

待測物名稱	AX11000 MU-MIMO 三頻電競路由器	溫度	26°C
測試工程師	Kevin Ker	濕度	57 %
測試場地	AC1	測試日期	2018/11/26
測試模式	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	測試通道	38
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8854.0	34.1	14.0	48.1	68.2	-20.1	Peak	Horizontal
*	10001.5	41.8	15.4	57.2	68.2	-11.0	Peak	Horizontal
	11132.0	33.8	18.6	52.4	74.0	-21.6	Peak	Horizontal
	12169.0	31.6	18.8	50.4	74.0	-23.6	Peak	Horizontal
*	8616.0	34.4	13.5	47.9	68.2	-20.3	Peak	Vertical
*	10001.5	37.9	15.4	53.3	68.2	-14.9	Peak	Vertical
	11149.0	34.3	18.7	53.0	74.0	-21.0	Peak	Vertical
	12135.0	33.7	18.9	52.6	74.0	-21.4	Peak	Vertical

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

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

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

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測試場地	AC1	測試日期	2018/11/26
測試模式	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	測試通道	46
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8786.0	34.5	13.9	48.4	68.2	-19.8	Peak	Horizontal
*	10001.5	40.4	15.4	55.8	68.2	-12.4	Peak	Horizontal
	10894.0	35.0	18.3	53.3	74.0	-20.7	Peak	Horizontal
	11472.0	33.1	19.3	52.4	74.0	-21.6	Peak	Horizontal
*	8854.0	35.4	14.0	49.4	68.2	-18.8	Peak	Vertical
*	10001.5	37.1	15.4	52.5	68.2	-15.7	Peak	Vertical
	10902.5	34.3	18.3	52.6	74.0	-21.4	Peak	Vertical
	11965.0	33.9	18.6	52.5	74.0	-21.5	Peak	Vertical

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

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

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

待測物名稱	AX11000 MU-MIMO 三頻電競路由 器	溫度	26°C
測試工程師	Kevin Ker	濕度	57 %
測試場地	AC1	測試日期	2018/11/29
測試模式	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3 (CDD Mode)	測試通道	54
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8633.0	34.0	13.5	47.5	68.2	-20.7	Peak	Horizontal
*	10001.5	41.3	15.4	56.7	68.2	-11.5	Peak	Horizontal
	11183.0	34.4	18.7	53.1	74.0	-20.9	Peak	Horizontal
	11659.0	33.5	19.3	52.8	74.0	-21.2	Peak	Horizontal
*	8735.0	33.8	13.9	47.7	68.2	-20.5	Peak	Vertical
*	10154.5	36.8	16.0	52.8	68.2	-15.4	Peak	Vertical
	10800.5	35.1	17.9	53.0	74.0	-21.0	Peak	Vertical
	11489.0	33.8	19.3	53.1	74.0	-20.9	Peak	Vertical

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

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

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

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測試場地	AC1	測試日期	2018/11/29
測試模式	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	測試通道	62
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8811.5	34.4	14.0	48.4	68.2	-19.8	Peak	Horizontal
*	10001.5	40.2	15.4	55.6	68.2	-12.6	Peak	Horizontal
	10843.0	35.4	18.1	53.5	74.0	-20.5	Peak	Horizontal
	12126.5	34.1	18.9	53.0	74.0	-21.0	Peak	Horizontal
*	8845.5	34.3	14.0	48.3	68.2	-19.9	Peak	Vertical
*	10001.5	37.0	15.4	52.4	68.2	-15.8	Peak	Vertical
	11421.0	33.2	19.1	52.3	74.0	-21.7	Peak	Vertical
	12177.5	33.2	18.8	52.0	74.0	-22.0	Peak	Vertical

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

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

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

待測物名稱	AX11000 MU-MIMO 三頻電競路由 器	溫度	26°C
測試工程師	Kevin Ker	濕度	57 %
測試場地	AC1	測試日期	2018/11/29
測試模式	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	測試通道	102
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8888.0	35.2	14.0	49.2	68.2	-19.0	Peak	Horizontal
*	10001.5	39.6	15.4	55.0	68.2	-13.2	Peak	Horizontal
	11234.0	34.0	18.8	52.8	74.0	-21.2	Peak	Horizontal
	12271.0	32.2	18.6	50.8	74.0	-23.2	Peak	Horizontal
*	8641.5	35.1	13.5	48.6	68.2	-19.6	Peak	Vertical
*	10001.5	39.1	15.4	54.5	68.2	-13.7	Peak	Vertical
	11123.5	35.0	18.6	53.6	74.0	-20.4	Peak	Vertical
	12067.0	34.1	18.8	52.9	74.0	-21.1	Peak	Vertical

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

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

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

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測試工程師	Kevin Ker	濕度	57 %
測試場地	AC1	測試日期	2018/11/29
測試模式	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	測試通道	118
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8709.5	34.4	13.8	48.2	68.2	-20.0	Peak	Horizontal
*	10001.5	41.3	15.4	56.7	68.2	-11.5	Peak	Horizontal
	10902.5	34.8	18.3	53.1	74.0	-20.9	Peak	Horizontal
	11871.5	33.4	18.7	52.1	74.0	-21.9	Peak	Horizontal
*	8752.0	35.0	13.9	48.9	68.2	-19.3	Peak	Vertical
*	10001.5	39.5	15.4	54.9	68.2	-13.3	Peak	Vertical
	10843.0	34.4	18.1	52.5	74.0	-21.5	Peak	Vertical
	11650.5	33.8	19.3	53.1	74.0	-20.9	Peak	Vertical

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

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

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

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測試場地	AC1	測試日期	2018/11/29
測試模式	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	測試通道	134
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8667.0	34.6	13.6	48.2	68.2	-20.0	Peak	Horizontal
*	10001.5	40.6	15.4	56.0	68.2	-12.2	Peak	Horizontal
	10911.0	35.1	18.4	53.5	74.0	-20.5	Peak	Horizontal
	11846.0	32.0	18.7	50.7	74.0	-23.3	Peak	Horizontal
*	8658.5	33.7	13.6	47.3	68.2	-20.9	Peak	Vertical
*	9942.0	35.4	15.3	50.7	68.2	-17.5	Peak	Vertical
	10860.0	34.6	18.2	52.8	74.0	-21.2	Peak	Vertical
	11480.5	33.6	19.3	52.9	74.0	-21.1	Peak	Vertical

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

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

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

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測試場地	AC1	測試日期	2018/11/26
測試模式	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	測試通道	151
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8837.0	34.0	14.0	48.0	68.2	-20.2	Peak	Horizontal
*	10001.5	39.8	15.4	55.2	68.2	-13.0	Peak	Horizontal
	10817.5	35.1	18.0	53.1	74.0	-20.9	Peak	Horizontal
	11642.0	33.2	19.4	52.6	74.0	-21.4	Peak	Horizontal
*	8777.5	34.9	13.9	48.8	68.2	-19.4	Peak	Vertical
*	10001.5	38.5	15.4	53.9	68.2	-14.3	Peak	Vertical
	11336.0	33.7	19.0	52.7	74.0	-21.3	Peak	Vertical
	12424.0	33.7	18.4	52.1	74.0	-21.9	Peak	Vertical

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

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

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

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測試工程師	Kevin Ker	濕度	57 %
測試場地	AC1	測試日期	2018/11/26
測試模式	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	測試通道	159
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8786.0	34.1	13.9	48.0	68.2	-20.2	Peak	Horizontal
*	10001.5	39.9	15.4	55.3	68.2	-12.9	Peak	Horizontal
	10834.5	36.4	18.1	54.5	74.0	-19.5	Peak	Horizontal
	11574.0	33.2	19.5	52.7	74.0	-21.3	Peak	Horizontal
*	8633.0	34.5	13.5	48.0	68.2	-20.2	Peak	Vertical
*	10001.5	38.1	15.4	53.5	68.2	-14.7	Peak	Vertical
	10792.0	35.3	17.9	53.2	74.0	-20.8	Peak	Vertical
	11693.0	33.5	19.2	52.7	74.0	-21.3	Peak	Vertical

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

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

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

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測試工程師	Kevin Ker	濕度	57 %
測試場地	AC1	測試日期	2018/11/26
測試模式	802.11ac-VHT80 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	測試通道	42
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8845.5	34.2	14.0	48.2	68.2	-20.0	Peak	Horizontal
*	10001.5	39.9	15.4	55.3	68.2	-12.9	Peak	Horizontal
	10979.0	33.9	18.5	52.4	74.0	-21.6	Peak	Horizontal
	12109.5	33.4	18.9	52.3	74.0	-21.7	Peak	Horizontal
*	8624.5	35.1	13.5	48.6	68.2	-19.6	Peak	Vertical
*	10001.5	38.0	15.4	53.4	68.2	-14.8	Peak	Vertical
	10817.5	34.9	18.0	52.9	74.0	-21.1	Peak	Vertical
	11718.5	33.4	19.0	52.4	74.0	-21.6	Peak	Vertical

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

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

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

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測試場地	AC1	測試日期	2018/11/29
測試模式	802.11ac-VHT80 - Ant 0 + 1 + 2 + 3 (CDD Mode)	測試通道	58
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8675.5	34.5	13.7	48.2	68.2	-20.0	Peak	Horizontal
*	10001.5	40.0	15.4	55.4	68.2	-12.8	Peak	Horizontal
	10987.5	34.3	18.5	52.8	74.0	-21.2	Peak	Horizontal
	11956.5	33.9	18.6	52.5	74.0	-21.5	Peak	Horizontal
*	8692.5	34.3	13.7	48.0	68.2	-20.2	Peak	Vertical
*	10001.5	36.5	15.4	51.9	68.2	-16.3	Peak	Vertical
	10877.0	35.1	18.2	53.3	74.0	-20.7	Peak	Vertical
	12390.0	34.0	18.4	52.4	74.0	-21.6	Peak	Vertical

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

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

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

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測試場地	AC1	測試日期	2018/11/29
測試模式	802.11ac-VHT80 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	測試通道	106
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8726.5	33.9	13.8	47.7	68.2	-20.5	Peak	Horizontal
*	10001.5	40.6	15.4	56.0	68.2	-12.2	Peak	Horizontal
	11302.0	34.4	18.9	53.3	74.0	-20.7	Peak	Horizontal
	12288.0	33.9	18.6	52.5	74.0	-21.5	Peak	Horizontal
*	8837.0	34.0	14.0	48.0	68.2	-20.2	Peak	Vertical
*	10001.5	38.7	15.4	54.1	68.2	-14.1	Peak	Vertical
	10877.0	35.5	18.2	53.7	74.0	-20.3	Peak	Vertical
	12152.0	33.5	18.9	52.4	74.0	-21.6	Peak	Vertical

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

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

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

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測試場地	AC1	測試日期	2018/11/29
測試模式	802.11ac-VHT80 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	測試通道	122
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8777.5	34.9	13.9	48.8	68.2	-19.4	Peak	Horizontal
*	10001.5	39.6	15.4	55.0	68.2	-13.2	Peak	Horizontal
	11123.5	34.3	18.6	52.9	74.0	-21.1	Peak	Horizontal
	12271.0	32.1	18.6	50.7	74.0	-23.3	Peak	Horizontal
*	8794.5	34.7	13.9	48.6	68.2	-19.6	Peak	Vertical
*	10477.5	34.8	17.1	51.9	68.2	-16.3	Peak	Vertical
	11565.5	33.3	19.5	52.8	74.0	-21.2	Peak	Vertical
	11786.5	31.6	18.8	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)

待測物名稱	AX11000 MU-MIMO 三頻電競路由 器	溫度	26°C
測試工程師	Kevin Ker	濕度	57 %
測試場地	AC1	測試日期	2018/11/26
測試模式	802.11ac-VHT80 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	測試通道	155
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8862.5	34.9	14.0	48.9	68.2	-19.3	Peak	Horizontal
*	10001.5	40.4	15.4	55.8	68.2	-12.4	Peak	Horizontal
	11225.5	34.2	18.8	53.0	74.0	-21.0	Peak	Horizontal
	12126.5	33.6	18.9	52.5	74.0	-21.5	Peak	Horizontal
*	8871.0	34.4	14.0	48.4	68.2	-19.8	Peak	Vertical
*	10001.5	37.2	15.4	52.6	68.2	-15.6	Peak	Vertical
	11319.0	34.0	18.9	52.9	74.0	-21.1	Peak	Vertical
	12424.0	34.3	18.4	52.7	74.0	-21.3	Peak	Vertical

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

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

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

待測物名稱	AX11000 MU-MIMO 三頻電競路由器	溫度	26°C
測試工程師	Kevin Ker	濕度	57 %
測試場地	AC1	測試日期	2018/11/29
測試模式	802.11ac-VHT160 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	測試通道	50
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8845.5	34.5	14.0	48.5	68.2	-19.7	Peak	Horizontal
*	10001.5	39.8	15.4	55.2	68.2	-13.0	Peak	Horizontal
	10894.0	34.2	18.3	52.5	74.0	-21.5	Peak	Horizontal
	11684.5	33.8	19.2	53.0	74.0	-21.0	Peak	Horizontal
*	8862.5	34.7	14.0	48.7	68.2	-19.5	Peak	Vertical
*	10001.5	37.6	15.4	53.0	68.2	-15.2	Peak	Vertical
	10877.0	35.0	18.2	53.2	74.0	-20.8	Peak	Vertical
	11642.0	32.8	19.4	52.2	74.0	-21.8	Peak	Vertical

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

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

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

待測物名稱	AX11000 MU-MIMO 三頻電競路由器	溫度	26°C
測試工程師	Kevin Ker	濕度	57 %
測試場地	AC1	測試日期	2018/11/29
測試模式	802.11ac-VHT160 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	測試通道	114
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8735.0	34.3	13.9	48.2	68.2	-20.0	Peak	Horizontal
*	10001.5	39.6	15.4	55.0	68.2	-13.2	Peak	Horizontal
	10928.0	34.3	18.4	52.7	74.0	-21.3	Peak	Horizontal
	12169.0	32.3	18.8	51.1	74.0	-22.9	Peak	Horizontal
*	8709.5	34.5	13.8	48.3	68.2	-19.9	Peak	Vertical
*	10001.5	36.9	15.4	52.3	68.2	-15.9	Peak	Vertical
	11421.0	33.9	19.1	53.0	74.0	-21.0	Peak	Vertical
	12007.5	33.0	18.7	51.7	74.0	-22.3	Peak	Vertical

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

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

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

待測物名稱	AX11000 MU-MIMO 三頻電競路由器	溫度	26°C
測試工程師	Kevin Ker	濕度	57 %
測試場地	AC1	測試日期	2018/11/26
測試模式	802.11ax-HE20 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	測試通道	36
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8735.0	33.7	13.9	47.6	68.2	-20.6	Peak	Horizontal
*	10001.5	40.7	15.4	56.1	68.2	-12.1	Peak	Horizontal
	11038.5	34.1	18.5	52.6	74.0	-21.4	Peak	Horizontal
	11684.5	33.6	19.2	52.8	74.0	-21.2	Peak	Horizontal
*	8675.5	34.8	13.7	48.5	68.2	-19.7	Peak	Vertical
*	9823.0	35.0	15.6	50.6	68.2	-17.6	Peak	Vertical
	11038.5	32.5	18.5	51.0	74.0	-23.0	Peak	Vertical
	11548.5	34.0	19.4	53.4	74.0	-20.6	Peak	Vertical

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

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

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

待測物名稱	AX11000 MU-MIMO 三頻電競路由器	溫度	26°C
測試工程師	Kevin Ker	濕度	57 %
測試場地	AC1	測試日期	2018/11/26
測試模式	802.11ax-HE20 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	測試通道	44
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8811.5	33.9	14.0	47.9	68.2	-20.3	Peak	Horizontal
*	10001.5	41.1	15.4	56.5	68.2	-11.7	Peak	Horizontal
	10843.0	35.1	18.1	53.2	74.0	-20.8	Peak	Horizontal
	11395.5	33.6	19.1	52.7	74.0	-21.3	Peak	Horizontal
*	8658.5	35.0	13.6	48.6	68.2	-19.6	Peak	Vertical
*	10001.5	38.3	15.4	53.7	68.2	-14.5	Peak	Vertical
	11115.0	34.2	18.6	52.8	74.0	-21.2	Peak	Vertical
	11956.5	33.7	18.6	52.3	74.0	-21.7	Peak	Vertical

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

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

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

待測物名稱	AX11000 MU-MIMO 三頻電競路由 器	溫度	26°C
測試工程師	Kevin Ker	濕度	57 %
測試場地	AC1	測試日期	2018/11/26
測試模式	802.11ax-HE20 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	測試通道	48
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8845.5	35.3	14.0	49.3	68.2	-18.9	Peak	Horizontal
*	10001.5	41.5	15.4	56.9	68.2	-11.3	Peak	Horizontal
	11395.5	33.6	19.1	52.7	74.0	-21.3	Peak	Horizontal
	12135.0	33.0	18.9	51.9	74.0	-22.1	Peak	Horizontal
*	8769.0	33.6	13.9	47.5	68.2	-20.7	Peak	Vertical
*	10001.5	38.8	15.4	54.2	68.2	-14.0	Peak	Vertical
	10885.5	34.9	18.3	53.2	74.0	-20.8	Peak	Vertical
	11557.0	33.6	19.5	53.1	74.0	-20.9	Peak	Vertical

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

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

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

待測物名稱	AX11000 MU-MIMO 三頻電競路由 器	溫度	26°C
測試工程師	Kevin Ker	濕度	57 %
測試場地	AC1	測試日期	2018/11/29
測試模式	802.11ax-HE20 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	測試通道	52
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8675.5	32.9	13.7	46.6	68.2	-21.6	Peak	Horizontal
*	10001.5	40.7	15.4	56.1	68.2	-12.1	Peak	Horizontal
	11463.5	34.3	19.3	53.6	74.0	-20.4	Peak	Horizontal
	11948.0	31.8	18.6	50.4	74.0	-23.6	Peak	Horizontal
*	8828.5	34.9	14.0	48.9	68.2	-19.3	Peak	Vertical
*	10001.5	38.6	15.4	54.0	68.2	-14.2	Peak	Vertical
	10945.0	34.9	18.4	53.3	74.0	-20.7	Peak	Vertical
	11489.0	34.3	19.3	53.6	74.0	-20.4	Peak	Vertical

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

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

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

待測物名稱	AX11000 MU-MIMO 三頻電競路由 器	溫度	26°C
測試工程師	Kevin Ker	濕度	57 %
測試場地	AC1	測試日期	2018/11/29
測試模式	802.11ax-HE20 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	測試通道	60
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8862.5	34.2	14.0	48.2	68.2	-20.0	Peak	Horizontal
*	10001.5	39.1	15.4	54.5	68.2	-13.7	Peak	Horizontal
	10834.5	34.4	18.1	52.5	74.0	-21.5	Peak	Horizontal
	11378.5	33.7	19.1	52.8	74.0	-21.2	Peak	Horizontal
*	8854.0	35.0	14.0	49.0	68.2	-19.2	Peak	Vertical
*	10001.5	37.1	15.4	52.5	68.2	-15.7	Peak	Vertical
	10800.5	35.6	17.9	53.5	74.0	-20.5	Peak	Vertical
	12101.0	33.8	18.9	52.7	74.0	-21.3	Peak	Vertical

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

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

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

待測物名稱	AX11000 MU-MIMO 三頻電競路由器	溫度	26°C
測試工程師	Kevin Ker	濕度	57 %
測試場地	AC1	測試日期	2018/11/29
測試模式	802.11ax-HE20 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	測試通道	64
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8845.5	35.0	14.0	49.0	68.2	-19.2	Peak	Horizontal
*	10001.5	40.3	15.4	55.7	68.2	-12.5	Peak	Horizontal
	11200.0	34.0	18.7	52.7	74.0	-21.3	Peak	Horizontal
	12007.5	33.5	18.7	52.2	74.0	-21.8	Peak	Horizontal
*	8854.0	34.5	14.0	48.5	68.2	-19.7	Peak	Vertical
*	10001.5	36.9	15.4	52.3	68.2	-15.9	Peak	Vertical
	10962.0	34.5	18.4	52.9	74.0	-21.1	Peak	Vertical
	12211.5	34.6	18.8	53.4	74.0	-20.6	Peak	Vertical

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

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

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

待測物名稱	AX11000 MU-MIMO 三頻電競路由 器	溫度	26°C
測試工程師	Kevin Ker	濕度	57 %
測試場地	AC1	測試日期	2018/11/29
測試模式	802.11ax-HE20 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	測試通道	100
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8879.5	34.6	14.0	48.6	68.2	-19.6	Peak	Horizontal
*	10001.5	41.1	15.4	56.5	68.2	-11.7	Peak	Horizontal
	11072.5	34.2	18.6	52.8	74.0	-21.2	Peak	Horizontal
	12152.0	32.9	18.9	51.8	74.0	-22.2	Peak	Horizontal
*	8854.0	34.1	14.0	48.1	68.2	-20.1	Peak	Vertical
*	10001.5	37.9	15.4	53.3	68.2	-14.9	Peak	Vertical
	10766.5	36.0	17.7	53.7	74.0	-20.3	Peak	Vertical
	12279.5	34.6	18.6	53.2	74.0	-20.8	Peak	Vertical

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

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

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

待測物名稱	AX11000 MU-MIMO 三頻電競路由器	溫度	26°C
測試工程師	Kevin Ker	濕度	57 %
測試場地	AC1	測試日期	2018/11/29
測試模式	802.11ax-HE20 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	測試通道	120
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8692.5	35.3	13.7	49.0	68.2	-19.2	Peak	Horizontal
*	10001.5	39.9	15.4	55.3	68.2	-12.9	Peak	Horizontal
	11106.5	33.9	18.6	52.5	74.0	-21.5	Peak	Horizontal
	12177.5	33.5	18.8	52.3	74.0	-21.7	Peak	Horizontal
*	8922.0	34.9	14.0	48.9	68.2	-19.3	Peak	Vertical
*	10001.5	37.8	15.4	53.2	68.2	-15.0	Peak	Vertical
	10996.0	34.9	18.5	53.4	74.0	-20.6	Peak	Vertical
	11684.5	33.2	19.2	52.4	74.0	-21.6	Peak	Vertical

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

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

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

待測物名稱	AX11000 MU-MIMO 三頻電競路由 器	溫度	26°C
測試工程師	Kevin Ker	濕度	57 %
測試場地	AC1	測試日期	2018/11/29
測試模式	802.11ax-HE20 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	測試通道	140
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8811.5	34.8	14.0	48.8	68.2	-19.4	Peak	Horizontal
*	10001.5	40.6	15.4	56.0	68.2	-12.2	Peak	Horizontal
	11115.0	33.7	18.6	52.3	74.0	-21.7	Peak	Horizontal
	12160.5	33.6	18.9	52.5	74.0	-21.5	Peak	Horizontal
*	8769.0	33.4	13.9	47.3	68.2	-20.9	Peak	Vertical
*	10112.0	34.8	15.8	50.6	68.2	-17.6	Peak	Vertical
	10715.5	34.9	17.5	52.4	74.0	-21.6	Peak	Vertical
	11404.0	34.6	19.1	53.7	74.0	-20.3	Peak	Vertical

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

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

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

待測物名稱	AX11000 MU-MIMO 三頻電競路由 器	溫度	26°C
測試工程師	Kevin Ker	濕度	57 %
測試場地	AC1	測試日期	2018/11/26
測試模式	802.11ax-HE20 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	測試通道	149
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8684.0	35.8	13.7	49.5	68.2	-18.7	Peak	Horizontal
*	10001.5	40.9	15.4	56.3	68.2	-11.9	Peak	Horizontal
	11438.0	33.8	19.2	53.0	74.0	-21.0	Peak	Horizontal
	11922.5	34.8	18.6	53.4	74.0	-20.6	Peak	Horizontal
*	8624.5	34.6	13.5	48.1	68.2	-20.1	Peak	Vertical
*	9950.5	35.1	15.3	50.4	68.2	-17.8	Peak	Vertical
	11421.0	34.4	19.1	53.5	74.0	-20.5	Peak	Vertical
	12432.5	33.6	18.4	52.0	74.0	-22.0	Peak	Vertical

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

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

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

待測物名稱	AX11000 MU-MIMO 三頻電競路由器	溫度	26°C
測試工程師	Kevin Ker	濕度	57 %
測試場地	AC1	測試日期	2018/11/26
測試模式	802.11ax-HE20 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	測試通道	157
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8599.0	36.3	13.4	49.7	68.2	-18.5	Peak	Horizontal
*	10001.5	40.5	15.4	55.9	68.2	-12.3	Peak	Horizontal
	11123.5	33.7	18.6	52.3	74.0	-21.7	Peak	Horizontal
	12271.0	33.2	18.6	51.8	74.0	-22.2	Peak	Horizontal
*	8684.0	34.3	13.7	48.0	68.2	-20.2	Peak	Vertical
*	10171.5	34.4	16.1	50.5	68.2	-17.7	Peak	Vertical
	10877.0	33.1	18.2	51.3	74.0	-22.7	Peak	Vertical
	12016.0	34.0	18.7	52.7	74.0	-21.3	Peak	Vertical

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

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

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

待測物名稱	AX11000 MU-MIMO 三頻電競路由器	溫度	26°C
測試工程師	Kevin Ker	濕度	57 %
測試場地	AC1	測試日期	2018/11/26
測試模式	802.11ax-HE20 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	測試通道	165
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8743.5	34.0	13.9	47.9	68.2	-20.3	Peak	Horizontal
*	10001.5	39.8	15.4	55.2	68.2	-13.0	Peak	Horizontal
	11548.5	34.3	19.4	53.7	74.0	-20.3	Peak	Horizontal
	12194.5	33.2	18.8	52.0	74.0	-22.0	Peak	Horizontal
*	8820.0	34.3	14.0	48.3	68.2	-19.9	Peak	Vertical
*	10001.5	37.9	15.4	53.3	68.2	-14.9	Peak	Vertical
	10970.5	32.4	18.4	50.8	74.0	-23.2	Peak	Vertical
	11735.5	31.7	19.0	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)

待測物名稱	AX11000 MU-MIMO 三頻電競路由器	溫度	26°C
測試工程師	Kevin Ker	濕度	57 %
測試場地	AC1	測試日期	2018/11/26
測試模式	802.11ax-HE40 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	測試通道	38
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8726.5	34.0	13.8	47.8	68.2	-20.4	Peak	Horizontal
*	10001.5	41.2	15.4	56.6	68.2	-11.6	Peak	Horizontal
	11404.0	33.9	19.1	53.0	74.0	-21.0	Peak	Horizontal
	12645.0	33.7	18.7	52.4	74.0	-21.6	Peak	Horizontal
*	8692.5	35.0	13.7	48.7	68.2	-19.5	Peak	Vertical
*	10001.5	38.8	15.4	54.2	68.2	-14.0	Peak	Vertical
	11183.0	34.0	18.7	52.7	74.0	-21.3	Peak	Vertical
	12135.0	33.8	18.9	52.7	74.0	-21.3	Peak	Vertical

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

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

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

待測物名稱	AX11000 MU-MIMO 三頻電競路由器	溫度	26°C
測試工程師	Kevin Ker	濕度	57 %
測試場地	AC1	測試日期	2018/11/26
測試模式	802.11ax-HE40 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	測試通道	46
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8692.5	33.0	13.7	46.7	68.2	-21.5	Peak	Horizontal
*	9772.0	34.5	14.9	49.4	68.2	-18.8	Peak	Horizontal
	11310.5	33.9	18.9	52.8	74.0	-21.2	Peak	Horizontal
	12152.0	33.9	18.9	52.8	74.0	-21.2	Peak	Horizontal
*	8820.0	34.7	14.0	48.7	68.2	-19.5	Peak	Vertical
*	10001.5	39.6	15.4	55.0	68.2	-13.2	Peak	Vertical
	10826.0	34.6	18.0	52.6	74.0	-21.4	Peak	Vertical
	11599.5	34.2	19.4	53.6	74.0	-20.4	Peak	Vertical

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

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

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

待測物名稱	AX11000 MU-MIMO 三頻電競路由器	溫度	26°C
測試工程師	Kevin Ker	濕度	57 %
測試場地	AC1	測試日期	2018/11/29
測試模式	802.11ax-HE40 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	測試通道	54
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8616.0	33.6	13.5	47.1	68.2	-21.1	Peak	Horizontal
*	10001.5	40.8	15.4	56.2	68.2	-12.0	Peak	Horizontal
	11395.5	34.2	19.1	53.3	74.0	-20.7	Peak	Horizontal
	11786.5	32.5	18.8	51.3	74.0	-22.7	Peak	Horizontal
*	8803.0	33.7	14.0	47.7	68.2	-20.5	Peak	Vertical
*	10001.5	39.0	15.4	54.4	68.2	-13.8	Peak	Vertical
	11574.0	33.4	19.5	52.9	74.0	-21.1	Peak	Vertical
	11948.0	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)

待測物名稱	AX11000 MU-MIMO 三頻電競路由器	溫度	26°C
測試工程師	Kevin Ker	濕度	57 %
測試場地	AC1	測試日期	2018/11/29
測試模式	802.11ax-HE40 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	測試通道	62
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8828.5	35.7	14.0	49.7	68.2	-18.5	Peak	Horizontal
*	10001.5	41.6	15.4	57.0	68.2	-11.2	Peak	Horizontal
	11378.5	33.9	19.1	53.0	74.0	-21.0	Peak	Horizontal
	12041.5	33.9	18.8	52.7	74.0	-21.3	Peak	Horizontal
*	8692.5	33.0	13.7	46.7	68.2	-21.5	Peak	Vertical
*	9899.5	33.5	15.4	48.9	68.2	-19.3	Peak	Vertical
	10792.0	34.4	17.9	52.3	74.0	-21.7	Peak	Vertical
	11642.0	33.2	19.4	52.6	74.0	-21.4	Peak	Vertical

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

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

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

待測物名稱	AX11000 MU-MIMO 三頻電競路由 器	溫度	26°C
測試工程師	Kevin Ker	濕度	57 %
測試場地	AC1	測試日期	2018/11/29
測試模式	802.11ax-HE40 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	測試通道	102
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8879.5	35.6	14.0	49.6	68.2	-18.6	Peak	Horizontal
*	10001.5	40.2	15.4	55.6	68.2	-12.6	Peak	Horizontal
	10843.0	34.3	18.1	52.4	74.0	-21.6	Peak	Horizontal
	12016.0	33.9	18.7	52.6	74.0	-21.4	Peak	Horizontal
*	8658.5	33.0	13.6	46.6	68.2	-21.6	Peak	Vertical
*	10214.0	34.6	16.3	50.9	68.2	-17.3	Peak	Vertical
	11463.5	33.5	19.3	52.8	74.0	-21.2	Peak	Vertical
	12271.0	33.6	18.6	52.2	74.0	-21.8	Peak	Vertical

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

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

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

待測物名稱	AX11000 MU-MIMO 三頻電競路由 器	溫度	26°C
測試工程師	Kevin Ker	濕度	57 %
測試場地	AC1	測試日期	2018/11/29
測試模式	802.11ax-HE40 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	測試通道	118
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8701.0	34.5	13.8	48.3	68.2	-19.9	Peak	Horizontal
*	10001.5	41.2	15.4	56.6	68.2	-11.6	Peak	Horizontal
	11472.0	33.6	19.3	52.9	74.0	-21.1	Peak	Horizontal
	12364.5	33.7	18.4	52.1	74.0	-21.9	Peak	Horizontal
*	8845.5	34.9	14.0	48.9	68.2	-19.3	Peak	Vertical
*	9959.0	38.1	15.3	53.4	68.2	-14.8	Peak	Vertical
	10902.5	34.0	18.3	52.3	74.0	-21.7	Peak	Vertical
	11565.5	34.0	19.5	53.5	74.0	-20.5	Peak	Vertical

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

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

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

待測物名稱	AX11000 MU-MIMO 三頻電競路由 器	溫度	26°C
測試工程師	Kevin Ker	濕度	57 %
測試場地	AC1	測試日期	2018/11/29
測試模式	802.11ax-HE40 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	測試通道	134
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8675.5	34.9	13.7	48.6	68.2	-19.6	Peak	Horizontal
*	10001.5	40.5	15.4	55.9	68.2	-12.3	Peak	Horizontal
	10843.0	35.1	18.1	53.2	74.0	-20.8	Peak	Horizontal
	12288.0	34.1	18.6	52.7	74.0	-21.3	Peak	Horizontal
*	8743.5	34.8	13.9	48.7	68.2	-19.5	Peak	Vertical
*	10001.5	37.1	15.4	52.5	68.2	-15.7	Peak	Vertical
	11293.5	33.5	18.9	52.4	74.0	-21.6	Peak	Vertical
	11795.0	33.8	18.8	52.6	74.0	-21.4	Peak	Vertical

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

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

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

待測物名稱	AX11000 MU-MIMO 三頻電競路由 器	溫度	26°C
測試工程師	Kevin Ker	濕度	57 %
測試場地	AC1	測試日期	2018/11/26
測試模式	802.11ax-HE40 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	測試通道	151
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8735.0	35.0	13.9	48.9	68.2	-19.3	Peak	Horizontal
*	10001.5	41.0	15.4	56.4	68.2	-11.8	Peak	Horizontal
	11888.5	34.4	18.6	53.0	74.0	-21.0	Peak	Horizontal
	13359.0	33.9	21.2	55.1	74.0	-18.9	Peak	Horizontal
*	8828.5	34.5	14.0	48.5	68.2	-19.7	Peak	Vertical
*	10350.0	34.4	16.8	51.2	68.2	-17.0	Peak	Vertical
	10919.5	34.0	18.4	52.4	74.0	-21.6	Peak	Vertical
	11650.5	33.3	19.3	52.6	74.0	-21.4	Peak	Vertical

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

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

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

待測物名稱	AX11000 MU-MIMO 三頻電競路由器	溫度	26°C
測試工程師	Kevin Ker	濕度	57 %
測試場地	AC1	測試日期	2018/11/26
測試模式	802.11ax-HE40 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	測試通道	159
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8777.5	35.0	13.9	48.9	68.2	-19.3	Peak	Horizontal
*	10001.5	41.0	15.4	56.4	68.2	-11.8	Peak	Horizontal
	10885.5	35.3	18.3	53.6	74.0	-20.4	Peak	Horizontal
	11463.5	33.5	19.3	52.8	74.0	-21.2	Peak	Horizontal
*	8701.0	34.5	13.8	48.3	68.2	-19.9	Peak	Vertical
*	10001.5	38.8	15.4	54.2	68.2	-14.0	Peak	Vertical
	10868.5	35.9	18.2	54.1	74.0	-19.9	Peak	Vertical
	11446.5	34.7	19.2	53.9	74.0	-20.1	Peak	Vertical

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

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

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

待測物名稱	AX11000 MU-MIMO 三頻電競路由器	溫度	26°C
測試工程師	Kevin Ker	濕度	57 %
測試場地	AC1	測試日期	2018/11/26
測試模式	802.11ax-HE80 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	測試通道	42
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8786.0	34.4	13.9	48.3	68.2	-19.9	Peak	Horizontal
*	10001.5	41.2	15.4	56.6	68.2	-11.6	Peak	Horizontal
	10928.0	34.6	18.4	53.0	74.0	-21.0	Peak	Horizontal
	12543.0	33.8	18.6	52.4	74.0	-21.6	Peak	Horizontal
*	8803.0	35.7	14.0	49.7	68.2	-18.5	Peak	Vertical
*	9976.0	35.6	15.3	50.9	68.2	-17.3	Peak	Vertical
	10936.5	34.7	18.4	53.1	74.0	-20.9	Peak	Vertical
	11710.0	33.5	19.1	52.6	74.0	-21.4	Peak	Vertical

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

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

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

待測物名稱	AX11000 MU-MIMO 三頻電競路由器	溫度	26°C
測試工程師	Kevin Ker	濕度	57 %
測試場地	AC1	測試日期	2018/11/29
測試模式	802.11ax-HE80 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	測試通道	58
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8828.5	34.0	14.0	48.0	68.2	-20.2	Peak	Horizontal
*	10001.5	40.8	15.4	56.2	68.2	-12.0	Peak	Horizontal
	11455.0	33.1	19.2	52.3	74.0	-21.7	Peak	Horizontal
	12271.0	31.8	18.6	50.4	74.0	-23.6	Peak	Horizontal
*	8854.0	34.6	14.0	48.6	68.2	-19.6	Peak	Vertical
*	10001.5	39.4	15.4	54.8	68.2	-13.4	Peak	Vertical
	10826.0	32.3	18.0	50.3	74.0	-23.7	Peak	Vertical
	11531.5	33.4	19.4	52.8	74.0	-21.2	Peak	Vertical

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

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

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

待測物名稱	AX11000 MU-MIMO 三頻電競路由器	溫度	26°C
測試工程師	Kevin Ker	濕度	57 %
測試場地	AC1	測試日期	2018/11/29
測試模式	802.11ax-HE80 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	測試通道	106
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8862.5	34.5	14.0	48.5	68.2	-19.7	Peak	Horizontal
*	10001.5	39.8	15.4	55.2	68.2	-13.0	Peak	Horizontal
	10826.0	34.7	18.0	52.7	74.0	-21.3	Peak	Horizontal
	11591.0	33.6	19.5	53.1	74.0	-20.9	Peak	Horizontal
*	8888.0	35.2	14.0	49.2	68.2	-19.0	Peak	Vertical
*	10001.5	38.0	15.4	53.4	68.2	-14.8	Peak	Vertical
	11353.0	34.8	19.0	53.8	74.0	-20.2	Peak	Vertical
	12160.5	33.6	18.9	52.5	74.0	-21.5	Peak	Vertical

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

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

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

待測物名稱	AX11000 MU-MIMO 三頻電競路由器	溫度	26°C
測試工程師	Kevin Ker	濕度	57 %
測試場地	AC1	測試日期	2018/11/29
測試模式	802.11ax-HE80 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	測試通道	122
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8709.5	34.2	13.8	48.0	68.2	-20.2	Peak	Horizontal
*	10001.5	40.6	15.4	56.0	68.2	-12.2	Peak	Horizontal
	10800.5	34.8	17.9	52.7	74.0	-21.3	Peak	Horizontal
	11846.0	33.8	18.7	52.5	74.0	-21.5	Peak	Horizontal
*	8616.0	35.4	13.5	48.9	68.2	-19.3	Peak	Vertical
*	10001.5	37.3	15.4	52.7	68.2	-15.5	Peak	Vertical
	11038.5	34.3	18.5	52.8	74.0	-21.2	Peak	Vertical
	12245.5	33.3	18.7	52.0	74.0	-22.0	Peak	Vertical

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

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

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

待測物名稱	AX11000 MU-MIMO 三頻電競路由器	溫度	26°C
測試工程師	Kevin Ker	濕度	57 %
測試場地	AC1	測試日期	2018/11/26
測試模式	802.11ax-HE80 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	測試通道	155
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8854.0	33.4	14.0	47.4	68.2	-20.8	Peak	Horizontal
*	10001.5	41.4	15.4	56.8	68.2	-11.4	Peak	Horizontal
	10783.5	34.3	17.8	52.1	74.0	-21.9	Peak	Horizontal
	12092.5	33.2	18.9	52.1	74.0	-21.9	Peak	Horizontal
*	10001.5	36.8	15.4	52.2	68.2	-16.0	Peak	Vertical
*	10545.5	35.7	17.2	52.9	68.2	-15.3	Peak	Vertical
	11055.5	34.2	18.5	52.7	74.0	-21.3	Peak	Vertical
	12483.5	34.3	18.5	52.8	74.0	-21.2	Peak	Vertical

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

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

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

待測物名稱	AX11000 MU-MIMO 三頻電競路由 器	溫度	26°C
測試工程師	Kevin Ker	濕度	57 %
測試場地	AC1	測試日期	2018/11/29
測試模式	802.11ax-HE160 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	測試通道	50
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8692.5	33.5	13.7	47.2	68.2	-21.0	Peak	Horizontal
*	10001.5	39.5	15.4	54.9	68.2	-13.3	Peak	Horizontal
	11336.0	33.7	19.0	52.7	74.0	-21.3	Peak	Horizontal
	12441.0	33.9	18.4	52.3	74.0	-21.7	Peak	Horizontal
*	8709.5	33.9	13.8	47.7	68.2	-20.5	Peak	Vertical
*	10001.5	38.2	15.4	53.6	68.2	-14.6	Peak	Vertical
	11480.5	32.3	19.3	51.6	74.0	-22.4	Peak	Vertical
	12118.0	32.5	18.9	51.4	74.0	-22.6	Peak	Vertical

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

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

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

待測物名稱	AX11000 MU-MIMO 三頻電競路由 器	溫度	26°C
測試工程師	Kevin Ker	濕度	57 %
測試場地	AC1	測試日期	2018/11/29
測試模式	802.11ax-HE160 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	測試通道	114
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8828.5	33.7	14.0	47.7	68.2	-20.5	Peak	Horizontal
*	10001.5	40.2	15.4	55.6	68.2	-12.6	Peak	Horizontal
	11310.5	33.7	18.9	52.6	74.0	-21.4	Peak	Horizontal
	12483.5	33.3	18.5	51.8	74.0	-22.2	Peak	Horizontal
*	8624.5	34.5	13.5	48.0	68.2	-20.2	Peak	Vertical
*	10001.5	37.0	15.4	52.4	68.2	-15.8	Peak	Vertical
	11208.5	34.4	18.8	53.2	74.0	-20.8	Peak	Vertical
	11684.5	33.7	19.2	52.9	74.0	-21.1	Peak	Vertical

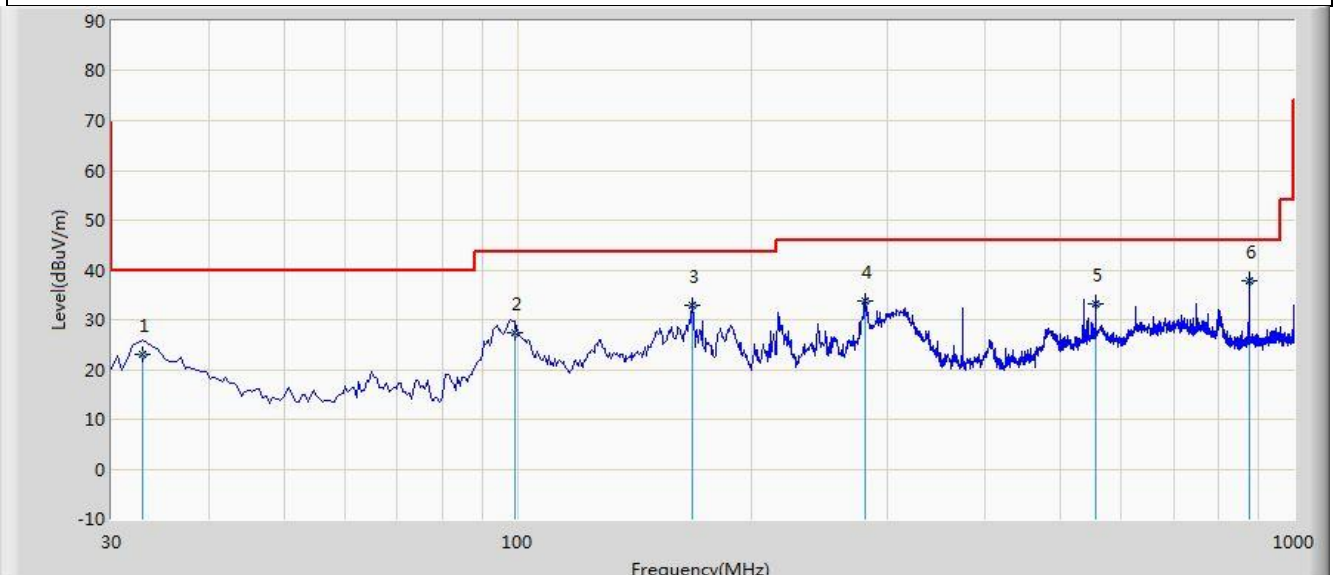
Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

The Worst Case of Radiated Emission below 1GHz:

Site: AC1	Time: 2018/12/01 - 00:23
Limit: NCC LP0002_1GHz-40GHz	Engineer: Kevin Ker
Probe: VULB 9168 _20-2000MHz	Polarity: Horizontal
EUT: AX11000 MU-MIMO 三頻電競路由器	Power: AC 110V/60Hz
測試模式 There is the worst case within frequency range 30MHz~1GHz. (5G Wi-Fi)	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			32.880	23.041	10.478	-16.959	40.000	12.563	QP
2			99.360	27.328	14.347	-16.172	43.500	12.981	QP
3		*	167.740	32.778	22.498	-10.722	43.500	10.280	QP
4			280.780	33.637	19.247	-12.363	46.000	14.390	QP
5			555.837	33.260	13.744	-12.740	46.000	19.516	QP
6			875.365	37.710	13.492	-8.290	46.000	24.218	QP

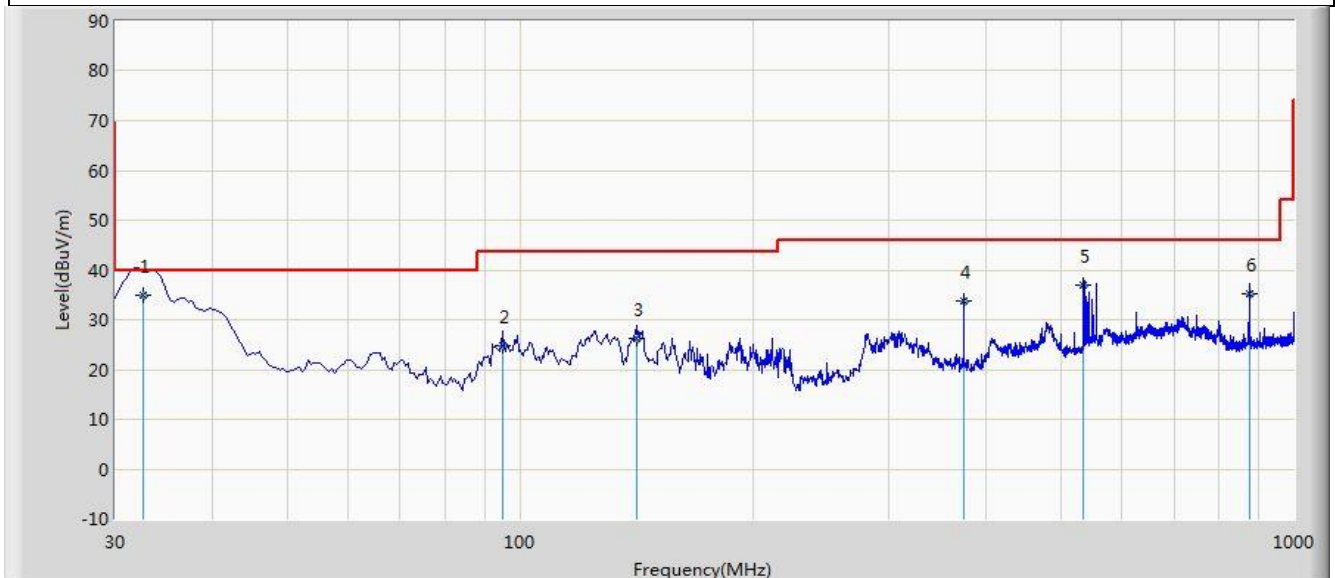
Note 1: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

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.

Note 3: 經初測驗證過，1GHz 以下輻射干擾測試對測試頻道數並無差異，故僅檢附最差狀況之測試頻道。

Site: AC1	Time: 2018/12/01 - 00:28
Limit: NCC LP0002_1GHz-40GHz	Engineer: Kevin Ker
Probe: VULB 9168 _20-2000MHz	Polarity: Vertical
EUT: AX11000 MU-MIMO 三頻電競路由器	Power: AC 110V/60Hz
測試模式 There is the worst case within frequency range 30MHz~1GHz. (5G Wi-Fi)	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			32.660	35.023	22.500	-4.977	40.000	12.523	QP
2			94.990	24.900	12.493	-18.600	43.500	12.408	QP
3		*	141.550	26.282	16.733	-17.218	43.500	9.549	QP
4			374.835	33.650	17.225	-12.350	46.000	16.425	QP
5			535.370	36.991	17.891	-9.009	46.000	19.100	QP
6			875.355	35.348	11.130	-10.652	46.000	24.218	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.

Note 3: 經初測驗證過，1GHz 以下輻射干擾測試對測試頻道數並無差異，故僅檢附最差狀況之測試頻道。

5.9. 發射功率控制

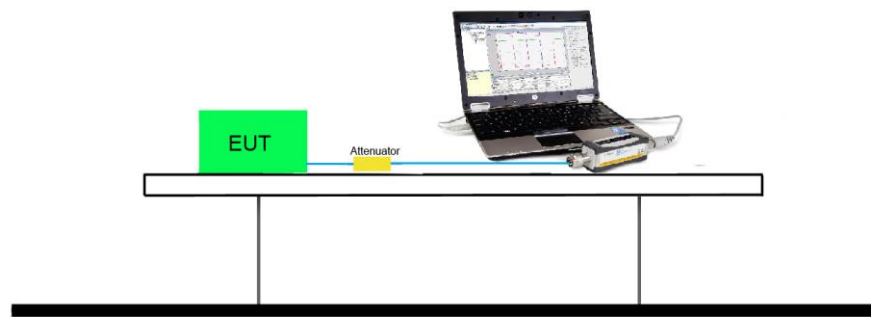
5.9.1. 適用標準

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

5.9.2. 量測方法

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

5.9.3. 測試架構圖



5.9.4. 發射功率控制測試結果

待測物名稱	AX11000 MU-MIMO 三頻電競路由器	溫度	25°C
測試工程師	Kevin Ker	濕度	56%
測試場地	SR1	測試日期	2018/11/24

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 E.I.R.P (dBm)	E.I.R.P Limit (dBm)	Result
CDD Mode										
11a	6Mbps	52	5260	15.78	15.81	15.57	15.87	23.58	≤ 24.00	Pass
11a	6Mbps	60	5300	15.73	15.81	15.66	15.55	23.51	≤ 24.00	Pass
11a	6Mbps	64	5320	15.77	15.85	15.69	15.56	23.54	≤ 24.00	Pass
11a	6Mbps	100	5500	15.82	16.21	15.68	15.74	23.69	≤ 24.00	Pass
11a	6Mbps	120	5600	15.67	15.87	15.53	15.95	23.58	≤ 24.00	Pass
11a	6Mbps	140	5700	15.61	15.69	15.78	15.75	23.53	≤ 24.00	Pass
11n-HT20	MSC0	52	5260	15.55	15.50	15.71	15.87	23.48	≤ 24.00	Pass
11n-HT20	MCS0	60	5300	15.59	15.86	16.06	15.72	23.63	≤ 24.00	Pass
11n-HT20	MSC0	64	5320	15.65	16.01	16.12	15.77	23.71	≤ 24.00	Pass
11n-HT20	MCS0	100	5500	15.64	16.02	16.04	15.68	23.67	≤ 24.00	Pass
11n-HT20	MSC0	120	5600	15.54	15.75	16.32	15.78	23.68	≤ 24.00	Pass
11n-HT20	MCS0	140	5700	15.38	15.91	16.32	15.73	23.67	≤ 24.00	Pass
11n-HT40	MCS0	54	5270	16.02	15.84	15.98	15.73	23.71	≤ 24.00	Pass
11n-HT40	MCS0	62	5310	15.99	15.92	16.03	15.91	23.78	≤ 24.00	Pass
11n-HT40	MCS0	102	5510	15.76	15.68	15.79	15.85	23.59	≤ 24.00	Pass
11n-HT40	MCS0	118	5590	15.91	16.03	15.67	15.78	23.67	≤ 24.00	Pass
11n-HT40	MCS0	134	5670	15.81	15.99	15.86	15.78	23.68	≤ 24.00	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 E.I.R.P (dBm)	E.I.R.P Limit (dBm)	Result
CDD Mode										
11ac-VHT20	MSC0	52	5260	15.72	15.60	15.61	16.04	23.57	≤ 24.00	Pass
11ac-VHT20	MCS0	60	5300	15.73	15.55	15.80	15.88	23.56	≤ 24.00	Pass
11ac-VHT20	MSC0	64	5320	15.65	15.79	15.85	15.83	23.60	≤ 24.00	Pass
11ac-VHT20	MCS0	100	5500	15.97	15.86	15.84	15.73	23.67	≤ 24.00	Pass
11ac-VHT20	MSC0	120	5600	15.74	15.89	15.85	15.64	23.60	≤ 24.00	Pass
11ac-VHT20	MCS0	140	5700	16.15	15.91	15.55	15.82	23.68	≤ 24.00	Pass
11ac-VHT40	MCS0	54	5270	15.57	15.82	16.26	16.02	23.75	≤ 24.00	Pass
11ac-VHT40	MCS0	62	5310	15.61	15.85	15.86	16.21	23.71	≤ 24.00	Pass
11ac-VHT40	MCS0	102	5510	15.52	16.02	15.65	15.92	23.60	≤ 24.00	Pass
11ac-VHT40	MCS0	118	5590	15.79	15.87	15.77	15.74	23.61	≤ 24.00	Pass
11ac-VHT40	MCS0	134	5670	15.80	15.87	15.82	15.89	23.67	≤ 24.00	Pass
11ac-VHT80	MCS0	58	5290	15.76	15.81	15.93	15.72	23.63	≤ 24.00	Pass
11ac-VHT80	MCS0	106	5530	15.71	16.12	15.80	16.04	23.74	≤ 24.00	Pass
11ac-VHT80	MCS0	122	5610	15.93	15.91	15.88	15.78	23.70	≤ 24.00	Pass
11ac-VHT160	MCS0	50	5250	16.01	15.76	15.88	15.96	23.72	≤ 24.00	Pass
11ac-VHT160	MCS0	114	5570	15.89	15.76	15.68	15.89	23.63	≤ 24.00	Pass
11ax-HE20	MCS0	52	5260	16.12	15.76	15.78	16.08	23.76	≤ 24.00	Pass
11ax-HE20	MCS0	60	5300	15.99	15.65	15.71	15.90	23.64	≤ 24.00	Pass
11ax-HE20	MCS0	64	5320	15.89	15.92	15.80	15.86	23.69	≤ 24.00	Pass
11ax-HE20	MCS0	100	5500	15.46	16.26	15.89	16.25	23.80	≤ 24.00	Pass
11ax-HE20	MCS0	120	5600	15.76	16.02	15.87	16.03	23.74	≤ 24.00	Pass
11ax-HE20	MCS0	140	5700	15.76	15.95	15.68	16.08	23.69	≤ 24.00	Pass
11ax-HE40	MCS0	54	5270	16.10	16.09	15.99	16.14	23.90	≤ 24.00	Pass
11ax-HE40	MCS0	62	5310	15.29	15.75	16.16	16.13	23.67	≤ 24.00	Pass
11ax-HE40	MCS0	102	5510	15.96	16.15	15.81	15.89	23.77	≤ 24.00	Pass
11ax-HE40	MCS0	118	5590	15.87	15.98	15.81	15.88	23.71	≤ 24.00	Pass
11ax-HE40	MCS0	134	5670	15.79	15.88	15.76	15.82	23.63	≤ 24.00	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 E.I.R.P (dBm)	E.I.R.P Limit (dBm)	Result
CDD Mode										
11ax-HE80	MCS0	58	5290	16.02	16.12	15.92	16.22	23.89	≤ 24.00	Pass
11ax-HE80	MCS0	106	5530	15.76	15.75	15.78	16.24	23.71	≤ 24.00	Pass
11ax-HE80	MCS0	122	5610	15.82	15.85	15.74	16.11	23.70	≤ 24.00	Pass
11ax-HE160	MCS0	50	5250	16.17	16.05	16.05	15.90	23.86	≤ 24.00	Pass
11ax-HE160	MCS0	114	5570	15.83	15.98	15.68	15.69	23.62	≤ 24.00	Pass

Note 1: The Total E.I.R.P (dBm) = $10 \cdot \log \{10^{(\text{Ant 0 Average Power} / 10)} + 10^{(\text{Ant 1 Average Power} / 10)} + 10^{(\text{Ant 2 Average Power} / 10)} + 10^{(\text{Ant 3 Average Power} / 10)}\} + \text{Antenna Gain}$, Antenna Gain = 1.8dBi.

Note 2: E.I.R.P Limit (dBm) = 24.0dBm.

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 E.I.R.P (dBm)	E.I.R.P Limit (dBm)	Result
Beam-Forming Mode										
11ac-VHT20	MCS0	52	5260	9.94	9.73	10.21	10.13	23.85	≤ 24.00	Pass
11ac-VHT20	MCS0	60	5300	9.43	9.82	10.13	10.60	23.86	≤ 24.00	Pass
11ac-VHT20	MCS0	64	5320	9.84	9.57	10.04	10.25	23.77	≤ 24.00	Pass
11ac-VHT20	MCS0	100	5500	9.69	10.14	9.81	10.12	23.78	≤ 24.00	Pass
11ac-VHT20	MCS0	120	5600	10.24	10.15	9.75	9.82	23.84	≤ 24.00	Pass
11ac-VHT20	MCS0	140	5700	10.05	9.76	9.48	10.31	23.75	≤ 24.00	Pass
11ac-VHT40	MCS0	54	5270	10.18	10.16	10.13	9.76	23.90	≤ 24.00	Pass
11ac-VHT40	MCS0	62	5310	9.20	9.91	10.04	10.26	23.71	≤ 24.00	Pass
11ac-VHT40	MCS0	102	5510	10.38	9.73	9.55	9.56	23.66	≤ 24.00	Pass
11ac-VHT40	MCS0	118	5590	10.09	10.17	9.84	9.91	23.85	≤ 24.00	Pass
11ac-VHT40	MCS0	134	5670	9.78	10.12	9.65	10.41	23.84	≤ 24.00	Pass
11ac-VHT80	MCS0	58	5290	9.99	10.29	9.75	9.86	23.82	≤ 24.00	Pass
11ac-VHT80	MCS0	106	5530	9.59	10.07	9.48	9.95	23.62	≤ 24.00	Pass
11ac-VHT80	MCS0	122	5610	9.71	10.17	9.81	9.98	23.76	≤ 24.00	Pass
11ac-VHT160	MCS0	50	5250	9.74	9.99	10.26	9.56	23.74	≤ 24.00	Pass
11ac-VHT160	MCS0	114	5570	9.92	10.06	9.89	9.63	23.72	≤ 24.00	Pass
11ax-HE20	MCS0	52	5260	9.71	9.86	10.07	10.14	23.79	≤ 24.00	Pass
11ax-HE20	MCS0	60	5300	9.91	9.84	10.01	9.90	23.76	≤ 24.00	Pass
11ax-HE20	MCS0	64	5320	10.11	9.96	9.61	10.01	23.77	≤ 24.00	Pass
11ax-HE20	MCS0	100	5500	9.89	9.76	9.76	9.84	23.65	≤ 24.00	Pass
11ax-HE20	MCS0	120	5600	9.85	9.87	9.96	9.88	23.73	≤ 24.00	Pass
11ax-HE20	MCS0	140	5700	10.44	9.71	9.48	10.24	23.83	≤ 24.00	Pass
11ax-HE40	MCS0	54	5270	9.82	10.65	9.77	9.66	23.83	≤ 24.00	Pass
11ax-HE40	MCS0	62	5310	9.78	9.82	9.85	9.74	23.64	≤ 24.00	Pass
11ax-HE40	MCS0	102	5510	10.01	10.38	9.66	10.04	23.87	≤ 24.00	Pass
11ax-HE40	MCS0	118	5590	10.18	10.17	9.43	10.14	23.83	≤ 24.00	Pass
11ax-HE40	MCS0	134	5670	9.77	9.90	9.63	10.29	23.75	≤ 24.00	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 E.I.R.P (dBm)	E.I.R.P Limit (dBm)	Result
Beam-Forming Mode										
11ax-HE80	MCS0	58	5290	9.88	9.78	10.20	10.19	23.86	≤ 24.00	Pass
11ax-HE80	MCS0	106	5530	9.70	9.76	9.65	10.32	23.71	≤ 24.00	Pass
11ax-HE80	MCS0	122	5610	10.11	9.77	10.19	10.01	23.86	≤ 24.00	Pass
11ax-HE160	MCS0	50	5250	9.63	9.92	10.07	10.14	23.78	≤ 24.00	Pass
11ax-HE160	MCS0	114	5570	9.90	9.91	9.75	9.67	23.65	≤ 24.00	Pass

Note: The Total E.I.R.P (dBm) = $10 \cdot \log \{10^{(\text{Ant 0 Average Power} / 10)} + 10^{(\text{Ant 1 Average Power} / 10)} + 10^{(\text{Ant 2 Average Power} / 10)} + 10^{(\text{Ant 3 Average Power} / 10)}\} + \text{Beam-Forming Gain}$, Beam-Forming Gain = 7.82dBi.

Note 2: E.I.R.P Limit (dBm) = 24.0dBm.

5.10. 頻率穩定性

5.10.1. 適用標準

依據國家通訊傳播委員會低功率射頻電機技術規範之第 4.7.7 節

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

5.10.2. 量測方法

(一) 測量對溫度之頻率穩定性

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

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

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

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

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

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

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

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

(二) 測量對輸入電壓之頻率穩定性

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

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

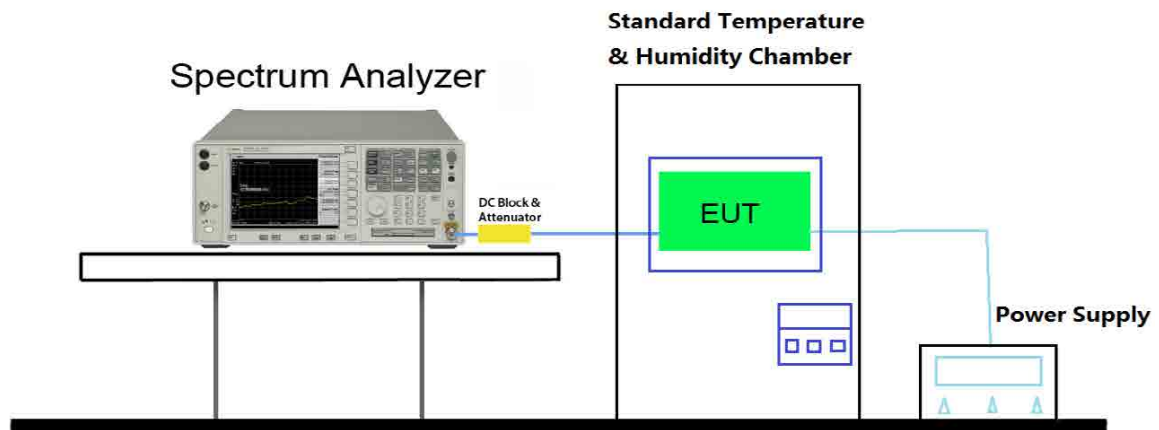
註：為達量測目的，可將測量天線近置於受測物（例如離 15cm）而以適當長度之同軸纜線連接至測量儀器。

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

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

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

5.10.3. 測試架構圖



5.10.4. 頻率穩定性測試結果

待測物名稱	AX11000 MU-MIMO 三頻電競路由器	溫度	-30 ~ 50°C
Test Time	2018/11/28	濕度	46 ~ 55%RH
測試場地	TR3	Test Time	2018/11/26
Test Mode	5180MHz (Carrier Mode)		

Voltage (%)	Power (W)	Temp (°C)	Frequency Tolerance (ppm)
100%	120	- 30	-5.35
		- 20	-5.86
		- 10	-5.18
		0	-4.27
		+ 10	-3.14
		+ 20 (Ref)	-3.91
		+ 30	-4.65
		+ 40	-4.15
		+ 50	-4.46
115%	138	+ 20	-3.83
85%	102	+ 20	-4.74

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

_____ The End _____