS POINT	Temperature	24°C
Test Engineer	Kevin Ker	Relative Humidity	59%
Test Site	SR2	Test Date	2017/08/22
Test Item	Power Spectral Density (UNII-Band 1 & UNII-Band 1 & UNII-2A & UNII-2C)		

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 PSD (dBm/MHz)	Ant 1 PSD (dBm/MHz)	Ant 2 PSD (dBm/MHz)	Ant 3 PSD (dBm/MHz)	Duty Cycle (%)	Total PSD (dBm/MHz)	PSD Limit (dBm/MHz)	Result
Ant 0 + 1 + 2 + 3 (CDD Mode)											
11a	6Mbps	36	5180	7.25	7.11	6.75	7.25	96.71	13.26	≤ 15.39	Pass
11a	6Mbps	44	5220	7.19	7.29	7.06	7.33	96.71	13.38	≤ 15.39	Pass
11a	6Mbps	48	5240	7.07	7.03	7.05	6.95	96.71	13.19	≤ 15.39	Pass
11a	6Mbps	52	5260	2.73	2.95	2.79	3.07	96.71	9.05	≤ 9.39	Pass
11a	6Mbps	60	5300	2.96	2.98	2.84	3.25	96.71	9.18	≤ 9.39	Pass
11a	6Mbps	64	5320	2.83	2.58	2.88	3.21	96.71	9.05	≤ 9.39	Pass
11a	6Mbps	100	5500	2.52	2.68	2.46	2.73	96.71	8.76	≤ 9.39	Pass
11a	6Mbps	120	5600	2.51	2.95	3.11	3.36	96.71	9.16	≤ 9.39	Pass
11a	6Mbps	140	5700	2.14	2.72	2.36	3.20	96.71	8.79	≤ 9.39	Pass
11a	6Mbps	144	5720	2.24	2.74	2.40	3.14	96.71	8.81	≤ 9.39	Pass
11n-HT20	MCS0	36	5180	7.17	6.97	7.25	7.22	98.61	13.17	≤ 15.39	Pass
11n-HT20	MCS0	44	5220	7.09	7.57	7.20	7.42	98.61	13.34	≤ 15.39	Pass
11n-HT20	MCS0	48	5240	7.20	7.35	7.37	7.80	98.61	13.46	≤ 15.39	Pass
11n-HT20	MCS0	52	5260	2.34	2.76	2.69	2.89	98.61	8.70	≤ 9.39	Pass
11n-HT20	MCS0	60	5300	2.53	2.76	2.69	3.08	98.61	8.79	≤ 9.39	Pass
11n-HT20	MCS0	64	5320	2.51	2.15	2.83	2.97	98.61	8.65	≤ 9.39	Pass
11n-HT20	MCS0	100	5500	3.02	2.80	2.77	2.70	98.61	8.84	≤ 9.39	Pass
11n-HT20	MCS0	120	5600	2.36	3.08	3.03	3.42	98.61	9.01	≤ 9.39	Pass
11n-HT20	MCS0	140	5700	2.85	3.24	2.92	3.35	98.61	9.12	≤ 9.39	Pass
11n-HT20	MCS0	144	5720	2.59	3.10	3.13	3.16	98.61	9.02	≤ 9.39	Pass

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 PSD (dBm/MHz)	Ant 1 PSD (dBm/MHz)	Ant 2 PSD (dBm/MHz)	Ant 3 PSD (dBm/MHz)	Duty Cycle (%)	Total PSD (dBm/MHz)	PSD Limit (dBm/MHz)	Result
Ant 0 + 1 + 2 + 3 (CDD Mode)											
11n-HT40	MCS0	38	5190	4.86	4.44	4.42	4.62	96.98	10.74	≤ 15.39	Pass
11n-HT40	MCS0	46	5230	4.46	4.25	4.04	4.63	96.98	10.50	≤ 15.39	Pass
11n-HT40	MCS0	54	5270	2.75	2.79	2.89	2.83	96.98	8.97	≤ 9.39	Pass
11n-HT40	MCS0	62	5310	2.66	2.91	2.90	2.82	96.98	8.98	≤ 9.39	Pass
11n-HT40	MCS0	102	5510	2.73	3.19	2.62	3.10	96.98	9.07	≤ 9.39	Pass
11n-HT40	MCS0	118	5590	2.90	3.16	3.23	3.09	96.98	9.25	≤ 9.39	Pass
11n-HT40	MCS0	134	5670	2.49	3.07	2.88	3.08	96.98	9.04	≤ 9.39	Pass
11n-HT40	MCS0	142	5710	2.69	2.96	2.79	3.59	96.98	9.18	≤ 9.39	Pass
11ac-VHT20	MCS0	36	5180	7.12	6.94	7.08	7.18	98.61	13.10	≤ 15.39	Pass
11ac-VHT20	MCS0	44	5220	7.44	7.22	7.35	7.52	98.61	13.40	≤ 15.39	Pass
11ac-VHT20	MCS0	48	5240	7.07	7.18	7.33	7.80	98.61	13.37	≤ 15.39	Pass
11ac-VHT20	MCS0	52	5260	2.36	2.74	2.91	2.86	98.61	8.74	≤ 9.39	Pass
11ac-VHT20	MCS0	60	5300	2.30	2.59	2.78	2.92	98.61	8.67	≤ 9.39	Pass
11ac-VHT20	MCS0	64	5320	2.81	2.69	3.09	3.07	98.61	8.94	≤ 9.39	Pass
11ac-VHT20	MCS0	100	5500	2.73	2.61	2.24	3.19	98.61	8.73	≤ 9.39	Pass
11ac-VHT20	MCS0	120	5600	2.68	3.02	3.08	3.44	98.61	9.08	≤ 9.39	Pass
11ac-VHT20	MCS0	140	5700	2.91	3.15	3.07	3.46	98.61	9.17	≤ 9.39	Pass
11ac-VHT20	MCS0	144	5720	2.40	3.29	3.05	3.44	98.61	9.08	≤ 9.39	Pass
11ac-VHT40	MCS0	38	5190	5.03	4.52	4.64	4.93	96.99	10.94	≤ 15.39	Pass
11ac-VHT40	MCS0	46	5230	4.35	4.18	4.17	4.56	96.99	10.47	≤ 15.39	Pass
11ac-VHT40	MCS0	54	5270	2.55	2.65	2.92	2.96	96.99	8.93	≤ 9.39	Pass
11ac-VHT40	MCS0	62	5310	2.62	2.75	2.90	2.78	96.99	8.92	≤ 9.39	Pass
11ac-VHT40	MCS0	102	5510	2.93	3.09	2.54	3.09	96.99	9.07	≤ 9.39	Pass
11ac-VHT40	MCS0	118	5590	2.95	3.24	2.51	2.88	96.99	9.06	≤ 9.39	Pass
11ac-VHT40	MCS0	134	5670	2.79	2.98	2.70	2.96	96.99	9.01	≤ 9.39	Pass
11ac-VHT40	MCS0	142	5710	2.90	2.92	2.67	3.55	96.99	9.18	≤ 9.39	Pass
11ac-VHT80	MCS0	42	5210	-1.35	-1.24	-1.20	-0.93	93.86	5.12	≤ 15.39	Pass
11ac-VHT80	MCS0	58	5290	0.09	0.23	0.05	0.47	93.86	6.51	≤ 9.39	Pass
11ac-VHT80	MCS0	106	5530	0.65	0.65	0.47	0.54	93.86	6.87	≤ 9.39	Pass
11ac-VHT80	MCS0	122	5610	-0.12	0.07	0.03	0.81	93.86	6.51	≤ 9.39	Pass
11ac-VHT80	MCS0	138	5690	-0.18	0.19	-0.05	0.53	93.86	6.43	≤ 9.39	Pass

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 PSD (dBm/MHz)	Ant 1 PSD (dBm/MHz)	Ant 2 PSD (dBm/MHz)	Ant 3 PSD (dBm/MHz)	Duty Cycle (%)	Total PSD (dBm/MHz)	PSD Limit (dBm/MHz)	Result
Ant 0 + 1 + 2 + 3 (CDD Mode)											
Non-contiguous 80+80 MHz mode fall within different UNII band											
11ac-VHT80+80	MCS0	42	5210	3.84	4.16	--	--	93.86	7.28	≤ 17.00	Pass
11ac-VHT80+80	MCS0	42	5210	--	--	4.31	4.72	93.86	7.79	≤ 17.00	Pass
11ac-VHT80+80	MCS0	58	5290	2.90	3.03	--	--	93.86	6.25	≤ 11.00	Pass
11ac-VHT80+80	MCS0	58	5290	--	--	2.62	3.21	93.86	6.21	≤ 11.00	Pass
11ac-VHT80+80	MCS0	106	5530	2.88	3.21	--	--	93.86	6.33	≤ 11.00	Pass
11ac-VHT80+80	MCS0	106	5530	--	--	3.05	3.46	93.86	6.55	≤ 11.00	Pass
11ac-VHT80+80	MCS0	122	5610	3.61	3.99	--	--	93.86	7.09	≤ 11.00	Pass
11ac-VHT80+80	MCS0	122	5610	--	--	3.15	3.47	93.86	6.60	≤ 11.00	Pass
11ac-VHT80+80	MCS0	138	5690	3.42	3.67	--	--	93.86	6.83	≤ 11.00	Pass
11ac-VHT80+80	MCS0	138	5690	--	--	3.48	3.76	93.86	6.91	≤ 11.00	Pass
Non-contiguous 80+80 MHz mode fall within same UNII band											
11ac-VHT80+80	MCS0	106	5530	0.76	0.64	--	--	93.86	6.75	≤ 11.00	Pass
11ac-VHT80+80	MCS0	138	5690	--	--	0.00	0.37				
11ac-VHT80+80	MCS0	106	5530	--	--	0.70	1.54	93.86	7.27	≤ 11.00	Pass
11ac-VHT80+80	MCS0	138	5690	0.71	0.89	--	--				
11ac-VHT80+80 (Contiguous 80+80 MHz mode)											
11ac-VHT80+80	MCS0	42	5210	2.01	1.23	--	--	96.75	4.65	≤ 17.00	Pass
	MCS0	58	5290	--	--	2.51	1.94	96.75	5.24	≤ 11.00	Pass
11ac-VHT80+80	MCS0	106	5530	0.31	-0.19	--	--	96.75	6.28	≤ 11.00	Pass
	MCS0	122	5610	--	--	-0.21	0.51				

Note 1: When EUT duty cycle ≥ 98%, Total PSD (dBm/MHz) = $10 \cdot \log \{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)} + 10^{(\text{Ant 2 PSD}/10)} + 10^{(\text{Ant 3 PSD}/10)}\}$ (dBm/MHz).

Note 2: When EUT duty cycle < 98%, Total PSD (dBm/MHz) = $10 \cdot \log \{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)} + 10^{(\text{Ant 2 PSD}/10)} + 10^{(\text{Ant 3 PSD}/10)}\}$ (dBm/MHz) + $10 \cdot \log (1/\text{Duty Cycle})$.

Note 3: For 802.11ac-VHT80+80:

Ant 0 & Ant 1: Total PSD (dBm/MHz) = $10 \cdot \log \{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)}\}$ (dBm/MHz) + $10 \cdot \log (1/\text{Duty Cycle})$.

Ant 2 & Ant 3: Total PSD (dBm/MHz) = $10 \cdot \log \{10^{(\text{Ant 2 PSD}/10)} + 10^{(\text{Ant 3 PSD}/10)}\}$ (dBm/MHz) + $10 \cdot \log (1/\text{Duty Cycle})$.

Note 4: For 802.11ac-VHT80+80 Contiguous Mode:

5210MHz Fall within UNII-1: Total Average Power (dBm) = $10 \cdot \log \{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)}\}$.

5290MHz Fall within UNII-2A: Total Average Power (dBm) = $10 \cdot \log \{10^{(\text{Ant 2 PSD}/10)} + 10^{(\text{Ant 3 PSD}/10)}\}$.

5530MHz & 5610MHz Fall within UNII-2C: Total Average Power (dBm) = $10 \cdot \log \{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)} +$

$$10^{(\text{Ant 2 PSD}/10)} + 10^{(\text{Ant 3 PSD}/10)}\}.$$

Note 5: PSD Limit Calculation as below:

For 5150-5250MHz & 5725-5850MHz:

802.11a/n-HT20/n-HT40/ac-VHT20/ac-VHT40/ac-VHT80:

$$\text{Limit} = 17\text{dBm/MHz} - (7.61\text{dBi} - 6\text{dBi}) = 15.39\text{ dBm/MHz}.$$

$$\text{For 802.11ac-VHT80+80: Limit (dBm/MHz)} = 17\text{dBm/MHz}.$$

For 5250-5350MHz & 5470-5725MHz:

802.11a/n-HT20/n-HT40/ac-VHT20/ac-VHT40/ac-VHT80:

$$\text{Limit} = 11\text{dBm/MHz} - (7.61\text{dBi} - 6\text{dBi}) = 9.39\text{ dBm/MHz}.$$

$$802.11ac-VHT80+80: \text{Limit} = 11.00\text{ dBm/MHz}.$$

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 PSD (dBm/MHz)	Ant 1 PSD (dBm/MHz)	Ant 2 PSD (dBm/MHz)	Ant 3 PSD (dBm/MHz)	Duty Cycle (%)	Total PSD (dBm/MHz)	PSD Limit (dBm/MHz)	Result
Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)											
11n-HT20	MCS0	36	5180	4.69	4.30	4.41	4.15	98.61	10.41	≤ 15.39	Pass
11n-HT20	MCS0	44	5220	4.27	3.96	4.12	4.05	98.61	10.12	≤ 15.39	Pass
11n-HT20	MCS0	48	5240	4.15	4.08	3.84	3.88	98.61	10.01	≤ 15.39	Pass
11n-HT20	MCS0	52	5260	2.34	2.76	2.69	2.89	98.61	8.70	≤ 9.39	Pass
11n-HT20	MCS0	60	5300	2.53	2.76	2.69	3.08	98.61	8.79	≤ 9.39	Pass
11n-HT20	MCS0	64	5320	2.51	2.15	2.83	2.97	98.61	8.65	≤ 9.39	Pass
11n-HT20	MCS0	100	5500	3.02	2.80	2.77	2.70	98.61	8.84	≤ 9.39	Pass
11n-HT20	MCS0	120	5600	2.36	3.08	3.03	3.42	98.61	9.01	≤ 9.39	Pass
11n-HT20	MCS0	140	5700	2.85	3.24	2.92	3.35	98.61	9.12	≤ 9.39	Pass
11n-HT20	MCS0	144	5720	2.59	3.10	3.13	3.16	98.61	9.02	≤ 9.39	Pass
11n-HT40	MCS0	38	5190	2.01	1.61	1.74	1.71	96.98	7.92	≤ 15.39	Pass
11n-HT40	MCS0	46	5230	1.32	1.35	1.22	1.50	96.98	7.50	≤ 15.39	Pass
11n-HT40	MCS0	54	5270	1.67	1.79	1.38	2.09	96.98	7.89	≤ 9.39	Pass
11n-HT40	MCS0	62	5310	1.62	1.55	1.58	1.52	96.98	7.72	≤ 9.39	Pass
11n-HT40	MCS0	102	5510	2.73	3.19	2.62	3.10	96.98	9.07	≤ 9.39	Pass
11n-HT40	MCS0	118	5590	2.90	3.16	3.23	3.09	96.98	9.25	≤ 9.39	Pass
11n-HT40	MCS0	134	5670	1.83	2.34	1.84	1.98	96.98	8.16	≤ 9.39	Pass
11n-HT40	MCS0	142	5710	2.15	2.41	2.02	2.35	96.98	8.39	≤ 9.39	Pass
11ac-VHT20	MCS0	36	5180	4.71	4.13	4.31	4.11	98.61	10.34	≤ 15.39	Pass
11ac-VHT20	MCS0	44	5220	4.21	4.02	4.10	4.14	98.61	10.14	≤ 15.39	Pass
11ac-VHT20	MCS0	48	5240	4.15	3.95	3.95	4.03	98.61	10.04	≤ 15.39	Pass
11ac-VHT20	MCS0	52	5260	2.36	2.74	2.91	2.86	98.61	8.74	≤ 9.39	Pass
11ac-VHT20	MCS0	60	5300	2.30	2.59	2.78	2.92	98.61	8.67	≤ 9.39	Pass
11ac-VHT20	MCS0	64	5320	2.81	2.69	3.09	3.07	98.61	8.94	≤ 9.39	Pass
11ac-VHT20	MCS0	100	5500	2.73	2.61	2.24	3.19	98.61	8.73	≤ 9.39	Pass
11ac-VHT20	MCS0	120	5600	2.68	3.02	3.08	3.44	98.61	9.08	≤ 9.39	Pass
11ac-VHT20	MCS0	140	5700	2.91	3.15	3.07	3.46	98.61	9.17	≤ 9.39	Pass
11ac-VHT20	MCS0	144	5720	2.40	3.29	3.05	3.44	98.61	9.08	≤ 9.39	Pass

Test Mode	Data Rate/MCS	Channel No.	Freq. (MHz)	Ant 0 PSD (dBm/MHz)	Ant 1 PSD (dBm/MHz)	Ant 2 PSD (dBm/MHz)	Ant 3 PSD (dBm/MHz)	Duty Cycle (%)	Total PSD (dBm/MHz)	PSD Limit (dBm/MHz)	Result
Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)											
11ac-VHT40	MCS0	38	5190	1.80	1.57	1.64	1.90	96.99	7.88	≤ 15.39	Pass
11ac-VHT40	MCS0	46	5230	1.32	1.32	1.66	1.49	96.99	7.60	≤ 15.39	Pass
11ac-VHT40	MCS0	54	5270	1.35	1.41	1.48	1.77	96.99	7.66	≤ 9.39	Pass
11ac-VHT40	MCS0	62	5310	1.53	1.52	1.48	1.47	96.99	7.65	≤ 9.39	Pass
11ac-VHT40	MCS0	102	5510	2.93	3.09	2.54	3.09	96.99	9.07	≤ 9.39	Pass
11ac-VHT40	MCS0	118	5590	2.13	2.38	2.05	2.36	96.99	8.39	≤ 9.39	Pass
11ac-VHT40	MCS0	134	5670	1.83	2.20	1.93	2.57	96.99	8.30	≤ 9.39	Pass
11ac-VHT40	MCS0	142	5710	1.95	2.36	2.01	2.40	96.99	8.34	≤ 9.39	Pass
11ac-VHT80	MCS0	42	5210	-2.38	-2.62	-2.20	-2.12	93.86	3.97	≤ 15.39	Pass
11ac-VHT80	MCS0	58	5290	-2.06	-2.01	-2.23	-1.88	93.86	4.25	≤ 9.39	Pass
11ac-VHT80	MCS0	106	5530	-1.18	-1.10	-1.73	-1.35	93.86	4.96	≤ 9.39	Pass
11ac-VHT80	MCS0	122	5610	-1.29	-0.91	-1.54	-1.03	93.86	5.11	≤ 9.39	Pass
11ac-VHT80	MCS0	138	5690	-1.27	-0.98	-1.41	-0.75	93.86	5.20	≤ 9.39	Pass
Non-contiguous 80+80 MHz mode fall within different UNII band											
11ac-VHT80+80	MCS0	42	5210	3.84	4.16	--	--	93.86	7.28	≤ 17.00	Pass
11ac-VHT80+80	MCS0	42	5210	--	--	4.31	4.72	93.86	7.79	≤ 17.00	Pass
11ac-VHT80+80	MCS0	58	5290	2.90	3.03	--	--	93.86	6.25	≤ 11.00	Pass
11ac-VHT80+80	MCS0	58	5290	--	--	2.62	3.21	93.86	6.21	≤ 11.00	Pass
11ac-VHT80+80	MCS0	106	5530	2.88	3.21	--	--	93.86	6.33	≤ 11.00	Pass
11ac-VHT80+80	MCS0	106	5530	--	--	3.05	3.46	93.86	6.55	≤ 11.00	Pass
11ac-VHT80+80	MCS0	122	5610	3.61	3.99	--	--	93.86	7.09	≤ 11.00	Pass
11ac-VHT80+80	MCS0	122	5610	--	--	3.15	3.47	93.86	6.60	≤ 11.00	Pass
11ac-VHT80+80	MCS0	138	5690	3.42	3.67	--	--	93.86	6.83	≤ 11.00	Pass
11ac-VHT80+80	MCS0	138	5690	--	--	3.48	3.76	93.86	6.91	≤ 11.00	Pass
Non-contiguous 80+80 MHz mode fall within same UNII band											
11ac-VHT80+80	MCS0	106	5530	0.76	0.64	--	--	93.86	6.75	≤ 11.00	Pass
11ac-VHT80+80	MCS0	138	5690	--	--	0.00	0.37				
11ac-VHT80+80	MCS0	106	5530	--	--	0.70	1.54	93.86	7.27	≤ 11.00	Pass
11ac-VHT80+80	MCS0	138	5690	0.71	0.89	--	--				

Note 1: When EUT duty cycle ≥ 98%, Total PSD (dBm/MHz) = $10 \cdot \log \{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)} + 10^{(\text{Ant 2 PSD}/10)} + 10^{(\text{Ant 3 PSD}/10)}\}$ (dBm/MHz).

Note 2: When EUT duty cycle < 98%, Total PSD (dBm/MHz) = $10 \cdot \log \{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)} + 10^{(\text{Ant 2 PSD}/10)}\}$ (dBm/MHz).

+ $10^{(\text{Ant } 3 \text{ PSD}/10)}$ (dBm/MHz) + $10 \cdot \log (1/\text{Duty Cycle})$.

Note 3: For 802.11ac-VHT80+80:

Ant 0 & Ant 1: Total PSD (dBm/MHz) = $10 \cdot \log \{10^{(\text{Ant } 0 \text{ PSD}/10)} + 10^{(\text{Ant } 1 \text{ PSD}/10)}\}$ (dBm/MHz) + $10 \cdot \log (1/\text{Duty Cycle})$.

Ant 2 & Ant 3: Total PSD (dBm/MHz) = $10 \cdot \log \{10^{(\text{Ant } 2 \text{ PSD}/10)} + 10^{(\text{Ant } 3 \text{ PSD}/10)}\}$ (dBm/MHz) + $10 \cdot \log (1/\text{Duty Cycle})$.

Note 4: PSD Limit Calculation as below:

For 5150-5250MHz

Limit (dBm/MHz) = 17dBm/MHz - (4.6dBi + 3.01dBi - 6dBi) = 15.39dBm/MHz.

802.11ac-VHT80+80: PSD Limit (dBm/MHz) = 17dBm/MHz.

For 5250-5350MHz, 5470-5725MHz

802.11n-HT20/n-HT40/ac-VHT20/ac-VHT40/ac-VHT80:

Limit = 11dBm/MHz - (4.6dBi + 3.01dBi - 6dBi) = 9.39 dBm/MHz.

802.11ac-VHT80+80: Limit = 11.00 dBm/MHz.

Product	ACCESS POINT	Temperature	22°C
Test Engineer	Kevin Ker	Relative Humidity	54%
Test Site	SR2	Test Date	2017/08/16
Test Item	Power Spectral Density (UNII-Band 3)		

Test Mode	Data Rate/MCS	Channel No.	Freq. (MHz)	Ant 0 PSD (dBm/100kHz)	Ant 1 PSD (dBm/100kHz)	Ant 2 PSD (dBm/100kHz)	Ant 3 PSD (dBm/100kHz)	Duty Cycle (%)	Constant Factor	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	Result
Ant 0 + 1 + 2 + 3 (CDD Mode)												
11a	6Mbps	149	5745	2.58	2.42	1.98	2.94	96.71	6.99	15.65	≤ 28.39	Pass
11a	6Mbps	157	5785	2.84	2.43	2.51	3.07	96.71	6.99	15.88	≤ 28.39	Pass
11a	6Mbps	165	5825	3.08	2.61	2.80	2.97	96.71	6.99	16.02	≤ 28.39	Pass
11n-HT20	MCS0	149	5745	1.29	1.57	1.36	1.95	98.61	6.99	14.56	≤ 28.39	Pass
11n-HT20	MCS0	157	5785	1.64	1.85	1.59	2.51	98.61	6.99	14.92	≤ 28.39	Pass
11n-HT20	MCS0	165	5825	2.42	2.03	2.02	1.95	98.61	6.99	15.12	≤ 28.39	Pass
11n-HT40	MCS0	151	5755	-0.15	-0.31	-1.09	-0.17	96.98	6.99	12.73	≤ 28.39	Pass
11n-HT40	MCS0	159	5795	0.22	0.04	-0.15	-0.10	96.98	6.99	13.15	≤ 28.39	Pass
11ac-VHT20	MCS0	149	5745	1.87	1.68	1.48	2.13	98.61	6.99	14.81	≤ 28.39	Pass
11ac-VHT20	MCS0	157	5785	1.72	1.61	1.73	2.09	98.61	6.99	14.80	≤ 28.39	Pass
11ac-VHT20	MCS0	165	5825	2.45	2.17	1.73	2.35	98.61	6.99	15.19	≤ 28.39	Pass
11ac-VHT40	MCS0	151	5755	-0.61	-0.17	-0.66	0.12	96.99	6.99	12.83	≤ 28.39	Pass
11ac-VHT40	MCS0	159	5795	-0.36	-0.26	-0.69	-0.15	96.99	6.99	12.78	≤ 28.39	Pass
11ac-VHT80	MCS0	155	5775	-4.03	-4.08	-4.46	-3.61	93.86	6.99	9.25	≤ 28.39	Pass
11ac-VHT80+80	MCS0	155	5775	-4.17	-4.13	--	--	93.86	6.99	6.11	≤ 30.00	Pass
11ac-VHT80+80	MCS0	155	5775	--	--	-3.87	-4.16	93.86	6.99	6.25	≤ 30.00	Pass

Note 1: When EUT duty cycle ≥ 98%, Total PSD (dBm/500kHz) = $10 \cdot \log \{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)} + 10^{(\text{Ant 2 PSD}/10)} + 10^{(\text{Ant 3 PSD}/10)}\}$ (dBm/100kHz) + Constant Factor.

Note 2: When EUT duty cycle < 98%, Total PSD (dBm/500kHz) = $10 \cdot \log \{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)} + 10^{(\text{Ant 2 PSD}/10)} + 10^{(\text{Ant 3 PSD}/10)}\}$ (dBm/100kHz) + Constant Factor + $10 \cdot \log (1/\text{Duty Cycle})$.

Note 3: For 802.11ac-VHT80+80:

Ant 0 & Ant 1: Total PSD (dBm/500kHz) = $10 \cdot \log \{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)}\}$ (dBm/100kHz) + Constant Factor + $10 \cdot \log (1/\text{Duty Cycle})$.

Ant 2 & Ant 3: Total PSD (dBm/500kHz) = $10 \cdot \log \{10^{(\text{Ant 2 PSD}/10)} + 10^{(\text{Ant 3 PSD}/10)}\}$ (dBm/100kHz) + Constant Factor + $10 \cdot \log (1/\text{Duty Cycle})$.

Note 4: PSD Limit (dBm/500kHz) = 30dBm/500kHz - (7.61dBi - 6dBi) = 28.39dBm/500kHz.

For 802.11ac-VHT80+80: PSD Limit (dBm/500kHz) = 30dBm/500kHz.

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 PSD (dBm/100kHz)	Ant 1 PSD (dBm/100kHz)	Ant 2 PSD (dBm/100kHz)	Ant 3 PSD (dBm/100kHz)	Duty Cycle (%)	Constant Factor	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	Result
Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)												
11n-HT20	MCS0	149	5745	1.29	1.57	1.36	1.95	98.61	6.99	14.56	≤ 28.39	Pass
11n-HT20	MCS0	157	5785	1.64	1.85	1.59	2.51	98.61	6.99	14.92	≤ 28.39	Pass
11n-HT20	MCS0	165	5825	2.42	2.03	2.02	1.95	98.61	6.99	15.12	≤ 28.39	Pass
11n-HT40	MCS0	151	5755	-0.15	-0.31	-1.09	-0.17	96.98	6.99	12.73	≤ 28.39	Pass
11n-HT40	MCS0	159	5795	0.22	0.04	-0.15	-0.10	96.98	6.99	13.15	≤ 28.39	Pass
11ac-VHT20	MCS0	149	5745	1.87	1.68	1.48	2.13	98.61	6.99	14.81	≤ 28.39	Pass
11ac-VHT20	MCS0	157	5785	1.72	1.61	1.73	2.09	98.61	6.99	14.80	≤ 28.39	Pass
11ac-VHT20	MCS0	165	5825	2.45	2.17	1.73	2.35	98.61	6.99	15.19	≤ 28.39	Pass
11ac-VHT40	MCS0	151	5755	-0.61	-0.17	-0.66	0.12	96.99	6.99	12.83	≤ 28.39	Pass
11ac-VHT40	MCS0	159	5795	-0.36	-0.26	-0.69	-0.15	96.99	6.99	12.78	≤ 28.39	Pass
11ac-VHT80	MCS0	155	5775	-4.03	-4.08	-4.46	-3.61	93.86	6.99	9.25	≤ 28.39	Pass
11ac-VHT80+80	MCS0	155	5775	-4.17	-4.13	--	--	93.86	6.99	6.13	≤ 30.00	Pass
11ac-VHT80+80	MCS0	155	5775	--	--	-3.87	-4.16	93.86	6.99	6.26	≤ 30.00	Pass

Note 1: When EUT duty cycle ≥ 98%, Total PSD (dBm/500kHz) = $10 \cdot \log \{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)} + 10^{(\text{Ant 2 PSD}/10)} + 10^{(\text{Ant 3 PSD}/10)}\}$ (dBm/100kHz) + Constant Factor.

Note 2: When EUT duty cycle < 98%, Total PSD (dBm/500kHz) = $10 \cdot \log \{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)} + 10^{(\text{Ant 2 PSD}/10)} + 10^{(\text{Ant 3 PSD}/10)}\}$ (dBm/100kHz) + Constant Factor + $10 \cdot \log (1/\text{Duty Cycle})$.

Note 3: For 802.11ac-VHT80+80:

Ant 0 & Ant 1: Total PSD (dBm/500kHz) = $10 \cdot \log \{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)}\}$ (dBm/100kHz) + Constant Factor + $10 \cdot \log (1/\text{Duty Cycle})$.

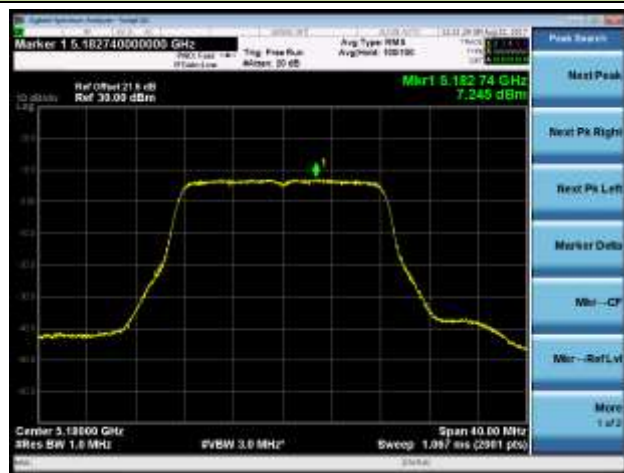
Ant 2 & Ant 3: Total PSD (dBm/500kHz) = $10 \cdot \log \{10^{(\text{Ant 2 PSD}/10)} + 10^{(\text{Ant 3 PSD}/10)}\}$ (dBm/100kHz) + Constant Factor + $10 \cdot \log (1/\text{Duty Cycle})$.

Note 4: PSD Limit (dBm/500kHz) = 30dBm/500kHz - (4.6dBi + 3.01dBi - 6dBi) = 28.39dBm/500kHz.

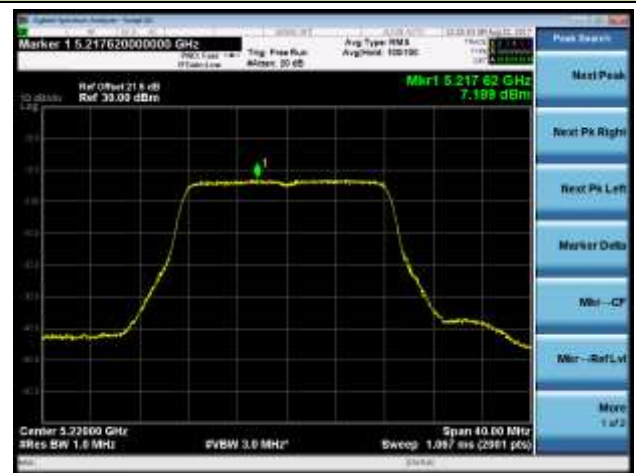
For 802.11ac-VHT80+80: PSD Limit (dBm/500kHz) = 30dBm/500kHz.

802.11a Power Spectral Density - Ant 0 / Ant 0 + 1 + 2 + 3 (CDD Mode)

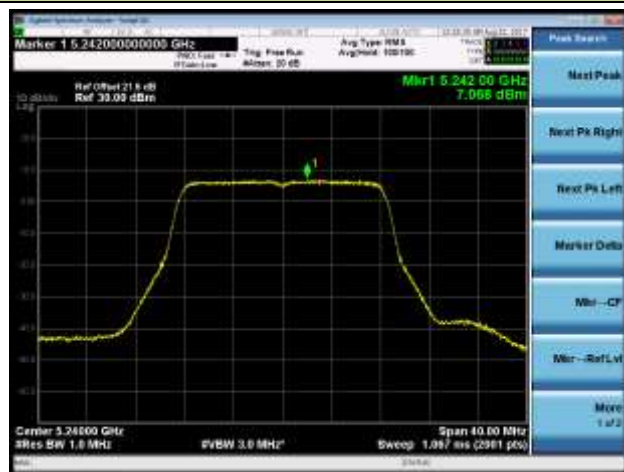
Channel 36 (5180MHz)



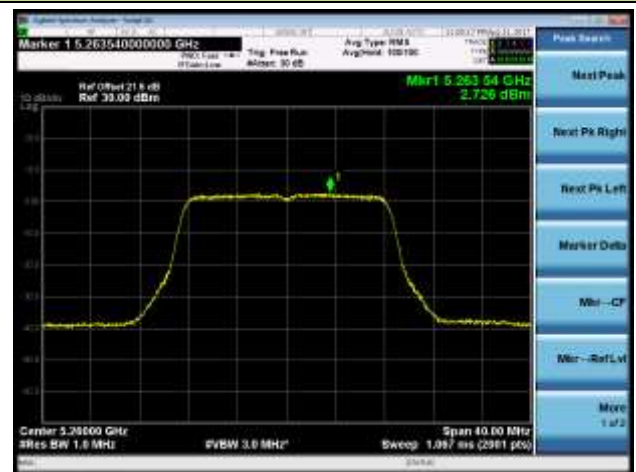
Channel 44 (5220MHz)



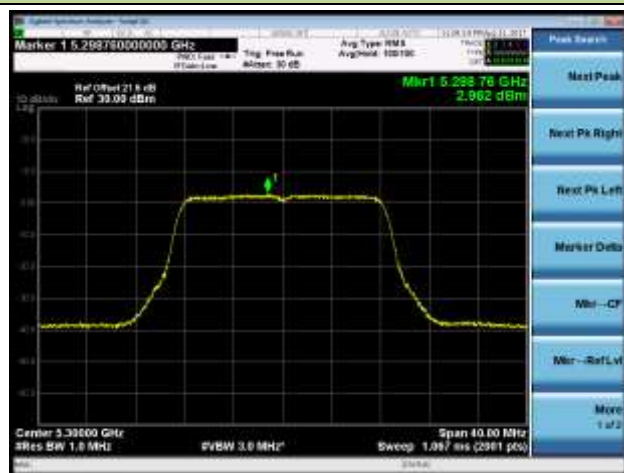
Channel 48 (5240MHz)



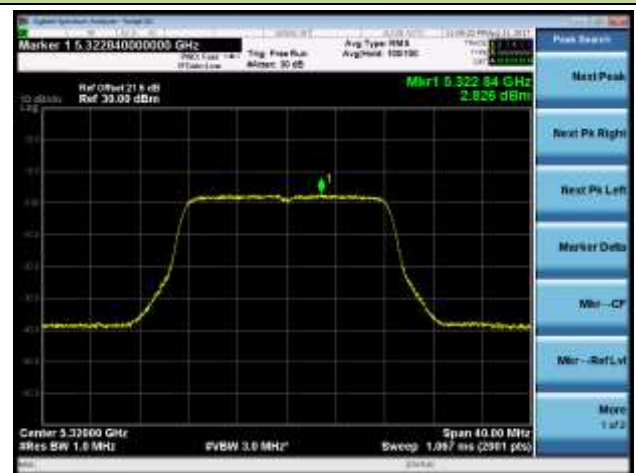
Channel 52 (5260MHz)



Channel 60 (5300MHz)

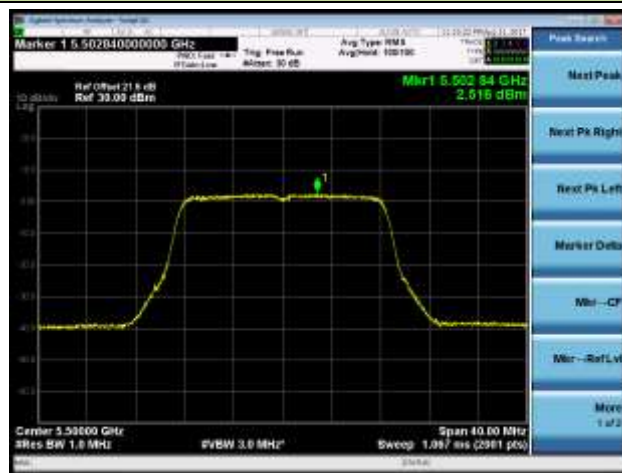


Channel 64 (5320MHz)

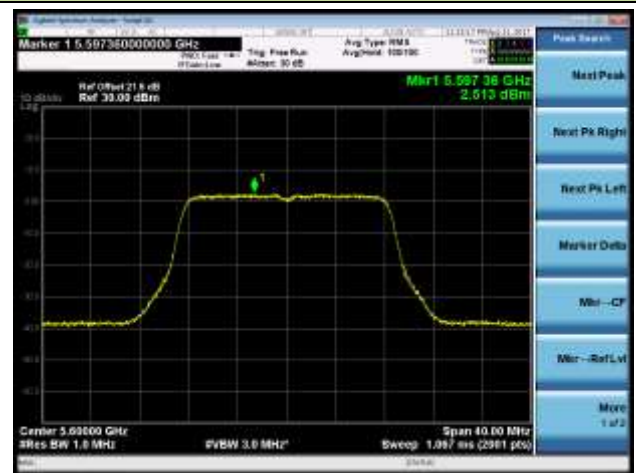


802.11a Power Spectral Density - Ant 0 / Ant 0 + 1 + 2 + 3 (CDD Mode)

Channel 100 (5500MHz)



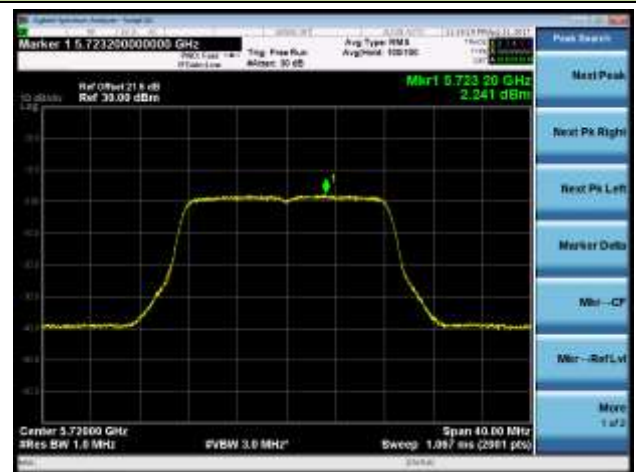
Channel 120 (5600MHz)



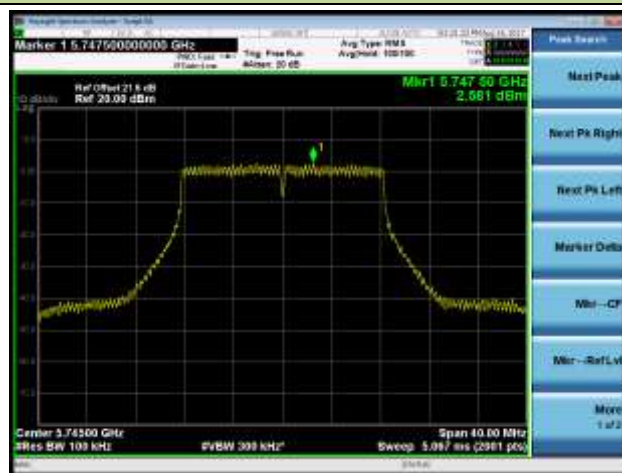
Channel 140 (5700MHz)



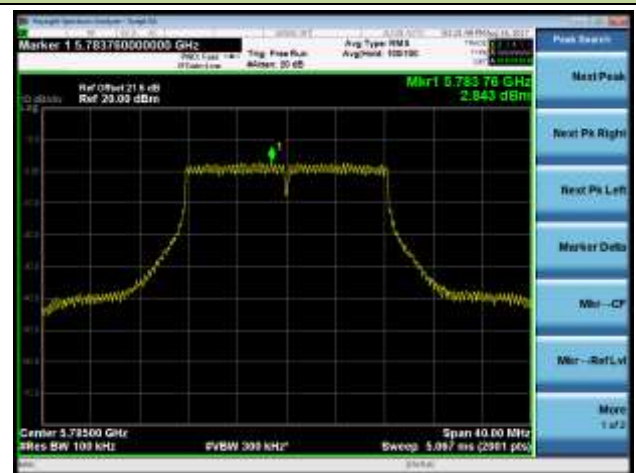
Channel 144 (5720MHz)



Channel 149 (5745MHz)

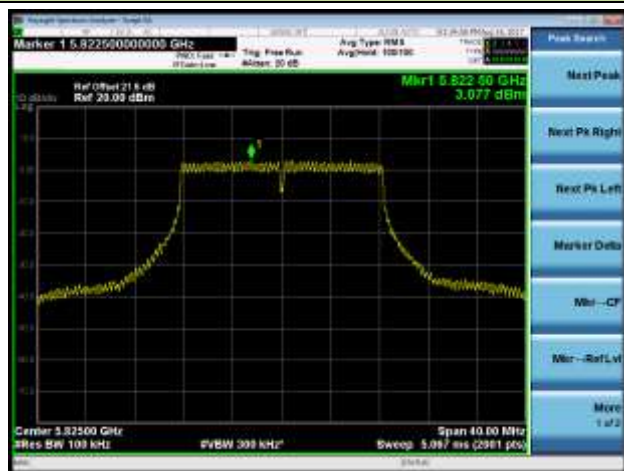


Channel 157 (5785MHz)



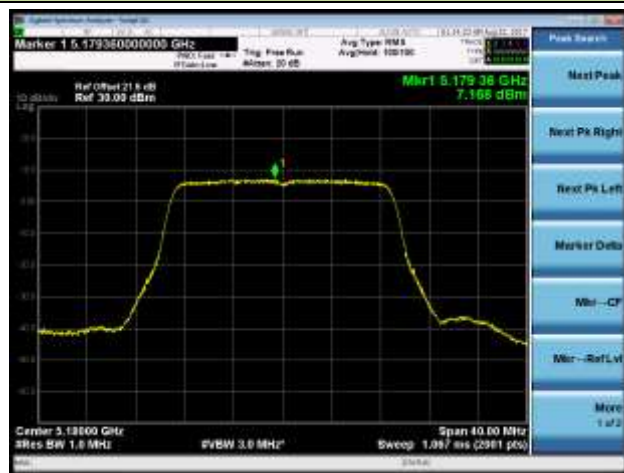
802.11a Power Spectral Density - Ant 0 / Ant 0 + 1 + 2 + 3 (CDD Mode)

Channel 165 (5825MHz)

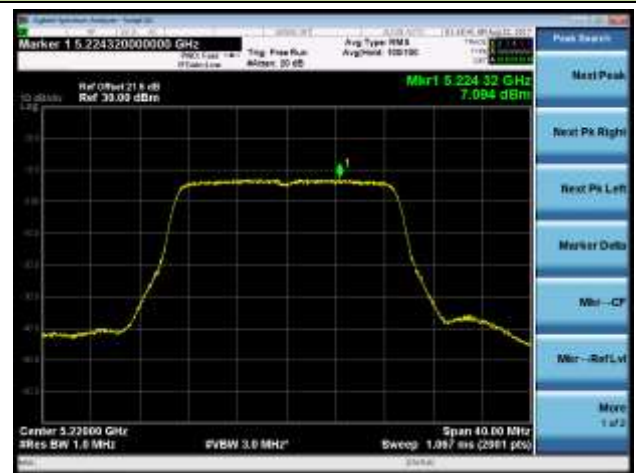


802.11n-HT20 Power Spectral Density - Ant 0 / Ant 0 + 1 + 2 + 3 (CDD Mode)

Channel 36 (5180MHz)



Channel 44 (5220MHz)



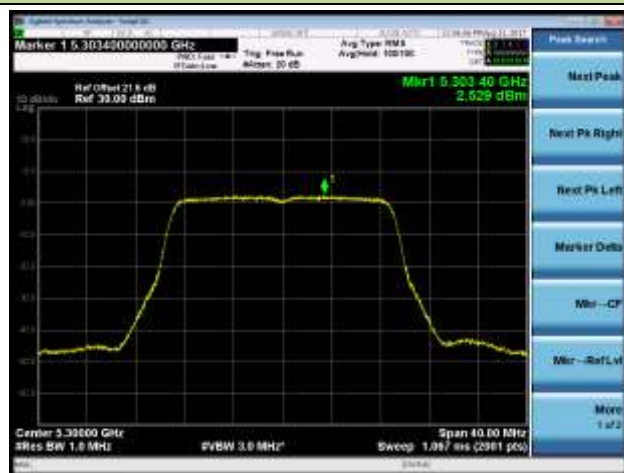
Channel 48 (5240MHz)



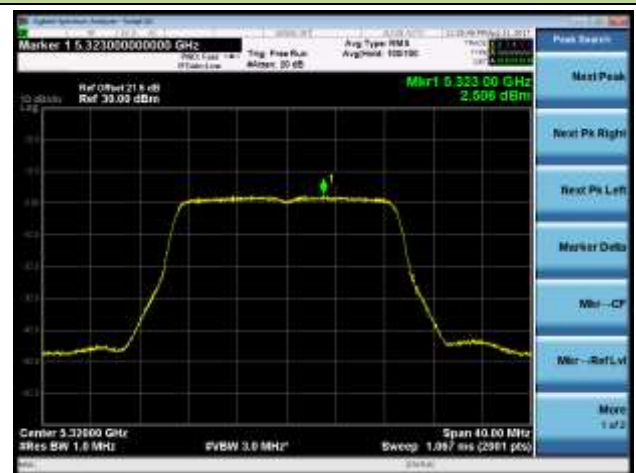
Channel 52 (5260MHz)



Channel 60 (5300MHz)

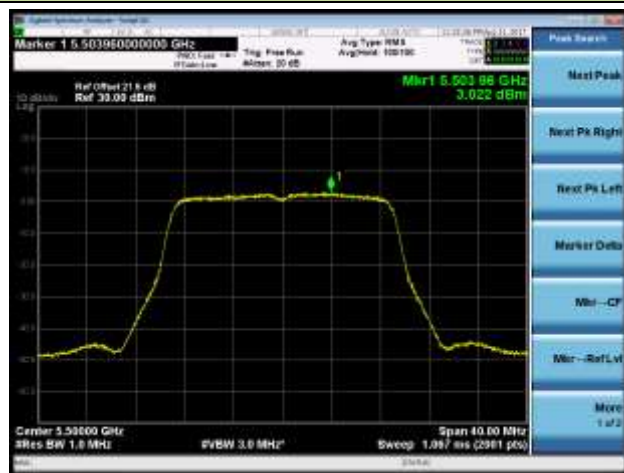


Channel 64 (5320MHz)



802.11n-HT20 Power Spectral Density - Ant 0 / Ant 0 + 1 + 2 + 3 (CDD Mode)

Channel 100 (5500MHz)



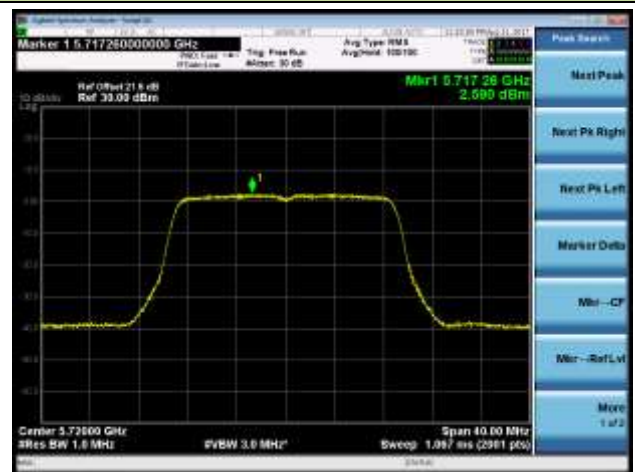
Channel 120 (5600MHz)



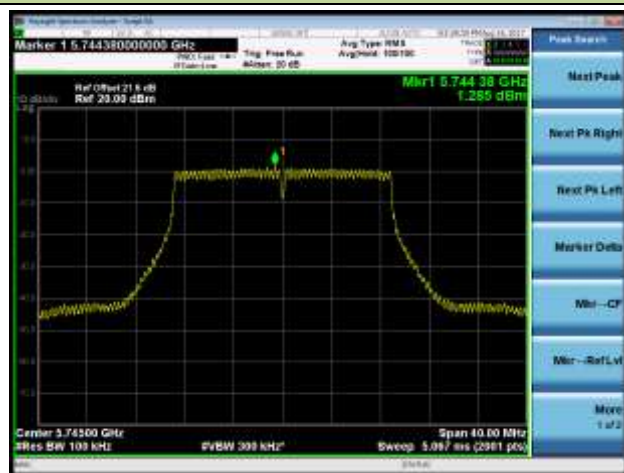
Channel 140 (5700MHz)



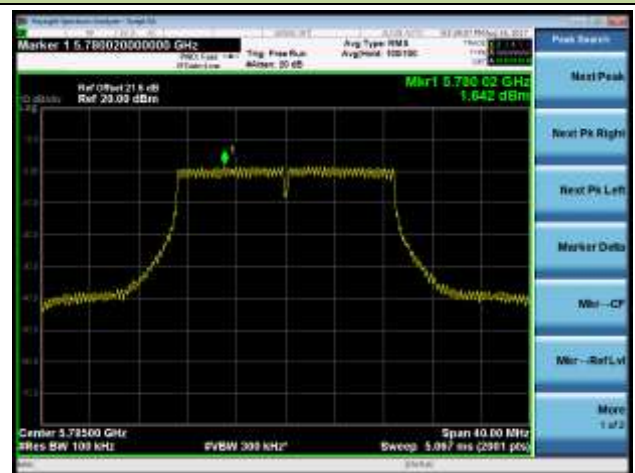
Channel 144 (5720MHz)



Channel 149 (5745MHz)

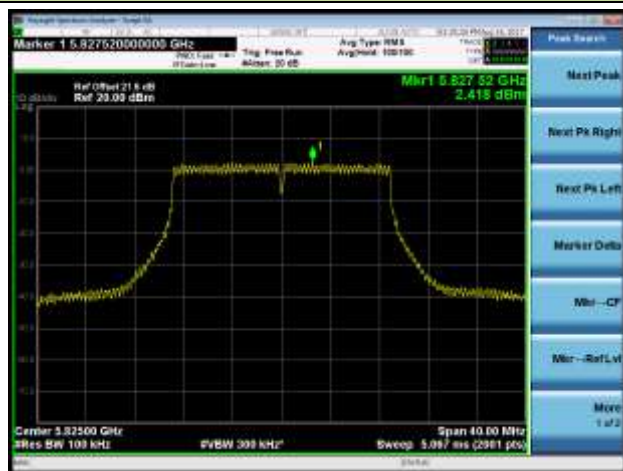


Channel 157 (5785MHz)



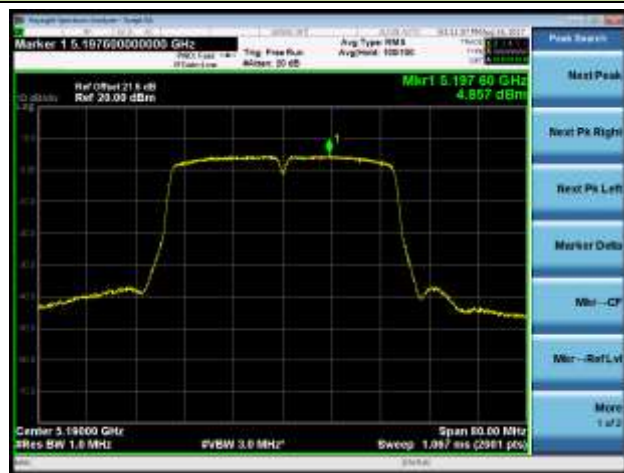
802.11n-HT20 Power Spectral Density - Ant 0 / Ant 0 + 1 + 2 + 3 (CDD Mode)

Channel 165 (5825MHz)

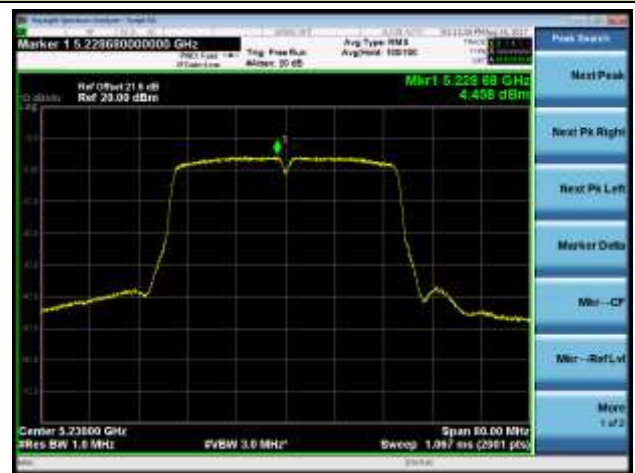


802.11n-HT40 Power Spectral Density - Ant 0 / Ant 0 + 1 + 2 + 3 (CDD Mode)

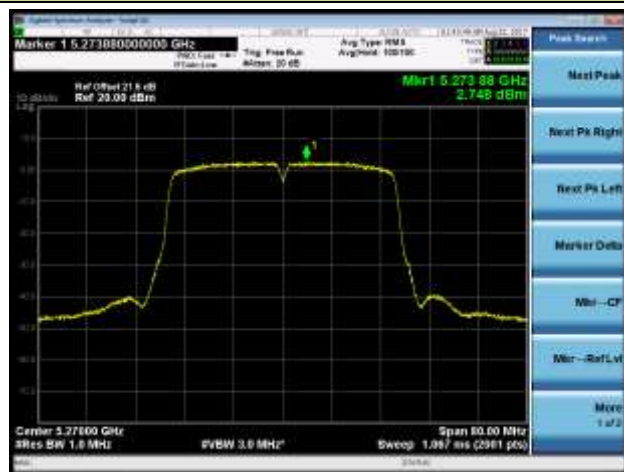
Channel 38 (5190MHz)



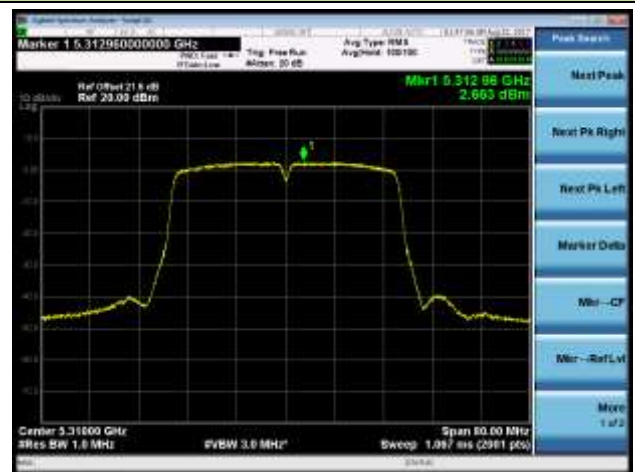
Channel 46 (5230MHz)



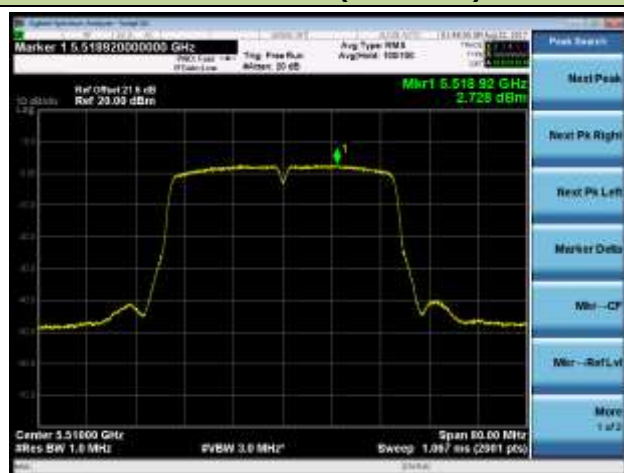
Channel 54 (5270MHz)



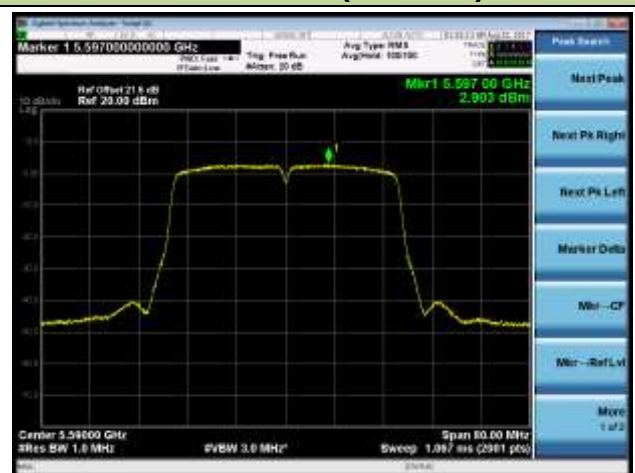
Channel 62 (5310MHz)



Channel 102 (5510MHz)



Channel 118 (5590MHz)

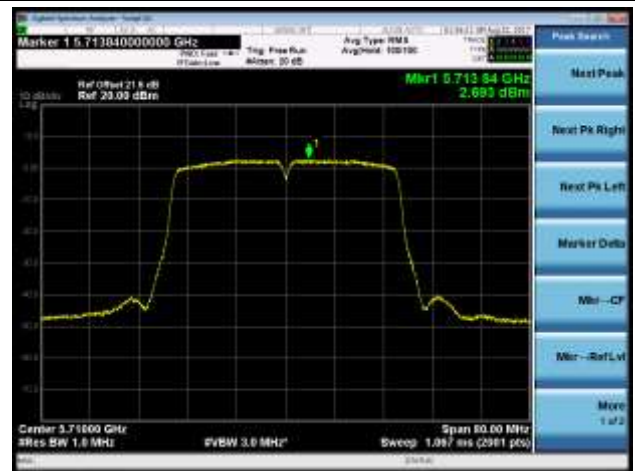


802.11n-HT40 Power Spectral Density - Ant 0 / Ant 0 + 1 + 2 + 3 (CDD Mode)

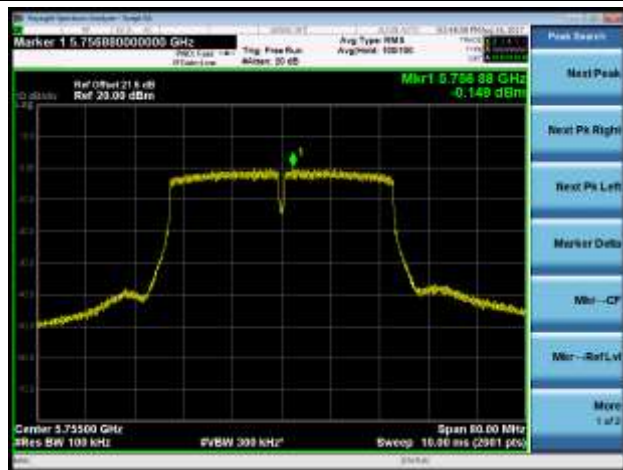
Channel 134 (5670MHz)



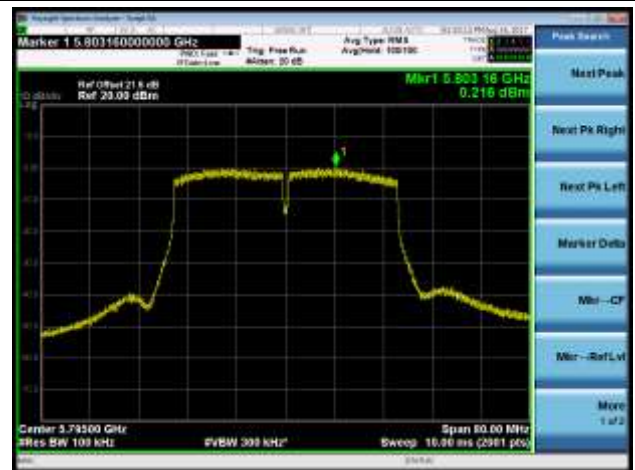
Channel 142 (5710MHz)



Channel 151 (5755MHz)



Channel 159 (5795MHz)



802.11ac-VHT20 Power Spectral Density - Ant 0 / Ant 0 + 1 + 2 + 3 (CDD Mode)

Channel 36 (5180MHz)



Channel 44 (5220MHz)



Channel 48 (5240MHz)



Channel 52 (5260MHz)



Channel 60 (5300MHz)

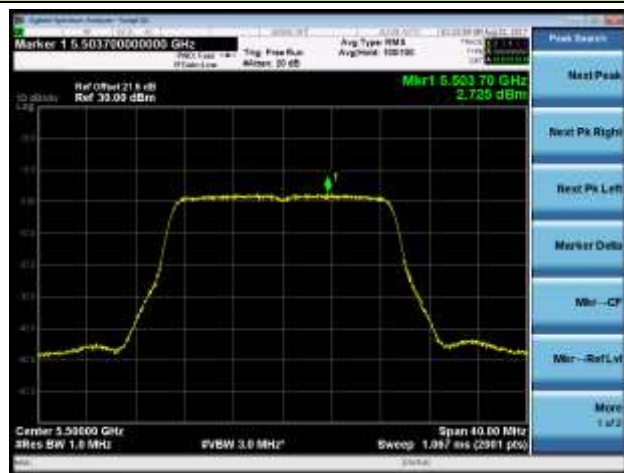


Channel 64 (5320MHz)



802.11ac-VHT20 Power Spectral Density - Ant 0 / Ant 0 + 1 + 2 + 3 (CDD Mode)

Channel 100 (5500MHz)



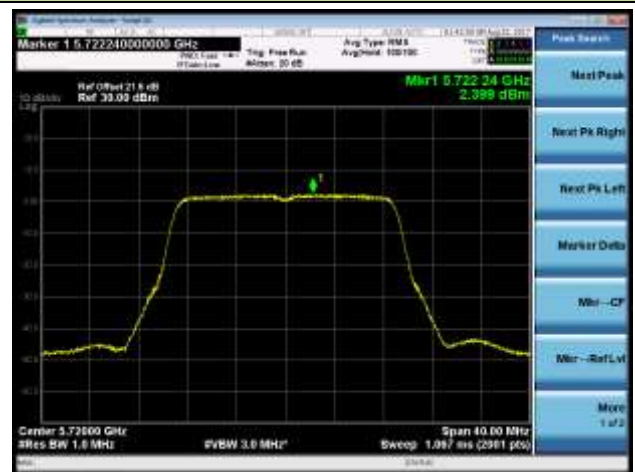
Channel 120 (5600MHz)



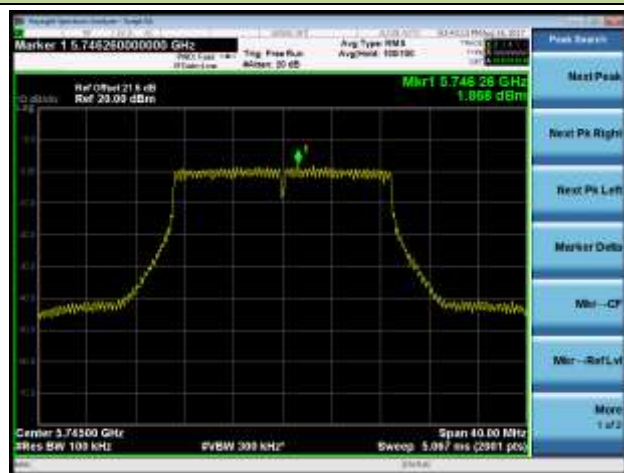
Channel 140 (5700MHz)



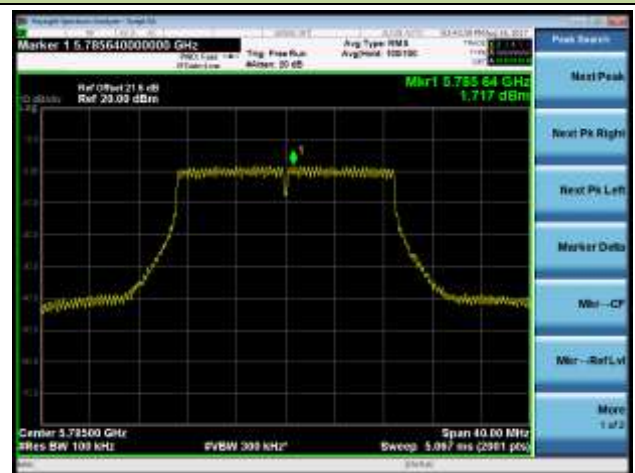
Channel 144 (5720MHz)



Channel 149 (5745MHz)

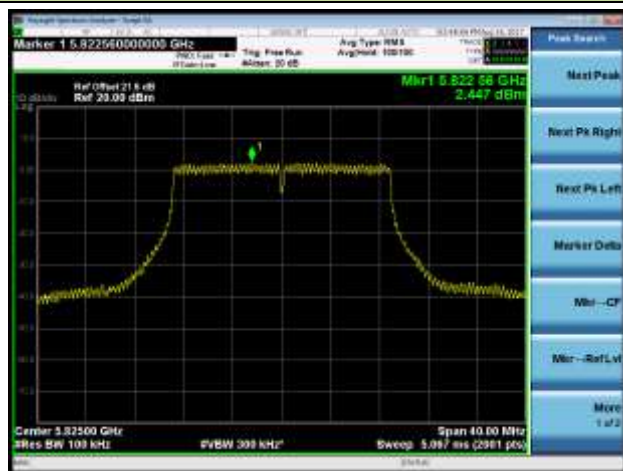


Channel 157 (5785MHz)



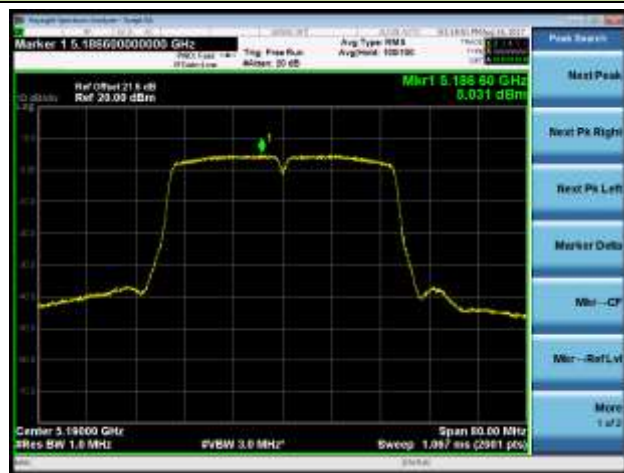
802.11ac-VHT20 Power Spectral Density - Ant 0 / Ant 0 + 1 + 2 + 3 (CDD Mode)

Channel 165 (5825MHz)

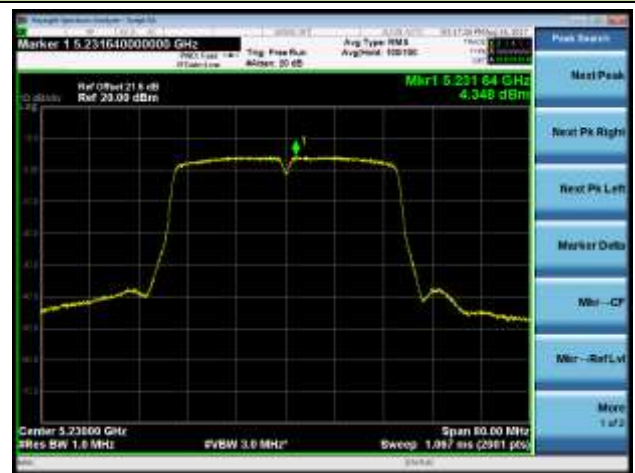


802.11ac-VHT40 Power Spectral Density - Ant 0 / Ant 0 + 1 + 2 + 3 (CDD Mode)

Channel 38 (5190MHz)



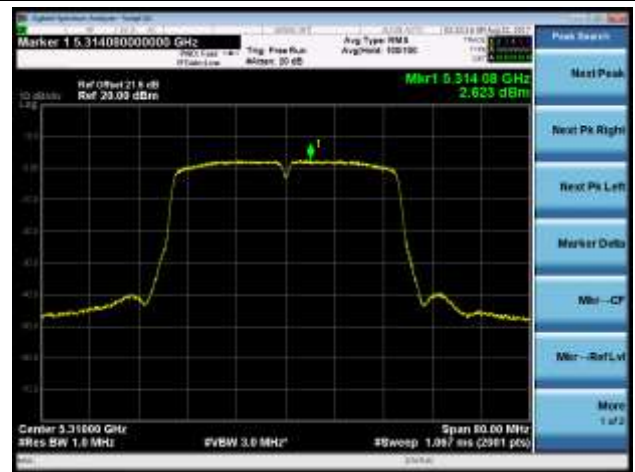
Channel 46 (5230MHz)



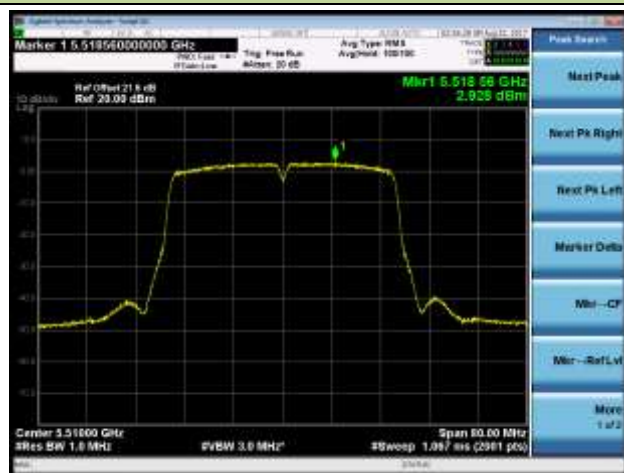
Channel 54 (5270MHz)



Channel 62 (5310MHz)



Channel 102 (5510MHz)



Channel 118 (5590MHz)



802.11ac-VHT40 Power Spectral Density - Ant 0 / Ant 0 + 1 + 2 + 3 (CDD Mode)

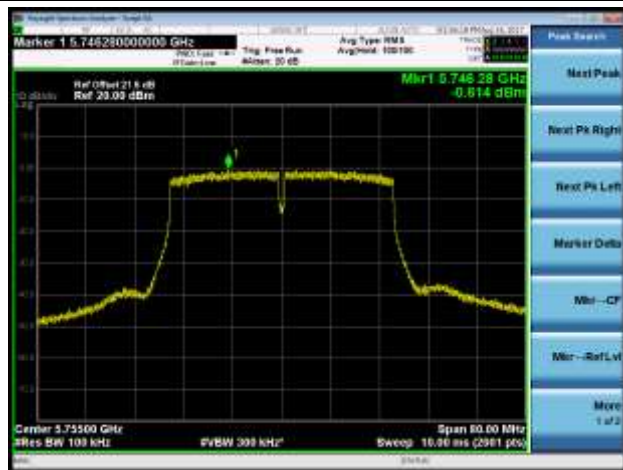
Channel 134 (5670MHz)



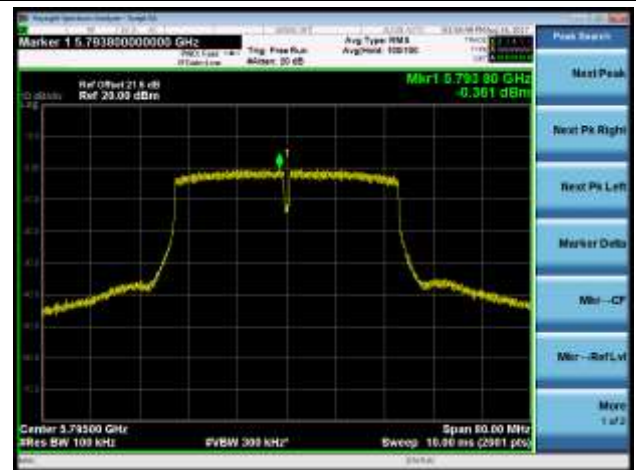
Channel 142 (5710MHz)



Channel 151 (5755MHz)

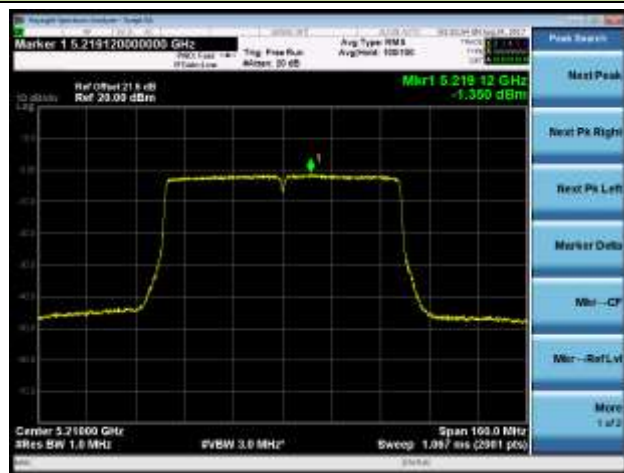


Channel 159 (5795MHz)

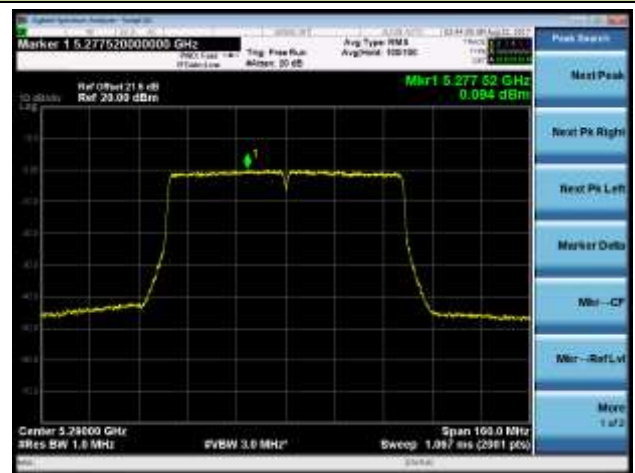


802.11ac-VHT80 Power Spectral Density - Ant 0 / Ant 0 + 1 + 2 + 3 (CDD Mode)

Channel 42 (5210MHz)



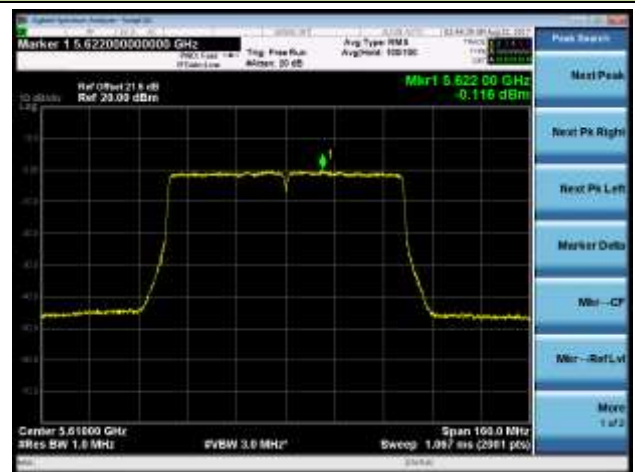
Channel 58 (5290MHz)



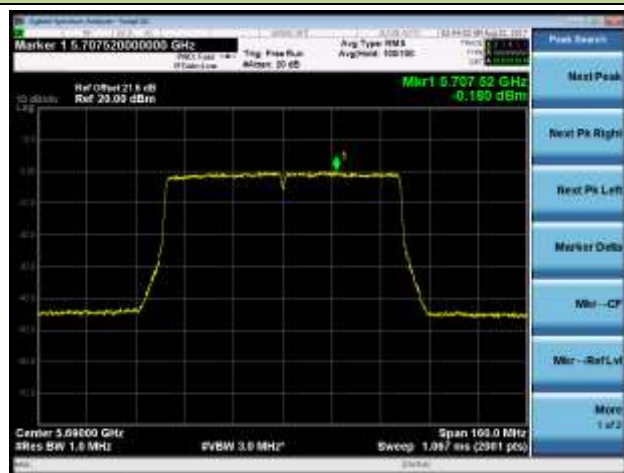
Channel 106 (5530MHz)



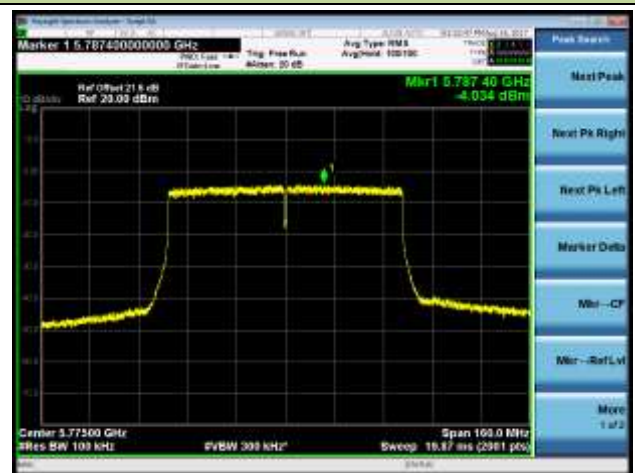
Channel 122 (5610MHz)



Channel 138 (5690MHz)

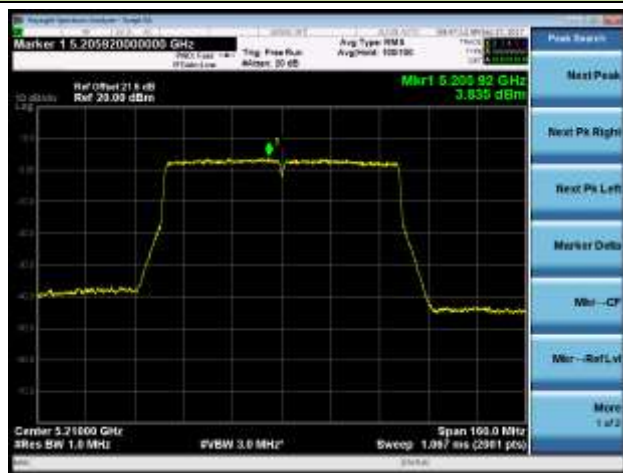


Channel 155 (5775MHz)



802.11ac-VHT80+80 Power Spectral Density - Ant 0 / Ant 0 + 1 (Ant 0 + 1 + 2 + 3) (CDD Mode)

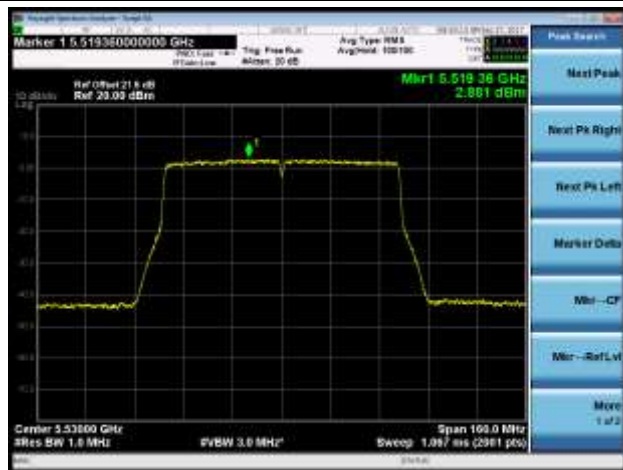
Channel 42 (5210MHz)



Channel 58 (5290MHz)



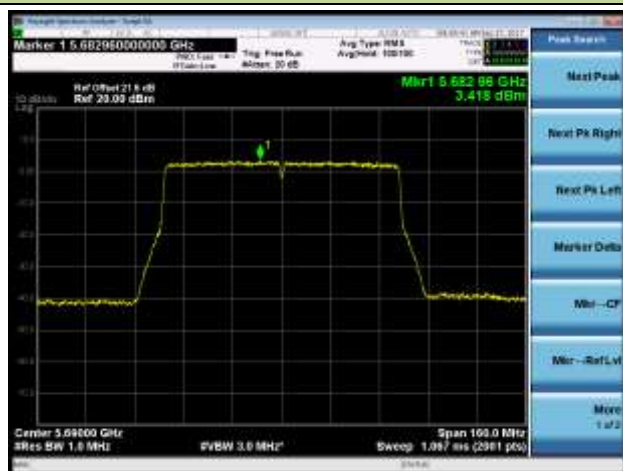
Channel 106 (5530MHz)



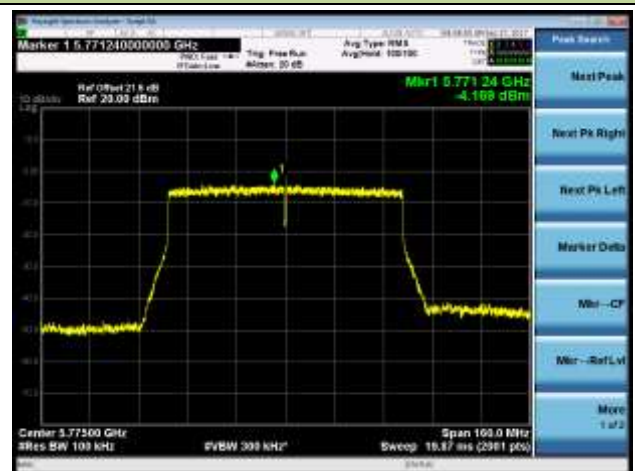
Channel 122 (5610MHz)



Channel 138 (5690MHz)

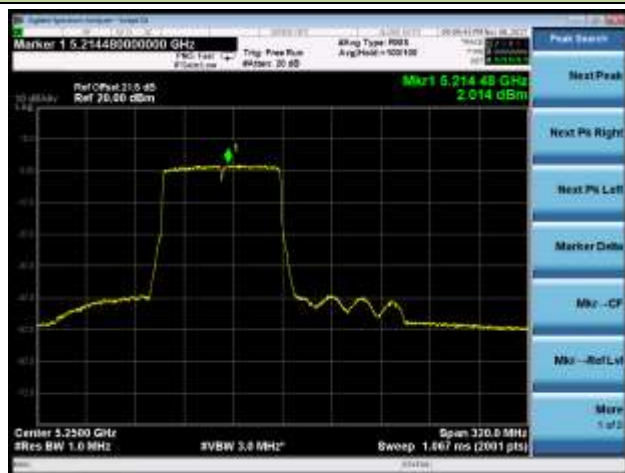


Channel 155 (5775MHz)

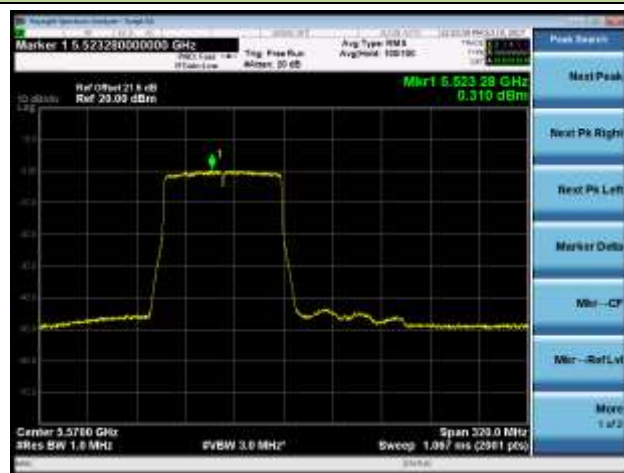


802.11ac-VHT80+80 Contiguous Power Spectral Density - Ant 0 / Ant 0 + 1 + 2 + 3 (CDD Mode)

Channel 42 (5210MHz)

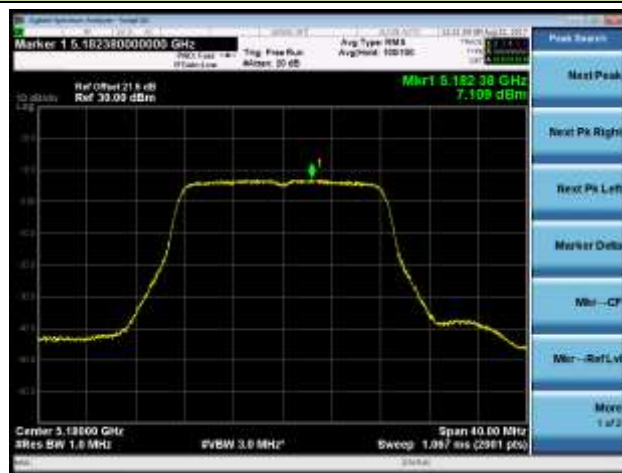


Channel 106 (5530MHz)

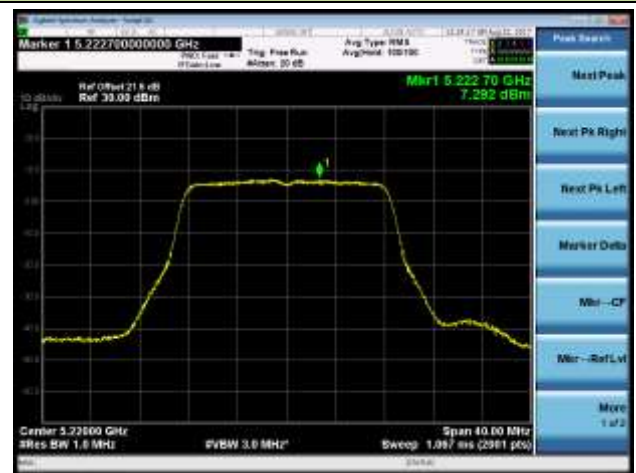


802.11a Power Spectral Density - Ant 1 / Ant 0 + 1 + 2 + 3 (CDD Mode)

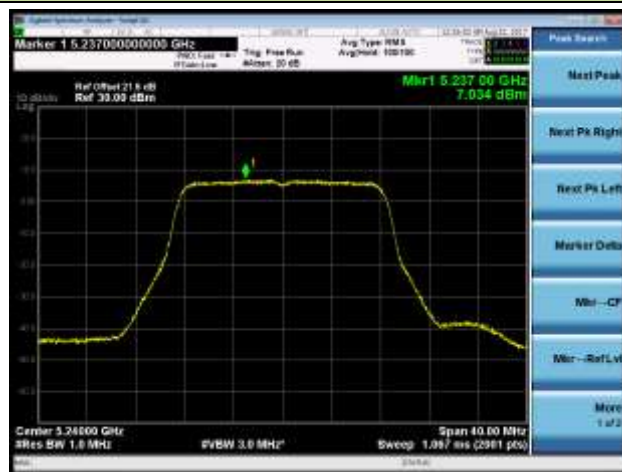
Channel 36 (5180MHz)



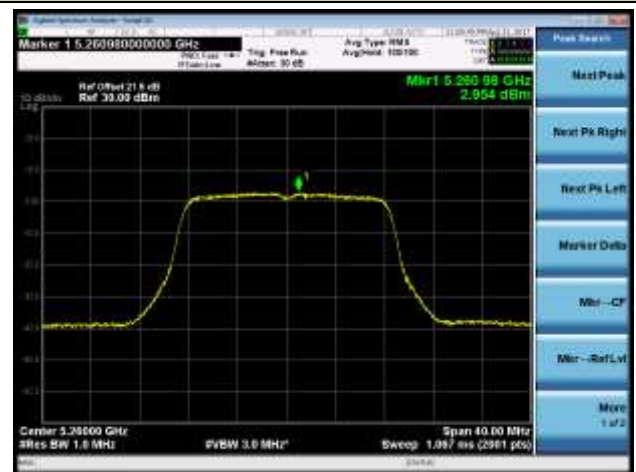
Channel 44 (5220MHz)



Channel 48 (5240MHz)



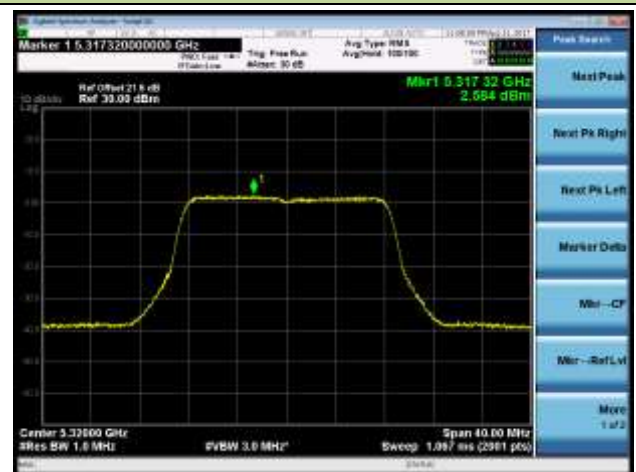
Channel 52 (5260MHz)



Channel 60 (5300MHz)



Channel 64 (5320MHz)



802.11a Power Spectral Density - Ant 1 / Ant 0 + 1 + 2 + 3 (CDD Mode)

Channel 100 (5500MHz)



Channel 120 (5600MHz)



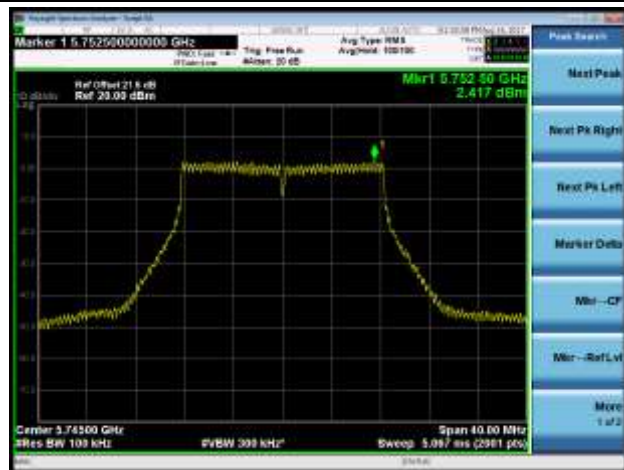
Channel 140 (5700MHz)



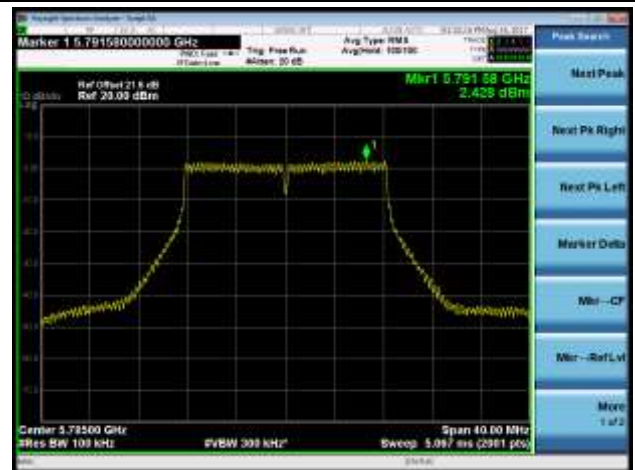
Channel 144 (5720MHz)



Channel 149 (5745MHz)

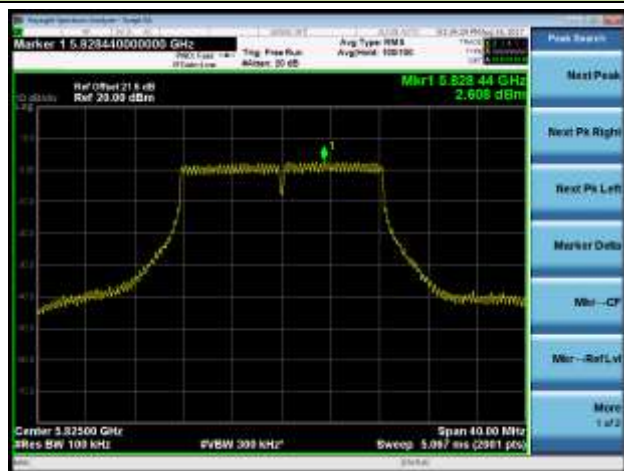


Channel 157 (5785MHz)



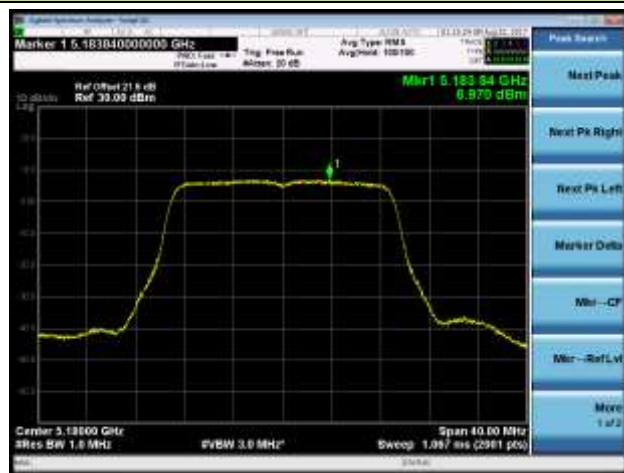
802.11a Power Spectral Density - Ant 1 / Ant 0 + 1 + 2 + 3 (CDD Mode)

Channel 165 (5825MHz)



802.11n-HT20 Power Spectral Density - Ant 1 / Ant 0 + 1 + 2 + 3 (CDD Mode)

Channel 36 (5180MHz)



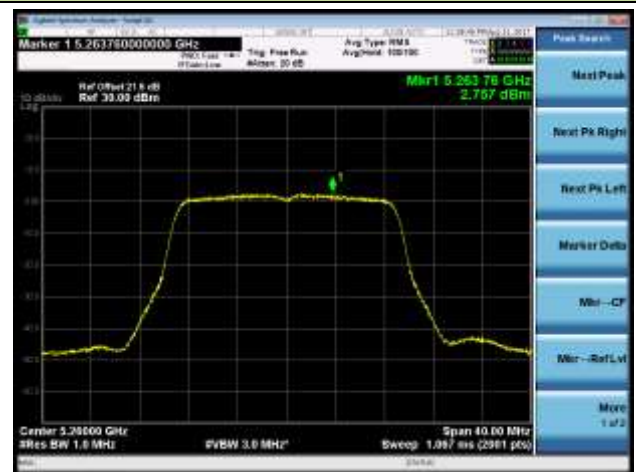
Channel 44 (5220MHz)



Channel 48 (5240MHz)



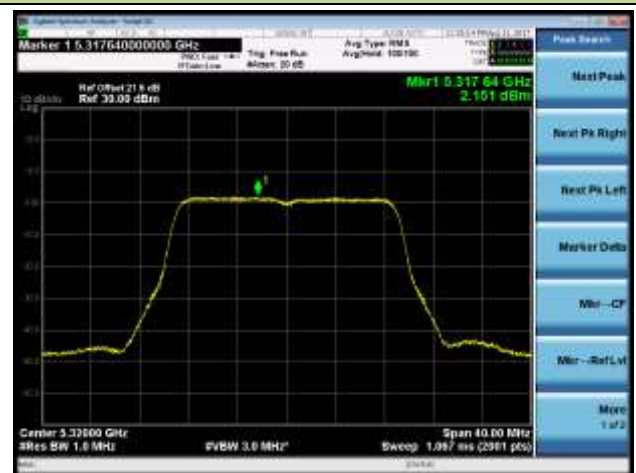
Channel 52 (5260MHz)



Channel 60 (5300MHz)



Channel 64 (5320MHz)



802.11n-HT20 Power Spectral Density - Ant 1 / Ant 0 + 1 + 2 + 3 (CDD Mode)

Channel 100 (5500MHz)



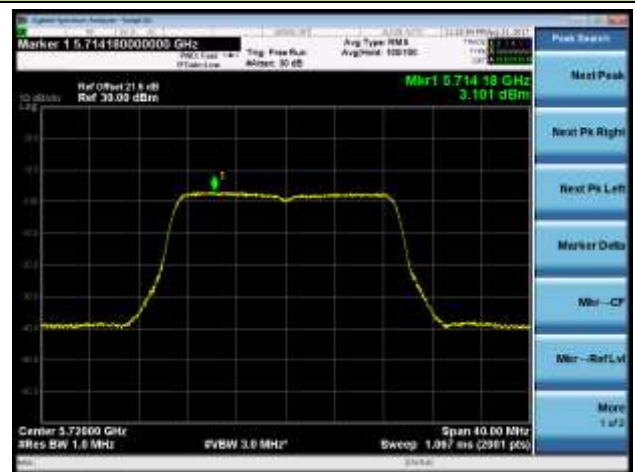
Channel 120 (5600MHz)



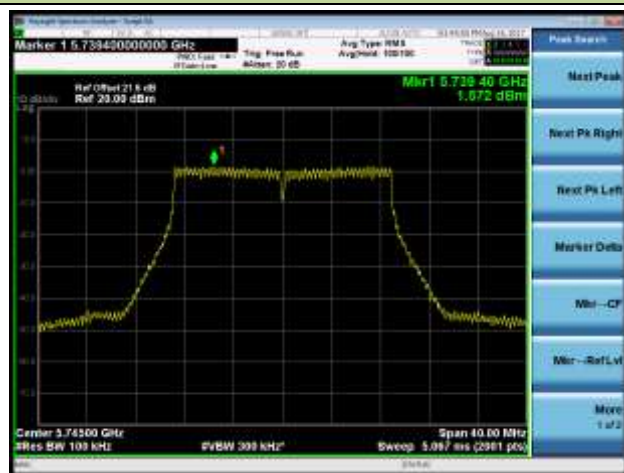
Channel 140 (5700MHz)



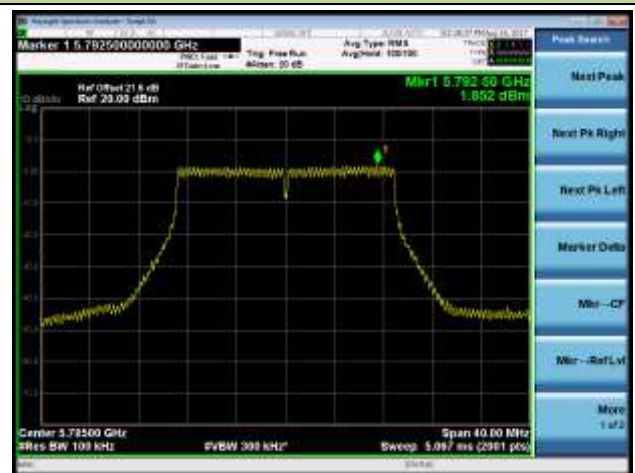
Channel 144 (5720MHz)



Channel 149 (5745MHz)

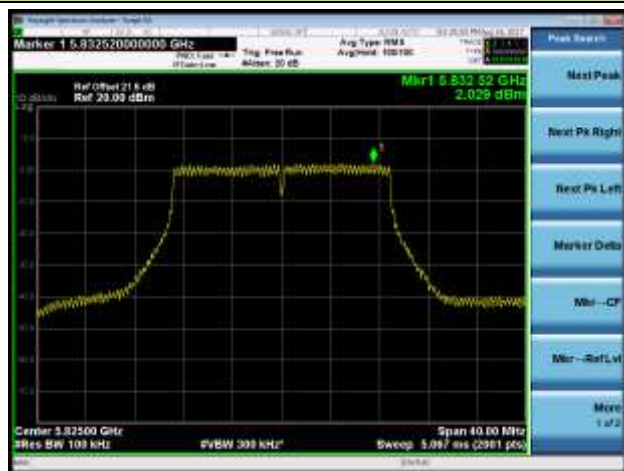


Channel 157 (5785MHz)



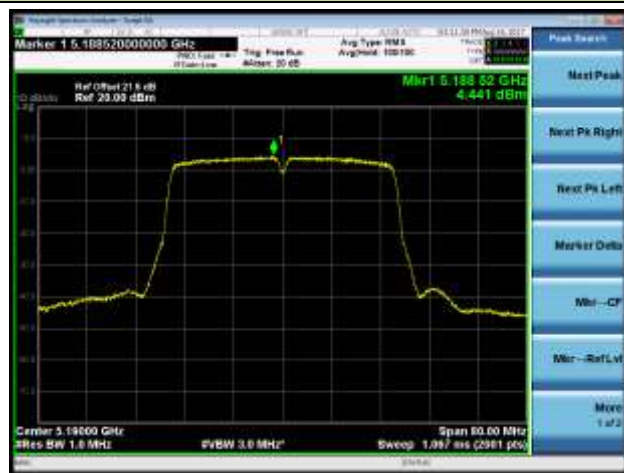
802.11n-HT20 Power Spectral Density - Ant 1 / Ant 0 + 1 + 2 + 3 (CDD Mode)

Channel 165 (5825MHz)

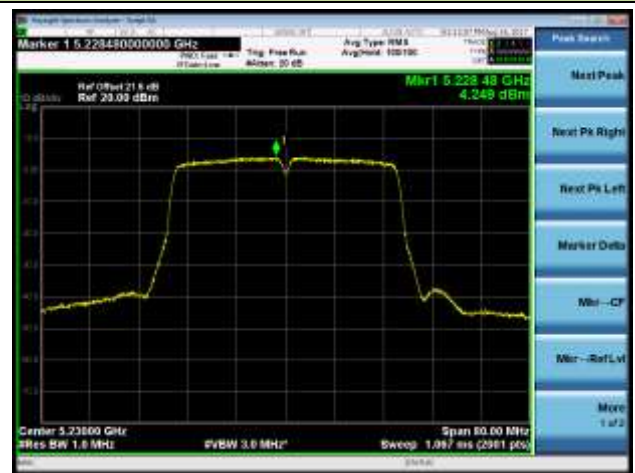


802.11n-HT40 Power Spectral Density - Ant 1 / Ant 0 + 1 + 2 + 3 (CDD Mode)

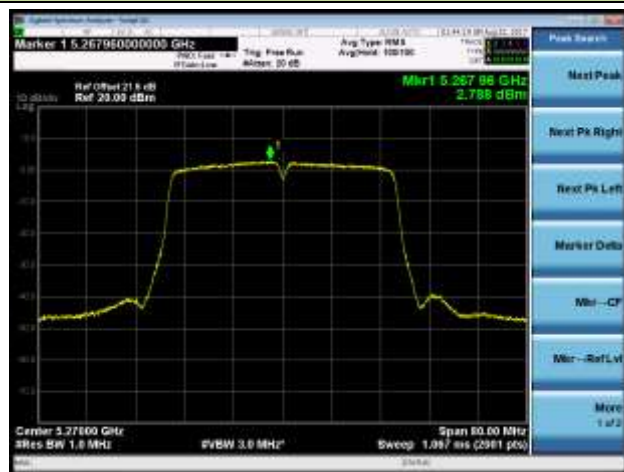
Channel 38 (5190MHz)



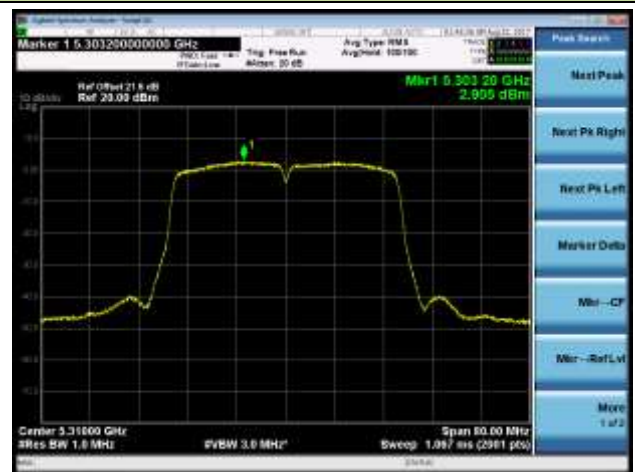
Channel 46 (5230MHz)



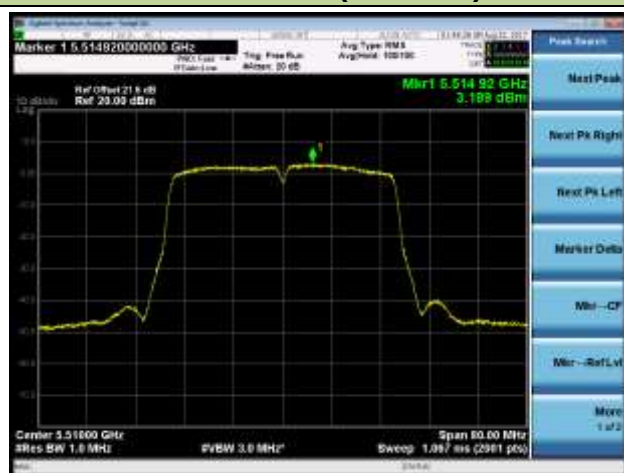
Channel 54 (5270MHz)



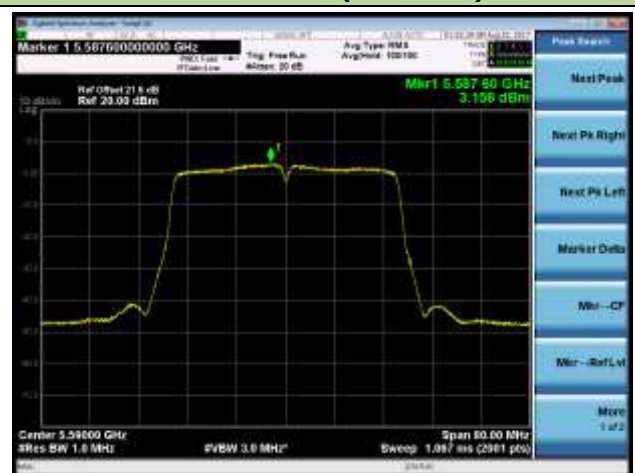
Channel 62 (5310MHz)



Channel 102 (5510MHz)



Channel 118 (5590MHz)



802.11n-HT40 Power Spectral Density - Ant 1 / Ant 0 + 1 + 2 + 3 (CDD Mode)

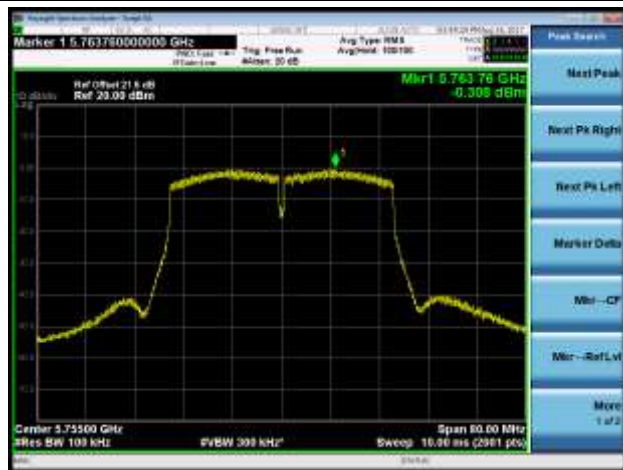
Channel 134 (5670MHz)



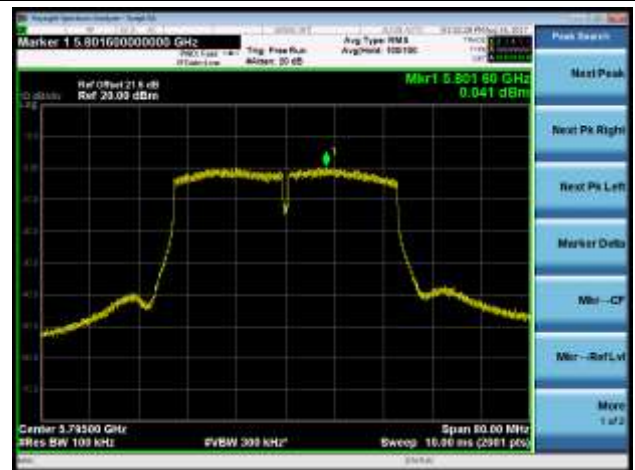
Channel 142 (5710MHz)



Channel 151 (5755MHz)

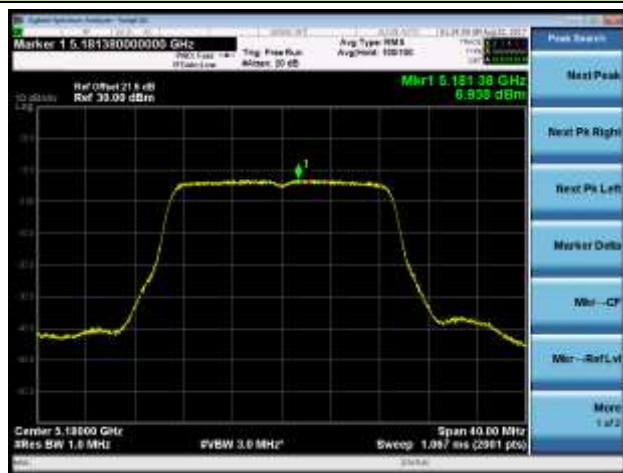


Channel 159 (5795MHz)

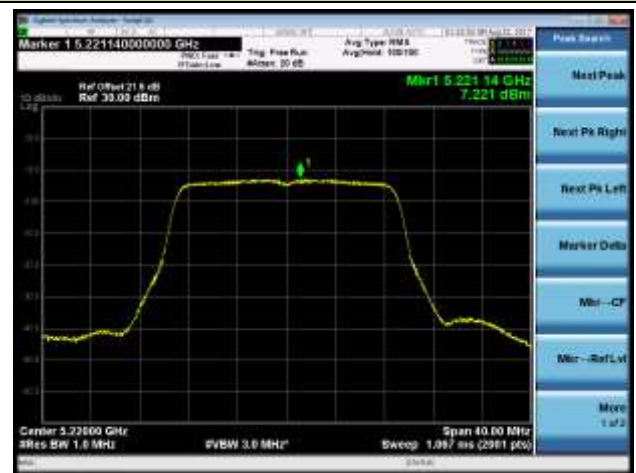


802.11ac-VHT20 Power Spectral Density - Ant 1 / Ant 0 + 1 + 2 + 3 (CDD Mode)

Channel 36 (5180MHz)



Channel 44 (5220MHz)



Channel 48 (5240MHz)



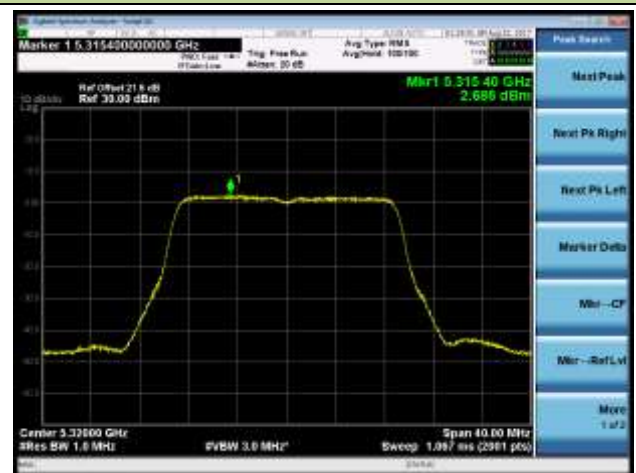
Channel 52 (5260MHz)



Channel 60 (5300MHz)

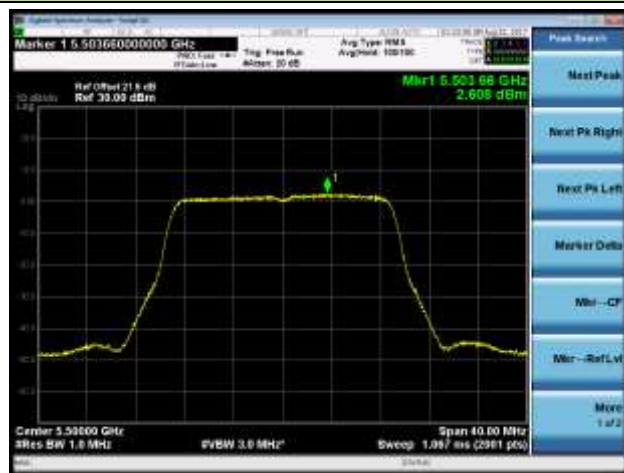


Channel 64 (5320MHz)



802.11ac-VHT20 Power Spectral Density - Ant 1 / Ant 0 + 1 + 2 + 3 (CDD Mode)

Channel 100 (5500MHz)



Channel 120 (5600MHz)



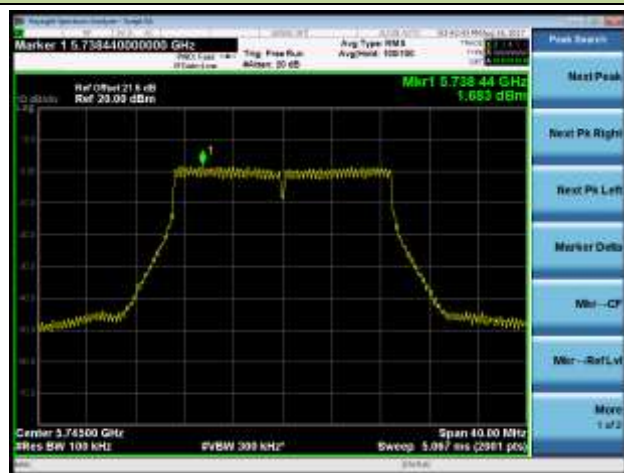
Channel 140 (5700MHz)



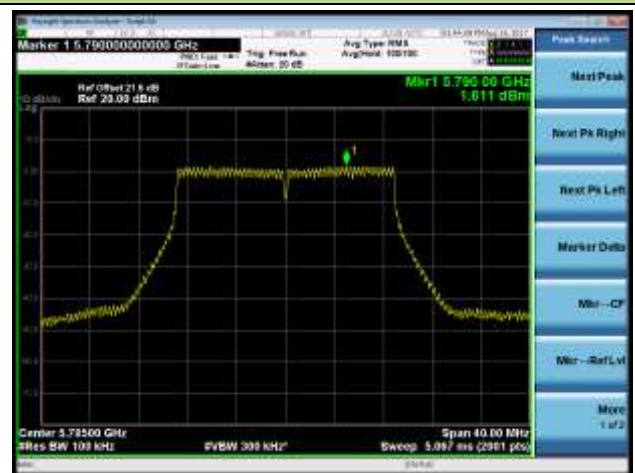
Channel 144 (5720MHz)



Channel 149 (5745MHz)



Channel 157 (5785MHz)



802.11ac-VHT20 Power Spectral Density - Ant 1 / Ant 0 + 1 + 2 + 3 (CDD Mode)

Channel 165 (5825MHz)

