7.8.5.Test Result

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/19
Test Mode:	802.11a - Ant 0	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
*	8837.0	30.9	14.0	44.9	68.2	-23.3	Peak	Horizontal
*	10171.5	32.2	16.1	48.3	68.2	-19.9	Peak	Horizontal
	11693.0	31.4	19.2	50.6	74.0	-23.4	Peak	Horizontal
	12407.0	31.8	18.4	50.2	74.0	-23.8	Peak	Horizontal
*	8888.0	33.2	14.0	47.2	68.2	-21.0	Peak	Vertical
*	10358.5	36.3	16.8	53.1	68.2	-15.1	Peak	Vertical
	11531.5	32.7	19.4	52.1	74.0	-21.9	Peak	Vertical
	12330.5	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/19
Test Mode:	802.11a - Ant 0	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
*	8701.0	31.8	13.8	45.6	68.2	-22.6	Peak	Horizontal
*	9857.0	32.0	16.2	48.2	68.2	-20.0	Peak	Horizontal
	11293.5	30.7	18.9	49.6	74.0	-24.4	Peak	Horizontal
	12330.5	31.7	18.5	50.2	74.0	-23.8	Peak	Horizontal
*	7876.5	34.6	12.4	47.0	68.2	-21.2	Peak	Vertical
*	9678.5	33.9	14.6	48.5	68.2	-19.7	Peak	Vertical
	11378.5	31.3	19.1	50.4	74.0	-23.6	Peak	Vertical
	15654.0	36.1	20.4	56.5	74.0	-17.5	Peak	Vertical
	15654.0	24.3	20.4	44.7	54.0	-9.3	Average	Vertical

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

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/19
Test Mode:	802.11a - Ant 0	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
*	8556.5	32.8	13.2	46.0	68.2	-22.2	Peak	Horizontal
*	10120.5	33.6	15.8	49.4	68.2	-18.8	Peak	Horizontal
	12143.5	32.3	18.9	51.2	74.0	-22.8	Peak	Horizontal
	15722.0	34.7	20.5	55.2	74.0	-18.8	Peak	Horizontal
	15722.0	22.1	20.5	42.6	54.0	-11.4	Average	Horizontal
*	7825.5	34.9	12.4	47.3	68.2	-20.9	Peak	Vertical
*	10477.5	36.5	17.1	53.6	68.2	-14.6	Peak	Vertical
	12135.0	32.6	18.9	51.5	74.0	-22.5	Peak	Vertical
	15722.0	37.2	20.5	57.7	74.0	-16.3	Peak	Vertical
	15722.0	28.0	20.5	48.5	54.0	-5.5	Average	Vertical

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

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/19
Test Mode:	802.11a - Ant 0	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
*	8964.5	31.8	14.1	45.9	68.2	-22.3	Peak	Horizontal
*	9993.0	32.9	15.4	48.3	68.2	-19.9	Peak	Horizontal
	11490.0	36.2	19.3	55.5	74.0	-18.5	Peak	Horizontal
	11490.0	23.4	19.3	42.7	54.0	-11.3	Average	Horizontal
	12381.5	32.0	18.4	50.4	74.0	-23.6	Peak	Horizontal
*	9721.0	33.5	14.7	48.2	68.2	-20.0	Peak	Vertical
*	10112.0	34.7	15.8	50.5	68.2	-17.7	Peak	Vertical
	11490.0	36.0	19.3	55.3	74.0	-18.7	Peak	Vertical
	11490.0	25.2	19.3	44.5	54.0	-9.5	Average	Vertical
	12033.0	32.9	18.8	51.7	74.0	-22.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/19
Test Mode:	802.11a - Ant 0	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
*	9593.5	33.1	14.4	47.5	68.2	-20.7	Peak	Horizontal
*	10350.0	32.9	16.8	49.7	68.2	-18.5	Peak	Horizontal
	11570.0	33.3	19.5	52.8	74.0	-21.2	Peak	Horizontal
	11570.0	23.6	19.5	43.1	54.0	-10.9	Average	Horizontal
	12007.5	31.7	18.7	50.4	74.0	-23.6	Peak	Horizontal
*	9789.0	33.0	15.0	68.2	74.0	-5.8	Peak	Vertical
*	10401.0	32.8	16.9	68.2	74.0	-5.8	Peak	Vertical
	11570.0	34.5	19.5	54.0	74.0	-20.0	Peak	Vertical
	11570.0	23.6	19.5	43.1	54.0	-10.9	Average	Vertical
	12109.5	32.9	18.9	51.8	74.0	-22.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/19
Test Mode:	802.11a - Ant 0	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
*	9789.0	33.0	15.0	48.0	68.2	-20.2	Peak	Horizontal
*	10103.5	33.7	15.7	49.4	68.2	-18.8	Peak	Horizontal
	11480.5	31.5	19.3	50.8	74.0	-23.2	Peak	Horizontal
	12441.0	32.5	18.4	50.9	74.0	-23.1	Peak	Horizontal
*	9993.0	33.0	15.4	48.4	68.2	-19.8	Peak	Vertical
*	10222.5	34.0	16.3	50.3	68.2	-17.9	Peak	Vertical
	11650.0	34.0	19.3	53.3	74.0	-20.7	Peak	Vertical
	11650.0	22.5	19.3	41.8	54.0	-12.2	Average	Vertical
	12449.5	33.7	18.4	52.1	74.0	-21.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/19
Test Mode:	802.11n-HT20 - Ant 0	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
*	9721.0	33.8	14.7	48.5	68.2	-19.7	Peak	Horizontal
*	10001.5	34.5	15.4	49.9	68.2	-18.3	Peak	Horizontal
	10877.0	33.1	18.2	51.3	74.0	-22.7	Peak	Horizontal
	12288.0	32.4	18.6	51.0	74.0	-23.0	Peak	Horizontal
*	9933.5	33.7	15.3	49.0	68.2	-19.2	Peak	Vertical
*	10503.0	32.8	17.2	50.0	68.2	-18.2	Peak	Vertical
	11395.5	32.4	19.1	51.5	74.0	-22.5	Peak	Vertical
	12585.5	32.4	18.7	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/19
Test Mode:	802.11n-HT20 - Ant 0	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
*	8505.5	32.9	12.9	45.8	68.2	-22.4	Peak	Horizontal
*	9687.0	34.7	14.6	49.3	68.2	-18.9	Peak	Horizontal
	10885.5	34.3	18.3	52.6	74.0	-21.4	Peak	Horizontal
	12109.5	31.2	18.9	50.1	74.0	-23.9	Peak	Horizontal
*	8811.5	31.5	14.0	45.5	68.2	-22.7	Peak	Vertical
*	10435.0	36.9	17.0	53.9	68.2	-14.3	Peak	Vertical
	12194.5	32.0	18.8	50.8	74.0	-23.2	Peak	Vertical
	15660.0	36.5	20.4	56.9	74.0	-17.1	Peak	Vertical
	15660.0	25.0	20.4	45.4	54.0	-8.6	Average	Vertical

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

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/19
Test Mode:	802.11n-HT20 - Ant 0	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
*	8905.0	33.1	14.0	47.1	68.2	-21.1	Peak	Horizontal
*	10596.5	32.8	17.3	50.1	68.2	-18.1	Peak	Horizontal
	11650.5	33.7	19.3	53.0	74.0	-21.0	Peak	Horizontal
	12058.5	31.9	18.8	50.7	74.0	-23.3	Peak	Horizontal
*	9746.5	34.6	14.8	49.4	68.2	-18.8	Peak	Vertical
*	10477.5	36.1	17.1	53.2	68.2	-15.0	Peak	Vertical
	12271.0	33.4	18.6	52.0	74.0	-22.0	Peak	Vertical
	15718.6	36.4	20.5	56.9	74.0	-17.1	Peak	Vertical
	15718.6	24.8	20.5	45.3	54.0	-8.7	Average	Vertical

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

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/19
Test Mode:	802.11n-HT20 - Ant 0	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
*	9508.5	33.5	14.4	47.9	68.2	-20.3	Peak	Horizontal
*	10426.5	31.9	17.0	48.9	68.2	-19.3	Peak	Horizontal
	11489.0	24.9	19.3	44.2	54.0	-9.8	Average	Horizontal
	11489.0	35.0	19.3	54.3	74.0	-19.7	Peak	Horizontal
	12177.5	32.0	18.8	50.8	74.0	-23.2	Peak	Horizontal
*	9712.5	32.9	14.7	47.6	68.2	-20.6	Peak	Vertical
*	10120.5	34.4	15.8	50.2	68.2	-18.0	Peak	Vertical
	11490.0	36.1	19.3	55.4	74.0	-18.6	Peak	Vertical
	11490.0	25.1	19.3	44.4	54.0	-9.6	Average	Vertical
	12118.0	33.1	18.9	52.0	74.0	-22.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/19
Test Mode:	802.11n-HT20 - Ant 0	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
*	9814.5	32.4	15.4	47.8	68.2	-20.4	Peak	Horizontal
*	10171.5	32.5	16.1	48.6	68.2	-19.6	Peak	Horizontal
	11574.0	34.0	19.5	53.5	74.0	-20.5	Peak	Horizontal
	11569.6	23.1	19.5	42.6	54.0	-11.4	Average	Horizontal
	12381.5	32.6	18.4	51.0	74.0	-23.0	Peak	Horizontal
*	8616.0	34.1	13.5	47.6	68.2	-20.6	Peak	Vertical
*	9848.5	31.5	16.1	47.6	68.2	-20.6	Peak	Vertical
	10749.5	33.2	17.7	50.9	74.0	-23.1	Peak	Vertical
	11565.5	35.2	19.5	54.7	74.0	-19.3	Peak	Vertical
	11569.7	23.7	19.5	43.2	54.0	-10.8	Average	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/19
Test Mode:	802.11n-HT20 - Ant 0	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
*	7196.5	35.6	12.1	47.7	68.2	-20.5	Peak	Horizontal
*	9942.0	33.6	15.3	48.9	68.2	-19.3	Peak	Horizontal
	10877.0	32.4	18.2	50.6	74.0	-23.4	Peak	Horizontal
	12169.0	32.0	18.8	50.8	74.0	-23.2	Peak	Horizontal
*	9721.0	33.9	14.7	48.6	68.2	-19.6	Peak	Vertical
*	10171.5	32.6	16.1	48.7	68.2	-19.5	Peak	Vertical
	11650.0	34.4	19.3	53.7	74.0	-20.3	Peak	Vertical
	11650.0	23.3	19.3	42.6	54.0	-11.4	Average	Vertical
	12432.5	33.0	18.4	51.4	74.0	-22.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/20
Test Mode:	802.11n-HT40 - Ant 0	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
*	9721.0	33.9	14.7	48.6	68.2	-19.6	Peak	Horizontal
*	10214.0	32.7	16.3	49.0	68.2	-19.2	Peak	Horizontal
	11242.5	31.0	18.8	49.8	74.0	-24.2	Peak	Horizontal
	12313.5	31.2	18.5	49.7	74.0	-24.3	Peak	Horizontal
*	8769.0	31.4	13.9	45.3	68.2	-22.9	Peak	Vertical
*	10435.0	31.7	17.0	48.7	68.2	-19.5	Peak	Vertical
	11829.0	30.5	18.7	49.2	74.0	-24.8	Peak	Vertical
	12611.0	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/20
Test Mode:	802.11n-HT40 - Ant 0	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
*	8769.0	31.4	13.9	45.3	68.2	-22.9	Peak	Horizontal
*	9721.0	33.1	14.7	47.8	68.2	-20.4	Peak	Horizontal
	11242.5	30.9	18.8	49.7	74.0	-24.3	Peak	Horizontal
	11914.0	30.8	18.6	49.4	74.0	-24.6	Peak	Horizontal
*	8973.0	31.7	14.1	45.8	68.2	-22.4	Peak	Vertical
*	10350.0	32.8	16.8	49.6	68.2	-18.6	Peak	Vertical
	11582.5	31.8	19.5	51.3	74.0	-22.7	Peak	Vertical
	12271.0	31.0	18.6	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/20
Test Mode:	802.11n-HT40 - Ant 0	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
*	7171.0	34.0	11.9	45.9	68.2	-22.3	Peak	Horizontal
*	9814.5	32.9	15.4	48.3	68.2	-19.9	Peak	Horizontal
	11183.0	31.2	18.7	49.9	74.0	-24.1	Peak	Horizontal
	12271.0	32.0	18.6	50.6	74.0	-23.4	Peak	Horizontal
*	7077.5	33.9	11.3	45.2	68.2	-23.0	Peak	Vertical
*	10214.0	33.7	16.3	50.0	68.2	-18.2	Peak	Vertical
	11506.0	33.9	19.4	53.3	74.0	-20.7	Peak	Vertical
	11510.0	23.6	19.4	43.0	54.0	-11.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/20
Test Mode:	802.11n-HT40 - Ant 0	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
*	8811.5	32.3	14.0	46.3	68.2	-21.9	Peak	Horizontal
*	9721.0	33.8	14.7	48.5	68.2	-19.7	Peak	Horizontal
	11846.0	31.1	18.7	49.8	74.0	-24.2	Peak	Horizontal
	12441.0	31.3	18.4	49.7	74.0	-24.3	Peak	Horizontal
*	9653.0	33.3	14.5	47.8	68.2	-20.4	Peak	Vertical
*	10171.5	32.4	16.1	48.5	68.2	-19.7	Peak	Vertical
	11589.8	34.0	19.5	53.5	74.0	-20.5	Peak	Vertical
	11589.8	22.4	19.5	41.9	54.0	-12.1	Average	Vertical
	12568.5	32.8	18.6	51.4	74.0	-22.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/20
Test Mode:	802.11ac-VHT20 - Ant 0	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
*	8760.5	31.4	13.9	45.3	68.2	-22.9	Peak	Horizontal
*	10180.0	33.4	16.1	49.5	68.2	-18.7	Peak	Horizontal
	11829.0	30.9	18.7	49.6	74.0	-24.4	Peak	Horizontal
	12220.0	31.9	18.7	50.6	74.0	-23.4	Peak	Horizontal
*	8743.5	31.5	13.9	45.4	68.2	-22.8	Peak	Vertical
*	9772.0	34.5	14.9	49.4	68.2	-18.8	Peak	Vertical
	11293.5	31.2	18.9	50.1	74.0	-23.9	Peak	Vertical
	12271.0	32.4	18.6	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/20
Test Mode:	802.11ac-VHT20 - Ant 0	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
*	10078.0	32.9	15.6	48.5	68.2	-19.7	Peak	Horizontal
*	10596.5	31.9	17.3	49.2	68.2	-19.0	Peak	Horizontal
	11225.5	31.5	18.8	50.3	74.0	-23.7	Peak	Horizontal
	12500.5	32.4	18.5	50.9	74.0	-23.1	Peak	Horizontal
*	9636.0	34.1	14.4	48.5	68.2	-19.7	Peak	Vertical
*	10435.0	34.2	18.4	52.6	68.2	-15.6	Peak	Vertical
	12534.5	33.2	18.6	51.8	74.0	-22.2	Peak	Vertical
	15660.0	35.4	20.4	55.8	74.0	-18.2	Peak	Vertical
	15660.0	24.7	20.4	45.1	54.0	-8.9	Average	Vertical

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

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/20
Test Mode:	802.11ac-VHT20 - Ant 0	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
*	7842.5	33.9	12.4	46.3	68.2	-21.9	Peak	Horizontal
*	9755.0	34.7	14.8	49.5	68.2	-18.7	Peak	Horizontal
	11081.0	32.8	18.6	51.4	74.0	-22.6	Peak	Horizontal
	12619.5	33.0	18.7	51.7	74.0	-22.3	Peak	Horizontal
*	8599.0	34.2	13.4	47.6	68.2	-20.6	Peak	Vertical
*	10477.5	37.5	17.1	54.6	68.2	-13.6	Peak	Vertical
	12109.5	33.0	18.9	51.9	74.0	-22.1	Peak	Vertical
	15713.5	36.0	20.5	56.5	74.0	-17.5	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/20
Test Mode:	802.11ac-VHT20 - Ant 0	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
*	8607.5	34.2	13.5	47.7	68.2	-20.5	Peak	Horizontal
*	9712.5	36.0	14.7	50.7	68.2	-17.5	Peak	Horizontal
	11489.3	34.8	19.3	54.1	74.0	-19.9	Peak	Horizontal
	11489.3	24.9	19.3	44.2	54.0	-9.8	Average	Horizontal
	15773.0	32.0	20.4	52.4	74.0	-21.6	Peak	Horizontal
*	7944.5	35.2	12.5	47.7	68.2	-20.5	Peak	Vertical
*	9551.0	35.2	14.4	49.6	68.2	-18.6	Peak	Vertical
	11489.8	35.9	19.3	55.2	74.0	-18.8	Peak	Vertical
	11489.8	24.8	19.3	44.1	54.0	-9.9	Average	Vertical
	15994.0	33.5	20.4	53.9	74.0	-20.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/20
Test Mode:	802.11ac-VHT20 - Ant 0	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
*	7834.0	35.0	12.4	47.4	68.2	-20.8	Peak	Horizontal
*	9636.0	34.4	14.4	48.8	68.2	-19.4	Peak	Horizontal
	11569.4	34.8	19.5	54.3	74.0	-19.7	Peak	Horizontal
	11569.4	23.4	19.5	42.9	54.0	-11.1	Average	Horizontal
	16062.0	31.9	20.3	52.2	74.0	-21.8	Peak	Horizontal
*	8607.5	34.2	13.5	47.7	68.2	-20.5	Peak	Vertical
*	10273.5	35.9	16.5	52.4	68.2	-15.8	Peak	Vertical
	11569.3	34.5	19.5	54.0	74.0	-20.0	Peak	Vertical
	11569.3	23.6	19.5	43.1	54.0	-10.9	Average	Vertical
	13274.0	31.7	20.7	52.4	74.0	-21.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/20
Test Mode:	802.11ac-VHT20 - Ant 0	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	35.6	12.4	48.0	68.2	-20.2	Peak	Horizontal
*	9610.5	35.2	14.4	49.6	68.2	-18.6	Peak	Horizontal
	11649.2	34.3	19.3	53.6	74.0	-20.4	Peak	Horizontal
	11649.2	21.0	19.3	40.3	54.0	-13.7	Average	Horizontal
	13308.0	30.8	20.9	51.7	74.0	-22.3	Peak	Horizontal
*	7834.0	35.4	12.4	47.8	68.2	-20.4	Peak	Vertical
*	9687.0	34.7	14.6	49.3	68.2	-18.9	Peak	Vertical
	11649.9	33.8	19.4	53.2	74.0	-20.8	Peak	Vertical
	11649.9	22.2	19.3	41.5	54.0	-12.5	Average	Vertical
	13333.5	32.1	21.0	53.1	74.0	-20.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/20
Test Mode:	802.11ac-VHT40 - Ant 0	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
*	8641.5	33.8	13.5	47.3	68.2	-20.9	Peak	Horizontal
*	9780.5	34.4	14.9	49.3	68.2	-18.9	Peak	Horizontal
	10919.5	34.2	18.4	52.6	74.0	-21.4	Peak	Horizontal
	12084.0	33.1	18.9	52.0	74.0	-22.0	Peak	Horizontal
*	7774.5	34.2	12.4	46.6	68.2	-21.6	Peak	Vertical
*	9729.5	34.8	14.7	49.5	68.2	-18.7	Peak	Vertical
	10860.0	33.5	18.2	51.7	74.0	-22.3	Peak	Vertical
	12126.5	32.8	18.9	51.7	74.0	-22.3	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/20
Test Mode:	802.11ac-VHT40 - Ant 0	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
*	8658.5	34.8	13.6	48.4	68.2	-19.8	Peak	Horizontal
*	9984.5	35.4	15.4	50.8	68.2	-17.4	Peak	Horizontal
	10843.0	34.2	18.1	52.3	74.0	-21.7	Peak	Horizontal
	12084.0	33.9	18.9	52.8	74.0	-21.2	Peak	Horizontal
*	7851.0	35.4	12.4	47.8	68.2	-20.4	Peak	Vertical
*	9712.5	35.5	14.7	50.2	68.2	-18.0	Peak	Vertical
	10860.0	33.5	18.2	51.7	74.0	-22.3	Peak	Vertical
	12602.5	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)

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/20
Test Mode:	802.11ac-VHT40 - Ant 0	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
*	7876.5	35.2	12.4	47.6	68.2	-20.6	Peak	Horizontal
*	9670.0	35.2	14.5	49.7	68.2	-18.5	Peak	Horizontal
	11509.8	33.9	19.4	53.3	74.0	-20.7	Peak	Horizontal
	11509.8	21.8	19.4	41.2	54.0	-12.8	Average	Horizontal
	15637.0	32.1	20.4	52.5	74.0	-21.5	Peak	Horizontal
*	7859.5	34.4	12.4	46.8	68.2	-21.4	Peak	Vertical
*	9661.5	35.1	14.5	49.6	68.2	-18.6	Peak	Vertical
	11510.2	34.3	19.4	53.7	74.0	-20.3	Peak	Vertical
	11510.2	23.5	19.4	42.9	54.0	-11.1	Average	Vertical
	15722.0	31.8	20.5	52.3	74.0	-21.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/20
Test Mode:	802.11ac-VHT40 - Ant 0	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
*	7987.0	35.2	12.5	47.7	68.2	-20.5	Peak	Horizontal
*	9517.0	34.9	14.4	49.3	68.2	-18.9	Peak	Horizontal
	10979.0	33.5	18.5	52.0	74.0	-22.0	Peak	Horizontal
	12585.5	33.3	18.7	52.0	74.0	-22.0	Peak	Horizontal
*	7647.0	34.8	12.5	47.3	68.2	-20.9	Peak	Vertical
*	9959.0	35.5	15.3	50.8	68.2	-17.4	Peak	Vertical
	11582.5	32.2	19.5	51.7	74.0	-22.3	Peak	Vertical
	15688.0	31.7	20.5	52.2	74.0	-21.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/20
Test Mode:	802.11ac-VHT80 - Ant 0	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	35.6	12.4	48.0	68.2	-20.2	Peak	Horizontal
*	9772.0	36.3	14.9	51.2	68.2	-17.0	Peak	Horizontal
	11514.5	33.9	19.4	53.3	74.0	-20.7	Peak	Horizontal
	15713.5	31.8	20.5	52.3	74.0	-21.7	Peak	Horizontal
*	7808.5	35.5	12.4	47.9	68.2	-20.3	Peak	Vertical
*	9661.5	34.8	14.5	49.3	68.2	-18.9	Peak	Vertical
	11557.0	33.5	19.5	53.0	74.0	-21.0	Peak	Vertical
	15773.0	31.8	20.4	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)

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/20
Test Mode:	802.11ac-VHT80 - Ant 0	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
*	8633.0	33.9	13.5	47.4	68.2	-20.8	Peak	Horizontal
*	10018.5	35.3	15.4	50.7	68.2	-17.5	Peak	Horizontal
	11565.5	33.6	19.5	53.1	74.0	-20.9	Peak	Horizontal
	15773.0	32.2	20.4	52.6	74.0	-21.4	Peak	Horizontal
*	7783.0	35.5	12.4	47.9	68.2	-20.3	Peak	Vertical
*	9619.0	35.0	14.4	49.4	68.2	-18.8	Peak	Vertical
	11506.0	33.7	19.4	53.1	74.0	-20.9	Peak	Vertical
	13367.5	31.5	21.2	52.7	74.0	-21.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/20
Test Mode:	802.11a - Ant 1	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
*	8565.0	34.0	13.3	47.3	68.2	-20.9	Peak	Horizontal
*	10367.0	36.3	16.8	53.1	68.2	-15.1	Peak	Horizontal
	11599.5	33.4	19.4	52.8	74.0	-21.2	Peak	Horizontal
	16045.0	32.4	20.3	52.7	74.0	-21.3	Peak	Horizontal
*	8803.0	33.2	14.0	47.2	68.2	-21.0	Peak	Vertical
*	10367.0	39.0	16.8	55.8	68.2	-12.4	Peak	Vertical
	12118.0	34.1	18.9	53.0	74.0	-21.0	Peak	Vertical
	16164.0	31.9	20.6	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)

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/20
Test Mode:	802.11a - Ant 1	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
*	7876.5	35.7	12.4	48.1	68.2	-20.1	Peak	Horizontal
*	9687.0	34.8	14.6	49.4	68.2	-18.8	Peak	Horizontal
	11667.5	32.8	19.3	52.1	74.0	-21.9	Peak	Horizontal
	15688.0	31.6	20.5	52.1	74.0	-21.9	Peak	Horizontal
*	8599.0	33.7	13.4	47.1	68.2	-21.1	Peak	Vertical
*	10443.5	37.1	17.1	54.2	68.2	-14.0	Peak	Vertical
	12084.0	34.0	18.9	52.9	74.0	-21.1	Peak	Vertical
	13308.0	31.7	20.9	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)

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/20
Test Mode:	802.11a - Ant 1	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	34.7	12.4	47.1	68.2	-21.1	Peak	Horizontal
*	9687.0	36.2	14.6	50.8	68.2	-17.4	Peak	Horizontal
	11650.5	33.9	19.3	53.2	74.0	-20.8	Peak	Horizontal
	15492.5	32.5	20.7	53.2	74.0	-20.8	Peak	Horizontal
*	8871.0	32.7	14.0	46.7	68.2	-21.5	Peak	Vertical
*	10477.5	37.4	17.1	54.5	68.2	-13.7	Peak	Vertical
	12092.5	32.9	18.9	51.8	74.0	-22.2	Peak	Vertical
	15721.7	34.8	20.5	55.3	74.0	-18.7	Peak	Vertical
	15721.7	23.9	20.5	44.4	54.0	-9.6	Average	Vertical

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

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/20
Test Mode:	802.11a - Ant 1	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
*	8607.5	34.5	13.5	48.0	68.2	-20.2	Peak	Horizontal
*	9678.5	35.8	14.6	50.4	68.2	-17.8	Peak	Horizontal
	11472.0	34.2	19.3	53.5	74.0	-20.5	Peak	Horizontal
	12628.0	33.5	18.7	52.2	74.0	-21.8	Peak	Horizontal
*	8641.5	34.0	13.5	47.5	68.2	-20.7	Peak	Vertical
*	9695.5	35.5	14.6	50.1	68.2	-18.1	Peak	Vertical
	11489.0	33.6	19.3	52.9	74.0	-21.1	Peak	Vertical
	11490.0	23.1	19.3	42.4	54.0	-11.6	Average	Vertical
	15662.5	32.1	20.4	52.5	74.0	-21.5	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/20
Test Mode:	802.11a - Ant 1	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
*	7953.0	34.4	12.5	46.9	68.2	-21.3	Peak	Horizontal
*	9517.0	34.0	14.4	48.4	68.2	-19.8	Peak	Horizontal
	11540.0	33.3	19.4	52.7	74.0	-21.3	Peak	Horizontal
	13350.5	32.0	21.1	53.1	74.0	-20.9	Peak	Horizontal
*	7859.5	34.9	12.4	47.3	68.2	-20.9	Peak	Vertical
*	9925.0	35.3	15.3	50.6	68.2	-17.6	Peak	Vertical
	11575.9	34.4	19.5	53.9	74.0	-20.1	Peak	Vertical
	11575.9	23.7	19.5	43.2	54.0	-10.8	Average	Vertical
	13350.5	32.1	21.1	53.2	74.0	-20.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/20
Test Mode:	802.11a - Ant 1	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
*	8777.5	32.9	13.9	46.8	68.2	-21.4	Peak	Horizontal
*	9763.5	34.9	14.9	49.8	68.2	-18.4	Peak	Horizontal
	11650.0	34.2	19.3	53.5	74.0	-20.5	Peak	Horizontal
	11650.0	24.1	19.3	43.4	54.0	-10.6	Average	Horizontal
	13308.0	31.7	20.9	52.6	74.0	-21.4	Peak	Horizontal
*	8616.0	33.7	13.5	47.2	68.2	-21.0	Peak	Vertical
*	9619.0	35.1	14.4	49.5	68.2	-18.7	Peak	Vertical
	11650.0	33.7	19.3	53.0	74.0	-21.0	Peak	Vertical
	11650.0	22.7	19.3	42.0	54.0	-12.0	Average	Vertical
	16011.0	31.5	20.4	51.9	74.0	-22.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/21
Test Mode:	802.11n-HT20 - Ant 1	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
*	7910.5	35.0	12.4	47.4	68.2	-20.8	Peak	Horizontal
*	9619.0	35.4	14.4	49.8	68.2	-18.4	Peak	Horizontal
	11149.0	33.2	18.7	51.9	74.0	-22.1	Peak	Horizontal
	12628.0	33.6	18.7	52.3	74.0	-21.7	Peak	Horizontal
*	8616.0	34.4	13.5	47.9	68.2	-20.3	Peak	Vertical
*	10367.0	38.7	16.8	55.5	68.2	-12.7	Peak	Vertical
	12092.5	34.4	18.9	53.3	74.0	-20.7	Peak	Vertical
	13316.5	30.9	20.9	51.8	74.0	-22.2	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/21
Test Mode:	802.11n-HT20 - Ant 1	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
*	8624.5	33.9	13.5	47.4	68.2	-20.8	Peak	Horizontal
*	9678.5	35.1	14.6	49.7	68.2	-18.5	Peak	Horizontal
	11489.0	34.6	19.3	53.9	74.0	-20.1	Peak	Horizontal
	12619.5	32.9	18.7	51.6	74.0	-22.4	Peak	Horizontal
*	8879.5	33.1	14.0	47.1	68.2	-21.1	Peak	Vertical
*	10435.0	37.2	17.0	54.2	68.2	-14.0	Peak	Vertical
	12126.5	33.9	18.9	52.8	74.0	-21.2	Peak	Vertical
	13291.0	31.8	20.8	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)

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/21
Test Mode:	802.11n-HT20 - Ant 1	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
*	7859.5	33.7	12.4	46.1	68.2	-22.1	Peak	Horizontal
*	9687.0	35.0	14.6	49.6	68.2	-18.6	Peak	Horizontal
	10877.0	33.7	18.2	51.9	74.0	-22.1	Peak	Horizontal
	12237.0	32.4	18.7	51.1	74.0	-22.9	Peak	Horizontal
*	7953.0	34.5	12.5	47.0	68.2	-21.2	Peak	Vertical
*	10477.5	36.9	17.1	54.0	68.2	-14.2	Peak	Vertical
	11531.5	33.4	19.4	52.8	74.0	-21.2	Peak	Vertical
	13367.5	31.8	21.2	53.0	74.0	-21.0	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/21
Test Mode:	802.11n-HT20 - Ant 1	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
*	7817.0	34.2	12.4	46.6	68.2	-21.6	Peak	Horizontal
*	9636.0	35.4	14.4	49.8	68.2	-18.4	Peak	Horizontal
	10732.5	32.6	17.6	50.2	74.0	-23.8	Peak	Horizontal
	12084.0	33.3	18.9	52.2	74.0	-21.8	Peak	Horizontal
*	8624.5	34.2	13.5	47.7	68.2	-20.5	Peak	Vertical
*	9933.5	34.9	15.3	50.2	68.2	-18.0	Peak	Vertical
	11489.0	33.4	19.3	52.7	74.0	-21.3	Peak	Vertical
	13376.0	32.7	21.3	54.0	74.0	-20.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/21
Test Mode:	802.11n-HT20 - Ant 1	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
*	8650.0	34.7	13.6	48.3	68.2	-19.9	Peak	Horizontal
*	9721.0	33.9	14.7	48.6	68.2	-19.6	Peak	Horizontal
	11574.0	33.5	19.5	53.0	74.0	-21.0	Peak	Horizontal
	13350.5	32.0	21.1	53.1	74.0	-20.9	Peak	Horizontal
*	8633.0	33.9	13.5	47.4	68.2	-20.8	Peak	Vertical
*	10001.5	35.4	15.4	50.8	68.2	-17.4	Peak	Vertical
	11569.8	34.5	19.5	54.0	74.0	-20.0	Peak	Vertical
	11569.8	21.8	19.5	41.3	54.0	-12.7	Average	Vertical
	13316.5	30.5	20.9	51.4	74.0	-22.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/21
Test Mode:	802.11n-HT20 - Ant 1	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
*	7970.0	34.8	12.5	47.3	68.2	-20.9	Peak	Horizontal
*	9874.0	34.0	15.8	49.8	68.2	-18.4	Peak	Horizontal
	11650.0	34.4	19.4	53.8	74.0	-20.2	Peak	Horizontal
	11650.0	24.1	19.3	43.4	54.0	-10.6	Average	Horizontal
	13393.0	31.7	21.4	53.1	74.0	-20.9	Peak	Horizontal
*	7834.0	34.9	12.4	47.3	68.2	-20.9	Peak	Vertical
*	9678.5	36.0	14.6	50.6	68.2	-17.6	Peak	Vertical
	11650.0	33.6	19.4	53.0	74.0	-21.0	Peak	Vertical
	11650.0	25.5	19.3	44.8	54.0	-9.2	Average	Vertical
	13316.5	31.6	20.9	52.5	74.0	-21.5	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/21
Test Mode:	802.11n-HT40 - Ant 1	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
*	8667.0	33.1	13.6	46.7	68.2	-21.5	Peak	Horizontal
*	10112.0	35.3	15.8	51.1	68.2	-17.1	Peak	Horizontal
	10894.0	34.5	18.3	52.8	74.0	-21.2	Peak	Horizontal
	12143.5	33.3	18.9	52.2	74.0	-21.8	Peak	Horizontal
*	8701.0	33.6	13.8	47.4	68.2	-20.8	Peak	Vertical
*	9942.0	34.2	15.3	49.5	68.2	-18.7	Peak	Vertical
	11633.5	33.0	19.4	52.4	74.0	-21.6	Peak	Vertical
	13308.0	31.2	20.9	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)

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/21
Test Mode:	802.11n-HT40 - Ant 1	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
*	8616.0	33.4	13.5	46.9	68.2	-21.3	Peak	Horizontal
*	9814.5	33.3	15.4	48.7	68.2	-19.5	Peak	Horizontal
	11506.0	33.0	19.4	52.4	74.0	-21.6	Peak	Horizontal
	12517.5	32.7	18.6	51.3	74.0	-22.7	Peak	Horizontal
*	8607.5	33.9	13.5	47.4	68.2	-20.8	Peak	Vertical
*	10469.0	36.2	17.1	53.3	68.2	-14.9	Peak	Vertical
	11251.0	33.4	18.8	52.2	74.0	-21.8	Peak	Vertical
	13384.5	31.9	21.3	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)

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/21
Test Mode:	802.11n-HT40 - Ant 1	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
*	8650.0	34.0	13.6	47.6	68.2	-20.6	Peak	Horizontal
*	9585.0	35.5	14.4	49.9	68.2	-18.3	Peak	Horizontal
	10902.5	33.5	18.3	51.8	74.0	-22.2	Peak	Horizontal
	12262.5	33.5	18.6	52.1	74.0	-21.9	Peak	Horizontal
*	8862.5	33.9	14.0	47.9	68.2	-20.3	Peak	Vertical
*	10044.0	35.4	15.5	50.9	68.2	-17.3	Peak	Vertical
	11625.0	33.8	19.4	53.2	74.0	-20.8	Peak	Vertical
	15798.5	31.8	20.4	52.2	74.0	-21.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/21
Test Mode:	802.11n-HT40 - Ant 1	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
*	8624.5	34.0	13.5	47.5	68.2	-20.7	Peak	Horizontal
*	9721.0	34.1	14.7	48.8	68.2	-19.4	Peak	Horizontal
	11591.0	33.4	19.5	52.9	74.0	-21.1	Peak	Horizontal
	15994.0	31.8	20.4	52.2	74.0	-21.8	Peak	Horizontal
*	7876.5	34.2	12.4	46.6	68.2	-21.6	Peak	Vertical
*	9653.0	35.2	14.5	49.7	68.2	-18.5	Peak	Vertical
	10979.0	34.0	18.5	52.5	74.0	-21.5	Peak	Vertical
	12483.5	32.5	18.5	51.0	74.0	-23.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/21
Test Mode:	802.11ac-VHT20 - Ant 1	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
*	7953.0	34.9	12.5	47.4	68.2	-20.8	Peak	Horizontal
*	9840.0	33.9	16.0	49.9	68.2	-18.3	Peak	Horizontal
	11625.0	32.9	19.4	52.3	74.0	-21.7	Peak	Horizontal
	15994.0	32.5	20.4	52.9	74.0	-21.1	Peak	Horizontal
*	8701.0	33.4	13.8	47.2	68.2	-21.0	Peak	Vertical
*	10358.5	38.1	16.8	54.9	68.2	-13.3	Peak	Vertical
	11633.5	33.2	19.4	52.6	74.0	-21.4	Peak	Vertical
	13308.0	32.2	20.9	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)

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/21
Test Mode:	802.11ac-VHT20 - Ant 1	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
*	7808.5	34.0	12.4	46.4	68.2	-21.8	Peak	Horizontal
*	10171.5	33.0	16.1	49.1	68.2	-19.1	Peak	Horizontal
	11582.5	32.5	19.5	52.0	74.0	-22.0	Peak	Horizontal
	13265.5	33.2	20.6	53.8	74.0	-20.2	Peak	Horizontal
*	8624.5	34.4	13.5	47.9	68.2	-20.3	Peak	Vertical
*	10435.0	37.9	17.0	54.9	68.2	-13.3	Peak	Vertical
	11531.5	32.9	19.4	52.3	74.0	-21.7	Peak	Vertical
	13325.0	31.6	21.0	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)

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/21
Test Mode:	802.11ac-VHT20 - Ant 1	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
*	8837.0	32.7	14.0	46.7	68.2	-21.5	Peak	Horizontal
*	9738.0	34.2	14.8	49.0	68.2	-19.2	Peak	Horizontal
	11115.0	33.9	18.6	52.5	74.0	-21.5	Peak	Horizontal
	12092.5	34.3	18.9	53.2	74.0	-20.8	Peak	Horizontal
*	8735.0	32.4	13.9	46.3	68.2	-21.9	Peak	Vertical
*	10477.5	38.6	17.1	55.7	68.2	-12.5	Peak	Vertical
	11574.0	33.5	19.5	53.0	74.0	-21.0	Peak	Vertical
	13282.5	31.3	20.7	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)

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/21
Test Mode:	802.11ac-VHT20 - Ant 1	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
*	8769.0	32.4	13.9	46.3	68.2	-21.9	Peak	Horizontal
*	9678.5	34.0	14.6	48.6	68.2	-19.6	Peak	Horizontal
	10962.0	33.2	18.4	51.6	74.0	-22.4	Peak	Horizontal
	11574.0	32.7	19.5	52.2	74.0	-21.8	Peak	Horizontal
*	8624.5	33.8	13.5	47.3	68.2	-20.9	Peak	Vertical
*	9627.5	35.9	14.4	50.3	68.2	-17.9	Peak	Vertical
	10894.0	33.1	18.3	51.4	74.0	-22.6	Peak	Vertical
	12296.5	34.3	18.6	52.9	74.0	-21.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/21
Test Mode:	802.11ac-VHT20 - Ant 1	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
*	8794.5	33.3	13.9	47.2	68.2	-21.0	Peak	Horizontal
*	9670.0	34.7	14.5	49.2	68.2	-19.0	Peak	Horizontal
	10860.0	33.6	18.2	51.8	74.0	-22.2	Peak	Horizontal
	11140.5	33.4	18.7	52.1	74.0	-21.9	Peak	Horizontal
*	8862.5	33.0	14.0	47.0	68.2	-21.2	Peak	Vertical
*	9780.5	35.4	14.9	50.3	68.2	-17.9	Peak	Vertical
	10877.0	34.0	18.2	52.2	74.0	-21.8	Peak	Vertical
	11574.0	33.5	19.5	53.0	74.0	-21.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/21
Test Mode:	802.11ac-VHT20 - Ant 1	Test Channel:	165
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8786.0	33.4	13.9	47.3	68.2	-20.9	Peak	Horizontal
*	9746.5	35.2	14.8	50.0	68.2	-18.2	Peak	Horizontal
	11072.5	33.5	18.6	52.1	74.0	-21.9	Peak	Horizontal
	11650.5	33.4	19.3	52.7	74.0	-21.3	Peak	Horizontal
*	8616.0	34.0	13.5	47.5	68.2	-20.7	Peak	Vertical
*	9789.0	34.5	15.0	49.5	68.2	-18.7	Peak	Vertical
	11191.5	33.0	18.7	51.7	74.0	-22.3	Peak	Vertical
	11650.5	32.4	21.0	53.4	74.0	-20.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/13
Test Mode:	802.11ac-VHT40 - Ant 1	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
*	8871.0	32.8	14.0	46.8	68.2	-21.4	Peak	Horizontal
*	9721.0	35.3	14.7	50	68.2	-18.2	Peak	Horizontal
	10919.5	33.8	18.4	52.2	74.0	-21.8	Peak	Horizontal
	11599.5	33.4	19.4	52.8	74.0	-21.2	Peak	Horizontal
*	8871.0	32.8	14.0	46.8	68.2	-21.4	Peak	Vertical
*	9721.0	35.3	14.7	50	68.2	-18.2	Peak	Vertical
	10919.5	33.8	18.4	52.2	74.0	-21.8	Peak	Vertical
	11599.5	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)

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/13
Test Mode:	802.11ac-VHT40 - Ant 1	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
*	8658.5	33.7	13.6	47.3	68.2	-20.9	Peak	Horizontal
*	9831.5	32.7	15.9	48.6	68.2	-19.6	Peak	Horizontal
	10698.5	33.5	17.5	51.0	74.0	-23.0	Peak	Horizontal
	11463.5	33.5	19.3	52.8	74.0	-21.2	Peak	Horizontal
*	8633.0	33.5	13.5	47.0	68.2	-21.2	Peak	Vertical
*	9874.0	34.3	15.8	50.1	68.2	-18.1	Peak	Vertical
	11081.0	33.1	18.6	51.7	74.0	-22.3	Peak	Vertical
	11599.5	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)

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/13
Test Mode:	802.11ac-VHT40 - Ant 1	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
*	8828.5	32.6	14.0	46.6	68.2	-21.6	Peak	Horizontal
*	9772.0	34.6	14.9	49.5	68.2	-18.7	Peak	Horizontal
	11463.5	33.0	19.3	52.3	74.0	-21.7	Peak	Horizontal
	12075.5	34.3	18.9	53.2	74.0	-20.8	Peak	Horizontal
*	8743.5	32.6	13.9	46.5	68.2	-21.7	Peak	Vertical
*	9772.0	34.8	14.9	49.7	68.2	-18.5	Peak	Vertical
	11251.0	33.3	18.8	52.1	74.0	-21.9	Peak	Vertical
	11514.5	33.0	19.4	52.4	74.0	-21.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/13
Test Mode:	802.11ac-VHT40 - Ant 1	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
*	8845.5	32.2	14.0	46.2	68.2	-22.0	Peak	Horizontal
*	9840.0	32.9	16.0	48.9	68.2	-19.3	Peak	Horizontal
	10894.0	33.3	18.3	51.6	74.0	-22.4	Peak	Horizontal
	11565.5	33.9	19.5	53.4	74.0	-20.6	Peak	Horizontal
*	8616.0	33.3	13.5	46.8	68.2	-21.4	Peak	Vertical
*	9729.5	34.8	14.7	49.5	68.2	-18.7	Peak	Vertical
	10919.5	33.7	18.4	52.1	74.0	-21.9	Peak	Vertical
	11650.5	33.1	19.3	52.4	74.0	-21.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/13
Test Mode:	802.11ac-VHT80 - Ant 1	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
*	8811.5	31.7	14.0	45.7	68.2	-22.5	Peak	Horizontal
*	9738.0	33.9	14.8	48.7	68.2	-19.5	Peak	Horizontal
	10860.0	35.1	18.2	53.3	74.0	-20.7	Peak	Horizontal
	11531.5	33.4	19.4	52.8	74.0	-21.2	Peak	Horizontal
*	8633.0	34.6	13.5	48.1	68.2	-20.1	Peak	Vertical
*	9933.5	35.2	15.3	50.5	68.2	-17.7	Peak	Vertical
	10911.0	34.0	18.4	52.4	74.0	-21.6	Peak	Vertical
	12092.5	34.1	18.9	53.0	74.0	-21.0	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/13
Test Mode:	802.11ac-VHT80 - Ant 1	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
*	8811.5	32.2	14.0	46.2	68.2	-22.0	Peak	Horizontal
*	9721.0	33.7	14.7	48.4	68.2	-19.8	Peak	Horizontal
	10928.0	32.4	18.4	50.8	74.0	-23.2	Peak	Horizontal
	11540.0	33.2	19.4	52.6	74.0	-21.4	Peak	Horizontal
*	8633.0	35.3	13.5	48.8	68.2	-19.4	Peak	Vertical
*	9704.0	35.4	14.6	50.0	68.2	-18.2	Peak	Vertical
	10885.5	34.2	18.3	52.5	74.0	-21.5	Peak	Vertical
	11659.0	33.9	19.3	53.2	74.0	-20.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11a - Ant 0+1 (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
*	7953.0	33.4	12.5	45.9	68.2	-22.3	Peak	Horizontal
*	10095.0	33.8	15.7	49.5	68.2	-18.7	Peak	Horizontal
	10732.5	32.6	17.6	50.2	74.0	-23.8	Peak	Horizontal
	11803.5	31.1	18.7	49.8	74.0	-24.2	Peak	Horizontal
*	7069.0	36.0	11.2	47.2	68.2	-21.0	Peak	Vertical
*	7953.0	35.9	12.5	48.4	68.2	-19.8	Peak	Vertical
	9381.0	33.0	14.5	47.5	74.0	-26.5	Peak	Vertical
	11149.0	32.4	18.7	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11a - Ant 0+1 (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
*	7043.5	35.2	11.0	46.2	68.2	-22.0	Peak	Horizontal
*	8854.0	32.3	14.0	46.3	68.2	-21.9	Peak	Horizontal
	10979.0	33.3	18.5	51.8	74.0	-22.2	Peak	Horizontal
	13308.0	31.5	20.9	52.4	74.0	-21.6	Peak	Horizontal
*	7205.0	34.9	12.1	47.0	68.2	-21.2	Peak	Vertical
*	7885.0	35.8	12.4	48.2	68.2	-20.0	Peak	Vertical
	9143.0	32.8	14.6	47.4	74.0	-26.6	Peak	Vertical
	11582.5	32.0	19.5	51.5	74.0	-22.5	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11a - Ant 0+1 (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
*	8616.0	33.6	13.5	47.1	68.2	-21.1	Peak	Horizontal
*	9551.0	33.5	14.4	47.9	68.2	-20.3	Peak	Horizontal
	10877.0	32.9	18.2	51.1	74.0	-22.9	Peak	Horizontal
	12067.0	33.5	18.8	52.3	74.0	-21.7	Peak	Horizontal
*	8599.0	34.4	13.4	47.8	68.2	-20.4	Peak	Vertical
*	10477.5	38.5	17.1	55.6	68.2	-12.6	Peak	Vertical
	12109.5	32.7	18.9	51.6	74.0	-22.4	Peak	Vertical
	15713.5	37.4	20.5	57.9	74.0	-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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11a - Ant 0+1 (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
*	7128.5	35.1	11.7	46.8	68.2	-21.4	Peak	Horizontal
*	8004.0	35.8	12.5	48.3	68.2	-19.9	Peak	Horizontal
	11490.4	34.8	19.3	54.1	74.0	-19.9	Peak	Horizontal
	11490.4	23.1	19.3	42.4	54.0	-11.6	Average	Horizontal
	12381.5	31.4	18.4	49.8	74.0	-24.2	Peak	Horizontal
*	7273.0	35.5	12.3	47.8	68.2	-20.4	Peak	Vertical
*	9211.0	33.4	14.8	48.2	68.2	-20.0	Peak	Vertical
	11490.6	36.9	19.3	56.2	74.0	-17.8	Peak	Vertical
	11490.6	24.6	19.3	43.9	54.0	-10.1	Average	Vertical
	12101.0	33.5	18.9	52.4	74.0	-21.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11a - Ant 0+1 (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
*	7205.0	34.7	12.1	46.8	68.2	-21.4	Peak	Horizontal
*	8055.0	35.7	12.5	48.2	68.2	-20.0	Peak	Horizontal
	11569.7	35.6	19.5	55.1	74.0	-18.9	Peak	Horizontal
	11569.7	23.1	19.5	42.6	54.0	-11.4	Average	Horizontal
	12016.0	32.8	18.7	51.5	74.0	-22.5	Peak	Horizontal
*	7026.5	35.5	10.8	46.3	68.2	-21.9	Peak	Vertical
*	7970.0	35.0	12.5	47.5	68.2	-20.7	Peak	Vertical
	11569.9	37.1	19.5	56.6	74.0	-17.4	Peak	Vertical
	11569.9	26.9	19.5	46.4	54.0	-7.6	Average	Vertical
	12679.0	33.4	18.7	52.1	74.0	-21.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11a - Ant 0+1 (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
*	7171.0	35.4	11.9	47.3	68.2	-20.9	Peak	Horizontal
*	8701.0	33.8	13.8	47.6	68.2	-20.6	Peak	Horizontal
	10877.0	33.7	18.2	51.9	74.0	-22.1	Peak	Horizontal
	12084.0	32.9	18.9	51.8	74.0	-22.2	Peak	Horizontal
*	7077.5	35.7	11.3	47.0	68.2	-21.2	Peak	Vertical
*	7876.5	34.2	12.4	46.6	68.2	-21.6	Peak	Vertical
	11649.8	37.5	19.4	56.9	74.0	-17.1	Peak	Vertical
	11649.8	22.8	19.3	42.1	54.0	-11.9	Average	Vertical
	12696.0	33.0	18.8	51.8	74.0	-22.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11n-HT20 - Ant 0+1 (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
*	8599.0	34.2	13.4	47.6	68.2	-20.6	Peak	Horizontal
*	9525.5	35.1	14.4	49.5	68.2	-18.7	Peak	Horizontal
	11625.0	33.6	19.4	53.0	74.0	-21.0	Peak	Horizontal
	12330.5	31.0	18.5	49.5	74.0	-24.5	Peak	Horizontal
*	7111.5	34.4	11.5	45.9	68.2	-22.3	Peak	Vertical
*	8284.5	34.0	11.9	45.9	68.2	-22.3	Peak	Vertical
	10894.0	33.6	18.3	51.9	74.0	-22.1	Peak	Vertical
	12067.0	33.3	18.8	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)

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11n-HT20 - Ant 0+1 (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
*	7970.0	35.3	12.5	47.8	68.2	-20.4	Peak	Horizontal
*	9279.0	33.0	14.7	47.7	68.2	-20.5	Peak	Horizontal
	10953.5	33.0	18.4	51.4	74.0	-22.6	Peak	Horizontal
	12381.5	33.3	18.4	51.7	74.0	-22.3	Peak	Horizontal
*	7171.0	34.3	11.9	46.2	68.2	-22.0	Peak	Vertical
*	8599.0	34.4	13.4	47.8	68.2	-20.4	Peak	Vertical
	11310.5	33.0	18.9	51.9	74.0	-22.1	Peak	Vertical
	15654.2	36.0	20.4	56.4	74.0	-17.6	Peak	Vertical
	15654.2	22.9	20.4	43.3	54.0	-10.7	Average	Vertical

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

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11n-HT20 - Ant 0+1 (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
*	7876.5	34.6	12.4	47.0	68.2	-21.2	Peak	Horizontal
*	9593.5	33.8	14.4	48.2	68.2	-20.0	Peak	Horizontal
	11132.0	32.2	18.6	50.8	74.0	-23.2	Peak	Horizontal
	12636.5	33.3	18.7	52.0	74.0	-22.0	Peak	Horizontal
*	7791.5	35.6	12.4	48.0	68.2	-20.2	Peak	Vertical
*	10477.5	38.3	17.1	55.4	68.2	-12.8	Peak	Vertical
	12398.5	31.5	18.4	49.9	74.0	-24.1	Peak	Vertical
	15713.0	37.4	20.5	57.9	74.0	-16.1	Peak	Vertical
	15713.0	24.3	20.5	44.8	54.0	-9.2	Average	Vertical

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

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11n-HT20 - Ant 0+1 (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
*	7094.5	34.4	11.4	45.8	68.2	-22.4	Peak	Horizontal
*	8871.0	32.2	14.0	46.2	68.2	-22.0	Peak	Horizontal
	11493.0	37.3	19.3	56.6	74.0	-17.4	Peak	Horizontal
	11493.0	26.3	19.3	45.6	54.0	-8.4	Average	Horizontal
	12356.0	32.7	18.4	51.1	74.0	-22.9	Peak	Horizontal
*	7060.5	34.4	11.1	45.5	68.2	-22.7	Peak	Vertical
*	8514.0	33.5	12.9	46.4	68.2	-21.8	Peak	Vertical
	11565.2	37.9	19.5	57.4	74.0	-16.6	Peak	Vertical
	11565.2	25.5	19.5	45.0	54.0	-9.0	Average	Vertical
	12152.0	33.6	18.9	52.5	74.0	-21.5	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11n-HT20 - Ant 0+1 (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
*	7247.5	33.4	12.2	45.6	68.2	-22.6	Peak	Horizontal
*	8905.0	32.5	14.0	46.5	68.2	-21.7	Peak	Horizontal
	10741.0	33.2	17.6	50.8	74.0	-23.2	Peak	Horizontal
	11567.1	37.4	19.5	56.9	74.0	-17.1	Peak	Horizontal
	11567.1	24.7	19.5	44.2	54.0	-9.8	Average	Horizontal
*	7137.0	33.8	11.7	45.5	68.2	-22.7	Peak	Vertical
*	8616.0	33.4	13.5	46.9	68.2	-21.3	Peak	Vertical
	10792.0	33.5	17.9	51.4	74.0	-22.6	Peak	Vertical
	11642.0	34.2	21.0	55.2	74.0	-18.8	Peak	Vertical
	11642.0	24.0	19.4	43.4	54.0	-10.6	Average	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11n-HT20 - Ant 0+1 (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
*	7137.0	33.8	11.7	45.5	68.2	-22.7	Peak	Horizontal
*	8616.0	33.4	13.5	46.9	68.2	-21.3	Peak	Horizontal
	10792.0	33.5	17.9	51.4	74.0	-22.6	Peak	Horizontal
	11642.0	34.2	21.0	55.2	74.0	-18.8	Peak	Horizontal
	11642.0	24.0	19.4	43.4	54.0	-10.6	Average	Horizontal
*	7043.5	35.3	11.0	46.3	68.2	-21.9	Peak	Vertical
*	7953.0	35.3	12.5	47.8	68.2	-20.4	Peak	Vertical
	11647.0	37.9	19.4	57.3	74.0	-16.7	Peak	Vertical
	11647.0	24.1	19.3	43.4	54.0	-10.6	Average	Vertical
	12041.5	33.0	18.8	51.8	74.0	-22.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11n-HT40 - Ant 0+1 (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
*	7171.0	34.5	11.9	46.4	68.2	-21.8	Peak	Horizontal
*	8565.0	33.3	13.3	46.6	68.2	-21.6	Peak	Horizontal
	11038.5	32.9	18.5	51.4	74.0	-22.6	Peak	Horizontal
	13104.0	31.4	20.1	51.5	74.0	-22.5	Peak	Horizontal
*	7851.0	34.6	12.4	47.0	68.2	-21.2	Peak	Vertical
*	8590.5	32.2	13.4	45.6	68.2	-22.6	Peak	Vertical
	10622.0	32.6	17.3	49.9	74.0	-24.1	Peak	Vertical
	13104.0	31.0	20.1	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11n-HT40 - Ant 0+1 (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
*	7856.0	34.4	12.4	46.8	68.2	-21.4	Peak	Horizontal
*	8862.5	33.4	14.0	47.4	68.2	-20.8	Peak	Horizontal
	10647.5	33.4	17.4	50.8	74.0	-23.2	Peak	Horizontal
	11956.5	32.7	18.6	51.3	74.0	-22.7	Peak	Horizontal
*	8624.5	34.4	13.5	47.9	68.2	-20.3	Peak	Vertical
*	10469.0	37.8	17.1	54.9	68.2	-13.3	Peak	Vertical
	11268.0	33.2	18.8	52.0	74.0	-22.0	Peak	Vertical
	12381.5	32.5	18.4	50.9	74.0	-23.1	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11n-HT40 - Ant 0+1 (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
*	7077.5	34.5	11.3	45.8	68.2	-22.4	Peak	Horizontal
*	8658.5	31.8	13.6	45.4	68.2	-22.8	Peak	Horizontal
	10877.0	32.9	18.2	51.1	74.0	-22.9	Peak	Horizontal
	12381.5	32.2	18.4	50.6	74.0	-23.4	Peak	Horizontal
*	7893.5	35.6	12.4	48.0	68.2	-20.2	Peak	Vertical
*	9610.5	34.6	14.4	49.0	68.2	-19.2	Peak	Vertical
	11512.5	35.2	19.4	54.6	74.0	-19.4	Peak	Vertical
	11512.5	26.4	19.4	45.8	54.0	-8.2	Average	Vertical
	12271.0	31.8	18.6	50.4	74.0	-23.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11n-HT40 - Ant 0+1 (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
*	7893.5	35.6	12.4	48.0	68.2	-20.2	Peak	Horizontal
*	9508.5	33.4	14.4	47.8	68.2	-20.4	Peak	Horizontal
	11820.5	32.1	18.7	50.8	74.0	-23.2	Peak	Horizontal
	12441.0	32.0	18.4	50.4	74.0	-23.6	Peak	Horizontal
*	8055.0	36.4	12.5	48.9	68.2	-19.3	Peak	Vertical
*	9593.5	34.3	14.4	48.7	68.2	-19.5	Peak	Vertical
	11591.3	34.4	19.5	53.9	74.0	-20.1	Peak	Vertical
	11591.3	18.0	19.5	37.5	54.0	-16.5	Average	Vertical
	12662.0	31.2	18.7	49.9	74.0	-24.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11ac-VHT20 - Ant 0+1 (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
*	7921.0	35.7	12.5	48.2	68.2	-20.0	Peak	Horizontal
*	9542.5	33.9	14.4	48.3	68.2	-19.9	Peak	Horizontal
	11599.5	30.8	19.4	50.2	74.0	-23.8	Peak	Horizontal
	12645.2	34.9	18.7	53.6	74.0	-20.4	Peak	Horizontal
	12645.2	19.0	18.7	37.7	54.0	-16.3	Average	Vertical
*	8922.0	32.4	14.0	46.4	68.2	-21.8	Peak	Vertical
*	10358.5	34.4	18.5	52.9	68.2	-15.3	Peak	Vertical
	11540.0	30.9	19.4	50.3	74.0	-23.7	Peak	Vertical
	12211.5	31.2	18.8	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11ac-VHT20 - Ant 0+1 (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
*	7876.5	34.1	12.4	46.5	68.2	-21.7	Peak	Horizontal
*	10452.0	34.9	18.5	53.4	68.2	-14.8	Peak	Horizontal
	11735.5	31.7	19.0	50.7	74.0	-23.3	Peak	Horizontal
	15665.8	35.1	20.4	55.5	74.0	-18.5	Peak	Horizontal
	15665.8	22.6	20.4	43.0	54.0	-11.0	Average	Horizontal
*	8607.5	32.6	13.5	46.1	68.2	-22.1	Peak	Vertical
*	10452.0	36.1	18.5	54.6	68.2	-13.6	Peak	Vertical
	11905.5	31.4	18.6	50.0	74.0	-24.0	Peak	Vertical
	15661.0	37.0	20.4	57.4	74.0	-16.6	Peak	Vertical
	15661.0	25.2	20.4	45.6	54.0	-8.4	Average	Vertical

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

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11ac-VHT20 - Ant 0+1 (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
*	7944.5	33.3	12.5	45.8	68.2	-22.4	Peak	Horizontal
*	8701.0	31.2	13.8	45.0	68.2	-23.2	Peak	Horizontal
	11820.5	30.4	18.7	49.1	74.0	-24.9	Peak	Horizontal
	15715.7	37.3	20.5	57.8	74.0	-16.2	Peak	Horizontal
	15715.7	23.4	20.5	43.9	54.0	-10.1	Average	Horizontal
*	7978.5	35.4	12.5	47.9	68.2	-20.3	Peak	Vertical
*	10469.0	37.2	18.7	55.9	68.2	-12.3	Peak	Vertical
	11642.0	32.4	19.4	51.8	74.0	-22.2	Peak	Vertical
	15715.7	37.4	20.5	57.9	74.0	-16.1	Peak	Vertical
	15715.7	25.3	20.5	45.8	54.0	-8.2	Average	Vertical

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

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/11
Test Mode:	802.11ac-VHT20 - Ant 0+1 (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
*	8505.5	32.9	12.9	45.8	68.2	-22.4	Peak	Horizontal
*	9636.0	34.0	14.4	48.4	68.2	-19.8	Peak	Horizontal
	11493.3	35.1	19.3	54.4	74.0	-19.6	Peak	Horizontal
	11493.3	26.1	19.3	45.4	54.0	-8.6	Average	Horizontal
	12526.0	31.5	18.6	50.1	74.0	-23.9	Peak	Horizontal
*	8038.0	35.7	12.5	48.2	68.2	-20.0	Peak	Vertical
*	8947.5	32.9	14.0	46.9	68.2	-21.3	Peak	Vertical
	11493.1	37.8	19.3	57.1	74.0	-16.9	Peak	Vertical
	11493.1	27.1	19.3	46.4	54.0	-7.6	Average	Vertical
	12220.0	32.3	18.7	51.0	74.0	-23.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/11
Test Mode:	802.11ac-VHT20 - Ant 0+1 (CDD Mode)	Test Channel:	157
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8658.5	34.2	13.6	47.8	68.2	-20.4	Peak	Horizontal
*	10384.0	33.4	16.9	50.3	68.2	-17.9	Peak	Horizontal
	11569.6	37.2	19.5	56.7	74.0	-17.3	Peak	Horizontal
	11569.6	26.8	19.5	46.3	54.0	-7.7	Average	Horizontal
	12415.5	32.3	18.4	50.7	74.0	-23.3	Peak	Horizontal
*	8811.5	30.5	14.0	44.5	68.2	-23.7	Peak	Vertical
*	10078.0	32.9	15.6	48.5	68.2	-19.7	Peak	Vertical
	11568.9	37.9	19.5	57.4	74.0	-16.6	Peak	Vertical
	11568.9	28.7	19.5	48.2	54.0	-5.8	Average	Vertical
	12288.0	32.3	18.6	50.9	74.0	-23.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/11
Test Mode:	802.11ac-VHT20 - Ant 0+1 (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
*	8508.0	34.2	11.9	46.1	68.2	-22.1	Peak	Horizontal
*	10231.0	34.5	16.4	50.9	68.2	-17.3	Peak	Horizontal
	11649.5	35.2	19.4	54.6	74.0	-19.4	Peak	Horizontal
	11649.5	25.1	19.3	44.4	54.0	-9.6	Average	Horizontal
	12517.5	32.3	18.6	50.9	74.0	-23.1	Peak	Horizontal
*	8930.5	32.5	14.0	46.5	68.2	-21.7	Peak	Vertical
*	10197.0	33.5	16.2	49.7	68.2	-18.5	Peak	Vertical
	11647.2	36.1	19.4	55.5	74.0	-18.5	Peak	Vertical
	11647.2	27.2	19.3	46.5	54.0	-7.5	Average	Vertical
	12551.5	32.4	18.6	51.0	74.0	-23.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/11
Test Mode:	802.11ac-VHT40 - Ant 0+1 (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
*	8930.5	32.5	14.0	46.5	68.2	-21.7	Peak	Horizontal
*	9789.0	33.1	15.0	48.1	68.2	-20.1	Peak	Horizontal
	11174.5	31.6	18.7	50.3	74.0	-23.7	Peak	Horizontal
	12211.5	31.4	18.8	50.2	74.0	-23.8	Peak	Horizontal
*	7842.5	34.9	12.4	47.3	68.2	-20.9	Peak	Vertical
*	8616.0	32.9	13.5	46.4	68.2	-21.8	Peak	Vertical
	10809.0	32.7	17.9	50.6	74.0	-23.4	Peak	Vertical
	12194.5	32.4	18.8	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/11
Test Mode:	802.11ac-VHT40 - Ant 0+1 (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
*	8616.0	32.9	13.5	46.4	68.2	-21.8	Peak	Horizontal
*	9559.5	33.3	14.4	47.7	68.2	-20.5	Peak	Horizontal
	11064.0	32.2	18.5	50.7	74.0	-23.3	Peak	Horizontal
	11948.0	31.2	18.6	49.8	74.0	-24.2	Peak	Horizontal
*	7931.5	33.3	12.2	45.5	68.2	-22.7	Peak	Vertical
*	8777.5	31.6	13.9	45.5	68.2	-22.7	Peak	Vertical
	11829.0	32.4	18.7	51.1	74.0	-22.9	Peak	Vertical
	12560.0	32.9	18.6	51.5	74.0	-22.5	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/11
Test Mode:	802.11ac-VHT40 - Ant 0+1 (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
*	7018.0	34.3	10.7	45.0	68.2	-23.2	Peak	Horizontal
*	8769.0	31.6	13.9	45.5	68.2	-22.7	Peak	Horizontal
	10945.0	32.8	18.4	51.2	74.0	-22.8	Peak	Horizontal
	11642.0	32.8	19.4	52.2	74.0	-21.8	Peak	Horizontal
*	7103.0	33.2	11.5	44.7	68.2	-23.5	Peak	Vertical
*	8769.0	31.6	13.9	45.5	68.2	-22.7	Peak	Vertical
	10639.0	32.3	17.4	49.7	74.0	-24.3	Peak	Vertical
	12330.5	30.8	18.5	49.3	74.0	-24.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/11
Test Mode:	802.11ac-VHT40 - Ant 0+1 (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
*	7188.0	34.2	12.0	46.2	68.2	-22.0	Peak	Horizontal
*	8888.0	32.6	14.0	46.6	68.2	-21.6	Peak	Horizontal
	10826.0	31.8	18.0	49.8	74.0	-24.2	Peak	Horizontal
	12220.0	30.8	18.7	49.5	74.0	-24.5	Peak	Horizontal
*	7060.5	33.3	11.1	44.4	68.2	-23.8	Peak	Vertical
*	8735.0	31.1	13.9	45.0	68.2	-23.2	Peak	Vertical
	10783.5	33.2	17.8	51.0	74.0	-23.0	Peak	Vertical
	12118.0	31.8	18.9	50.7	74.0	-23.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/11
Test Mode:	802.11ac-VHT80 - Ant 0+1 (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
*	8930.5	31.7	14.0	45.7	68.2	-22.5	Peak	Horizontal
*	9942.0	33.9	15.3	49.2	68.2	-19.0	Peak	Horizontal
	11225.5	31.4	18.8	50.2	74.0	-23.8	Peak	Horizontal
	12118.0	31.8	18.9	50.7	74.0	-23.3	Peak	Horizontal
*	8930.5	31.7	14.0	45.7	68.2	-22.5	Peak	Vertical
*	9755.0	33.0	14.8	47.8	68.2	-20.4	Peak	Vertical
	10783.5	32.5	17.8	50.3	74.0	-23.7	Peak	Vertical
	11880.0	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/11
Test Mode:	802.11ac-VHT80 - Ant 0+1 (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
*	7111.5	33.5	11.5	45.0	68.2	-23.2	Peak	Horizontal
*	8930.5	31.1	14.0	45.1	68.2	-23.1	Peak	Horizontal
	10826.0	31.9	18.0	49.9	74.0	-24.1	Peak	Horizontal
	12041.5	31.1	18.8	49.9	74.0	-24.1	Peak	Horizontal
*	7944.5	34.3	12.5	46.8	68.2	-21.4	Peak	Vertical
*	8879.5	32.7	14.0	46.7	68.2	-21.5	Peak	Vertical
	10843.0	32.1	18.1	50.2	74.0	-23.8	Peak	Vertical
	12288.0	30.7	18.6	49.3	74.0	-24.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/15
Test Mode:	802.11n-HT20 - Ant 0 + 1 (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
	7494.0	35.4	12.8	48.2	74.0	-25.8	Peak	Horizontal
*	8888.0	32.4	14.0	46.4	68.2	-21.8	Peak	Horizontal
	10928.0	33.4	18.4	51.8	74.0	-22.2	Peak	Horizontal
*	12781.0	32.9	19.0	51.9	68.2	-16.3	Peak	Horizontal
	7528.0	35.3	12.8	48.1	74.0	-25.9	Peak	Vertical
*	8718.0	33.5	13.8	47.3	68.2	-20.9	Peak	Vertical
	11106.5	33.1	18.6	51.7	74.0	-22.3	Peak	Vertical
*	13104.0	32.2	20.1	52.3	68.2	-15.9	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/15
Test Mode:	802.11n-HT20 - Ant 0 + 1 (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
	7519.5	35.8	12.8	48.6	74.0	-25.4	Peak	Horizontal
*	8956.0	33.2	14.0	47.2	68.2	-21.0	Peak	Horizontal
	11285.0	32.9	18.9	51.8	74.0	-22.2	Peak	Horizontal
*	13121.0	32.3	20.1	52.4	68.2	-15.8	Peak	Horizontal
	7519.5	35.0	12.8	47.8	74.0	-26.2	Peak	Vertical
*	8735.0	33.8	13.9	47.7	68.2	-20.5	Peak	Vertical
	10690.0	34.2	17.5	51.7	74.0	-22.3	Peak	Vertical
*	12900.0	33.1	19.5	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/15
Test Mode:	802.11n-HT20 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	48
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7519.5	34.8	12.8	47.6	74.0	-26.4	Peak	Horizontal
*	8769.0	34.2	13.9	48.1	68.2	-20.1	Peak	Horizontal
	10877.0	33.5	18.2	51.7	74.0	-22.3	Peak	Horizontal
*	12985.0	33.1	19.8	52.9	68.2	-15.3	Peak	Horizontal
	7655.5	34.6	12.5	47.1	74.0	-26.9	Peak	Vertical
*	9551.0	33.9	14.4	48.3	68.2	-19.9	Peak	Vertical
	11217.0	32.7	18.8	51.5	74.0	-22.5	Peak	Vertical
*	12840.5	32.5	19.2	51.7	68.2	-16.5	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/15
Test Mode:	802.11n-HT20 - Ant 0 + 1 (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
	7638.5	35.7	12.6	48.3	74.0	-25.7	Peak	Horizontal
*	8786.0	33.0	13.9	46.9	68.2	-21.3	Peak	Horizontal
	10877.0	33.1	18.2	51.3	74.0	-22.7	Peak	Horizontal
*	12908.5	33.0	19.5	52.5	68.2	-15.7	Average	Horizontal
	7536.5	33.6	12.8	46.4	74.0	-27.6	Peak	Horizontal
*	8718.0	33.5	13.8	47.3	68.2	-20.9	Peak	Vertical
	11489.0	33.3	19.3	52.6	74.0	-21.4	Peak	Vertical
*	13002.0	33.5	19.9	53.4	68.2	-14.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/15
Test Mode:	802.11n-HT20 - Ant 0 + 1 (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
	7451.5	34.8	12.8	47.6	74.0	-26.4	Peak	Horizontal
*	8769.0	33.2	13.9	47.1	68.2	-21.1	Peak	Horizontal
	10928.0	34.3	18.4	52.7	74.0	-21.3	Peak	Horizontal
*	12815.0	31.9	19.1	51.0	68.2	-17.2	Peak	Horizontal
	7409.0	34.6	12.6	47.2	74.0	-26.8	Peak	Vertical
*	8726.5	33.0	13.8	46.8	68.2	-21.4	Peak	Vertical
	11568.8	34.9	19.5	54.4	74.0	-19.6	Peak	Vertical
	11568.8	22.7	20.8	43.5	54.0	-10.5	Average	Vertical
*	13163.5	32.9	20.2	53.1	68.2	-15.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/15
Test Mode:	802.11n-HT20 - Ant 0 + 1 (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
	7417.5	33.5	12.6	46.1	74.0	-27.9	Peak	Horizontal
*	8743.5	32.0	13.9	45.9	68.2	-22.3	Peak	Horizontal
	11174.5	31.7	18.7	50.4	74.0	-23.6	Peak	Horizontal
*	13478.0	30.3	21.7	52.0	68.2	-16.2	Peak	Horizontal
	7587.5	32.5	12.7	45.2	74.0	-28.8	Peak	Vertical
*	8743.5	32.6	13.9	46.5	68.2	-21.7	Peak	Vertical
	11650.5	33.8	19.3	53.1	74.0	-20.9	Peak	Vertical
*	13435.5	31.5	21.6	53.1	68.2	-15.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/15
Test Mode:	802.11n-HT40 - Ant 0 + 1 (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
	7426.0	32.8	12.7	45.5	74.0	-28.5	Peak	Horizontal
*	8675.5	31.8	13.7	45.5	68.2	-22.7	Peak	Horizontal
	10911.0	32.6	18.4	51.0	74.0	-23.0	Peak	Horizontal
*	13478.0	30.1	21.7	51.8	68.2	-16.4	Peak	Horizontal
	7519.5	33.7	12.8	46.5	74.0	-27.5	Peak	Vertical
*	8735.0	31.9	13.9	45.8	68.2	-22.4	Peak	Vertical
	10902.5	32.5	18.3	50.8	74.0	-23.2	Peak	Vertical
*	13172.0	31.6	20.2	51.8	68.2	-16.4	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/15
Test Mode:	802.11n-HT40 - Ant 0 + 1 (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
	7477.0	33.4	12.8	46.2	74.0	-27.8	Peak	Horizontal
*	8692.5	31.8	13.7	45.5	68.2	-22.7	Peak	Horizontal
	11633.5	31.8	19.4	51.2	74.0	-22.8	Peak	Horizontal
*	12917.0	32.0	19.6	51.6	68.2	-16.6	Peak	Horizontal
	7434.5	33.6	12.7	46.3	74.0	-27.7	Peak	Vertical
*	8684.0	32.1	13.7	45.8	68.2	-22.4	Peak	Vertical
	10911.0	32.2	18.4	50.6	74.0	-23.4	Peak	Vertical
*	13189.0	31.2	20.3	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/15
Test Mode:	802.11n-HT40 - Ant 0 + 1 (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
	7519.5	33.1	12.8	45.9	74.0	-28.1	Peak	Horizontal
*	8658.5	31.0	13.6	44.6	68.2	-23.6	Peak	Horizontal
	11132.0	30.6	18.6	49.2	74.0	-24.8	Peak	Horizontal
*	12917.0	32.3	19.6	51.9	68.2	-16.3	Peak	Horizontal
	7519.5	33.8	12.8	46.6	74.0	-27.4	Peak	Vertical
*	8667.0	32.4	13.6	46.0	68.2	-22.2	Peak	Vertical
	10919.5	31.5	18.4	49.9	74.0	-24.1	Peak	Vertical
*	13129.5	31.1	20.1	51.2	68.2	-17.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/15
Test Mode:	802.11n-HT40 - Ant 0 + 1 (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
	7426.0	33.4	12.7	46.1	74.0	-27.9	Peak	Horizontal
*	8684.0	32.2	13.7	45.9	68.2	-22.3	Peak	Horizontal
	11004.5	32.0	18.5	50.5	74.0	-23.5	Peak	Horizontal
*	13036.0	31.3	20.0	51.3	68.2	-16.9	Peak	Horizontal
	7562.0	33.3	12.8	46.1	74.0	-27.9	Peak	Vertical
*	9245.0	33.0	14.8	47.8	68.2	-20.4	Peak	Vertical
	10902.5	31.6	18.3	49.9	74.0	-24.1	Peak	Vertical
*	12883.0	30.5	19.4	49.9	68.2	-18.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/15
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 (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
	7443.0	33.1	12.7	45.8	74.0	-28.2	Peak	Horizontal
*	8692.5	32.4	13.7	46.1	68.2	-22.1	Peak	Horizontal
	11633.5	31.9	19.4	51.3	74.0	-22.7	Peak	Horizontal
*	13180.5	31.5	20.2	51.7	68.2	-16.5	Peak	Horizontal
	7570.5	32.6	12.8	45.4	74.0	-28.6	Peak	Vertical
*	8726.5	31.8	13.8	45.6	68.2	-22.6	Peak	Vertical
	11489.0	30.8	19.3	50.1	74.0	-23.9	Peak	Vertical
*	13733.0	31.3	22.0	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/15
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 (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
	7443.0	32.9	12.7	45.6	74.0	-28.4	Peak	Horizontal
*	8667.0	31.8	13.6	45.4	68.2	-22.8	Peak	Horizontal
	10749.5	32.3	17.7	50.0	74.0	-24.0	Peak	Horizontal
*	13129.5	31.6	20.1	51.7	68.2	-16.5	Peak	Horizontal
	7570.5	33.9	12.8	46.7	74.0	-27.3	Peak	Vertical
*	9746.5	33.6	14.8	48.4	68.2	-19.8	Peak	Vertical
	11446.5	30.9	19.2	50.1	74.0	-23.9	Peak	Vertical
*	13087.0	31.7	20.1	51.8	68.2	-16.4	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/15
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 (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
	7400.5	33.4	12.6	46.0	74.0	-28.0	Peak	Horizontal
*	8684.0	32.1	13.7	45.8	68.2	-22.4	Peak	Horizontal
	10664.5	32.7	17.4	50.1	74.0	-23.9	Peak	Horizontal
*	13010.5	30.0	19.9	49.9	68.2	-18.3	Peak	Horizontal
	7528.0	32.7	12.8	45.5	74.0	-28.5	Peak	Vertical
*	9576.5	33.1	14.4	47.5	68.2	-20.7	Peak	Vertical
	10936.5	31.8	18.4	50.2	74.0	-23.8	Peak	Vertical
*	13197.5	31.1	20.3	51.4	68.2	-16.8	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/15
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 (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
	7536.5	33.3	12.8	46.1	74.0	-27.9	Peak	Horizontal
*	9253.5	32.3	14.8	47.1	68.2	-21.1	Peak	Horizontal
	11242.5	31.4	18.8	50.2	74.0	-23.8	Peak	Horizontal
*	13044.5	31.0	20.0	51.0	68.2	-17.2	Peak	Horizontal
	7485.5	32.8	12.8	45.6	74.0	-28.4	Peak	Vertical
*	9245.0	32.3	14.8	47.1	68.2	-21.1	Peak	Vertical
	10656.0	32.8	17.4	50.2	74.0	-23.8	Peak	Vertical
*	12747.0	31.7	18.9	50.6	68.2	-17.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/15
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 (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
	7451.5	33.0	12.8	45.8	74.0	-28.2	Peak	Horizontal
*	8692.5	33.0	13.7	46.7	68.2	-21.5	Peak	Horizontal
	10707.0	32.7	17.5	50.2	74.0	-23.8	Peak	Horizontal
*	12908.5	31.9	19.5	51.4	68.2	-16.8	Peak	Horizontal
	7494.0	32.6	12.8	45.4	74.0	-28.6	Peak	Vertical
*	8752.0	32.2	13.9	46.1	68.2	-22.1	Peak	Vertical
	10996.0	30.8	18.5	49.3	74.0	-24.7	Peak	Vertical
*	13095.5	31.0	20.1	51.1	68.2	-17.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/15
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 (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
	7426.0	32.8	12.7	45.5	74.0	-28.5	Peak	Horizontal
*	8709.5	32.1	13.8	45.9	68.2	-22.3	Peak	Horizontal
	10851.5	32.7	18.1	50.8	74.0	-23.2	Peak	Horizontal
*	12840.5	31.9	19.2	51.1	68.2	-17.1	Peak	Horizontal
	7502.5	33.3	12.9	46.2	74.0	-27.8	Peak	Vertical
*	9228.0	31.6	14.8	46.4	68.2	-21.8	Peak	Vertical
	11650.5	32.2	19.3	51.5	74.0	-22.5	Peak	Vertical
*	13019.0	30.9	19.9	50.8	68.2	-17.4	Peak	Vertical
	7426.0	32.8	12.7	45.5	74.0	-28.5	Average	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/15
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 (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
	7502.5	32.7	12.9	45.6	74.0	-28.4	Peak	Horizontal
*	8658.5	30.0	13.6	43.6	68.2	-24.6	Peak	Horizontal
	10775.0	33.1	17.8	50.9	74.0	-23.1	Peak	Horizontal
*	12985.0	30.9	19.8	50.7	68.2	-17.5	Peak	Horizontal
	7460.0	33.8	12.8	46.6	74.0	-27.4	Peak	Vertical
*	9636.0	33.7	14.4	48.1	68.2	-20.1	Peak	Vertical
	11106.5	30.7	18.6	49.3	74.0	-24.7	Peak	Vertical
*	12891.5	31.5	19.4	50.9	68.2	-17.3	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/15
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 (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
	7536.5	32.6	12.8	45.4	74.0	-28.6	Peak	Horizontal
*	9644.5	34.1	14.5	48.6	68.2	-19.6	Peak	Horizontal
	10877.0	32.4	18.2	50.6	74.0	-23.4	Peak	Horizontal
*	12900.0	31.0	19.5	50.5	68.2	-17.7	Peak	Horizontal
	7672.5	33.7	12.5	46.2	74.0	-27.8	Peak	Vertical
*	9287.5	31.3	14.7	46.0	68.2	-22.2	Peak	Vertical
	11370.0	31.0	19.0	50.0	74.0	-24.0	Peak	Vertical
*	12951.0	30.8	19.7	50.5	68.2	-17.7	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/15
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 (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
	7681.0	33.1	12.5	45.6	74.0	-28.4	Peak	Horizontal
*	9644.5	32.8	14.5	47.3	68.2	-20.9	Peak	Horizontal
	11157.5	32.2	18.7	50.9	74.0	-23.1	Peak	Horizontal
*	12917.0	32.9	19.6	52.5	68.2	-15.7	Peak	Horizontal
	7417.5	32.8	12.6	45.4	74.0	-28.6	Peak	Vertical
*	9780.5	32.9	14.9	47.8	68.2	-20.4	Peak	Vertical
	11514.5	31.0	19.4	50.4	74.0	-23.6	Peak	Vertical
*	13554.5	30.2	21.9	52.1	68.2	-16.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/15
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 (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
	7528.0	33.0	12.8	45.8	74.0	-28.2	Peak	Horizontal
*	9916.5	34.3	15.3	49.6	68.2	-18.6	Peak	Horizontal
	11404.0	31.9	19.1	51.0	74.0	-23.0	Peak	Horizontal
*	13605.5	31.2	21.8	53.0	68.2	-15.2	Peak	Horizontal
	7426.0	33.7	12.7	46.4	74.0	-27.6	Peak	Vertical
*	8718.0	32.1	13.8	45.9	68.2	-22.3	Peak	Vertical
	10860.0	31.8	18.2	50.0	74.0	-24.0	Peak	Vertical
*	12874.5	31.5	19.4	50.9	68.2	-17.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/15
Test Mode:	802.11ac-VHT80 - Ant 0 + 1 (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
	7451.5	33.4	12.8	46.2	74.0	-27.8	Peak	Horizontal
*	8616.0	32.7	13.5	46.2	68.2	-22.0	Peak	Horizontal
	10928.0	31.4	18.4	49.8	74.0	-24.2	Peak	Horizontal
*	13019.0	31.3	19.9	51.2	68.2	-17.0	Peak	Horizontal
	7519.5	32.3	12.8	45.1	74.0	-28.9	Peak	Vertical
*	8743.5	32.2	13.9	46.1	68.2	-22.1	Peak	Vertical
	10970.5	31.7	18.5	50.2	74.0	-23.8	Peak	Vertical
*	12985.0	30.9	19.8	50.7	68.2	-17.5	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/15
Test Mode:	802.11ac-VHT80 - Ant 0 + 1 (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
	7545.0	32.6	12.8	45.4	74.0	-28.6	Peak	Horizontal
*	9279.0	31.7	14.7	46.4	68.2	-21.8	Peak	Horizontal
	11276.5	31.5	18.8	50.3	74.0	-23.7	Peak	Horizontal
*	13036.0	31.4	20.0	51.4	68.2	-16.8	Peak	Horizontal
	7596.0	10.1	36.6	46.7	74.0	-27.3	Peak	Vertical
*	9661.5	10.5	38.1	48.6	68.2	-19.6	Peak	Vertical
	11217.0	10.2	40.0	50.2	74.0	-23.8	Peak	Vertical
*	13010.5	11.5	39.4	50.9	68.2	-17.3	Peak	Vertical

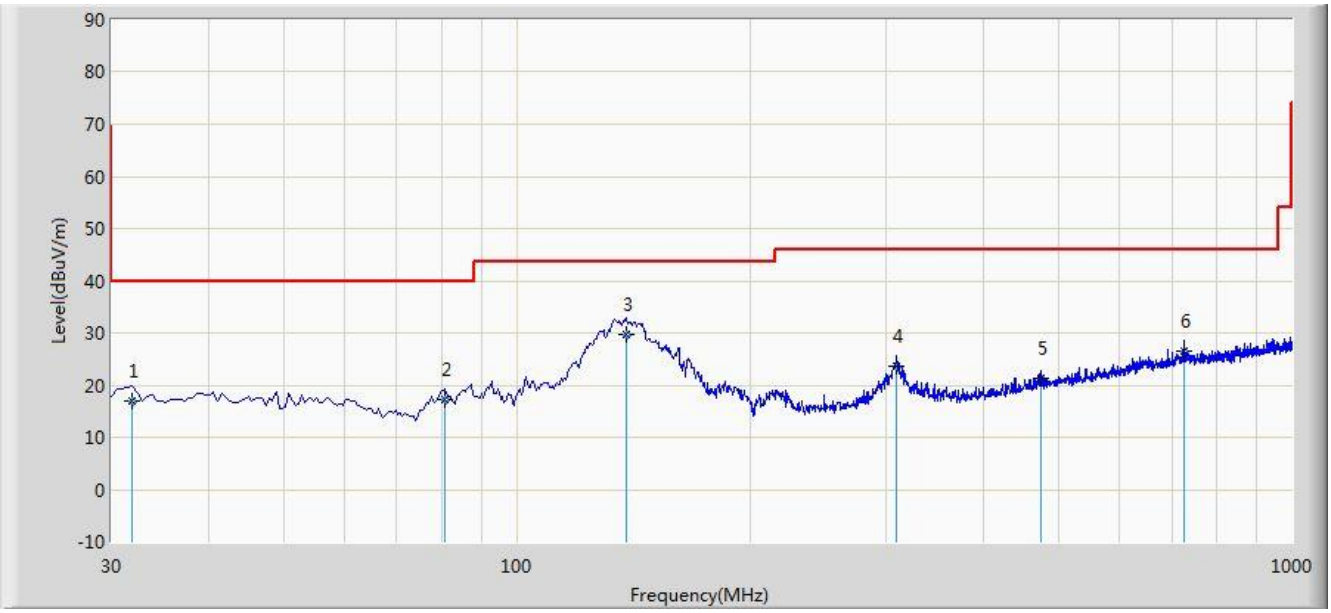
Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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: 2017/12/19 - 22:49
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: VULB9162_0.03GHz_8GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Worst Case: Transmit by 802.11a at Channel 5180MHz Ant 0	



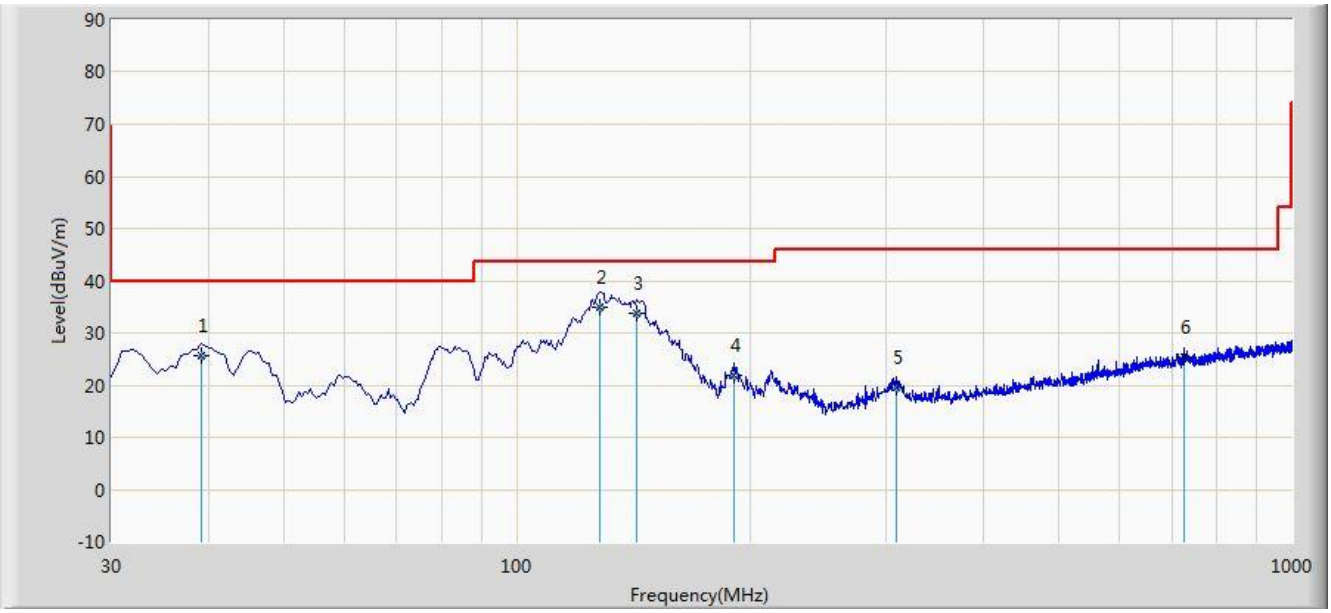
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			31.940	17.062	3.250	-22.938	40.000	13.812	QP
2			80.925	17.173	7.020	-22.827	40.000	10.153	QP
3		*	138.640	29.629	15.140	-13.871	43.500	14.488	QP
4			309.360	23.700	9.050	-22.300	46.000	14.650	QP
5			474.745	21.230	3.020	-24.770	46.000	18.210	QP
6			725.005	26.613	4.150	-19.387	46.000	22.464	QP

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + 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: 2017/12/19 - 22:51
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: VULB9162_0.03GHz_8GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Worst Case: Transmit by 802.11a at Channel 5180MHz Ant 0	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			39.215	25.566	11.020	-14.434	40.000	14.546	QP
2		*	127.970	34.854	21.140	-8.646	43.500	13.714	QP
3			142.520	33.786	19.020	-9.714	43.500	14.766	QP
4			190.535	21.842	10.140	-21.658	43.500	11.702	QP
5			308.390	19.644	5.020	-26.356	46.000	14.625	QP
6			725.005	25.483	3.020	-20.517	46.000	22.464	QP

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + 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.

7.9. Radiated Restricted Band Edge Measurement

7.9.1.Test Limit

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a) of FCC part 15, must also comply with the radiated emission limits specified in Section 15.209(a).

Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (GHz)
0.090 - 0.110	16.42-16.423	399.9 - 410	4.5-5.15
[1] 0.495 - 0.505	16.69475-16.69525	608 - 614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960 - 1240	7.25-7.75
4.125-4.128	25.5 -25.67	1300 - 1427	8.25 - 8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660 - 1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123 - 138	2200 - 2300	14.47-14.5
8.291-8.294	149.9-150.05	2310–2390	15.35-16.2
8.362-8.366	156.52475-156.525	2483.5 - 2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690 - 2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260 - 3267	23.6-24.0
12.29-12.293	167.72-173.2	3332 - 3339	31.2-31.8
12.51975-12.52025	240 - 285	3345.8 - 3358	36.43-36.5
12.57675-12.57725	322-335.4	3600 - 4400	([2])
13.36-13.41	--	--	--

For 15.407(b) requirement:

For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

For transmitters operating in the 5.725-5.85 GHz band: All emissions shall be limited to a level of −27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

Refer to KDB 789033 D02v02r01 G)2)c), as specified in § 15.407(b), emissions above 1000 MHz that are outside of the restricted bands are subject to a maximum emission limit of -27 dBm/MHz as specified in § 15.407(b)(4)). However, an out-of-band emission that complies with both the peak and

average limits of § 15.209 is not required to satisfy the -27 dBm/MHz.

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47CFR must not exceed the limits shown in Table per Section 15.209.

FCC Part 15 Subpart C Paragraph 15.209		
Frequency [MHz]	Field Strength [uV/m]	Measured Distance [Meters]
0.009 – 0.490	2400/F (kHz)	300
0.490 – 1.705	24000/F (kHz)	30
1.705 - 30	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

7.9.2.Test Procedure Used

ANSI C63.10 Section 6.3 (General Requirements)

ANSI C63.10 Section 6.6 (Standard test method above 1GHz)

7.9.3.Test Setting

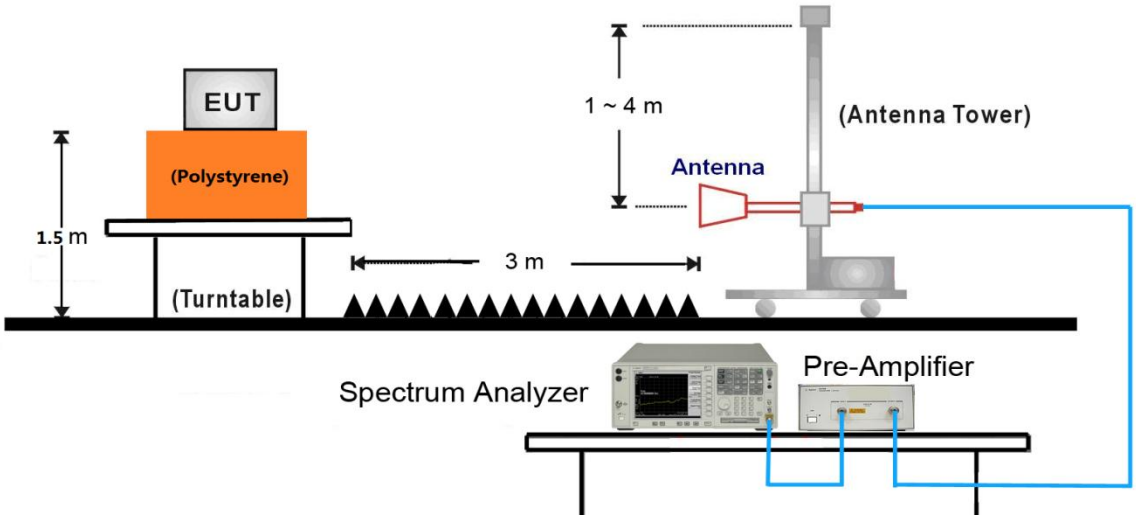
Peak Measurements above 1GHz

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

Average Measurements above 1GHz (Method AD)

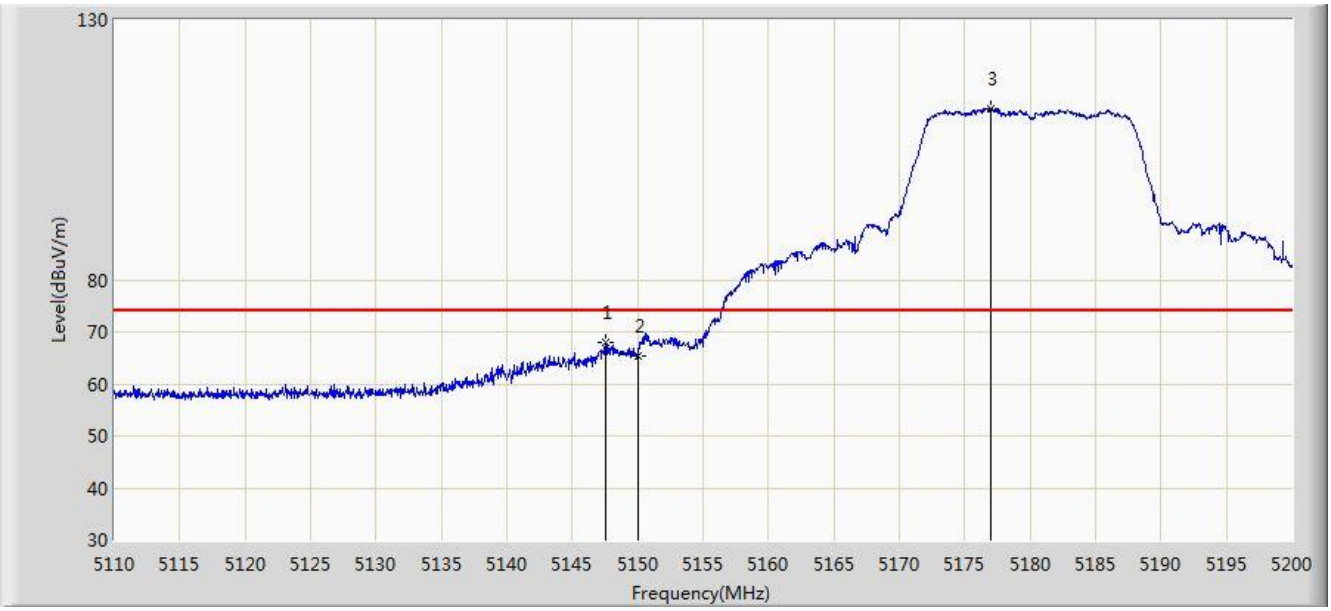
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = power average (Average)
5. Number of measurement points = 1001 (Number of points must be > 2 x span/RBW)
6. Sweep time = auto
7. Trace was averaged over at 100 sweeps

7.9.4.Test Setup



7.9.5.Test Result

Site: AC1	Time: 2017/12/09 - 15:15
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5180MHz Ant 0	

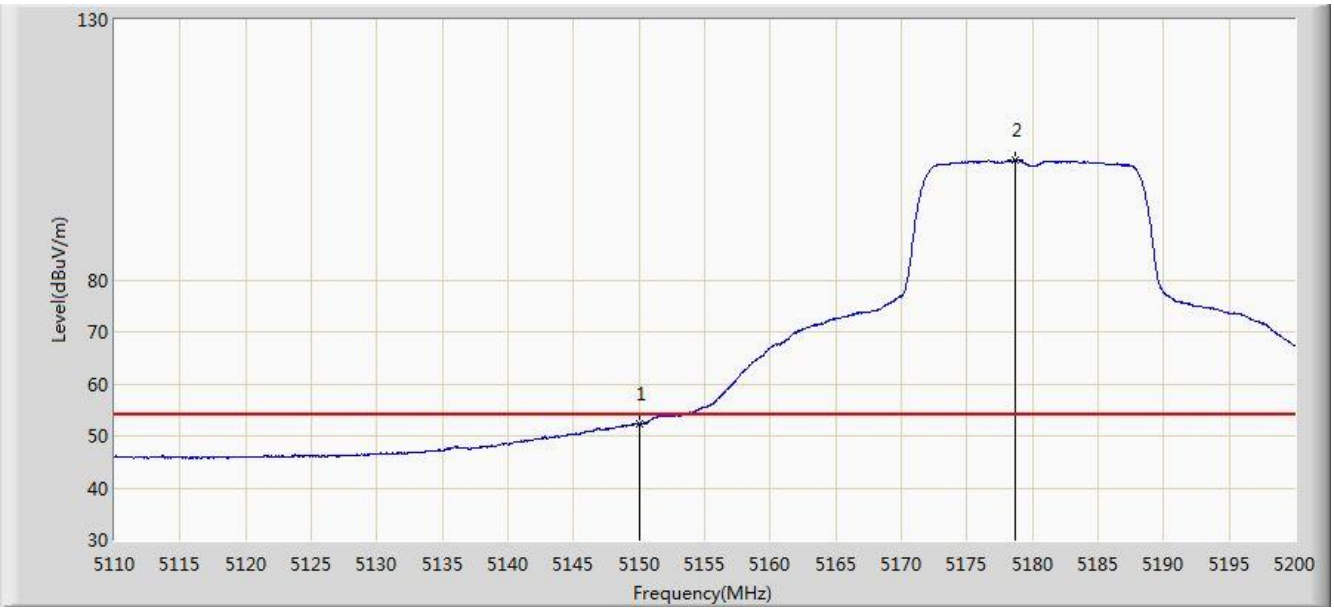


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5147.575	67.990	63.814	-6.010	74.000	4.176	PK
2			5150.000	65.480	61.311	-8.520	74.000	4.170	PK
3			5176.960	113.018	108.938	N/A	N/A	4.080	PK

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

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

Site: AC1	Time: 2017/12/09 - 15:14
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5180MHz Ant 0	

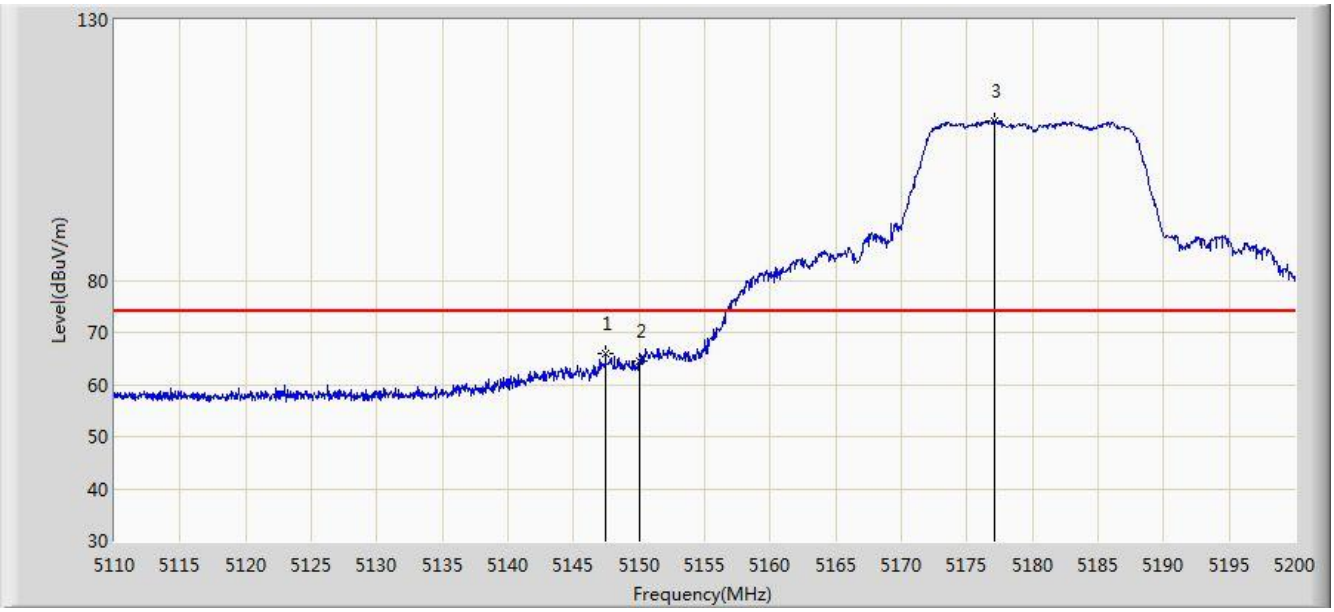


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	52.392	48.223	-1.608	54.000	4.170	AV
2			5178.670	103.000	98.926	N/A	N/A	4.073	AV

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

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

Site: AC1	Time: 2017/12/09 - 15:17
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5180MHz Ant 0	

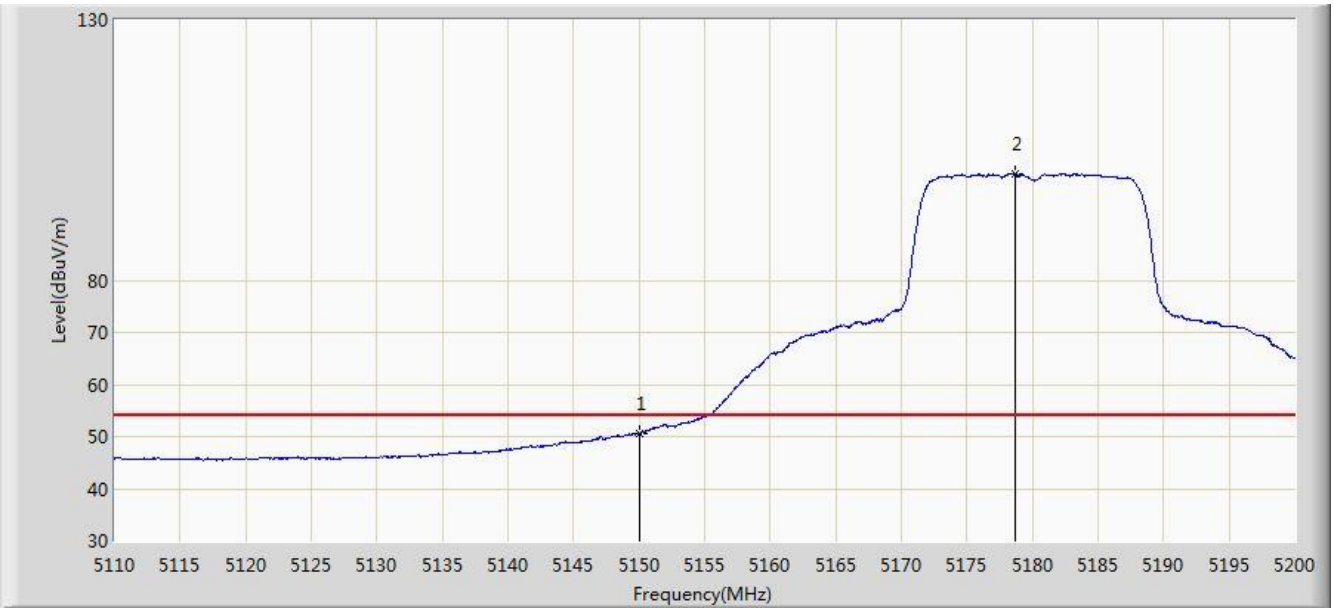


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5147.440	66.014	61.838	-7.986	74.000	4.176	PK
2			5150.000	64.549	60.380	-9.451	74.000	4.170	PK
3			5177.050	110.598	106.519	N/A	N/A	4.080	PK

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

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

Site: AC1	Time: 2017/12/09 - 15:19
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5180MHz Ant 0	

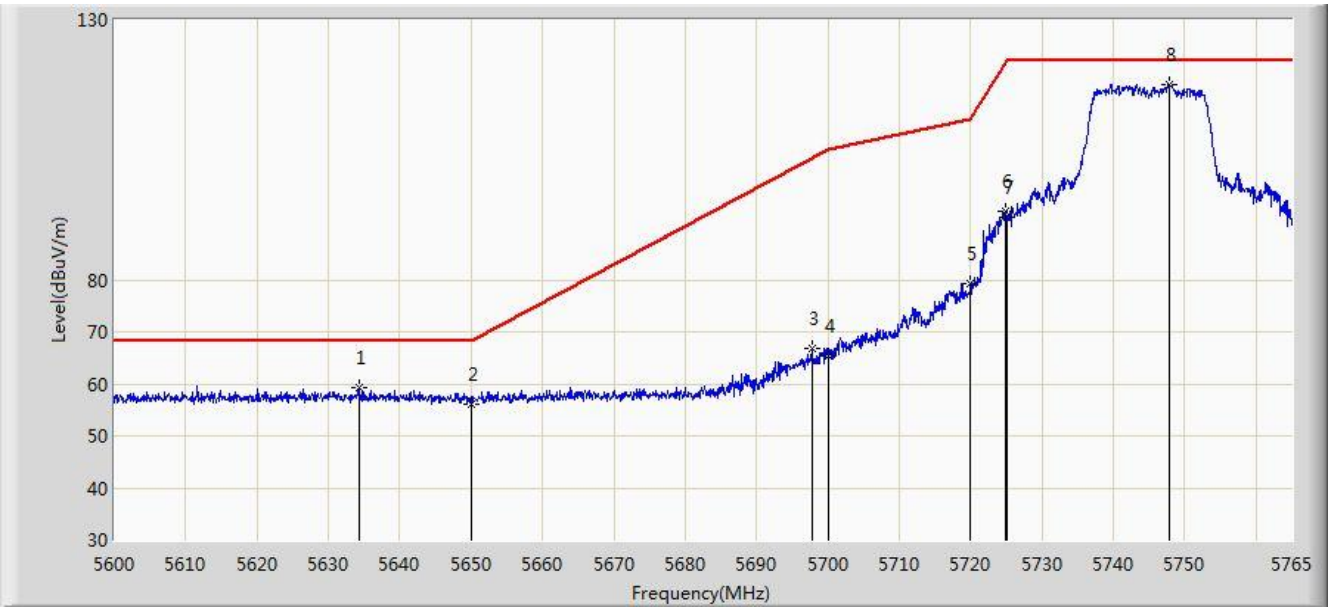


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	50.536	46.367	-3.464	54.000	4.170	AV
2			5178.670	100.504	96.430	N/A	N/A	4.073	AV

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

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

Site: AC1	Time: 2017/12/09 - 15:53
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5745MHz Ant 0	

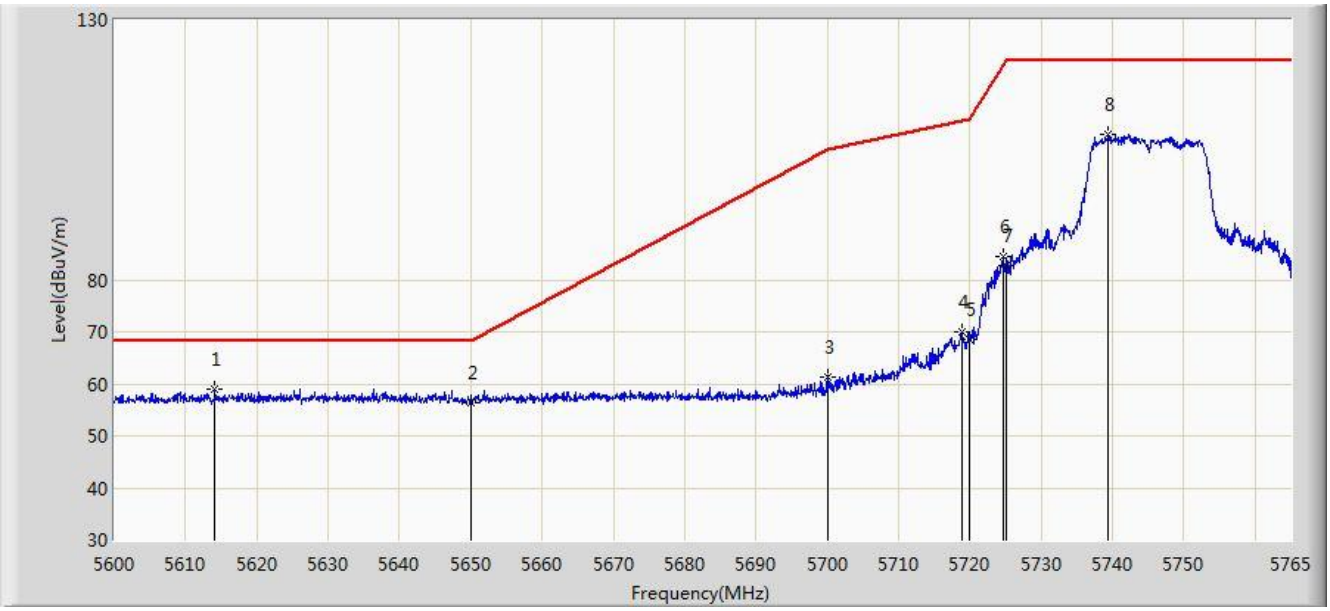


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5634.402	59.242	54.620	-8.958	68.200	4.621	PK
2			5650.000	56.135	51.464	-12.065	68.200	4.671	PK
3			5697.763	66.862	61.996	-36.689	103.552	4.866	PK
4			5700.000	65.453	60.575	-39.747	105.200	4.878	PK
5			5720.000	79.317	74.320	-31.483	110.800	4.997	PK
6			5724.905	93.266	88.238	-28.717	121.983	5.029	PK
7			5725.000	92.097	87.068	-30.103	122.200	5.029	PK
8			5747.757	117.651	112.480	N/A	N/A	5.170	PK

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

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

Site: AC1	Time: 2017/12/09 - 15:55
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5745MHz Ant 0	

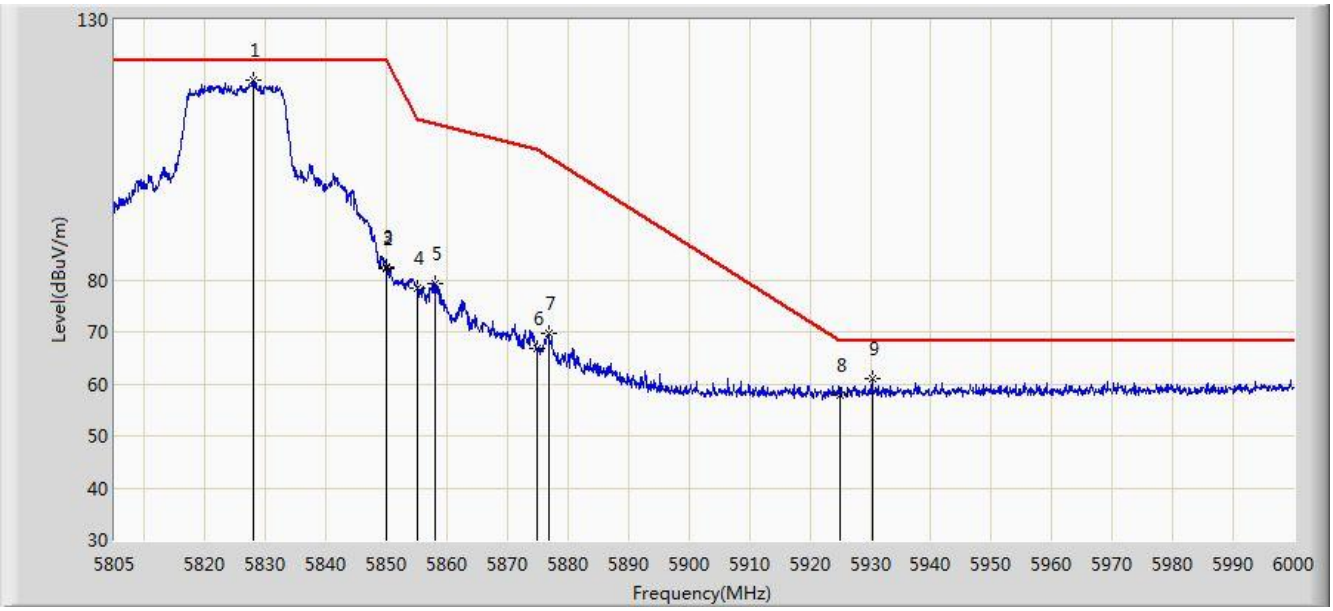


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5614.107	59.049	54.486	-9.151	68.200	4.563	PK
2			5650.000	56.431	51.760	-11.769	68.200	4.671	PK
3			5700.000	61.231	56.353	-43.969	105.200	4.878	PK
4			5718.882	69.983	64.993	-40.505	110.487	4.990	PK
5			5720.000	68.601	63.604	-42.199	110.800	4.997	PK
6			5724.658	84.377	79.350	-37.044	121.421	5.027	PK
7			5725.000	82.644	77.615	-39.556	122.200	5.029	PK
8			5739.425	108.020	102.899	N/A	N/A	5.122	PK

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

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

Site: AC1	Time: 2017/12/09 - 15:56
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5825MHz Ant 0	

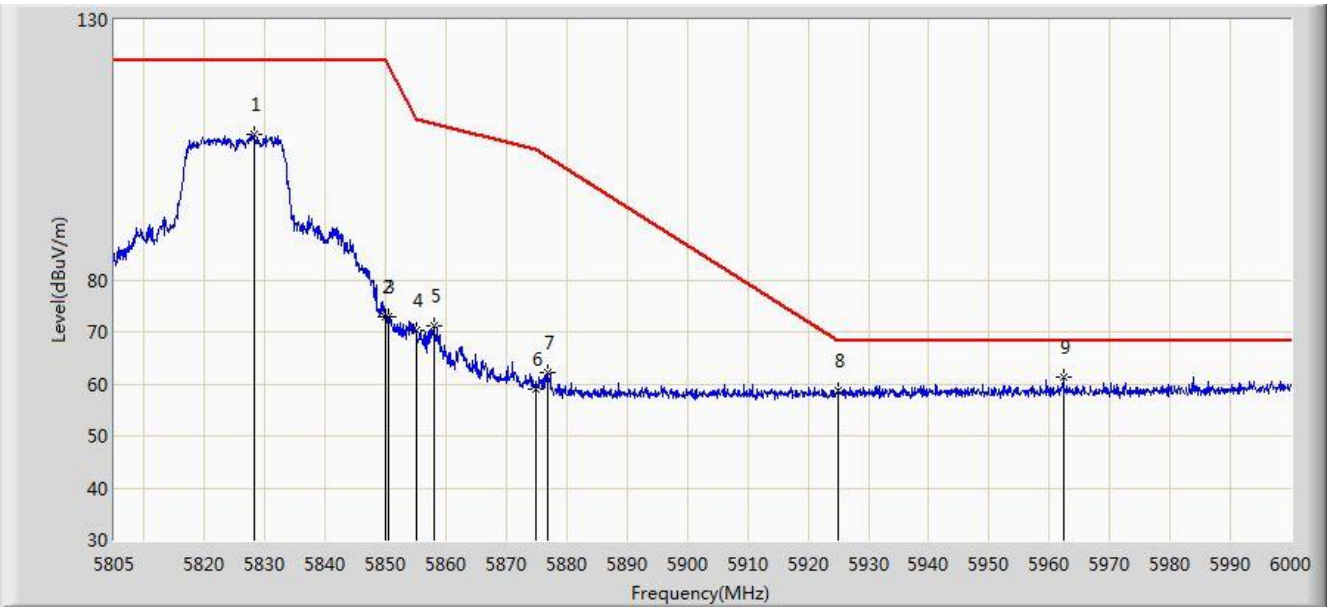


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5827.913	118.395	112.790	N/A	N/A	5.606	PK
2			5850.000	82.045	76.319	-40.155	122.200	5.726	PK
3			5850.045	82.495	76.769	-39.603	122.097	5.726	PK
4			5855.000	78.357	72.611	-32.443	110.800	5.746	PK
5			5858.040	79.280	73.521	-30.668	109.948	5.759	PK
6			5875.000	66.909	61.089	-38.291	105.200	5.820	PK
7			5876.760	69.595	63.769	-34.297	103.892	5.826	PK
8			5925.000	57.788	51.822	-10.412	68.200	5.967	PK
9			5930.288	60.894	54.914	-7.306	68.200	5.979	PK

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

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

Site: AC1	Time: 2017/12/09 - 15:58
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5825MHz Ant 0	

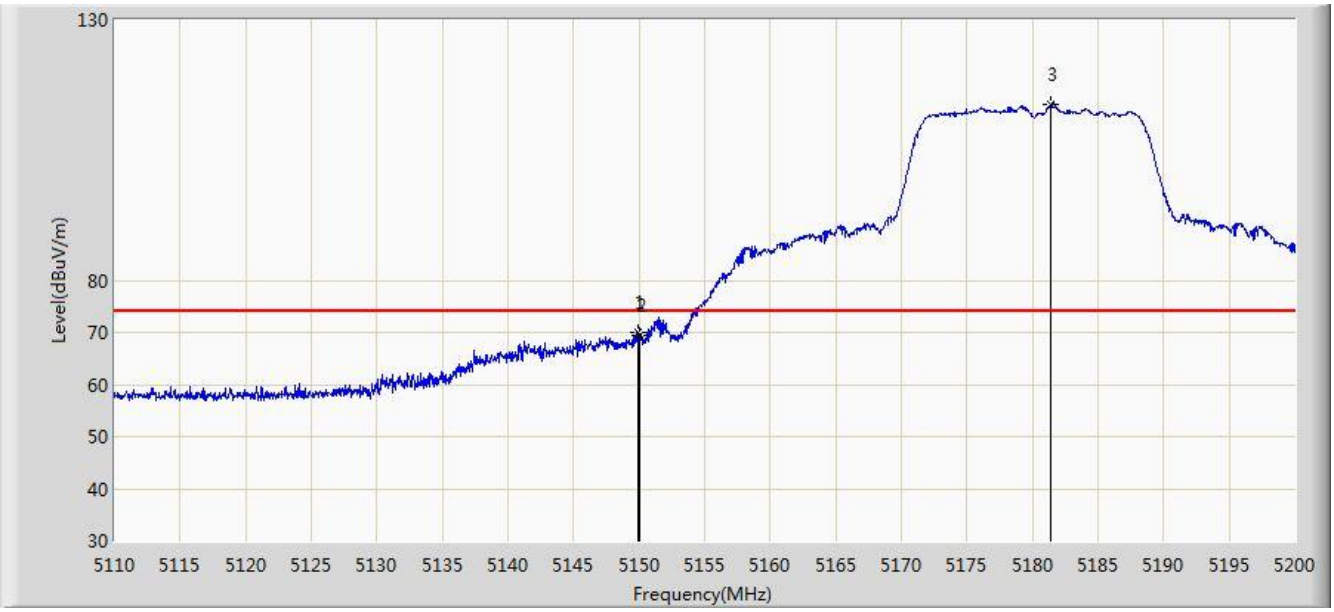


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5828.205	107.838	102.231	N/A	N/A	5.607	PK
2			5850.000	72.764	67.038	-49.436	122.200	5.726	PK
3			5850.435	72.944	67.217	-48.263	121.208	5.727	PK
4			5855.000	70.239	64.493	-40.561	110.800	5.746	PK
5			5857.942	71.058	65.300	-38.917	109.975	5.759	PK
6			5875.000	59.014	53.194	-46.186	105.200	5.820	PK
7			5876.760	62.212	56.386	-41.680	103.892	5.826	PK
8			5925.000	58.684	52.718	-9.516	68.200	5.967	PK
9		*	5962.268	61.410	55.362	-6.790	68.200	6.049	PK

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

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

Site: AC1	Time: 2017/12/09 - 16:08
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz Ant 0	

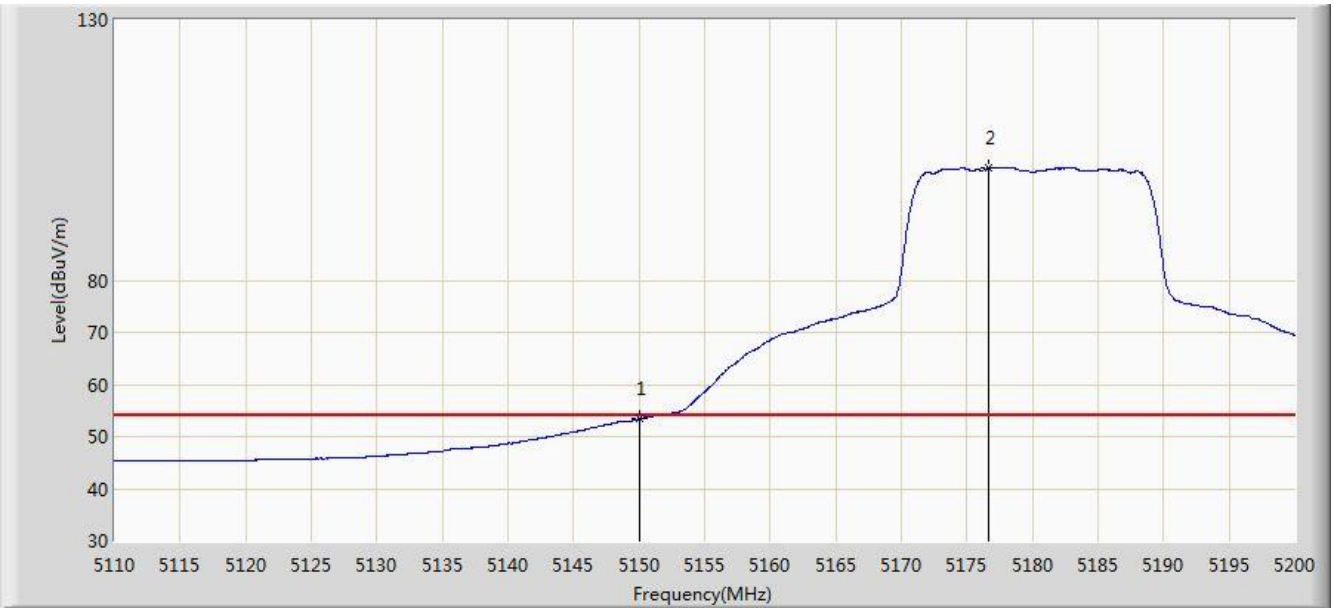


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.915	69.966	65.796	-4.034	74.000	4.170	PK
2			5150.000	69.498	65.329	-4.502	74.000	4.170	PK
3			5181.415	113.713	109.649	N/A	N/A	4.064	PK

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

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

Site: AC1	Time: 2017/12/09 - 16:05
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz Ant 0	

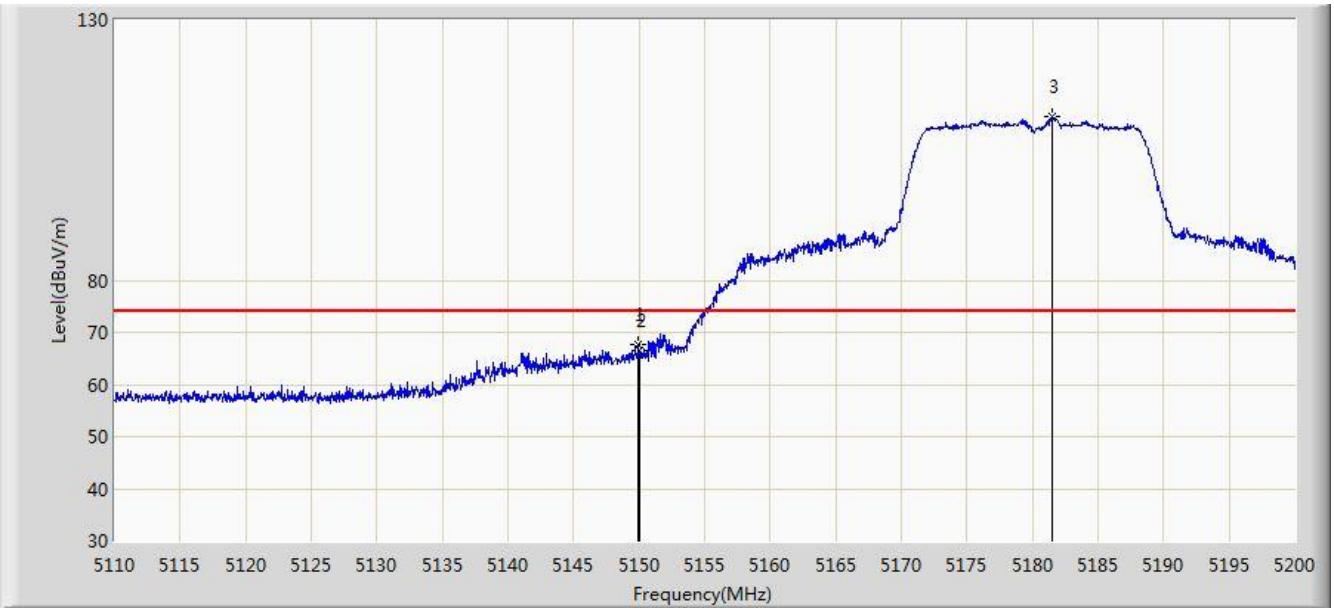


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.400	49.231	-0.600	54.000	4.170	AV
2			5176.690	101.617	97.536	N/A	N/A	4.080	AV

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

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

Site: AC1	Time: 2017/12/09 - 16:09
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz Ant 0	

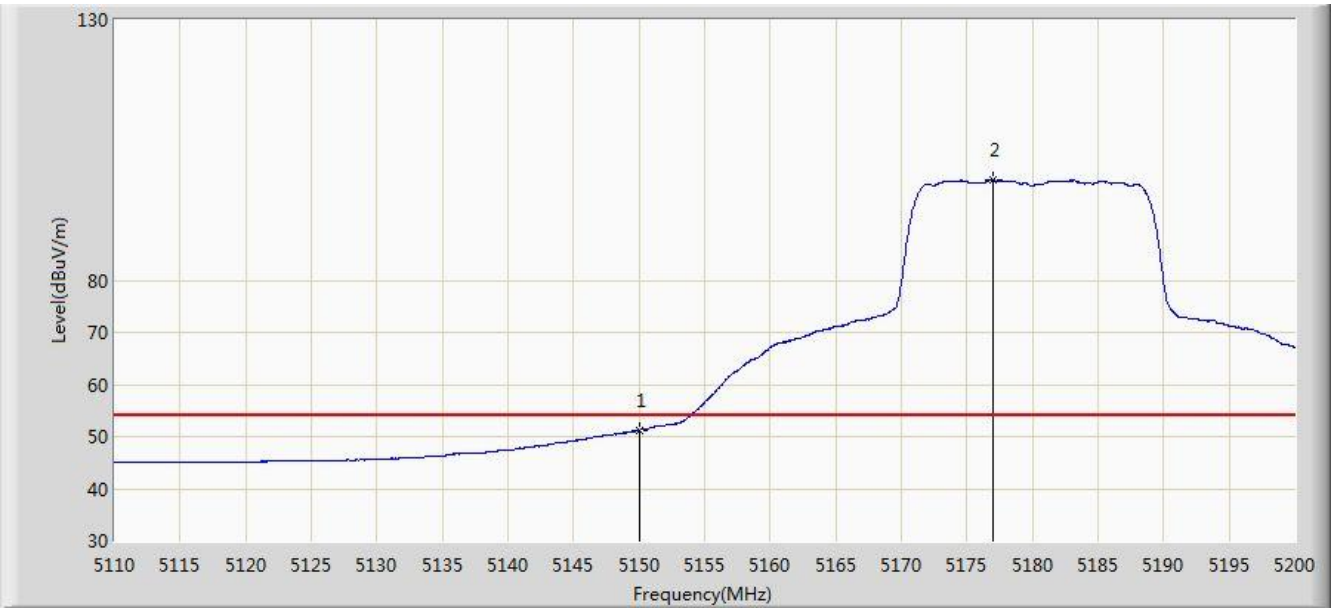


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.915	67.675	63.505	-6.325	74.000	4.170	PK
2			5150.000	66.448	62.279	-7.552	74.000	4.170	PK
3			5181.550	111.412	107.349	N/A	N/A	4.064	PK

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

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

Site: AC1	Time: 2017/12/09 - 16:11
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz Ant 0	

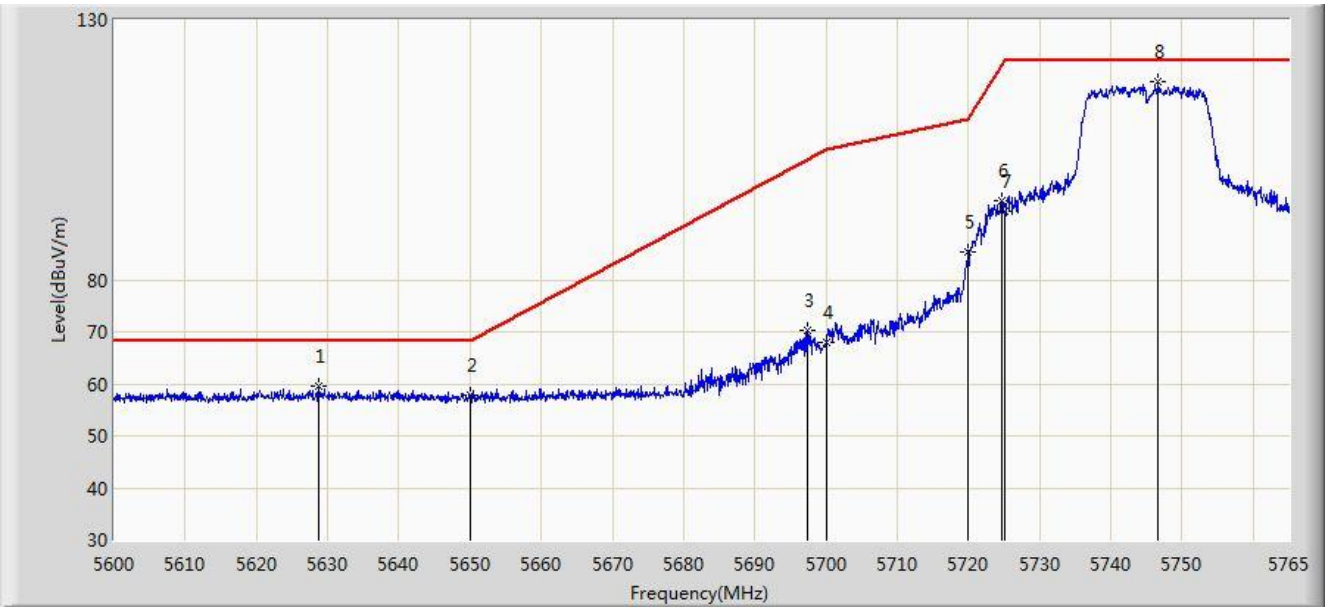


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.272	47.103	-2.728	54.000	4.170	AV
2			5177.005	99.239	95.160	N/A	N/A	4.080	AV

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

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

Site: AC1	Time: 2017/12/09 - 16:48
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: FMZB1519B_0.009_MHz_30MHz_TW	Polarity: Horizontal
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5745MHz Ant 0	

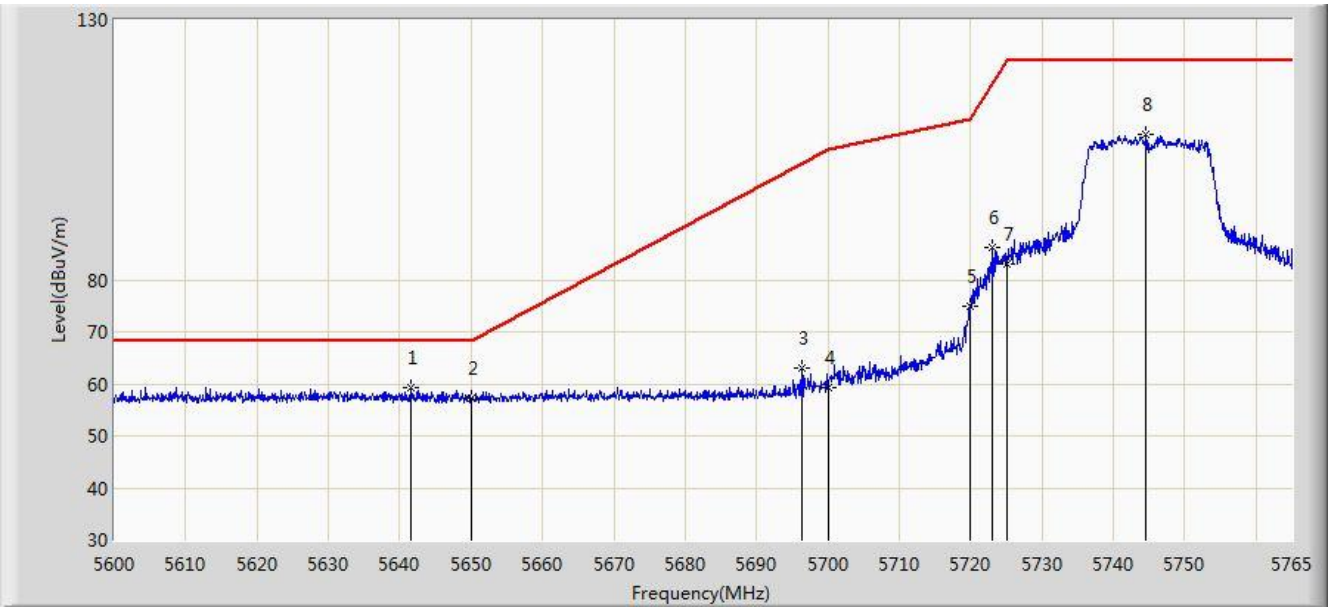


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5628.792	59.692	67.055	-8.508	68.200	-7.363	PK
2			5650.000	57.878	65.200	-10.322	68.200	-7.322	PK
3			5697.350	70.254	77.462	-32.993	103.247	-7.207	PK
4			5700.000	67.980	75.181	-37.220	105.200	-7.201	PK
5			5720.000	85.431	92.580	-25.369	110.800	-7.149	PK
6			5724.658	95.284	102.421	-26.137	121.421	-7.137	PK
7			5725.000	93.249	100.385	-28.951	122.200	-7.136	PK
8			5746.685	118.012	125.092	N/A	N/A	-7.080	PK

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

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

Site: AC1	Time: 2017/12/09 - 16:50
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5745MHz Ant 0	

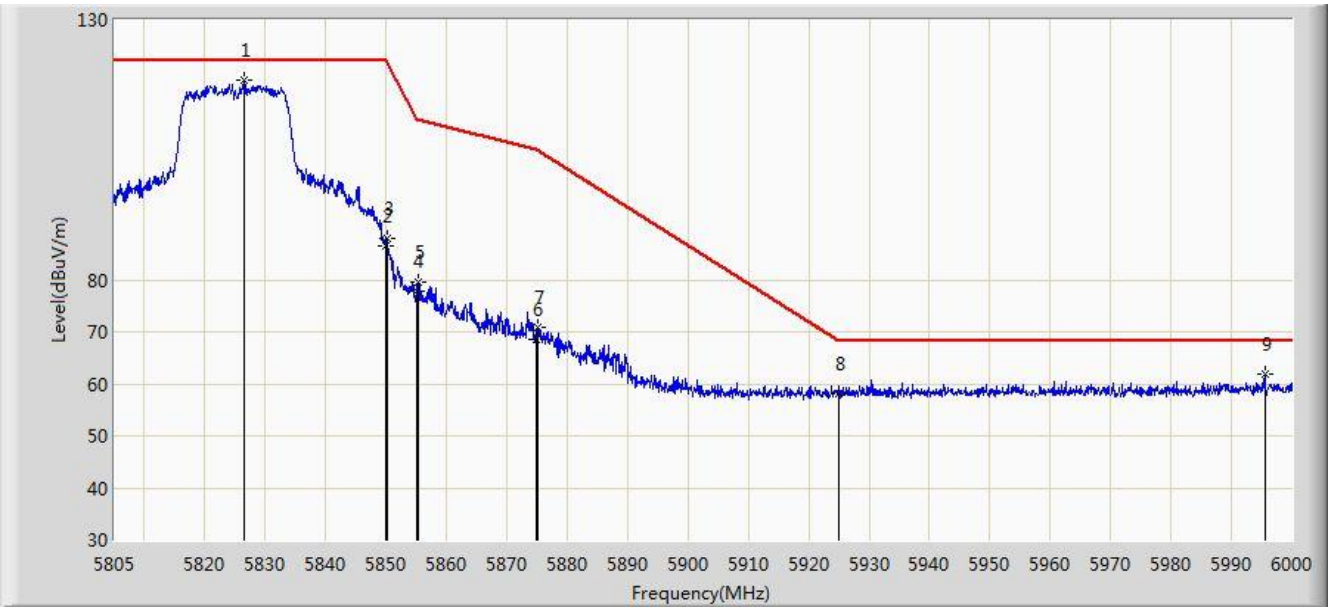


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5641.663	59.176	54.533	-9.024	68.200	4.643	PK
2			5650.000	57.131	52.460	-11.069	68.200	4.671	PK
3			5696.277	63.132	58.274	-39.324	102.456	4.859	PK
4			5700.000	59.263	54.385	-45.937	105.200	4.878	PK
5			5720.000	74.833	69.836	-35.967	110.800	4.997	PK
6			5723.090	86.238	81.221	-31.609	117.846	5.017	PK
7			5725.000	82.956	77.927	-39.244	122.200	5.029	PK
8			5744.540	107.911	102.759	N/A	N/A	5.152	PK

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

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

Site: AC1	Time: 2017/12/09 - 16:52
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5825MHz Ant 0	

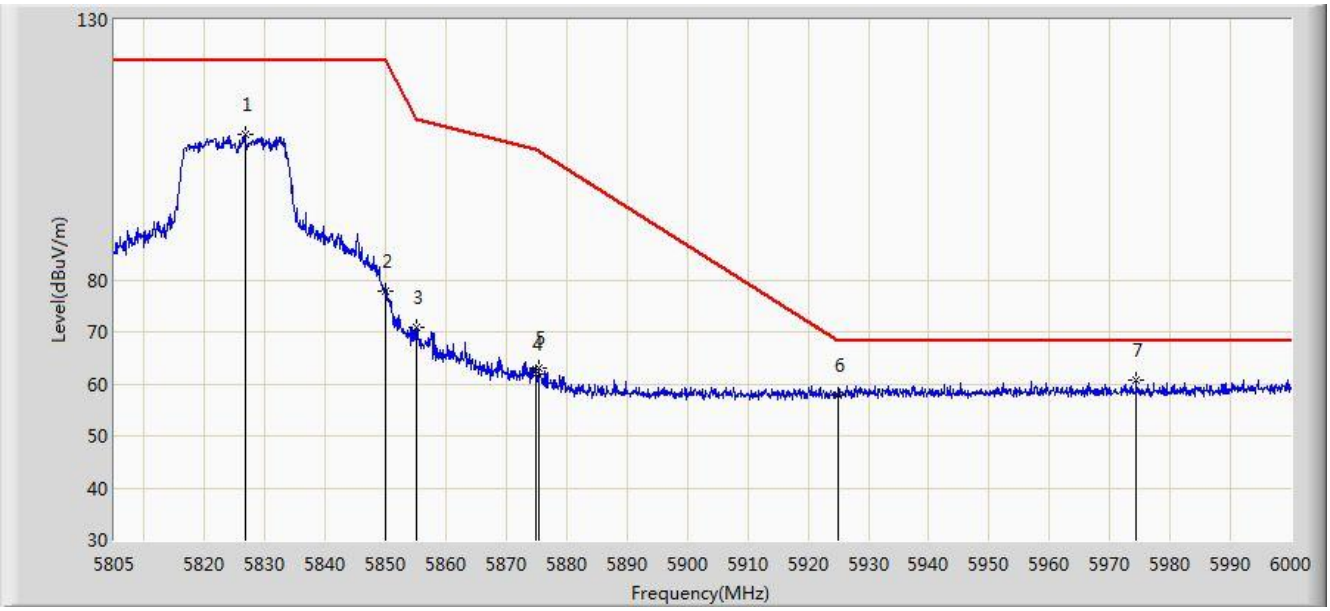


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5826.547	118.533	112.936	N/A	N/A	5.596	PK
2			5850.000	86.654	80.928	-35.546	122.200	5.726	PK
3			5850.143	87.851	82.125	-34.023	121.874	5.726	PK
4			5855.000	77.687	71.941	-33.113	110.800	5.746	PK
5			5855.408	79.588	73.840	-31.098	110.686	5.749	PK
6			5875.000	68.677	62.857	-36.523	105.200	5.820	PK
7			5875.103	70.974	65.154	-34.149	105.123	5.820	PK
8			5925.000	57.997	52.031	-10.203	68.200	5.967	PK
9			5995.515	61.838	55.735	-6.362	68.200	6.103	PK

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

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

Site: AC1	Time: 2017/12/09 - 16:54
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5825MHz Ant 0	

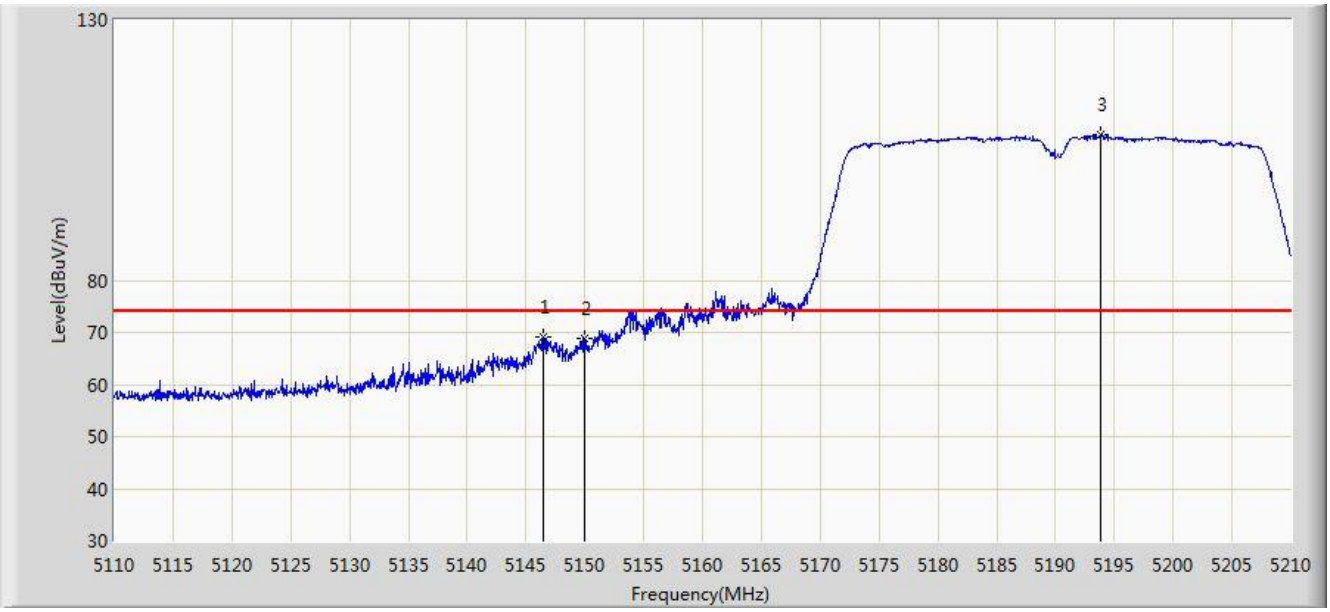


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5826.645	107.969	102.371	N/A	N/A	5.598	PK
2			5850.000	77.837	72.111	-44.363	122.200	5.726	PK
3			5855.000	70.759	65.013	-40.041	110.800	5.746	PK
4			5875.000	61.960	56.140	-43.240	105.200	5.820	PK
5			5875.493	63.094	57.272	-41.740	104.834	5.821	PK
6			5925.000	57.897	51.931	-10.303	68.200	5.967	PK
7			5974.455	60.811	54.743	-7.389	68.200	6.068	PK

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

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

Site: AC1	Time: 2017/12/10 - 11:10
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz Ant 0	

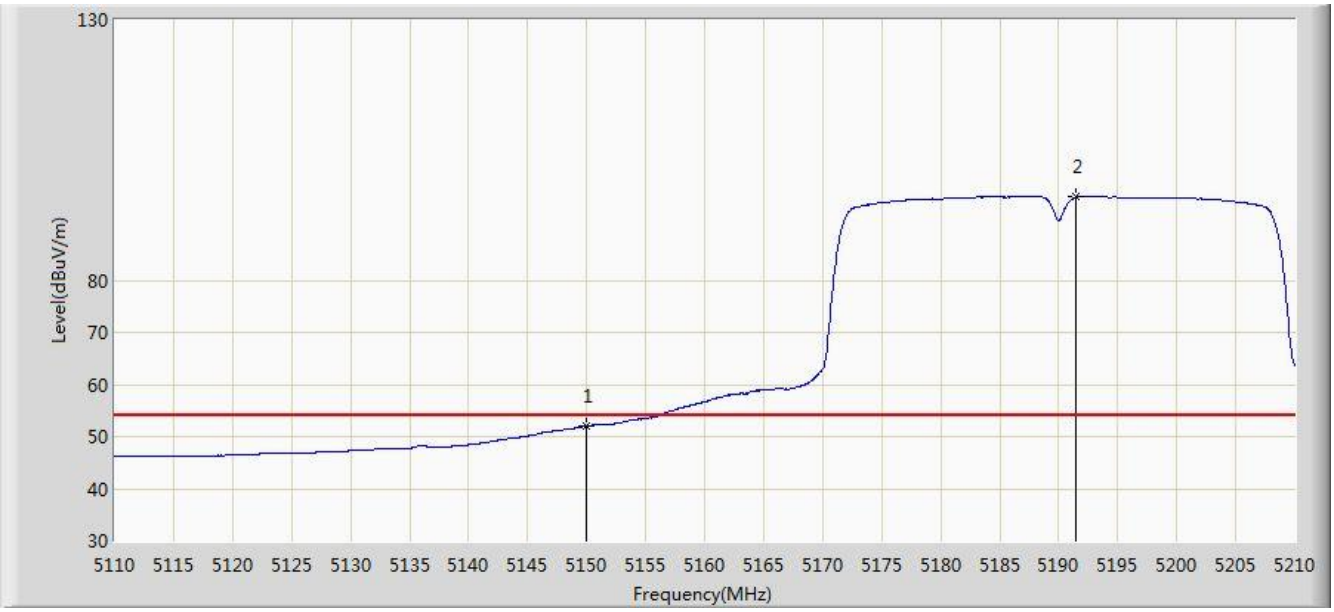


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5146.450	69.080	64.904	-4.920	74.000	4.176	PK
2			5150.000	68.844	64.675	-5.156	74.000	4.170	PK
3			5193.800	107.876	103.856	N/A	N/A	4.020	PK

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

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

Site: AC1	Time: 2017/12/10 - 11:09
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz Ant 0	

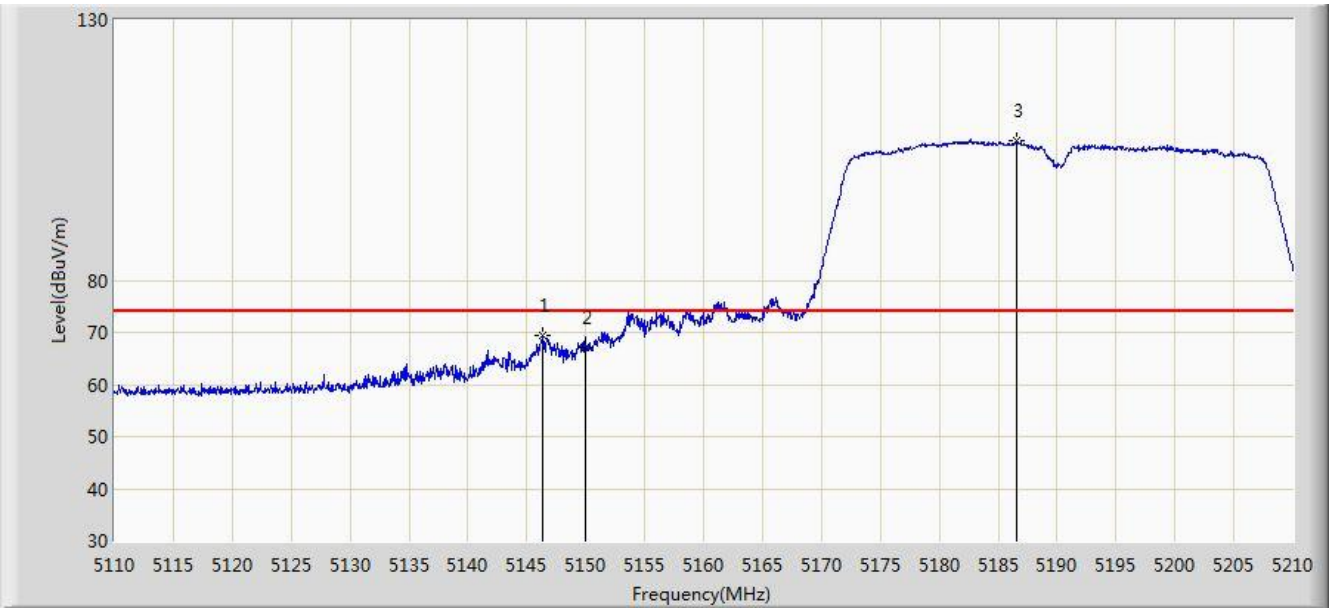


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.907	47.738	-2.093	54.000	4.170	AV
2			5191.500	96.010	91.982	N/A	N/A	4.028	AV

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

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

Site: AC1	Time: 2017/12/10 - 11:10
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz Ant 0	

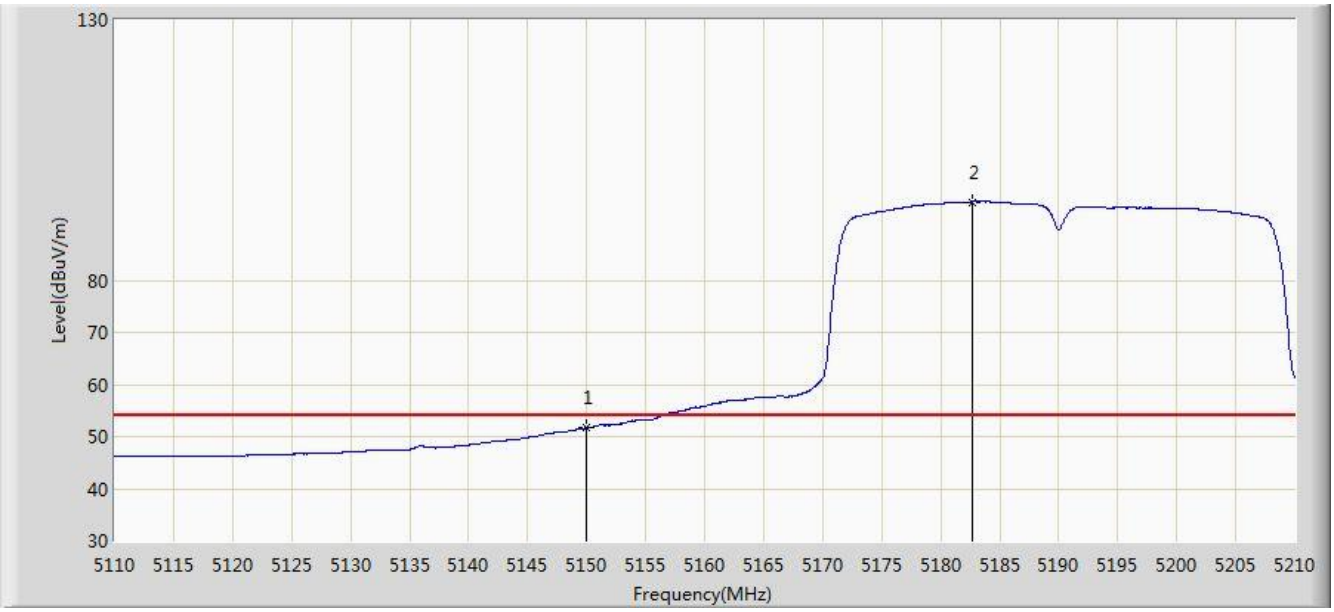


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5146.300	69.307	65.131	-4.693	74.000	4.176	PK
2			5150.000	67.016	62.847	-6.984	74.000	4.170	PK
3			5186.600	106.680	102.635	N/A	N/A	4.045	PK

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

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

Site: AC1	Time: 2017/12/10 - 11:13
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz Ant 0	

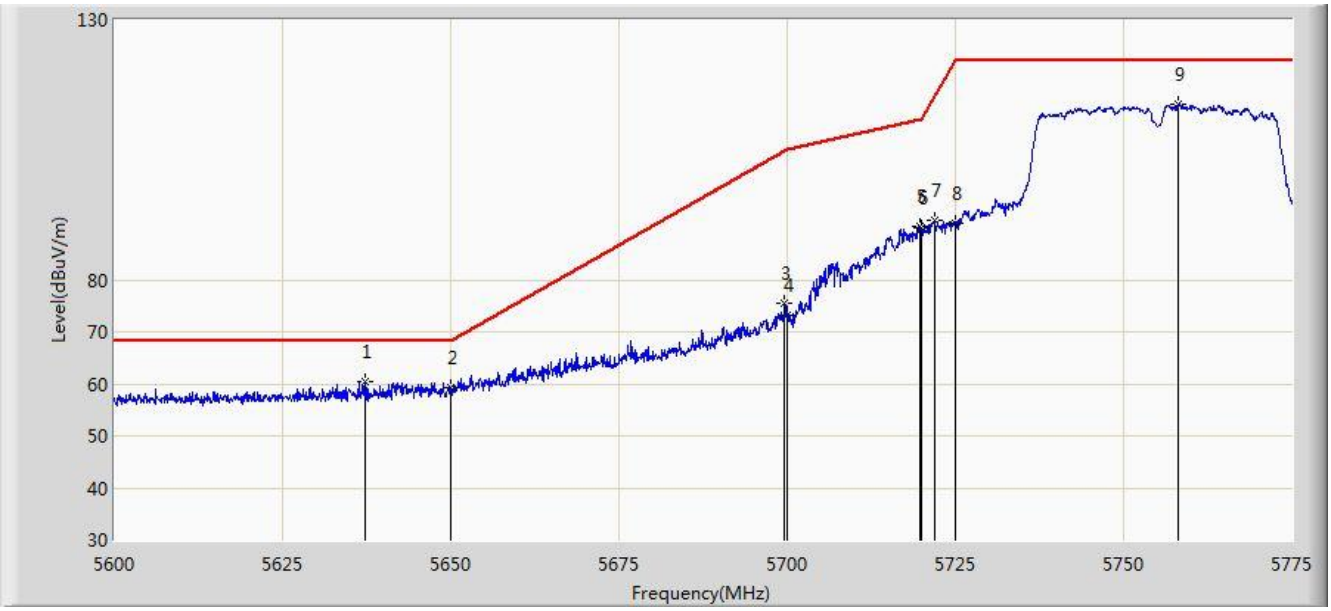


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.704	47.535	-2.296	54.000	4.170	AV
2			5182.650	95.067	91.008	N/A	N/A	4.060	AV

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

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

Site: AC1	Time: 2017/12/10 - 11:38
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5755MHz Ant 0	

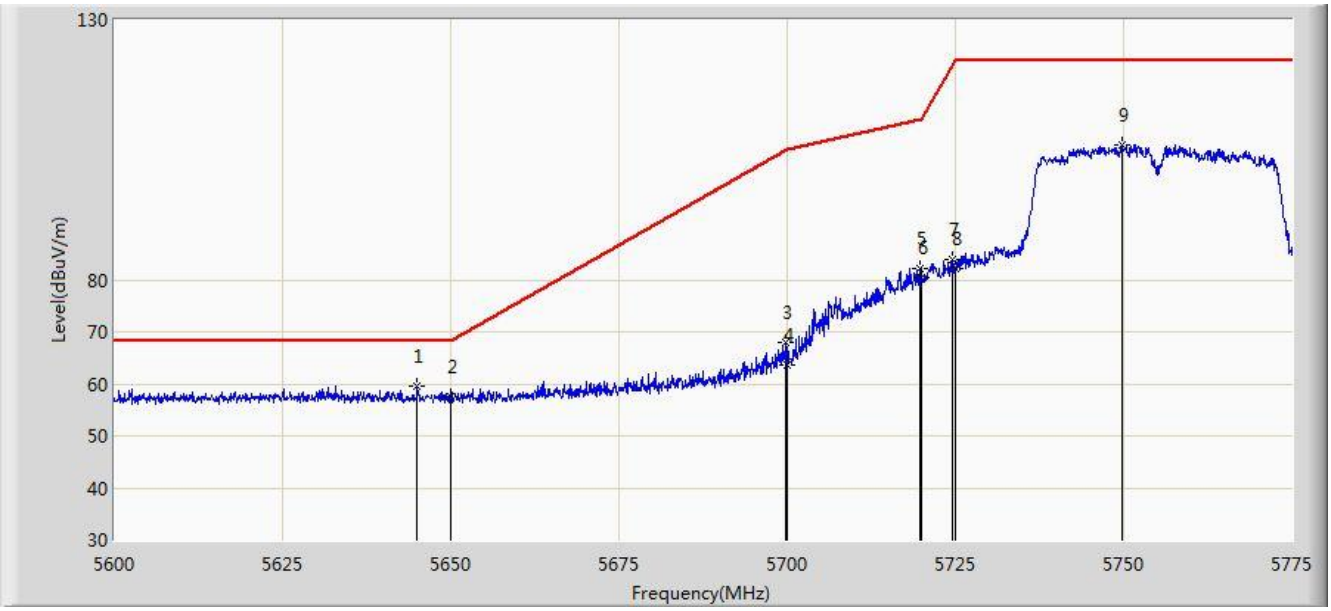


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5637.187	60.460	55.830	-7.740	68.200	4.630	PK
2			5650.000	59.246	54.575	-8.954	68.200	4.671	PK
3			5699.663	75.521	70.645	-29.430	104.952	4.877	PK
4			5700.000	73.136	68.258	-32.064	105.200	4.878	PK
5			5719.788	90.237	85.241	-20.504	110.741	4.995	PK
6			5720.000	89.882	84.885	-20.918	110.800	4.997	PK
7			5721.975	91.567	86.557	-23.738	115.304	5.010	PK
8			5725.000	90.966	85.937	-31.234	122.200	5.029	PK
9			5758.112	113.727	108.498	N/A	N/A	5.229	PK

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

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

Site: AC1	Time: 2017/12/10 - 11:39
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5755MHz Ant 0	

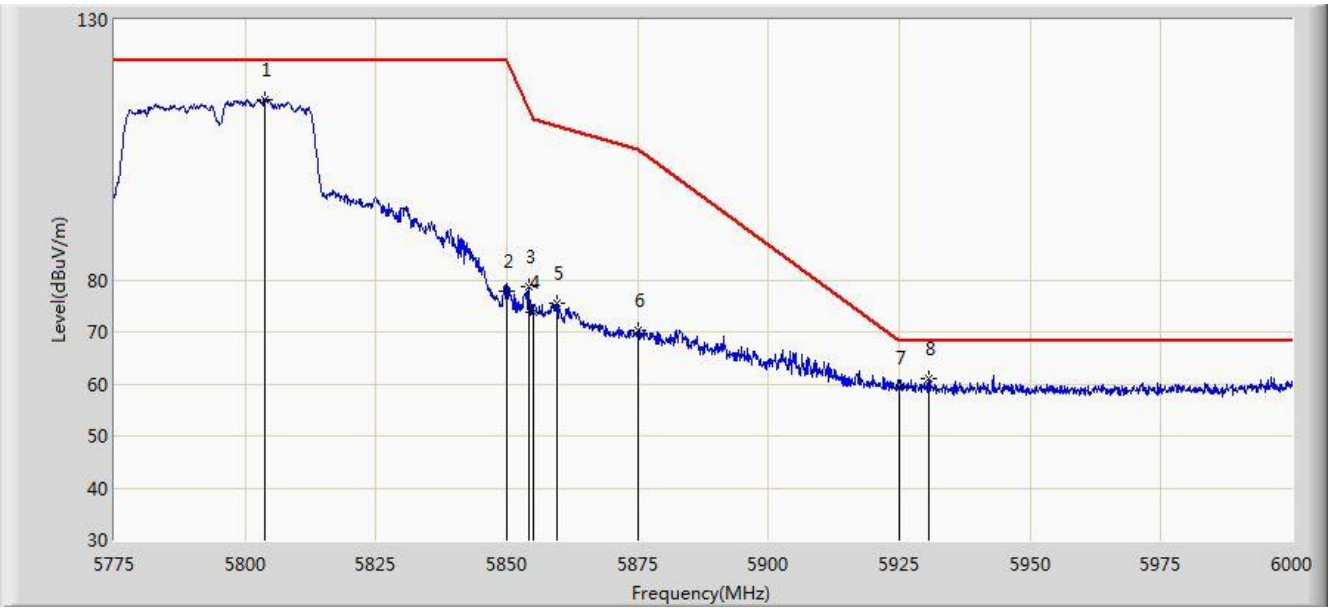


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5644.975	59.648	54.994	-8.552	68.200	4.654	PK
2			5650.000	57.670	52.999	-10.530	68.200	4.671	PK
3			5699.837	68.095	63.218	-36.985	105.080	4.878	PK
4			5700.000	63.561	58.683	-41.639	105.200	4.878	PK
5			5719.700	82.276	77.281	-28.440	110.716	4.995	PK
6			5720.000	80.571	75.574	-30.229	110.800	4.997	PK
7			5724.600	83.935	78.909	-37.353	121.288	5.026	PK
8			5725.000	82.136	77.107	-40.064	122.200	5.029	PK
9			5749.712	105.948	100.766	N/A	N/A	5.182	PK

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

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

Site: AC1	Time: 2017/12/10 - 11:40
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5795MHz Ant 0	

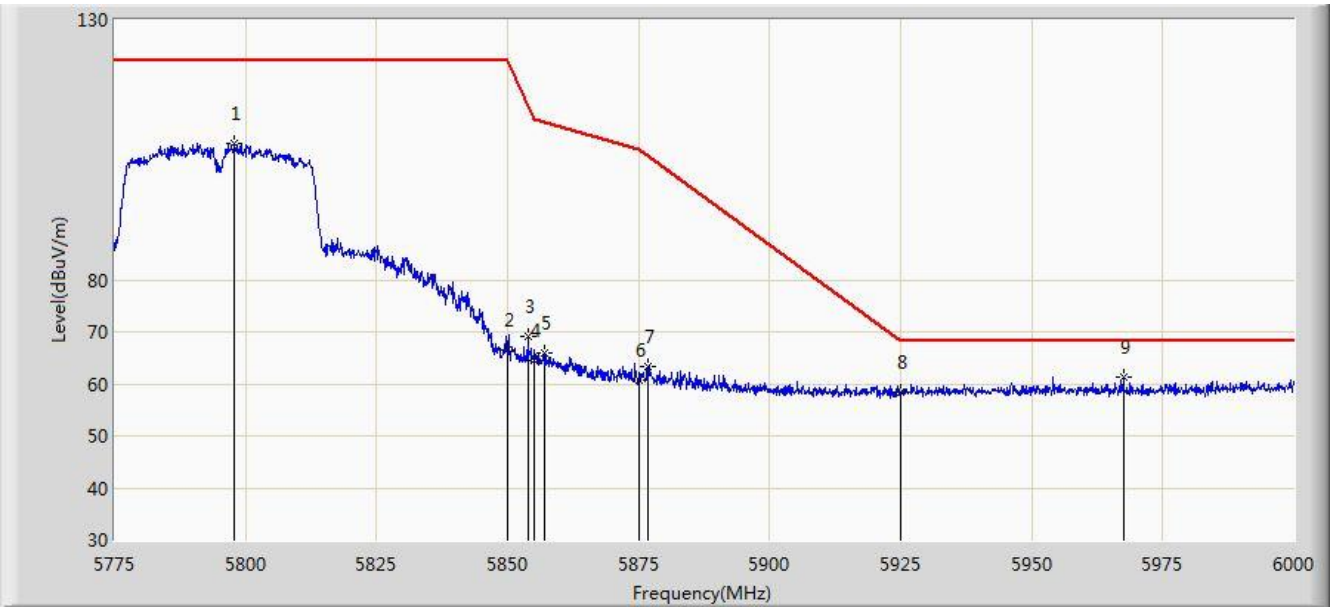


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5803.687	114.773	109.307	N/A	N/A	5.465	PK
2			5850.000	77.832	72.106	-44.368	122.200	5.726	PK
3			5854.200	78.806	73.063	-33.817	112.623	5.743	PK
4			5855.000	73.870	68.124	-36.930	110.800	5.746	PK
5			5859.712	75.414	69.648	-34.065	109.479	5.766	PK
6			5875.000	70.254	64.434	-34.946	105.200	5.820	PK
7			5925.000	59.193	53.227	-9.007	68.200	5.967	PK
8			5930.587	60.910	54.930	-7.290	68.200	5.981	PK

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

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

Site: AC1	Time: 2017/12/10 - 11:42
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5795MHz Ant 0	

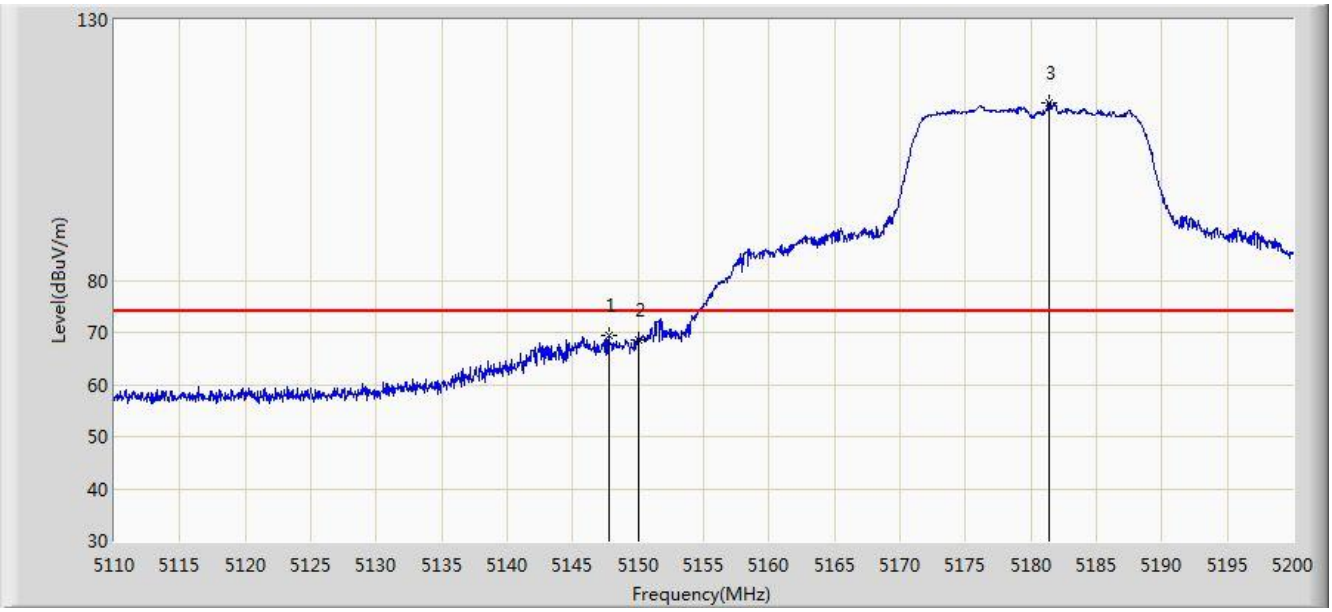


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5797.837	106.098	100.665	N/A	N/A	5.433	PK
2			5850.000	66.630	60.904	-55.570	122.200	5.726	PK
3			5853.975	69.018	63.276	-44.118	113.136	5.741	PK
4			5855.000	64.581	58.835	-46.219	110.800	5.746	PK
5			5857.125	66.033	60.278	-44.171	110.204	5.755	PK
6			5875.000	60.650	54.830	-44.550	105.200	5.820	PK
7			5876.700	63.449	57.623	-40.488	103.937	5.826	PK
8			5925.000	58.395	52.429	-9.805	68.200	5.967	PK
9			5967.487	61.357	55.300	-6.843	68.200	6.057	PK

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

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

Site: AC1	Time: 2017/12/10 - 11:47
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz Ant 0	

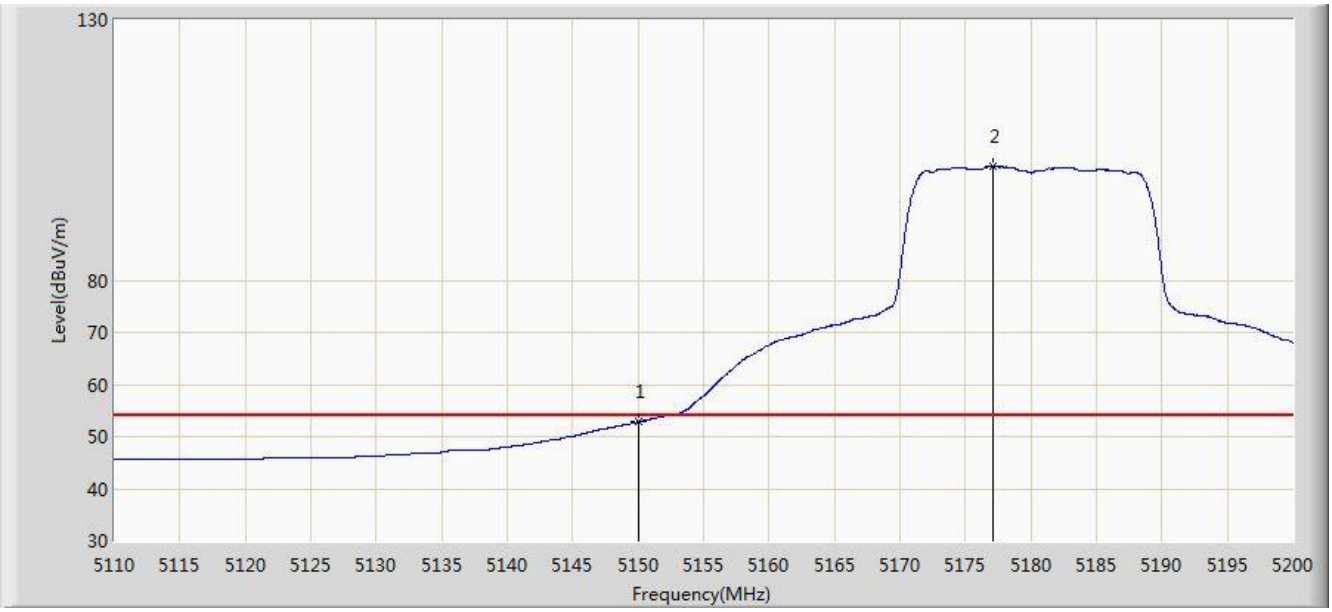


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5147.755	69.458	65.282	-4.542	74.000	4.176	PK
2			5150.000	68.648	64.479	-5.352	74.000	4.170	PK
3			5181.415	114.029	109.965	N/A	N/A	4.064	PK

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

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

Site: AC1	Time: 2017/12/10 - 11:47
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz Ant 0	

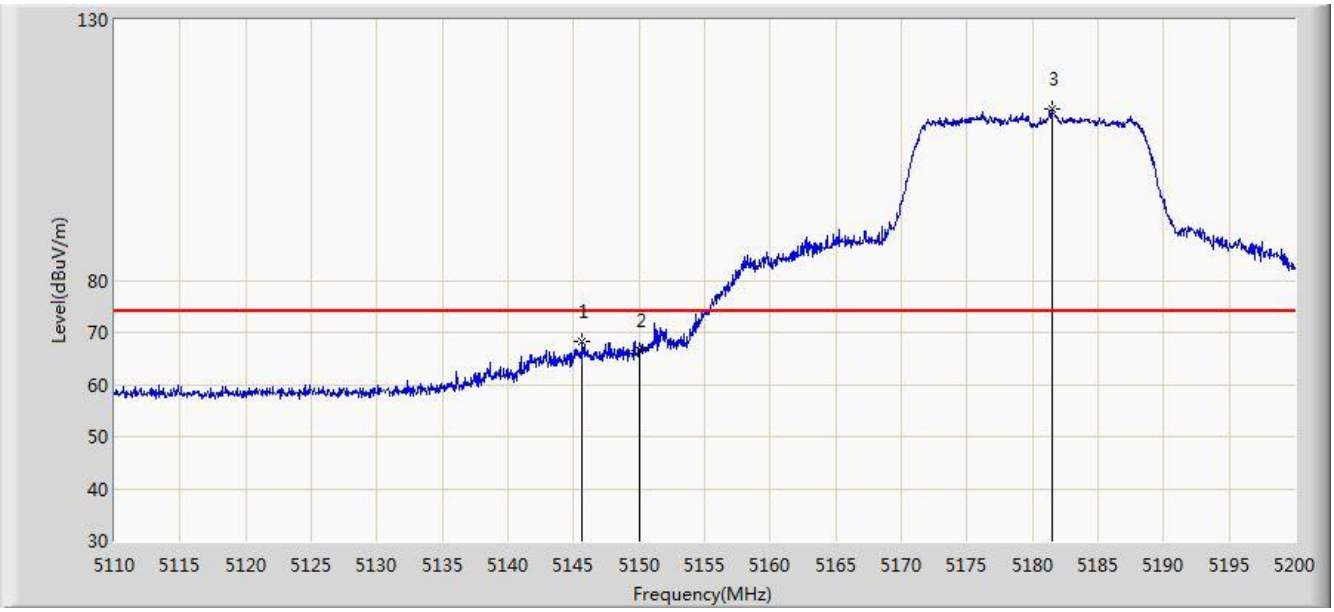


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	52.837	48.668	-1.163	54.000	4.170	AV
2			5177.050	101.918	97.839	N/A	N/A	4.080	AV

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

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

Site: AC1	Time: 2017/12/10 - 11:48
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz Ant 0	

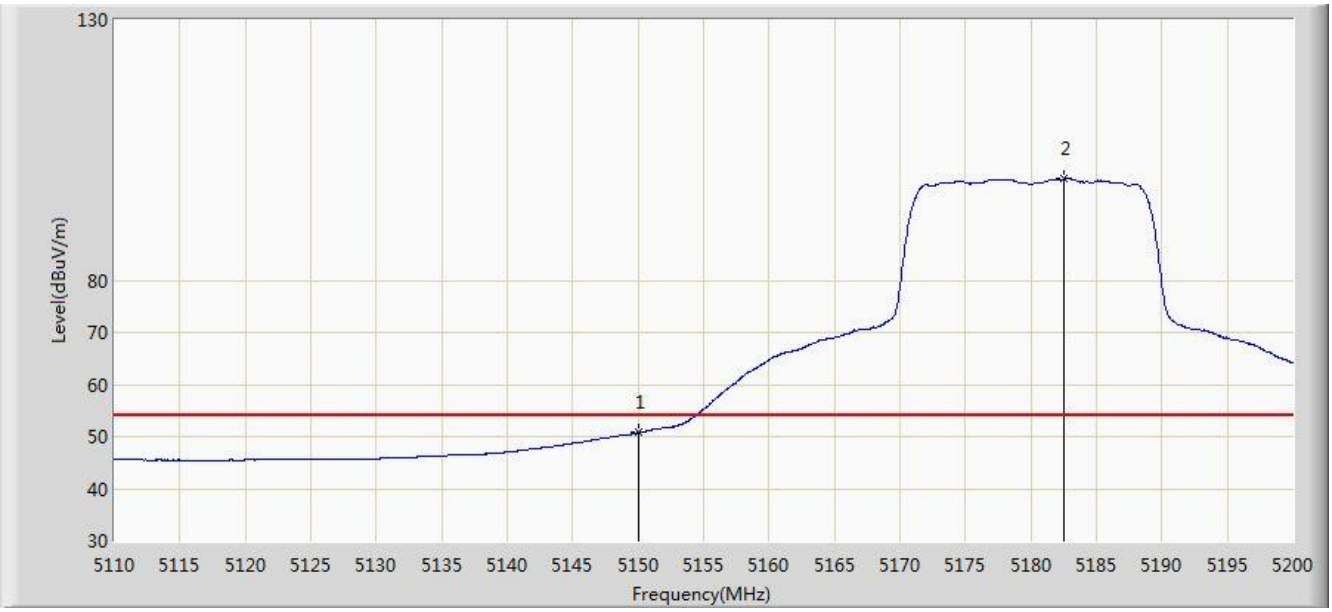


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5145.685	68.217	64.041	-5.783	74.000	4.176	PK
2			5150.000	66.540	62.371	-7.460	74.000	4.170	PK
3			5181.505	112.940	108.877	N/A	N/A	4.064	PK

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

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

Site: AC1	Time: 2017/12/10 - 11:51
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz Ant 0	

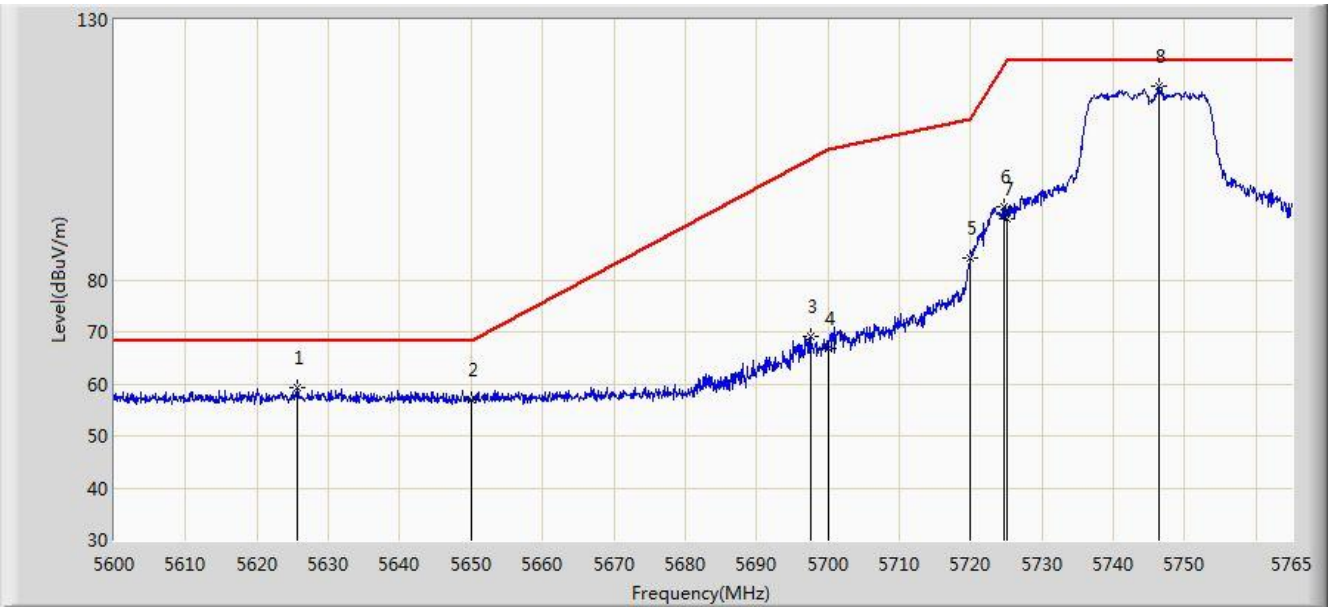


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	50.827	46.658	-3.173	54.000	4.170	AV
2			5182.540	99.432	95.372	N/A	N/A	4.060	AV

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

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

Site: AC1	Time: 2017/12/10 - 12:22
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5745MHz Ant 0	

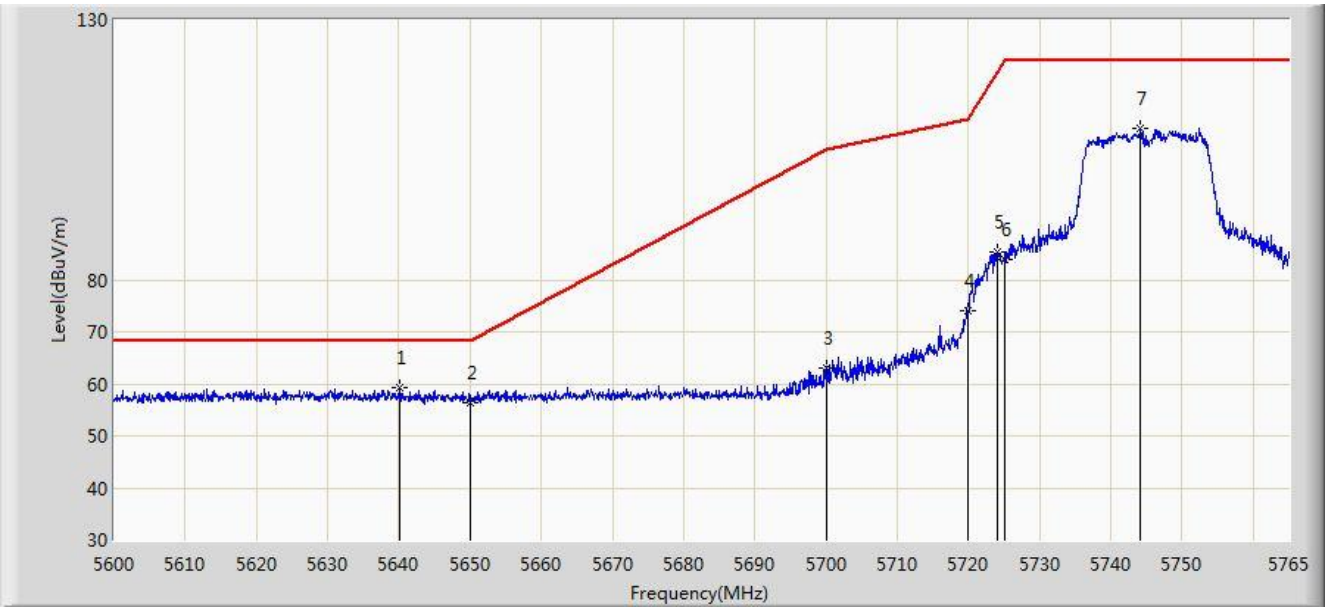


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5625.740	59.409	54.812	-8.791	68.200	4.598	PK
2			5650.000	56.961	52.290	-11.239	68.200	4.671	PK
3			5697.515	69.138	64.273	-34.231	103.369	4.865	PK
4			5700.000	66.854	61.976	-38.346	105.200	4.878	PK
5			5720.000	84.319	79.322	-26.481	110.800	4.997	PK
6			5724.740	94.093	89.066	-27.514	121.607	5.028	PK
7			5725.000	91.796	86.767	-30.404	122.200	5.029	PK
8			5746.355	117.122	111.959	N/A	N/A	5.163	PK

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

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

Site: AC1	Time: 2017/12/10 - 12:23
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5745MHz Ant 0	

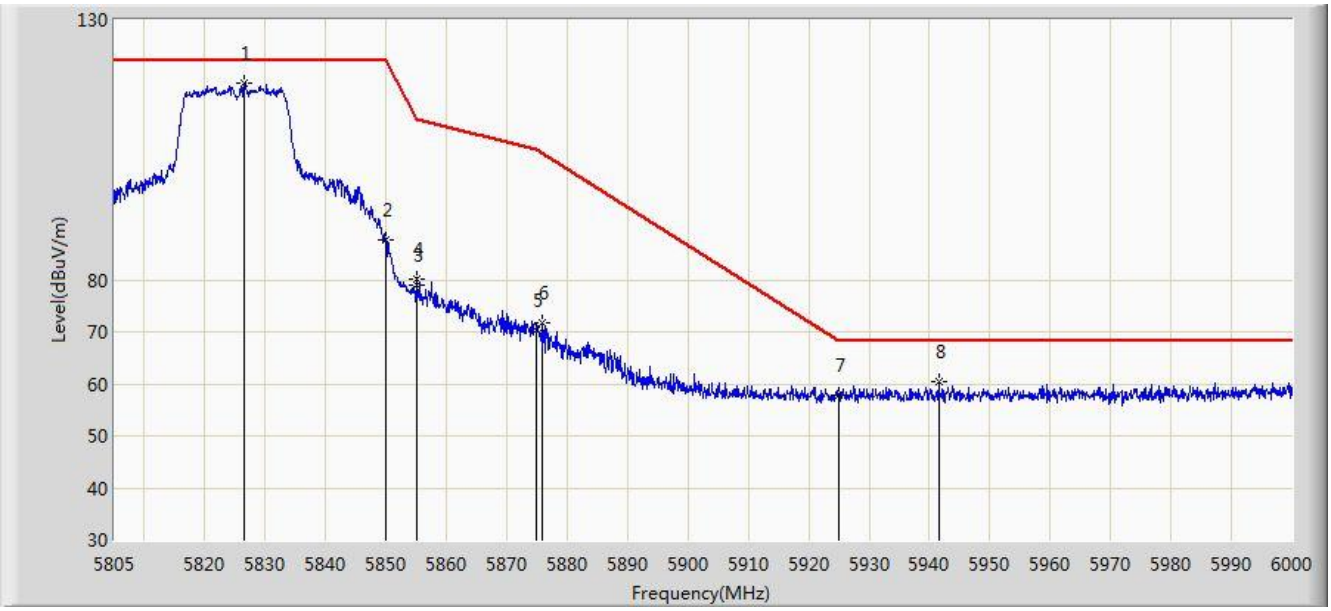


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5640.178	59.266	54.627	-8.934	68.200	4.638	PK
2			5650.000	56.494	51.823	-11.706	68.200	4.671	PK
3			5700.000	63.016	58.138	-42.184	105.200	4.878	PK
4			5720.000	73.916	68.919	-36.884	110.800	4.997	PK
5			5723.998	85.347	80.324	-34.570	119.916	5.022	PK
6			5725.000	84.042	79.013	-38.158	122.200	5.029	PK
7			5744.127	108.987	103.837	N/A	N/A	5.151	PK

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

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

Site: AC1	Time: 2017/12/10 - 12:25
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5825MHz Ant 0	

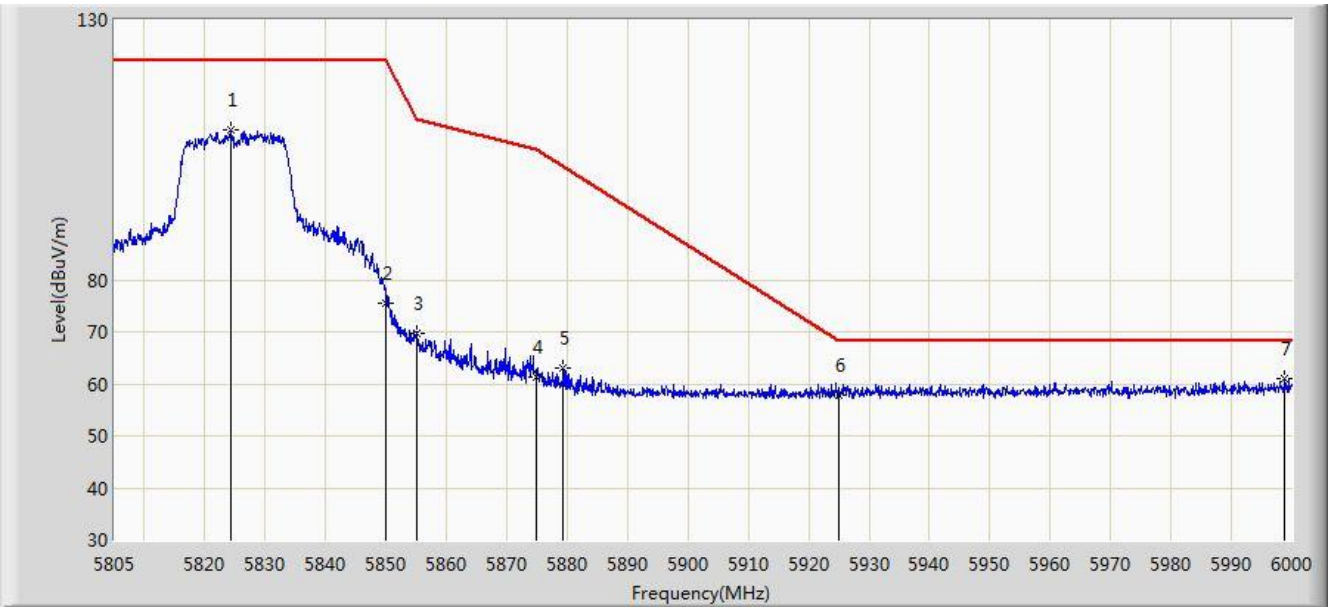


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5826.450	117.945	112.349	N/A	N/A	5.596	PK
2			5850.000	87.673	81.947	-34.527	122.200	5.726	PK
3			5855.000	79.024	73.278	-31.776	110.800	5.746	PK
4			5855.212	80.179	74.432	-30.561	110.741	5.746	PK
5			5875.000	70.150	64.330	-35.050	105.200	5.820	PK
6			5875.980	71.759	65.936	-32.713	104.472	5.824	PK
7			5925.000	57.907	51.941	-10.293	68.200	5.967	PK
8			5941.500	60.344	54.337	-7.856	68.200	6.007	PK

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

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

Site: AC1	Time: 2017/12/10 - 12:26
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5825MHz Ant 0	

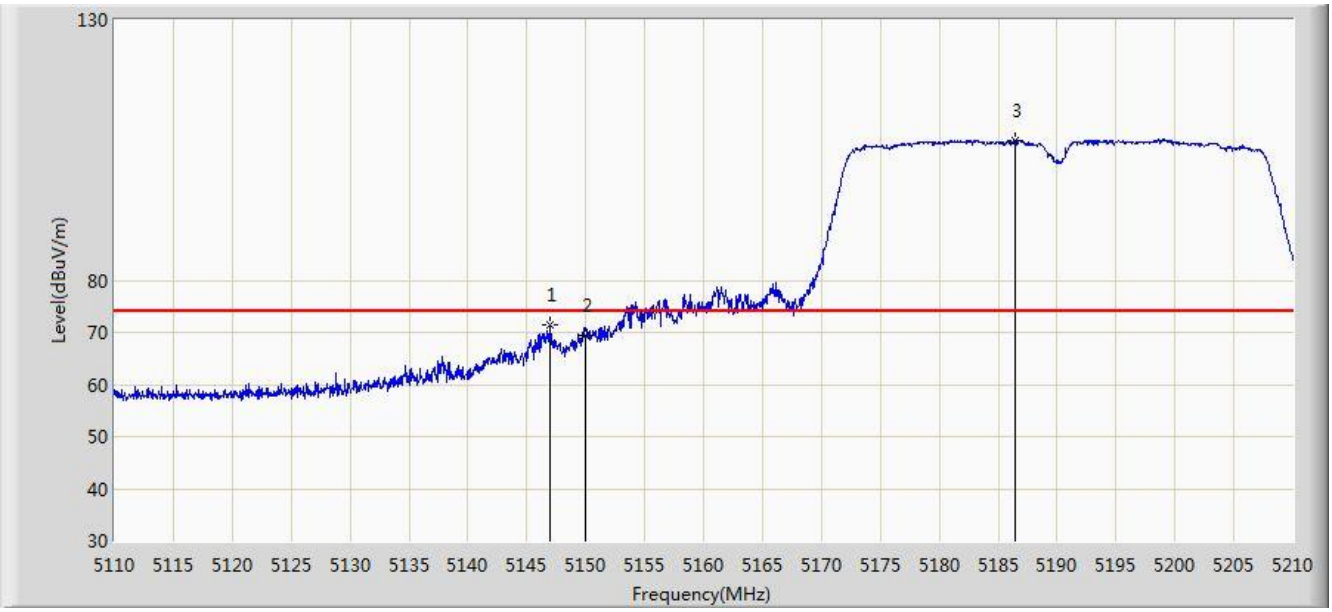


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5824.305	108.865	103.281	N/A	N/A	5.584	PK
2			5850.000	75.450	69.724	-46.750	122.200	5.726	PK
3			5855.000	69.779	64.033	-41.021	110.800	5.746	PK
4			5875.000	61.327	55.507	-43.873	105.200	5.820	PK
5			5879.295	62.916	57.081	-39.094	102.009	5.834	PK
6			5925.000	57.779	51.813	-10.421	68.200	5.967	PK
7			5998.830	60.974	54.865	-7.226	68.200	6.109	PK

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

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

Site: AC1	Time: 2017/12/10 - 12:32
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz Ant 0	

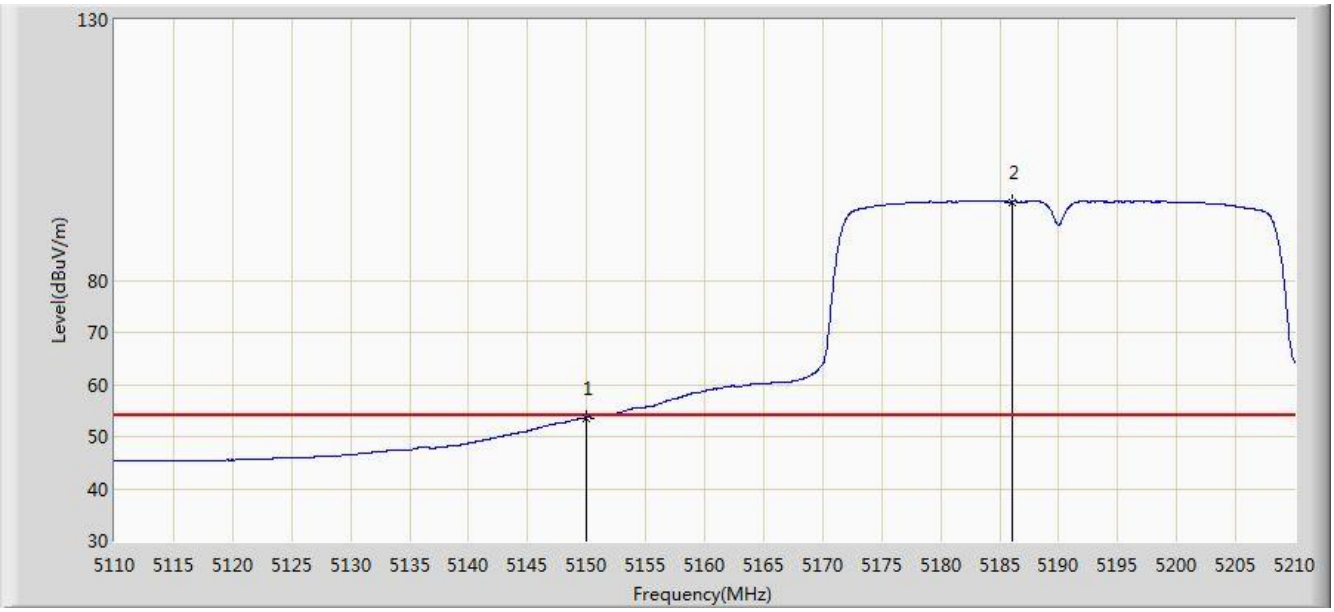


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5147.000	71.361	67.185	-2.639	74.000	4.176	PK
2			5150.000	69.447	65.278	-4.553	74.000	4.170	PK
3			5186.450	106.688	102.642	N/A	N/A	4.046	PK

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

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

Site: AC1	Time: 2017/12/10 - 12:30
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz Ant 0	

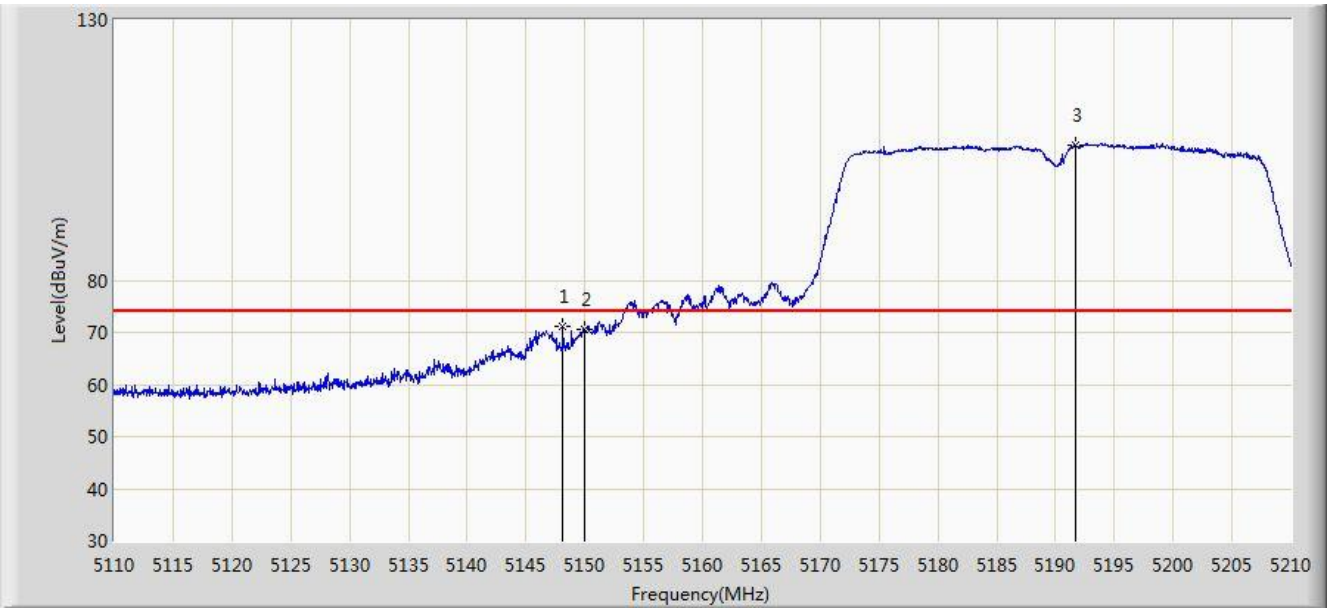


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.610	49.441	-0.390	54.000	4.170	AV
2			5186.050	95.063	91.016	N/A	N/A	4.048	AV

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

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

Site: AC1	Time: 2017/12/10 - 12:33
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz Ant 0	

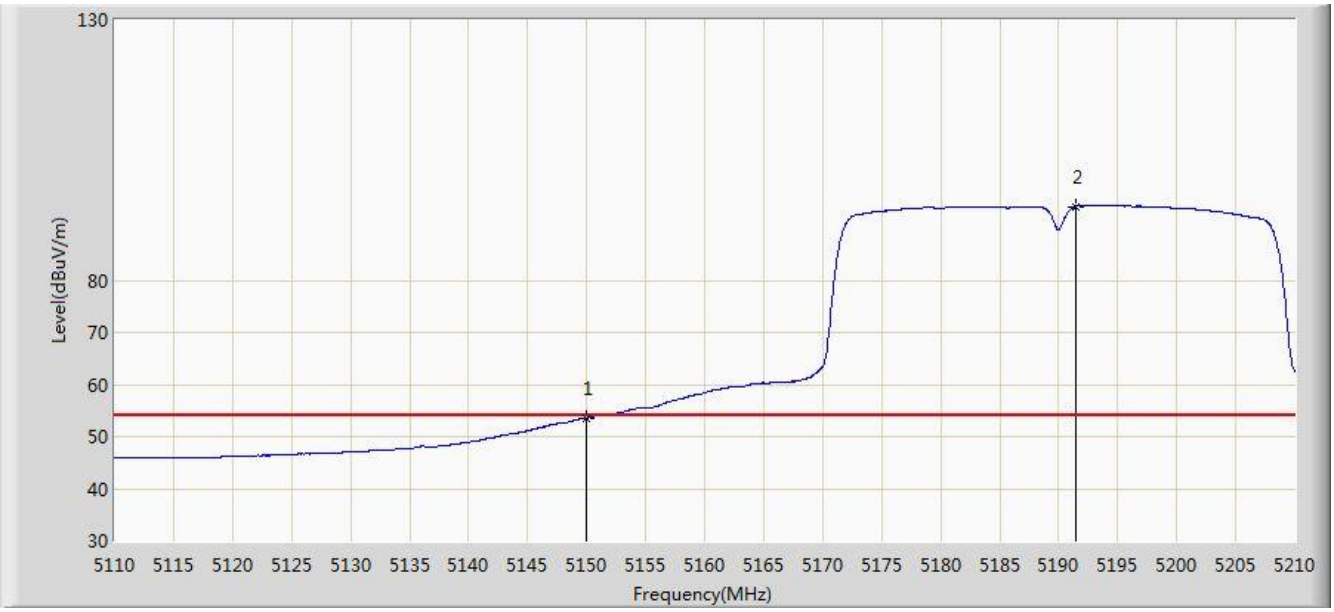


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.150	71.268	67.093	-2.732	74.000	4.175	PK
2			5150.000	70.537	66.368	-3.463	74.000	4.170	PK
3			5191.700	106.016	101.989	N/A	N/A	4.027	PK

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

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

Site: AC1	Time: 2017/12/10 - 12:35
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz Ant 0	

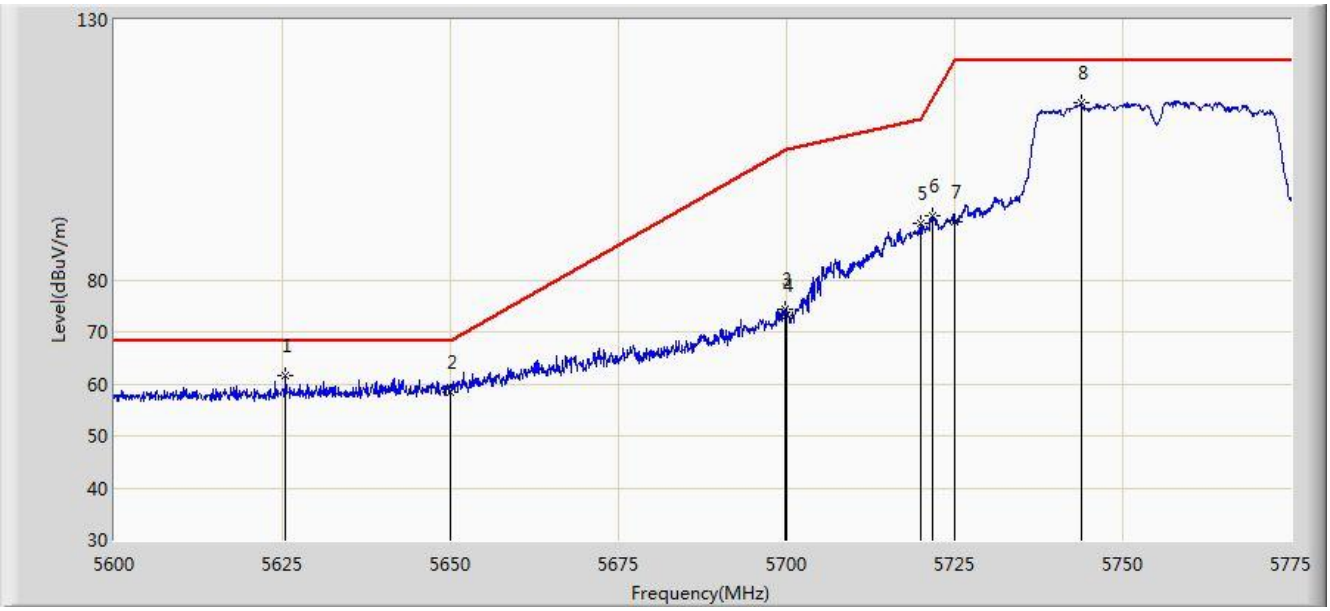


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.510	49.341	-0.490	54.000	4.170	AV
2			5191.450	94.172	90.144	N/A	N/A	4.028	AV

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

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

Site: AC1	Time: 2017/12/10 - 13:19
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5755MHz Ant 0	

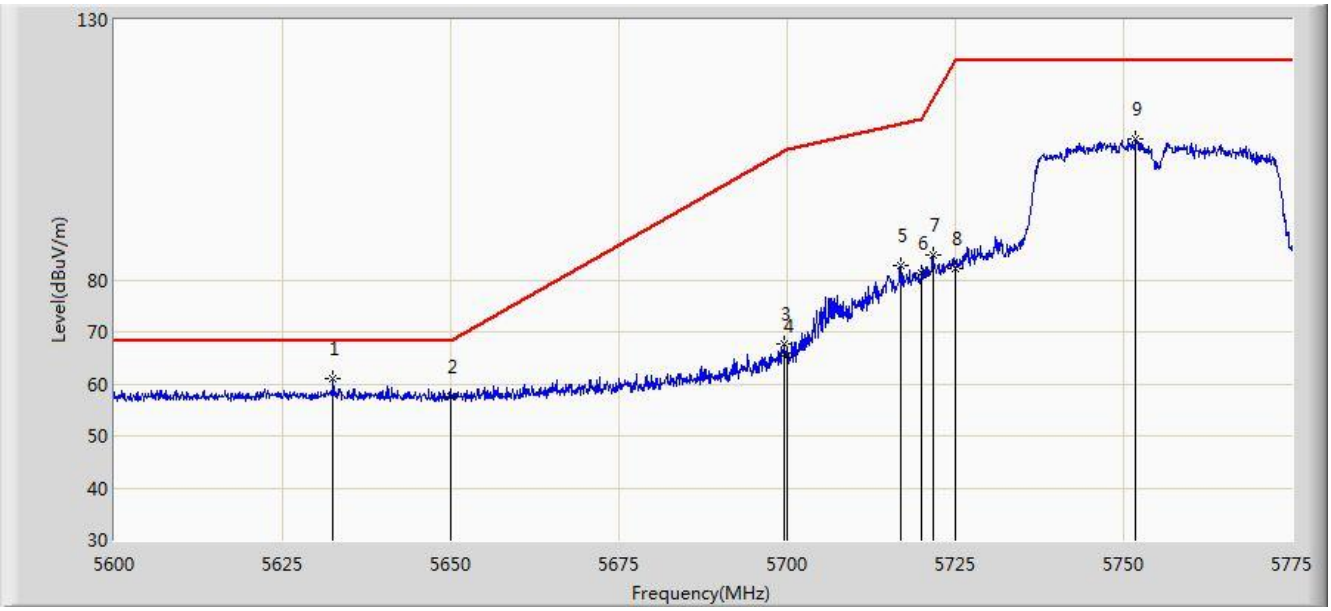


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5625.462	61.532	56.936	-6.668	68.200	4.595	PK
2			5650.000	58.519	53.848	-9.681	68.200	4.671	PK
3			5699.837	74.377	69.500	-30.703	105.080	4.878	PK
4			5700.000	73.265	68.387	-31.935	105.200	4.878	PK
5			5720.000	90.870	85.873	-19.930	110.800	4.997	PK
6			5721.625	92.227	87.220	-22.279	114.506	5.007	PK
7			5725.000	91.024	85.995	-31.176	122.200	5.029	PK
8			5743.763	114.105	108.957	N/A	N/A	5.147	PK

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

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

Site: AC1	Time: 2017/12/10 - 13:21
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5755MHz Ant 0	

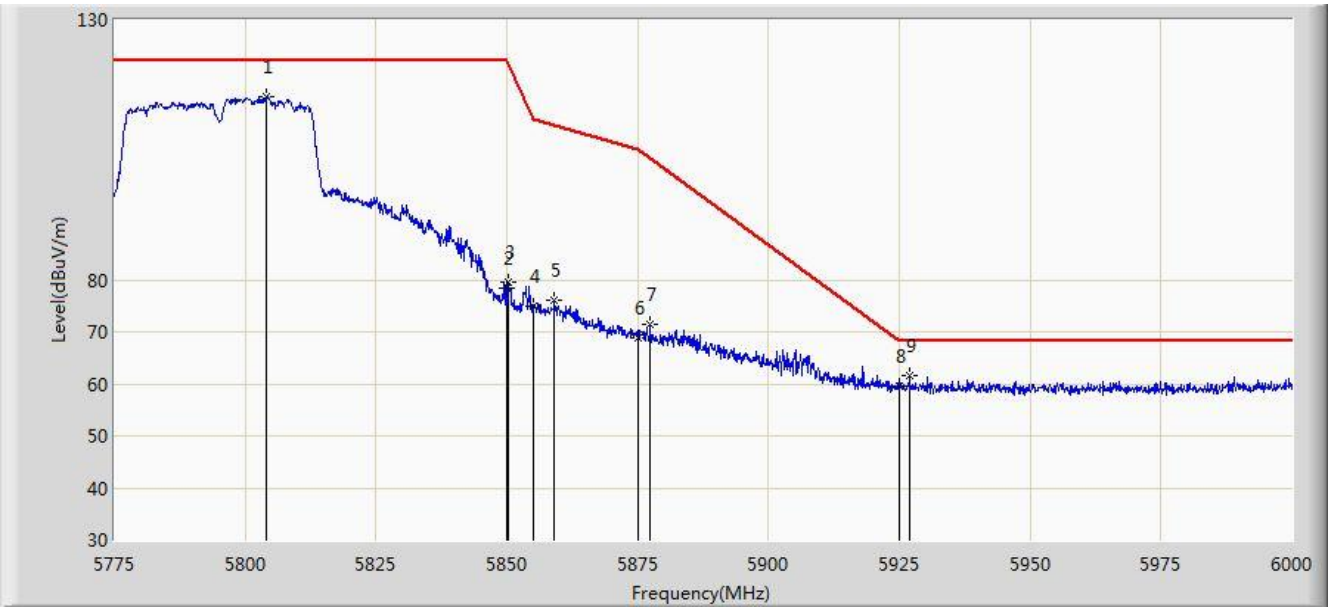


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5632.550	60.960	56.344	-7.240	68.200	4.617	PK
2			5650.000	57.605	52.934	-10.595	68.200	4.671	PK
3			5699.575	67.619	62.743	-37.268	104.887	4.876	PK
4			5700.000	65.368	60.490	-39.832	105.200	4.878	PK
5			5716.812	82.839	77.863	-27.069	109.909	4.976	PK
6			5720.000	81.161	76.164	-29.639	110.800	4.997	PK
7			5721.625	84.792	79.785	-29.714	114.506	5.007	PK
8			5725.000	82.170	77.141	-40.030	122.200	5.029	PK
9			5751.812	106.994	101.800	N/A	N/A	5.194	PK

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

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

Site: AC1	Time: 2017/12/10 - 13:22
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5795MHz Ant 0	

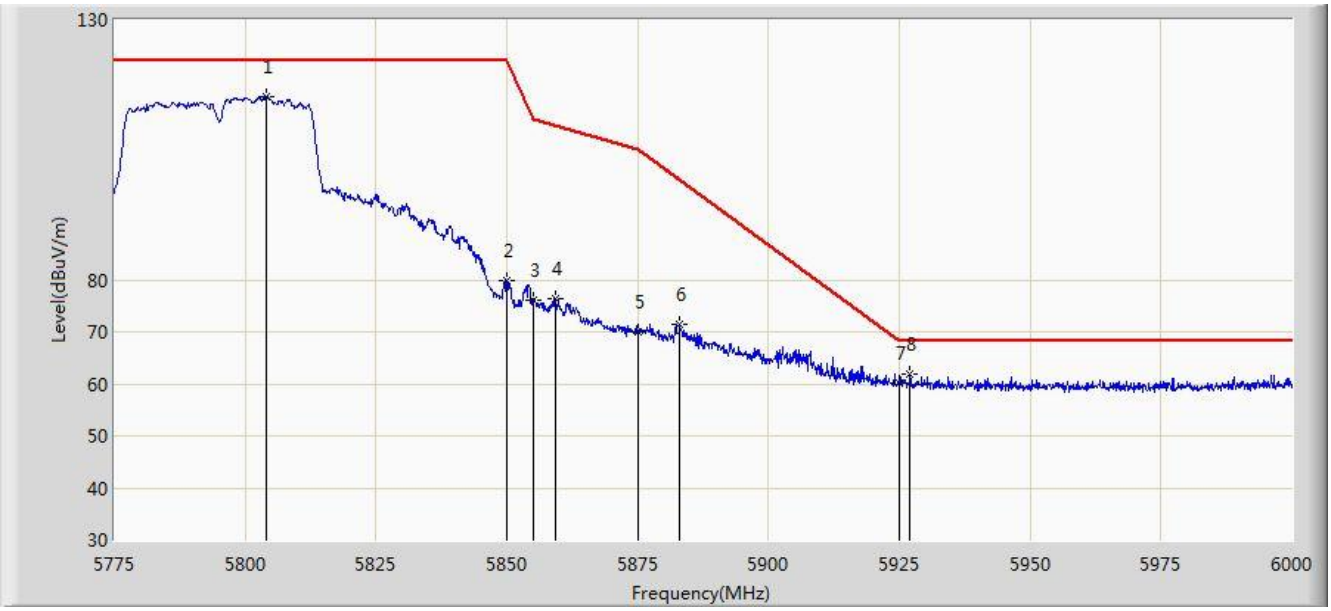


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5803.913	115.335	109.868	N/A	N/A	5.467	PK
2			5850.000	78.303	72.577	-43.897	122.200	5.726	PK
3			5850.263	79.575	73.848	-42.026	121.600	5.726	PK
4			5855.000	74.817	69.071	-35.983	110.800	5.746	PK
5			5859.150	76.139	70.376	-33.497	109.636	5.764	PK
6			5875.000	68.974	63.154	-36.226	105.200	5.820	PK
7			5877.487	71.452	65.624	-31.900	103.352	5.828	PK
8			5925.000	59.665	53.699	-8.535	68.200	5.967	PK
9			5926.987	61.651	55.680	-6.549	68.200	5.971	PK

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

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

Site: AC1	Time: 2017/12/10 - 13:23
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5795MHz Ant 0	

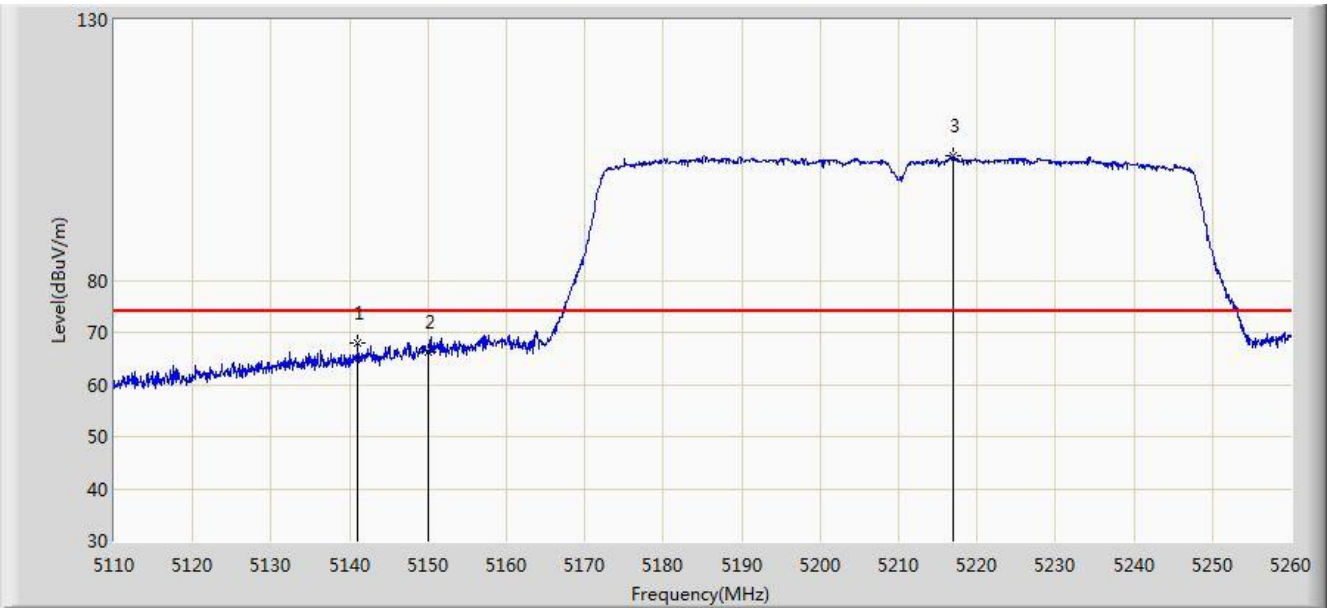


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5803.913	115.335	109.868	N/A	N/A	5.467	PK
2			5850.000	79.809	74.083	-42.391	122.200	5.726	PK
3			5855.000	75.948	70.202	-34.852	110.800	5.746	PK
4			5859.263	76.459	70.695	-33.146	109.605	5.764	PK
5			5875.000	69.873	64.053	-35.327	105.200	5.820	PK
6			5883.112	71.579	65.731	-27.597	99.176	5.848	PK
7			5925.000	60.125	54.159	-8.075	68.200	5.967	PK
8			5927.100	61.767	55.795	-6.433	68.200	5.972	PK

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

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

Site: AC1	Time: 2017/12/10 - 13:27
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz Ant 0	

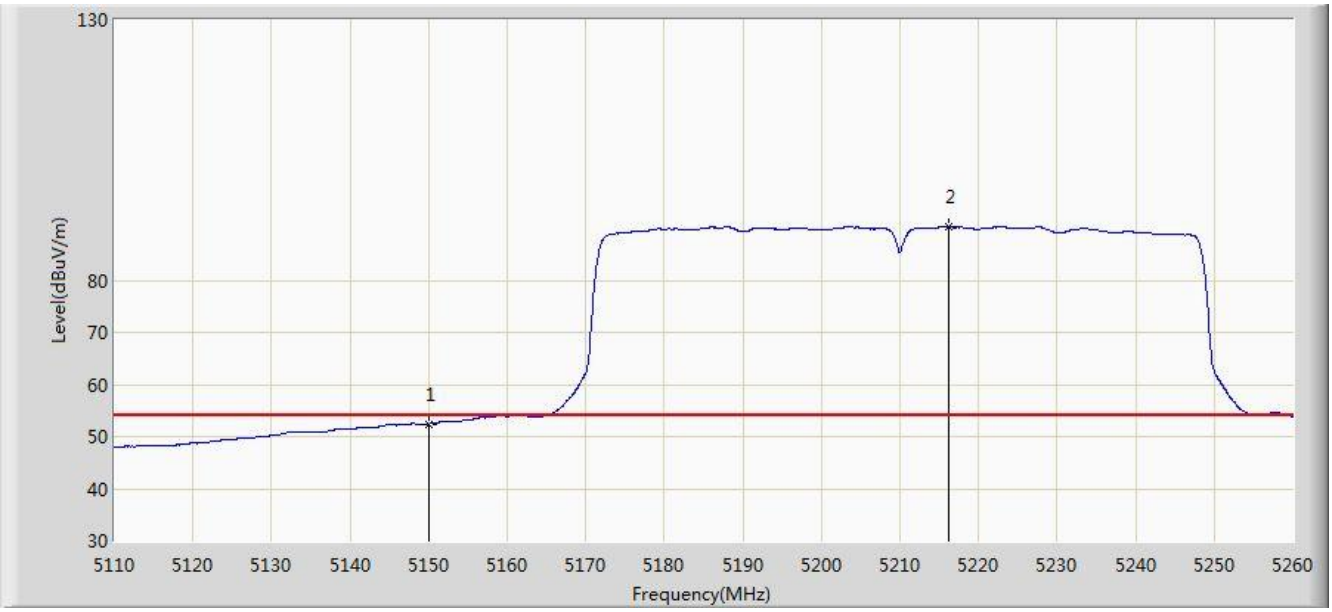


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5141.050	68.074	63.898	-5.926	74.000	4.175	PK
2			5150.000	66.278	62.109	-7.722	74.000	4.170	PK
3			5216.875	104.008	100.060	N/A	N/A	3.947	PK

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

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

Site: AC1	Time: 2017/12/10 - 13:27
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz Ant 0	

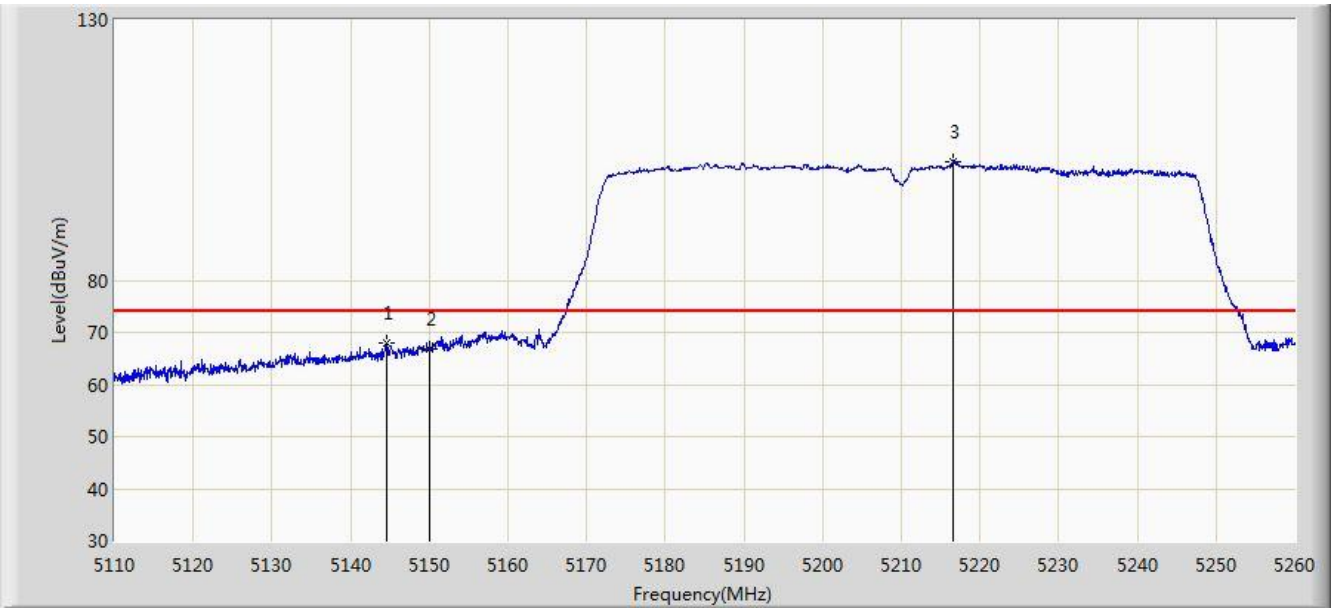


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	52.402	48.233	-1.598	54.000	4.170	AV
2			5216.200	90.339	86.389	N/A	N/A	3.950	AV

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

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

Site: AC1	Time: 2017/12/10 - 13:28
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz Ant 0	

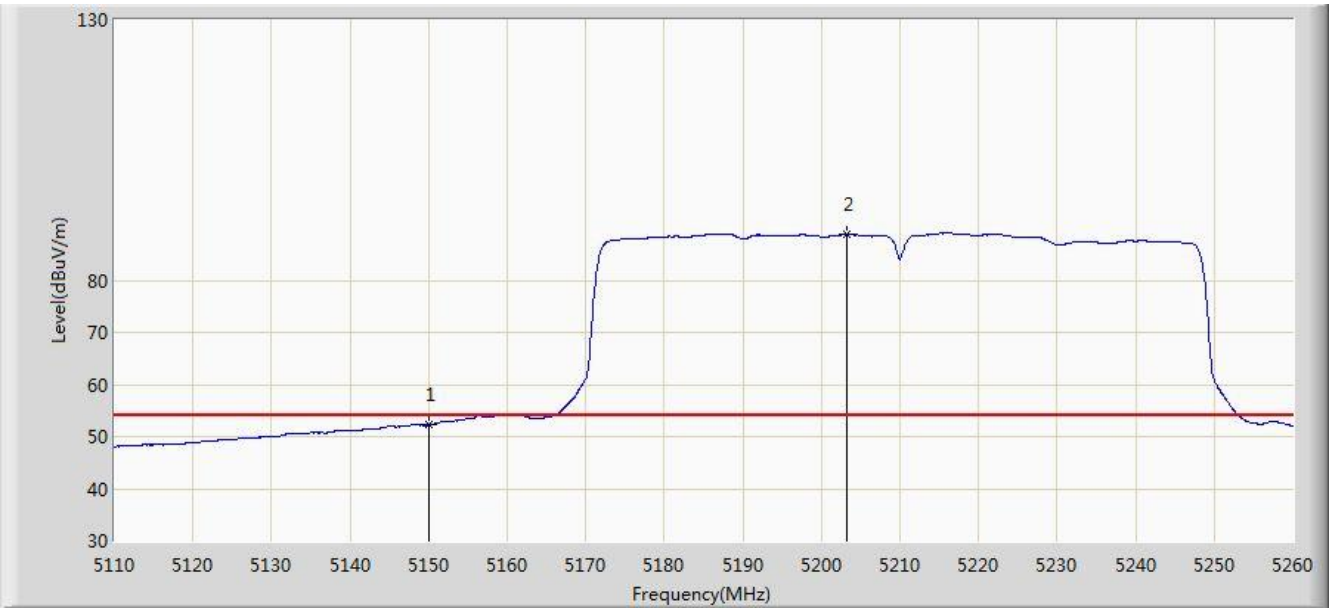


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5144.500	67.937	63.761	-6.063	74.000	4.176	PK
2			5150.000	66.735	62.566	-7.265	74.000	4.170	PK
3			5216.575	102.833	98.884	N/A	N/A	3.949	PK

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

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

Site: AC1	Time: 2017/12/10 - 13:31
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz Ant 0	

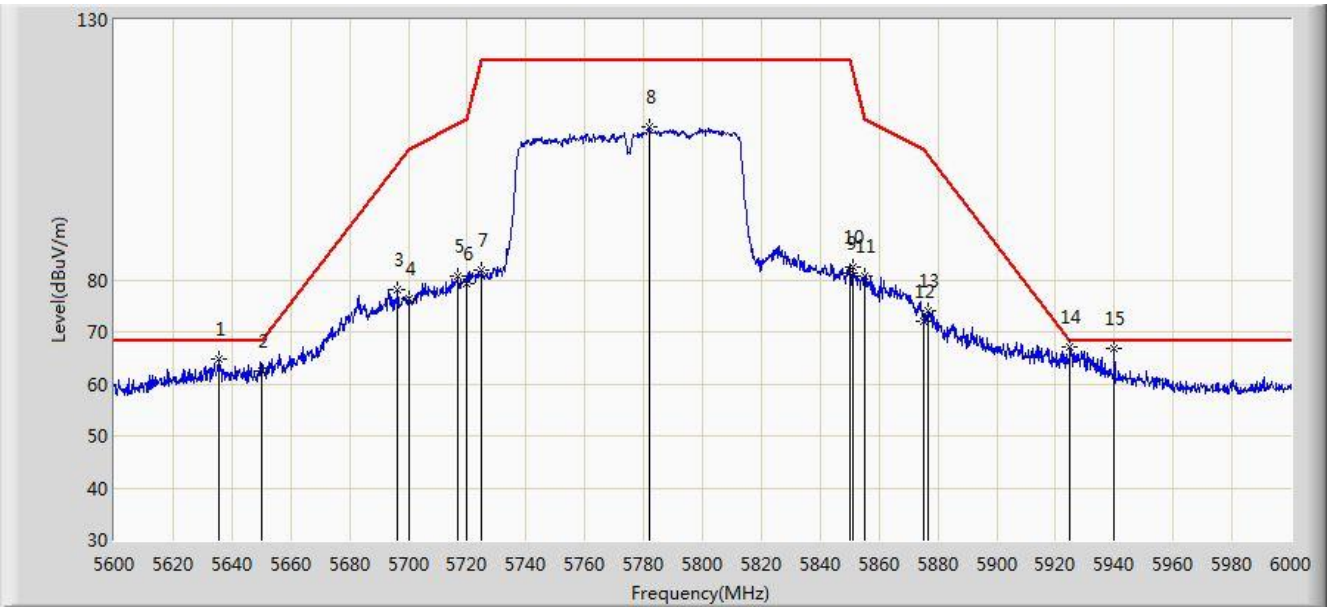


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	52.243	48.074	-1.757	54.000	4.170	AV
2			5203.225	88.868	84.879	N/A	N/A	3.988	AV

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

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

Site: AC1	Time: 2017/12/10 - 13:50
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5775MHz Ant 0	

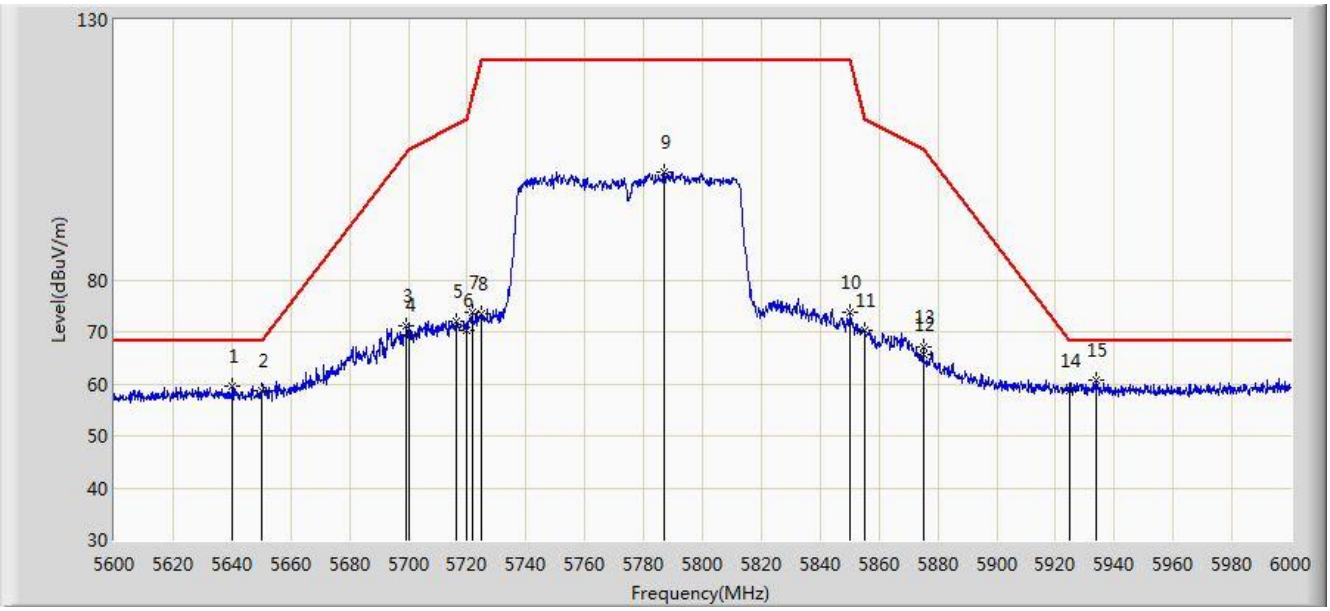


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5635.800	64.873	60.247	-3.327	68.200	4.625	PK
2			5650.000	62.539	57.868	-5.661	68.200	4.671	PK
3			5696.200	78.153	73.295	-24.246	102.399	4.859	PK
4			5700.000	76.340	71.462	-28.860	105.200	4.878	PK
5			5717.000	80.681	75.703	-29.281	109.961	4.978	PK
6			5720.000	79.185	74.188	-31.615	110.800	4.997	PK
7			5725.000	81.958	76.929	-40.242	122.200	5.029	PK
8			5781.800	109.554	104.203	N/A	N/A	5.350	PK
9			5850.000	81.418	75.692	-40.782	122.200	5.726	PK
10			5851.000	82.413	76.683	-37.507	119.919	5.730	PK
11			5855.000	80.826	75.080	-29.974	110.800	5.746	PK
12			5875.000	72.067	66.247	-33.133	105.200	5.820	PK
13			5876.600	74.116	68.291	-29.895	104.011	5.826	PK
14			5925.000	66.970	61.004	-1.230	68.200	5.967	PK
15			5940.000	66.743	60.739	-1.457	68.200	6.004	PK

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

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

Site: AC1	Time: 2017/12/10 - 13:52
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5775MHz Ant 0	

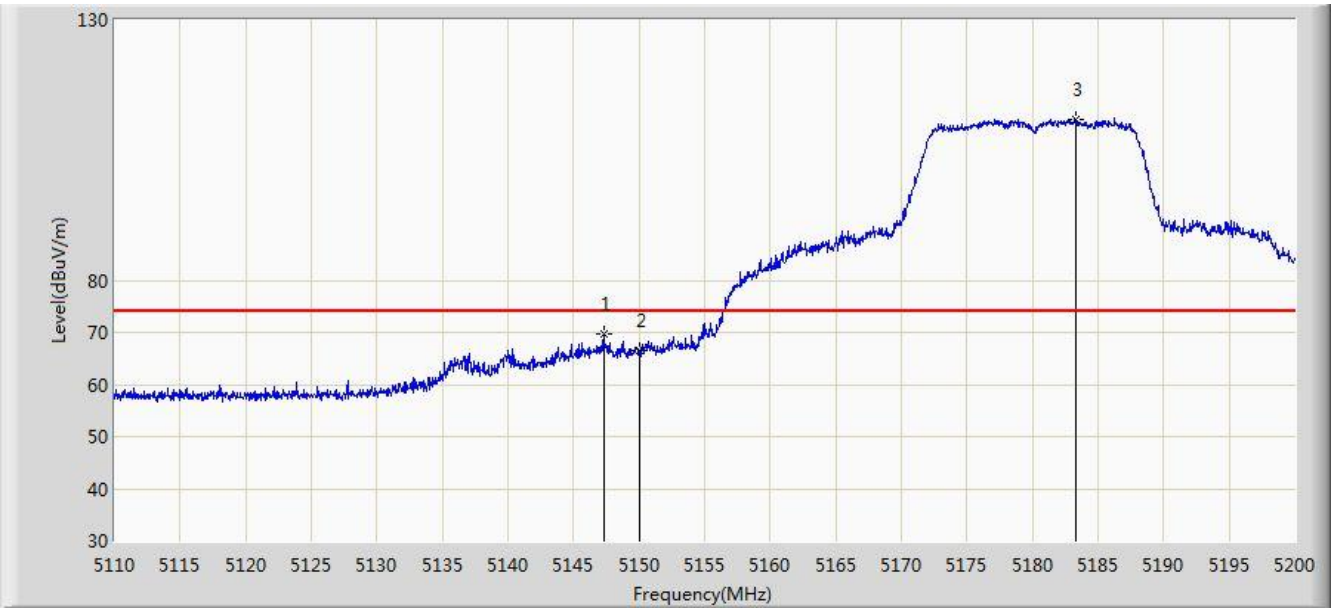


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5640.200	59.434	54.795	-8.766	68.200	4.638	PK
2			5650.000	58.776	54.105	-9.424	68.200	4.671	PK
3			5699.400	71.164	66.289	-33.594	104.758	4.874	PK
4			5700.000	69.500	64.622	-35.700	105.200	4.878	PK
5			5716.200	72.076	67.104	-37.661	109.738	4.972	PK
6			5720.000	70.356	65.359	-40.444	110.800	4.997	PK
7			5721.600	73.749	68.742	-40.700	114.449	5.007	PK
8			5725.000	73.552	68.523	-48.648	122.200	5.029	PK
9			5787.200	100.616	95.238	N/A	N/A	5.378	PK
10			5850.000	73.713	67.987	-48.487	122.200	5.726	PK
11			5855.000	70.220	64.474	-40.580	110.800	5.746	PK
12			5875.000	65.527	59.707	-39.673	105.200	5.820	PK
13			5875.200	67.200	61.379	-37.852	105.051	5.820	PK
14			5925.000	58.840	52.874	-9.360	68.200	5.967	PK
15			5933.600	60.681	54.693	-7.519	68.200	5.988	PK

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

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

Site: AC1	Time: 2017/12/10 - 13:55
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5180MHz Ant 1	

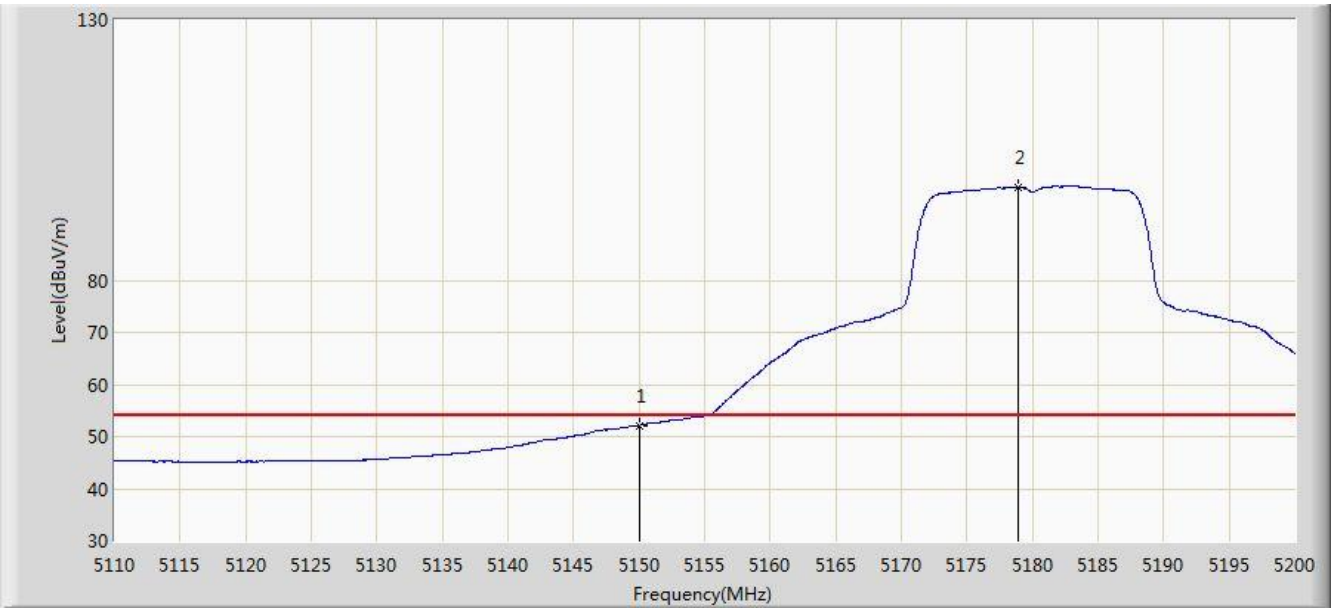


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5147.305	69.616	65.440	-4.384	74.000	4.176	PK
2			5150.000	66.429	62.260	-7.571	74.000	4.170	PK
3			5183.350	110.987	106.930	N/A	N/A	4.056	PK

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

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

Site: AC1	Time: 2017/12/10 - 13:56
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5180MHz Ant 1	

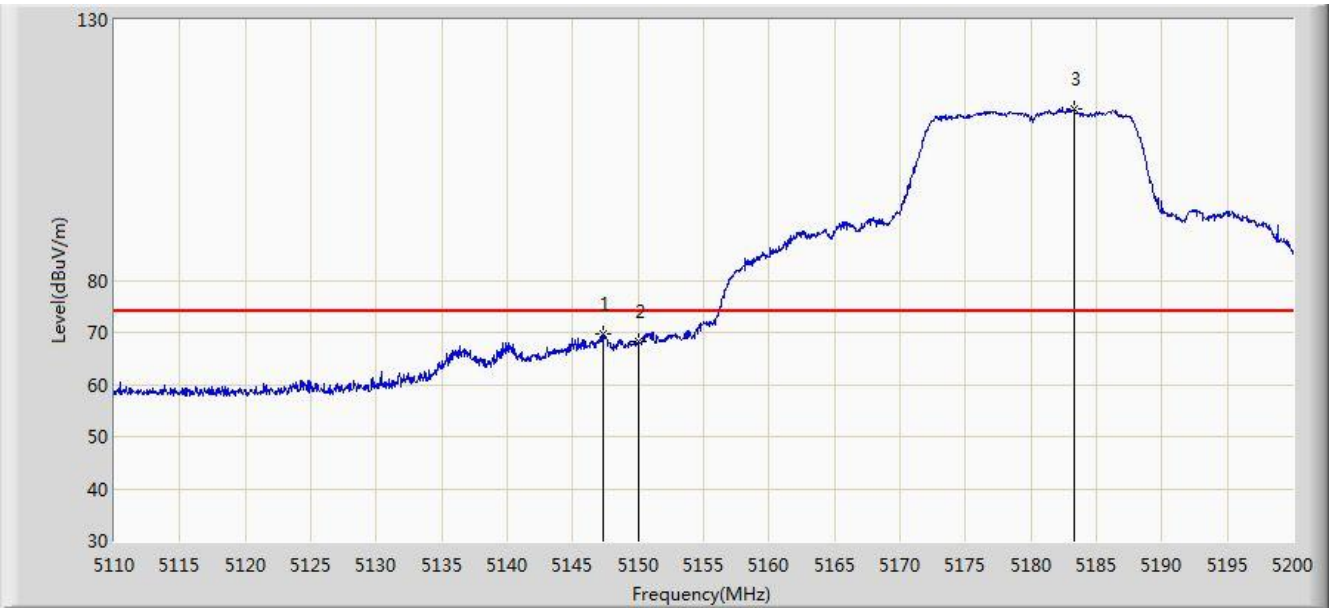


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	52.160	47.991	-1.840	54.000	4.170	AV
2			5178.940	97.875	93.802	N/A	N/A	4.072	AV

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

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

Site: AC1	Time: 2017/12/10 - 13:58
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5180MHz Ant 1	

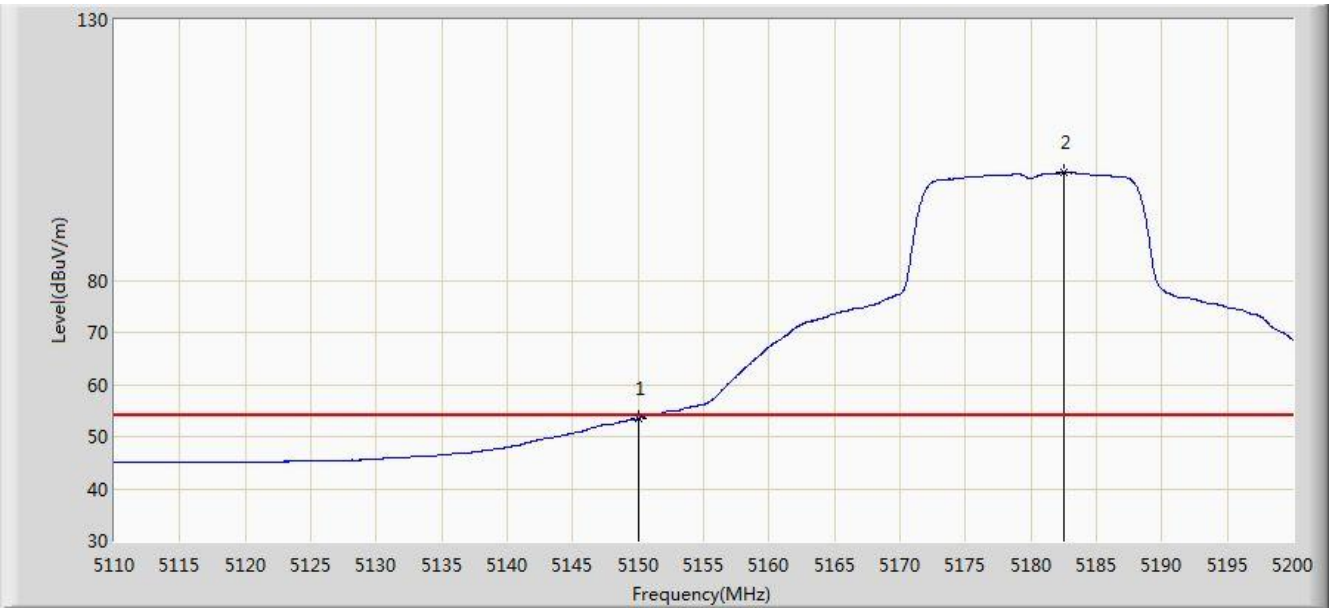


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5147.350	69.706	65.530	-4.294	74.000	4.175	PK
2			5150.000	68.255	64.086	-5.745	74.000	4.170	PK
3			5183.260	112.802	108.745	N/A	N/A	4.057	PK

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

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

Site: AC1	Time: 2017/12/10 - 14:04
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5180MHz Ant 1	

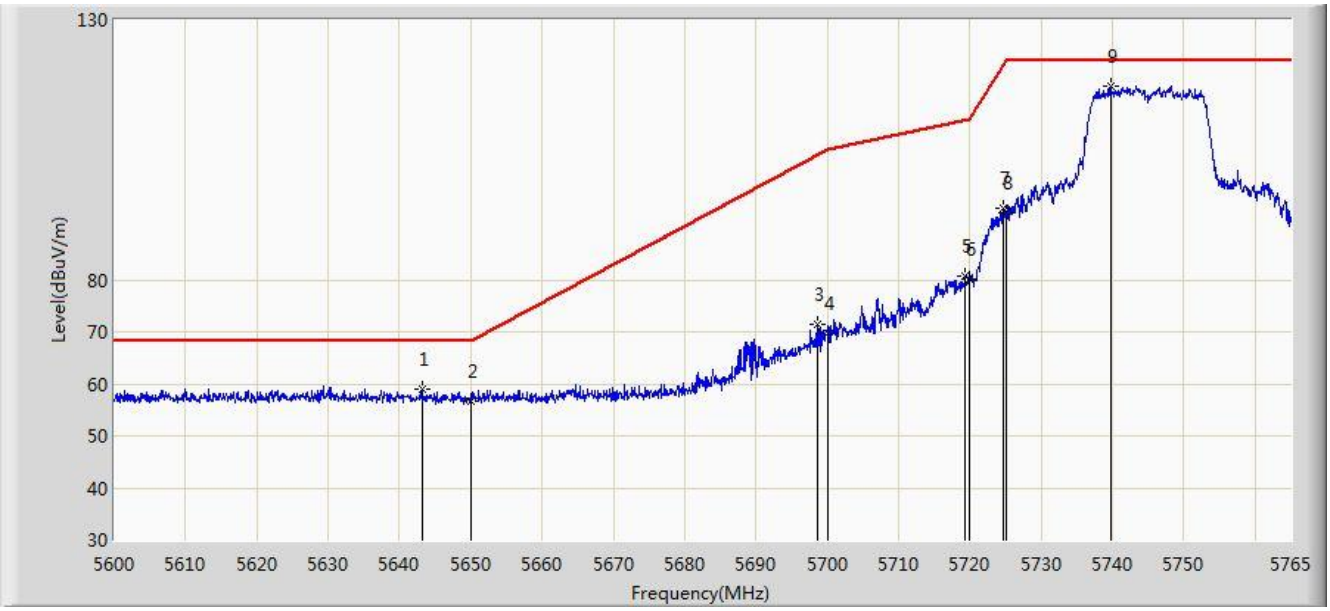


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.471	49.302	-0.529	54.000	4.170	AV
2			5182.495	100.672	96.612	N/A	N/A	4.060	AV

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

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

Site: AC1	Time: 2017/12/10 - 14:42
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5745MHz Ant 1	

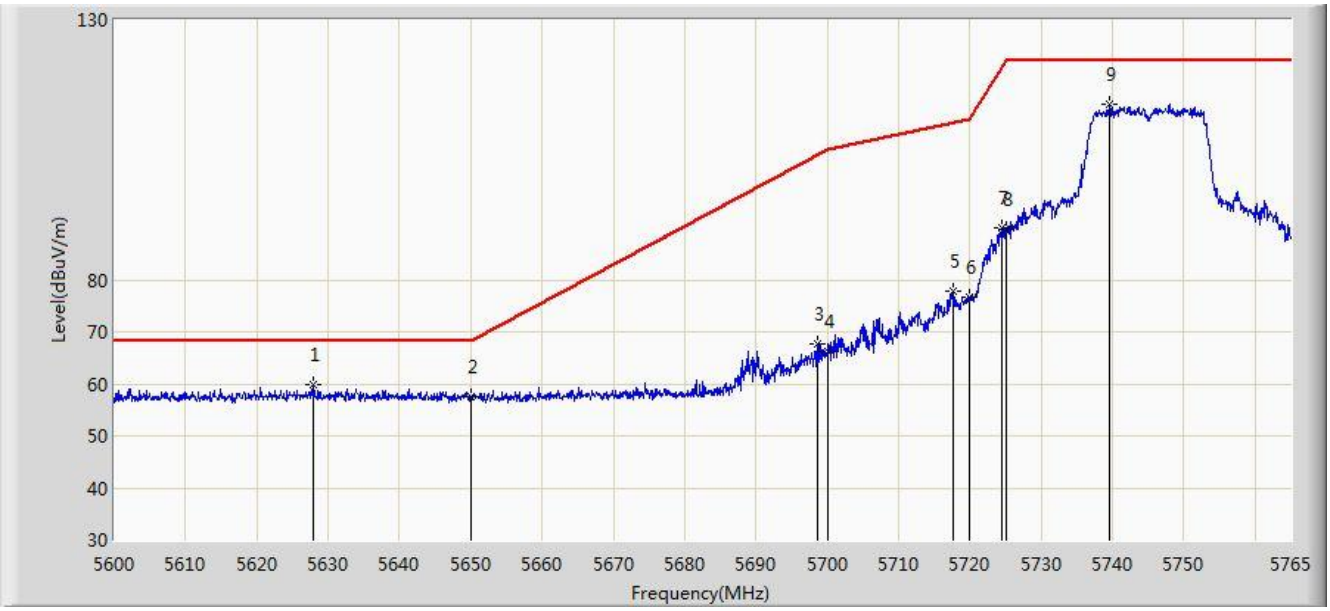


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5643.147	58.966	54.318	-9.234	68.200	4.649	PK
2			5650.000	56.681	52.010	-11.519	68.200	4.671	PK
3			5698.670	71.321	66.450	-32.899	104.220	4.871	PK
4			5700.000	69.828	64.950	-35.372	105.200	4.878	PK
5			5719.377	80.739	75.746	-29.887	110.626	4.993	PK
6			5720.000	80.169	75.172	-30.631	110.800	4.997	PK
7			5724.740	93.886	88.859	-27.721	121.607	5.028	PK
8			5725.000	93.026	87.997	-29.174	122.200	5.029	PK
9			5739.755	117.117	111.994	N/A	N/A	5.123	PK

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

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

Site: AC1	Time: 2017/12/10 - 14:44
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5745MHz Ant 1	

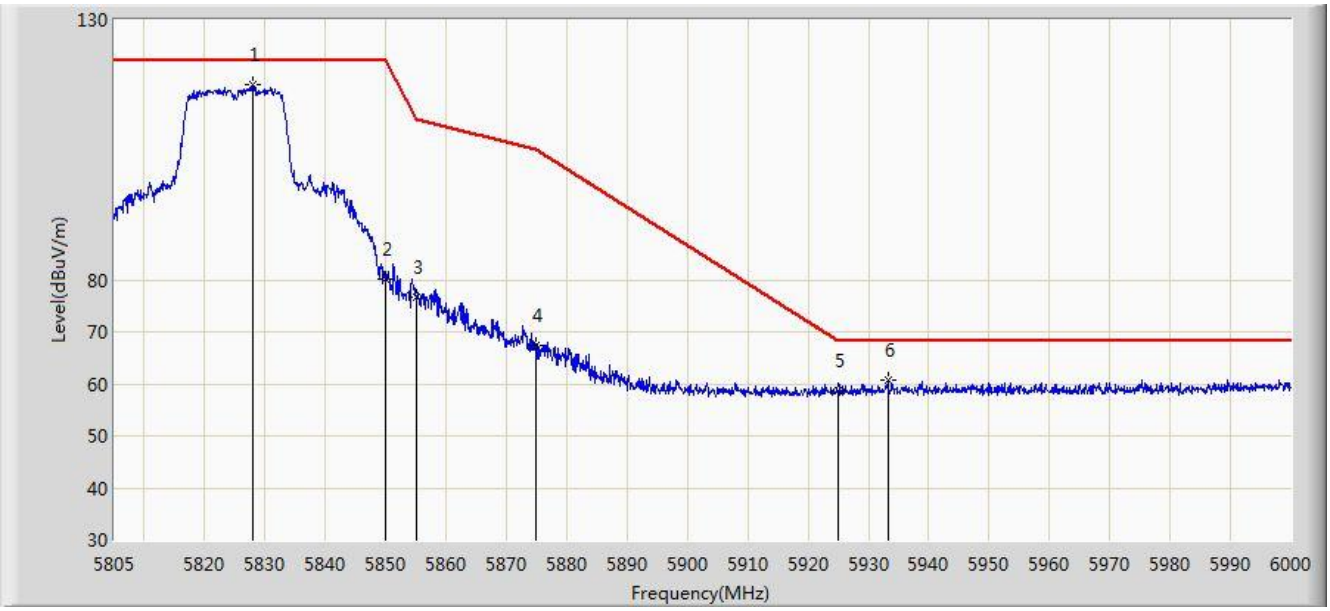


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5627.967	59.779	55.176	-8.421	68.200	4.604	PK
2			5650.000	57.597	52.926	-10.603	68.200	4.671	PK
3			5698.670	67.792	62.921	-36.428	104.220	4.871	PK
4			5700.000	66.320	61.442	-38.880	105.200	4.878	PK
5			5717.645	77.712	72.730	-32.430	110.142	4.982	PK
6			5720.000	76.802	71.805	-33.998	110.800	4.997	PK
7			5724.575	89.946	84.920	-31.285	121.231	5.026	PK
8			5725.000	89.601	84.572	-32.599	122.200	5.029	PK
9			5739.590	113.738	108.616	N/A	N/A	5.122	PK

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

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

Site: AC1	Time: 2017/12/10 - 14:47
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5825MHz Ant 1	

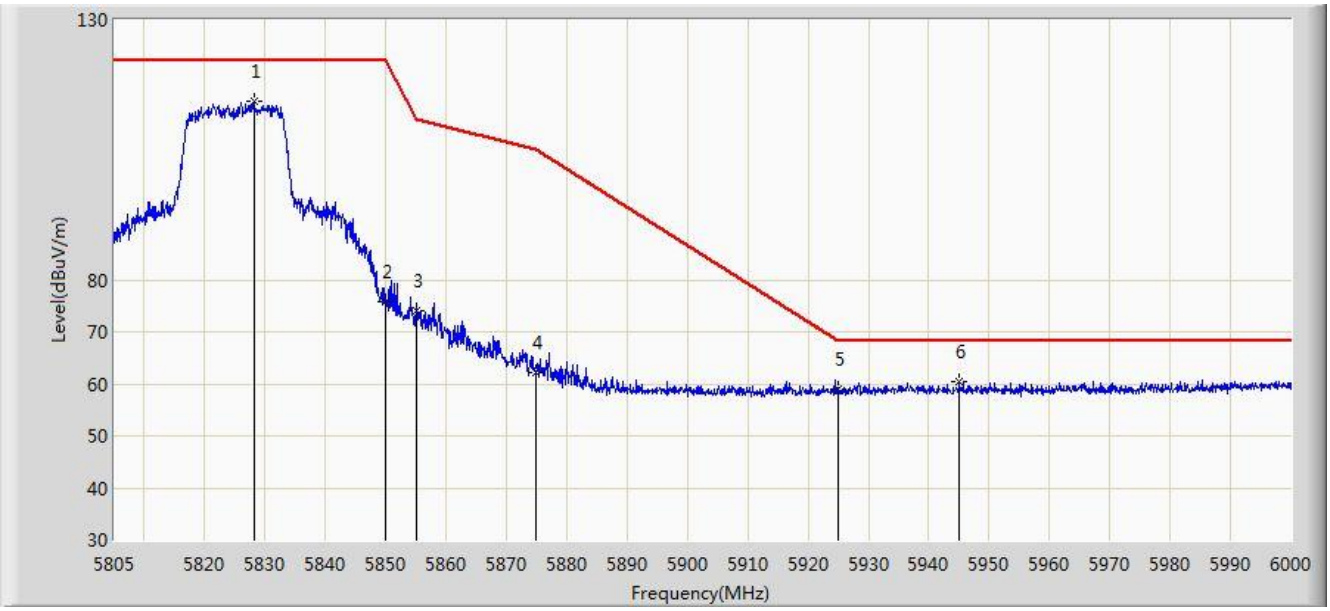


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5827.913	117.445	111.840	N/A	N/A	5.606	PK
2			5850.000	80.091	74.365	-42.109	122.200	5.726	PK
3			5855.000	76.674	70.928	-34.126	110.800	5.746	PK
4			5875.000	67.504	61.684	-37.696	105.200	5.820	PK
5			5925.000	58.743	52.777	-9.457	68.200	5.967	PK
6			5933.212	60.783	54.796	-7.417	68.200	5.987	PK

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

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

Site: AC1	Time: 2017/12/10 - 14:48
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5825MHz Ant 1	

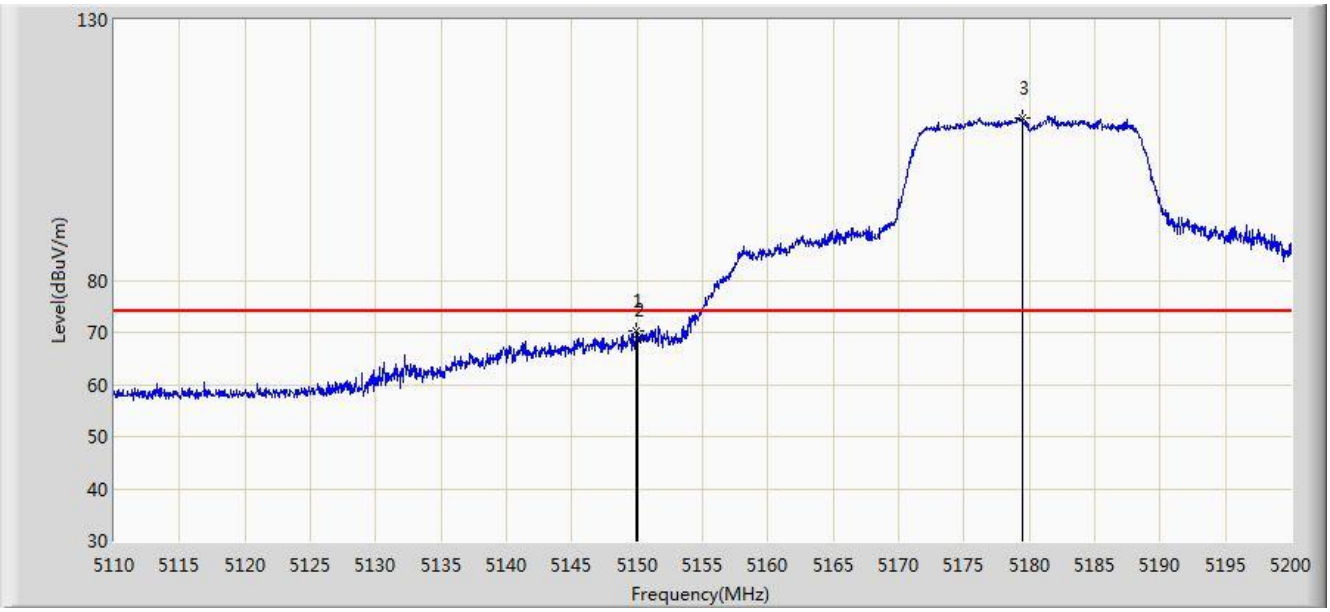


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5828.107	114.428	108.822	N/A	N/A	5.606	PK
2			5850.000	75.747	70.021	-46.453	122.200	5.726	PK
3			5855.000	74.157	68.411	-36.643	110.800	5.746	PK
4			5875.000	62.234	56.414	-42.966	105.200	5.820	PK
5			5925.000	59.042	53.076	-9.158	68.200	5.967	PK
6			5945.107	60.545	54.529	-7.655	68.200	6.016	PK

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

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

Site: AC1	Time: 2017/12/10 - 14:50
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz Ant 1	

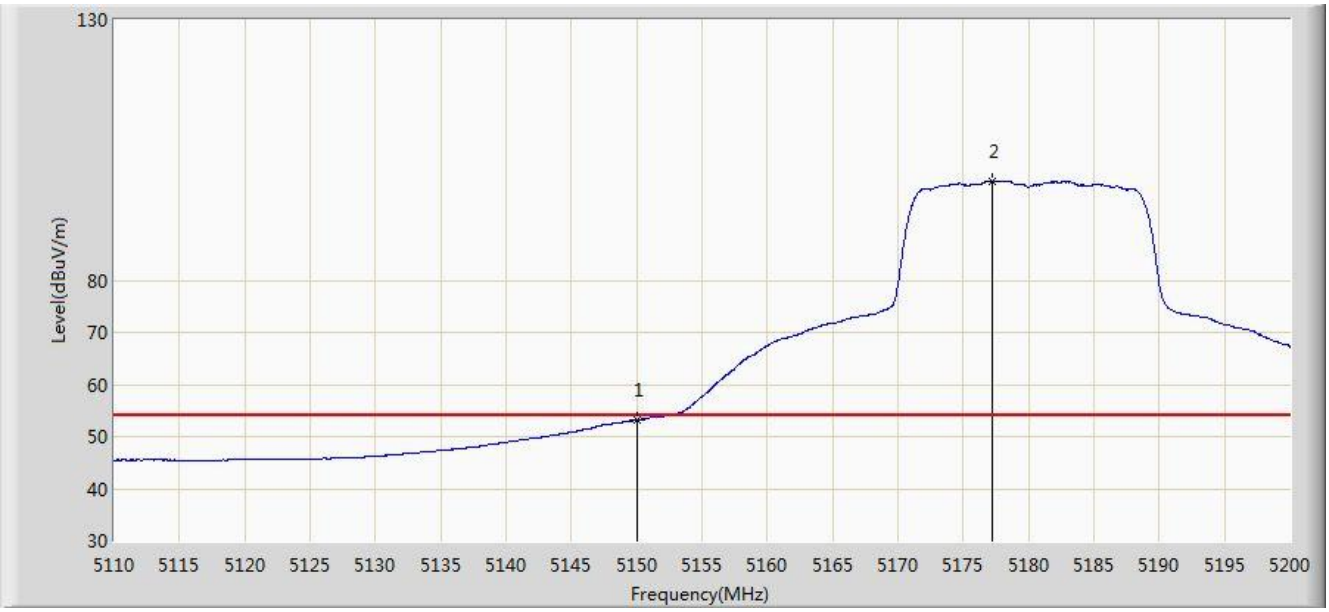


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.915	70.185	66.015	-3.815	74.000	4.170	PK
2			5150.000	68.567	64.398	-5.433	74.000	4.170	PK
3			5179.435	111.241	107.170	N/A	N/A	4.071	PK

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

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

Site: AC1	Time: 2017/12/10 - 14:53
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz Ant 1	

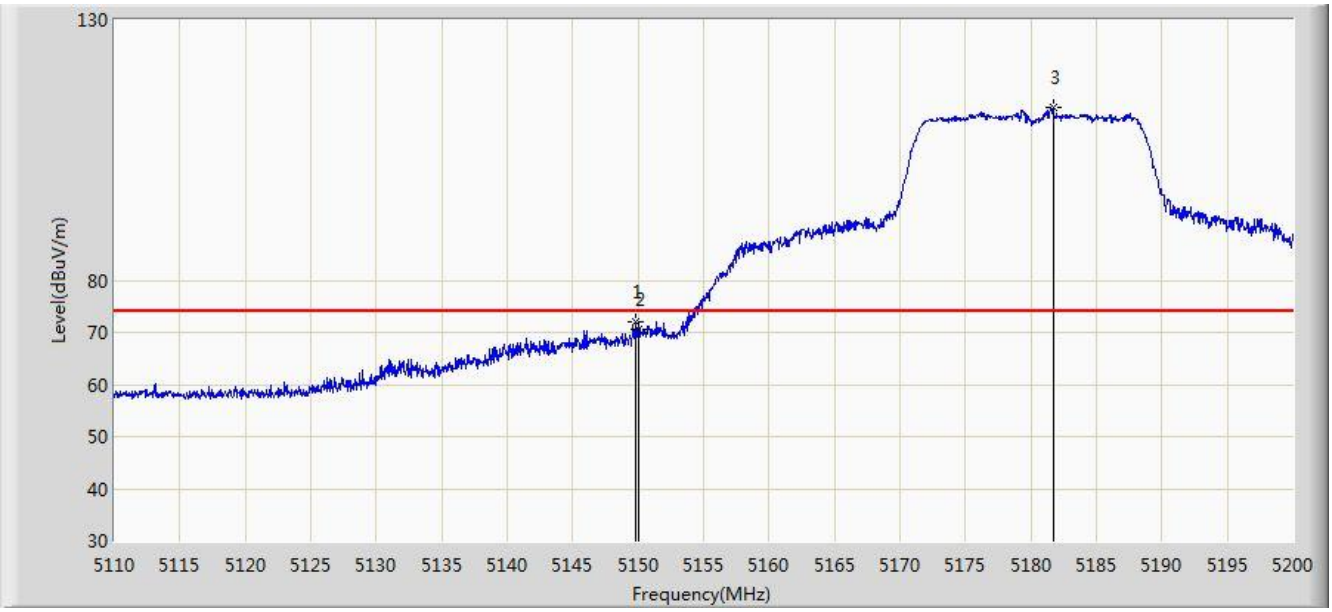


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.175	49.006	-0.825	54.000	4.170	AV
2			5177.185	99.014	94.935	N/A	N/A	4.078	AV

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

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

Site: AC1	Time: 2017/12/10 - 14:53
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz Ant 1	

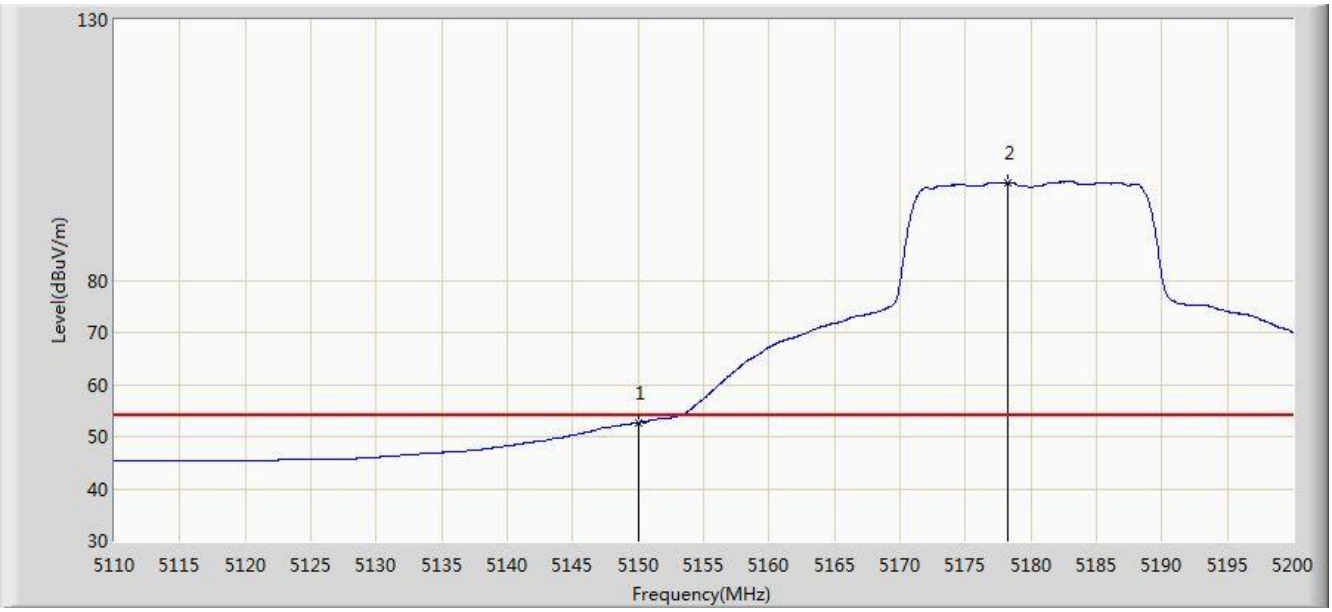


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.825	71.898	67.728	-2.102	74.000	4.170	PK
2			5150.000	70.468	66.299	-3.532	74.000	4.170	PK
3			5181.685	113.143	109.080	N/A	N/A	4.063	PK

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

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

Site: AC1	Time: 2017/12/10 - 14:55
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz Ant 1	

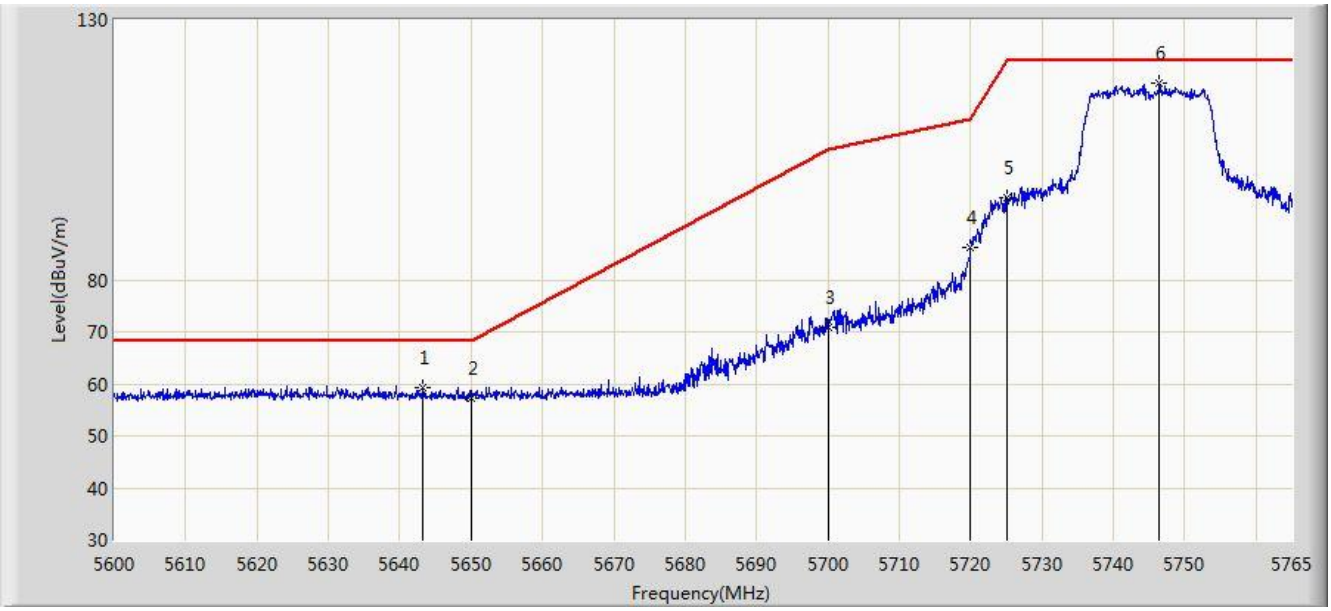


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	52.679	48.510	-1.321	54.000	4.170	AV
2			5178.265	98.717	94.642	N/A	N/A	4.075	AV

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

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

Site: AC1	Time: 2017/12/10 - 15:17
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5745MHz Ant 1	

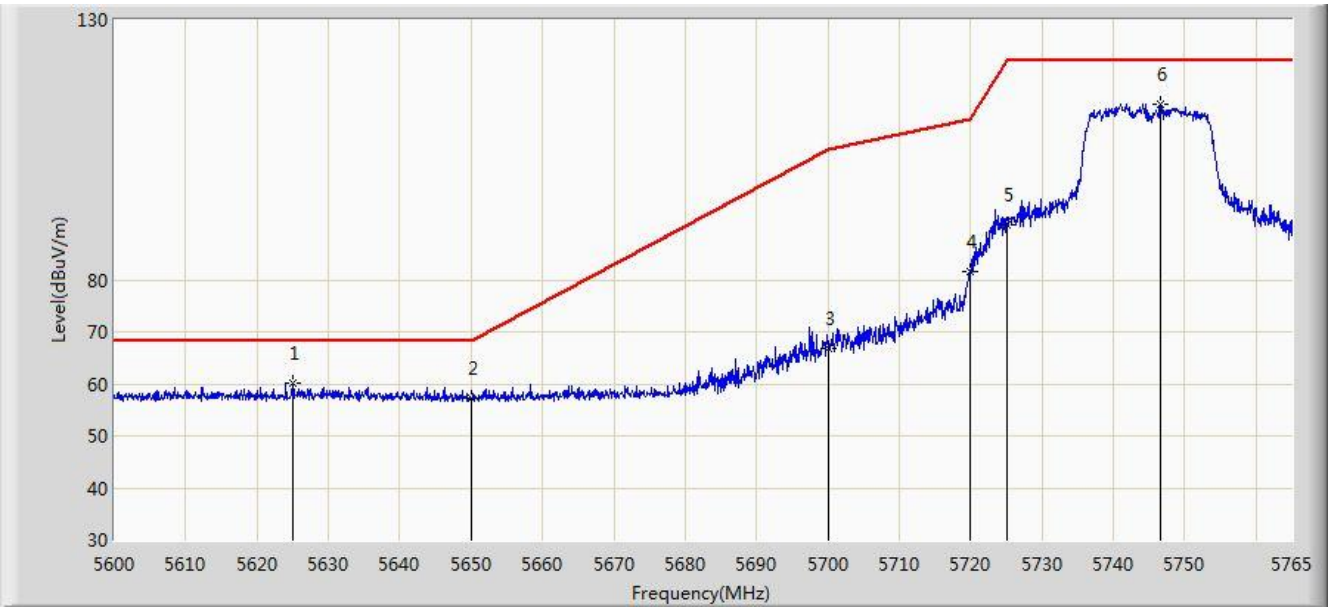


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5643.312	59.167	54.518	-9.033	68.200	4.649	PK
2			5650.000	57.188	52.517	-11.012	68.200	4.671	PK
3			5700.000	70.767	65.889	-34.433	105.200	4.878	PK
4			5720.000	86.371	81.374	-24.429	110.800	4.997	PK
5			5725.000	95.702	90.673	-26.498	122.200	5.029	PK
6			5746.437	117.806	112.643	N/A	N/A	5.163	PK

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

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

Site: AC1	Time: 2017/12/10 - 15:19
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5745MHz Ant 1	

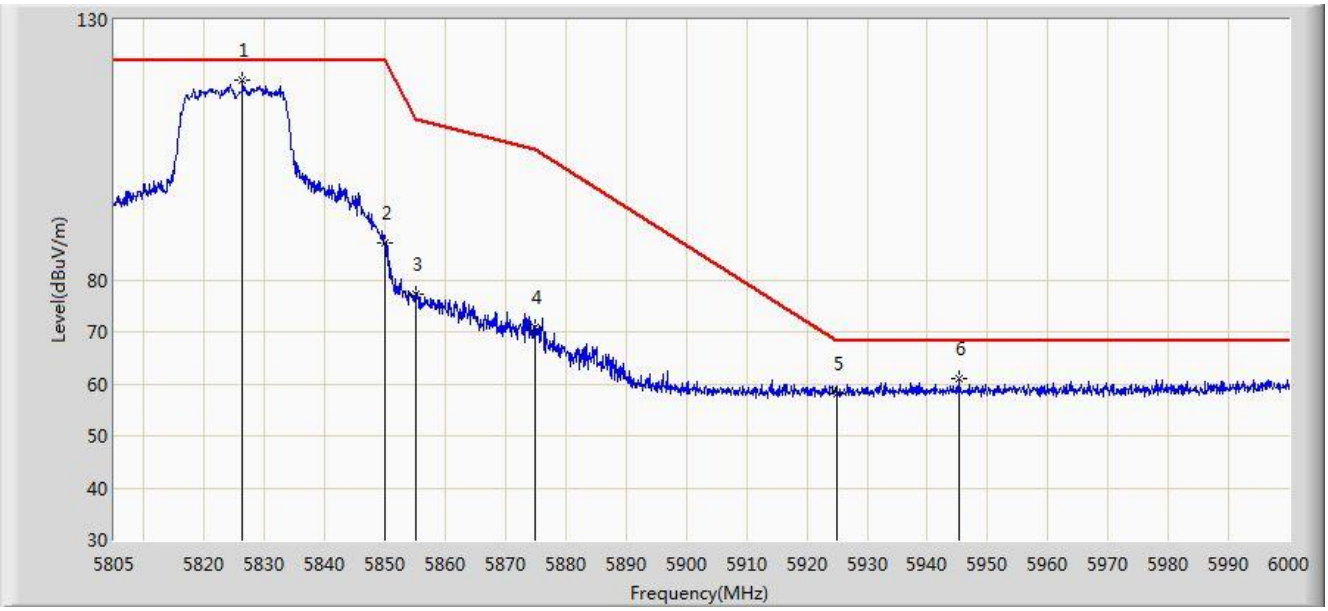


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5625.080	60.065	55.470	-8.135	68.200	4.595	PK
2			5650.000	57.229	52.558	-10.971	68.200	4.671	PK
3			5700.000	66.862	61.984	-38.338	105.200	4.878	PK
4			5720.000	81.716	76.719	-29.084	110.800	4.997	PK
5			5725.000	90.723	85.694	-31.477	122.200	5.029	PK
6			5746.520	113.754	108.590	N/A	N/A	5.163	PK

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

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

Site: AC1	Time: 2017/12/10 - 15:20
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5825MHz Ant 1	

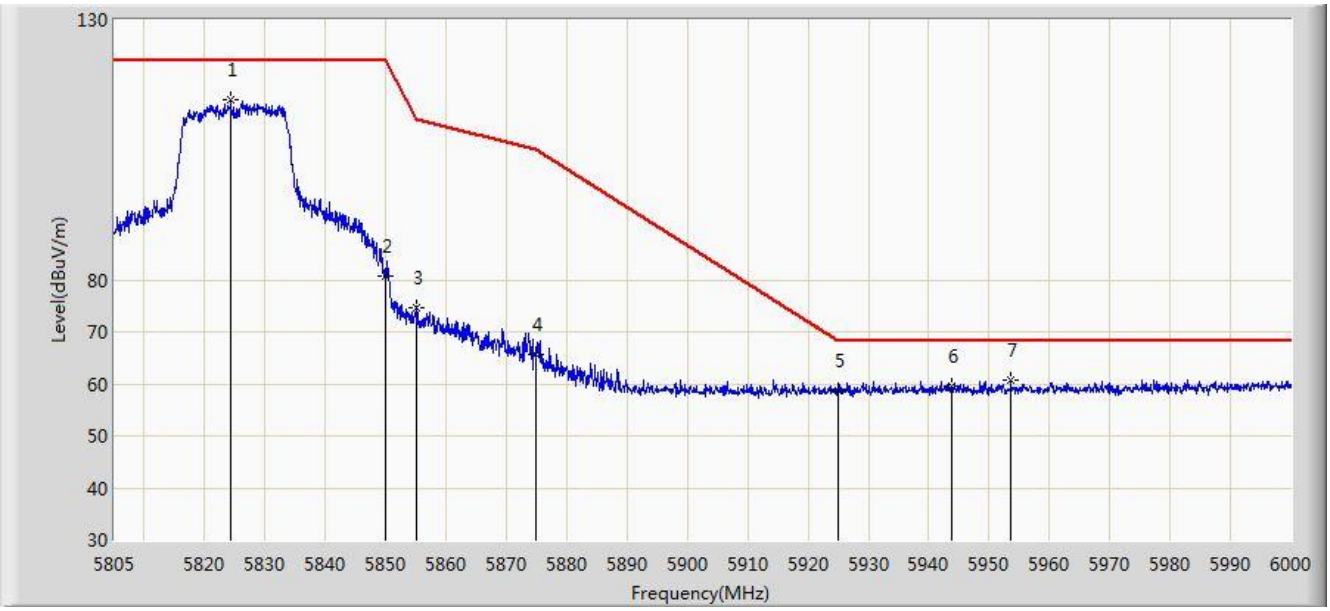


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5826.353	118.326	112.730	N/A	N/A	5.595	PK
2			5850.000	87.005	81.279	-35.195	122.200	5.726	PK
3			5855.000	77.223	71.477	-33.577	110.800	5.746	PK
4			5875.000	70.995	65.175	-34.205	105.200	5.820	PK
5			5925.000	58.085	52.119	-10.115	68.200	5.967	PK
6			5945.205	60.990	54.974	-7.210	68.200	6.016	PK

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

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

Site: AC1	Time: 2017/12/10 - 15:21
Limit: FCC_Part15.407_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5825MHz Ant 1	

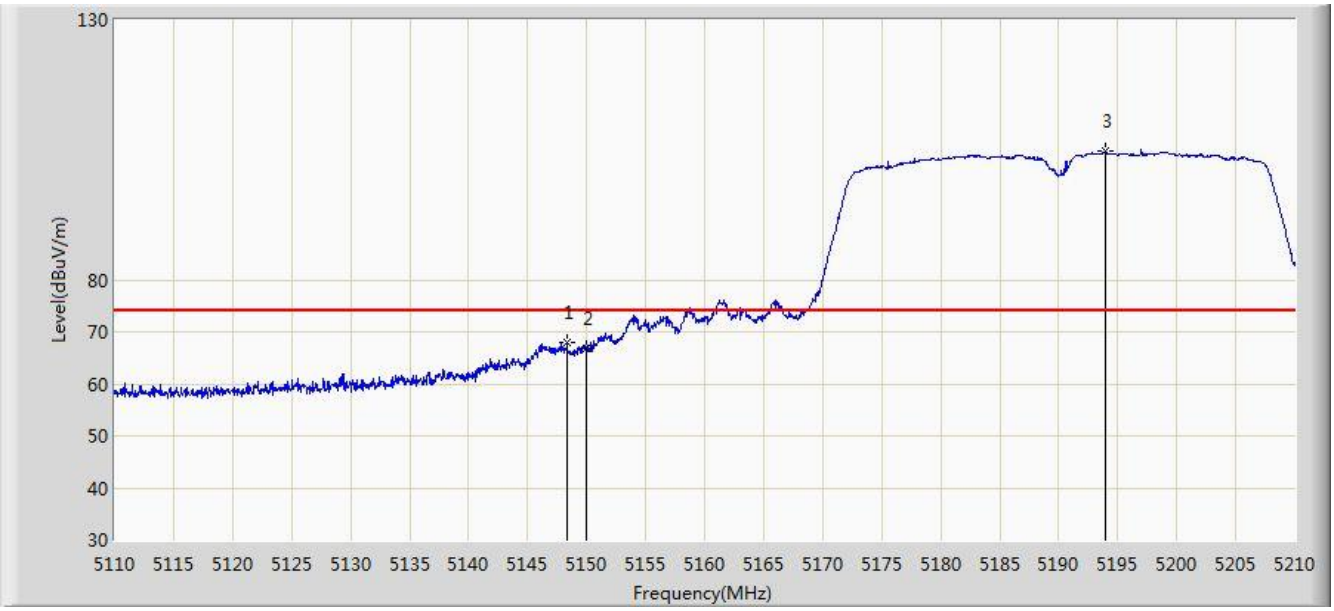


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5824.305	114.667	109.083	N/A	N/A	5.584	PK
2			5850.000	80.813	75.087	-41.387	122.200	5.726	PK
3			5855.000	74.547	68.801	-36.253	110.800	5.746	PK
4			5875.000	65.540	59.720	-39.660	105.200	5.820	PK
5			5925.000	58.690	52.724	-9.510	68.200	5.967	PK
6			5943.840	59.468	53.455	-8.732	68.200	6.012	PK
7			5953.590	60.604	54.571	-7.596	68.200	6.032	PK

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

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

Site: AC1	Time: 2017/12/10 - 15:31
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz Ant 1	

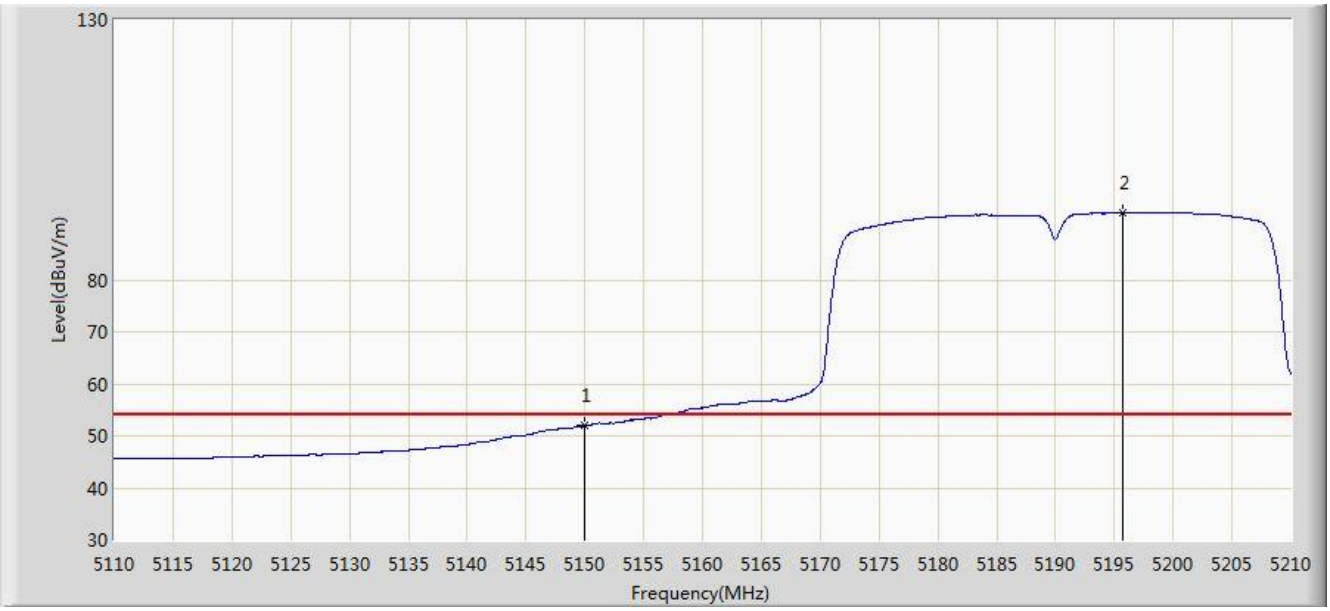


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.350	68.045	63.871	-5.955	74.000	4.174	PK
2			5150.000	66.697	62.528	-7.303	74.000	4.170	PK
3			5193.950	104.704	100.685	N/A	N/A	4.019	PK

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

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

Site: AC1	Time: 2017/12/10 - 15:31
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz Ant 1	

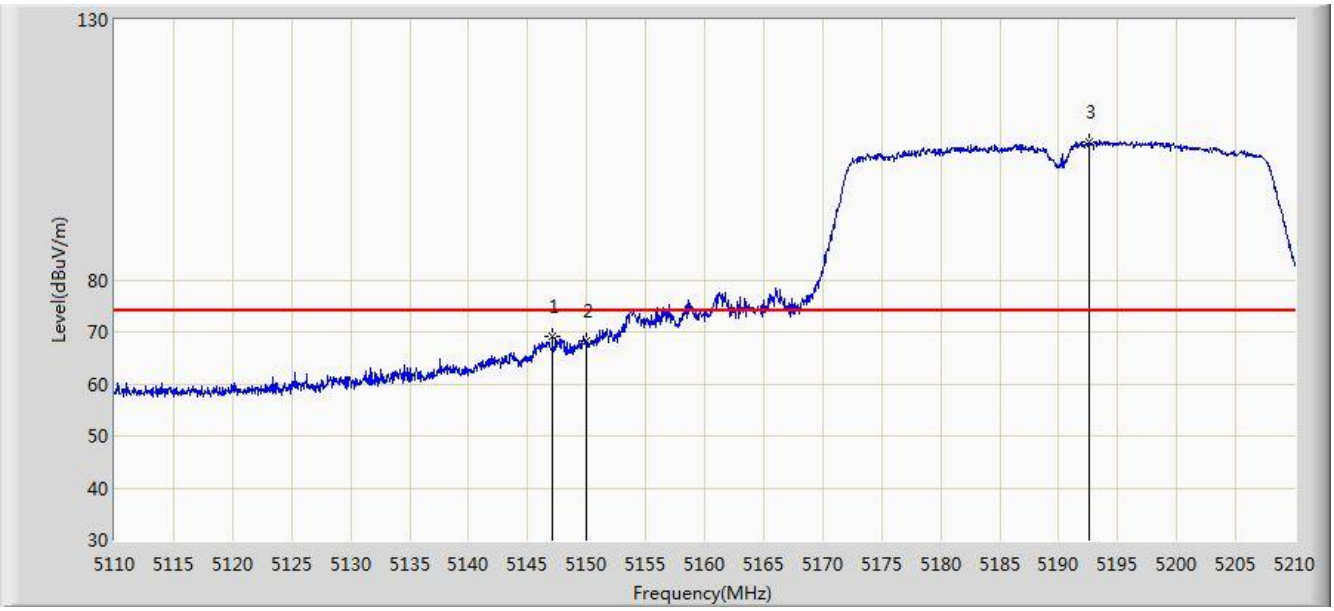


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.916	47.747	-2.084	54.000	4.170	AV
2			5195.750	92.890	88.877	N/A	N/A	4.013	AV

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

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

Site: AC1	Time: 2017/12/10 - 15:33
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz Ant 1	

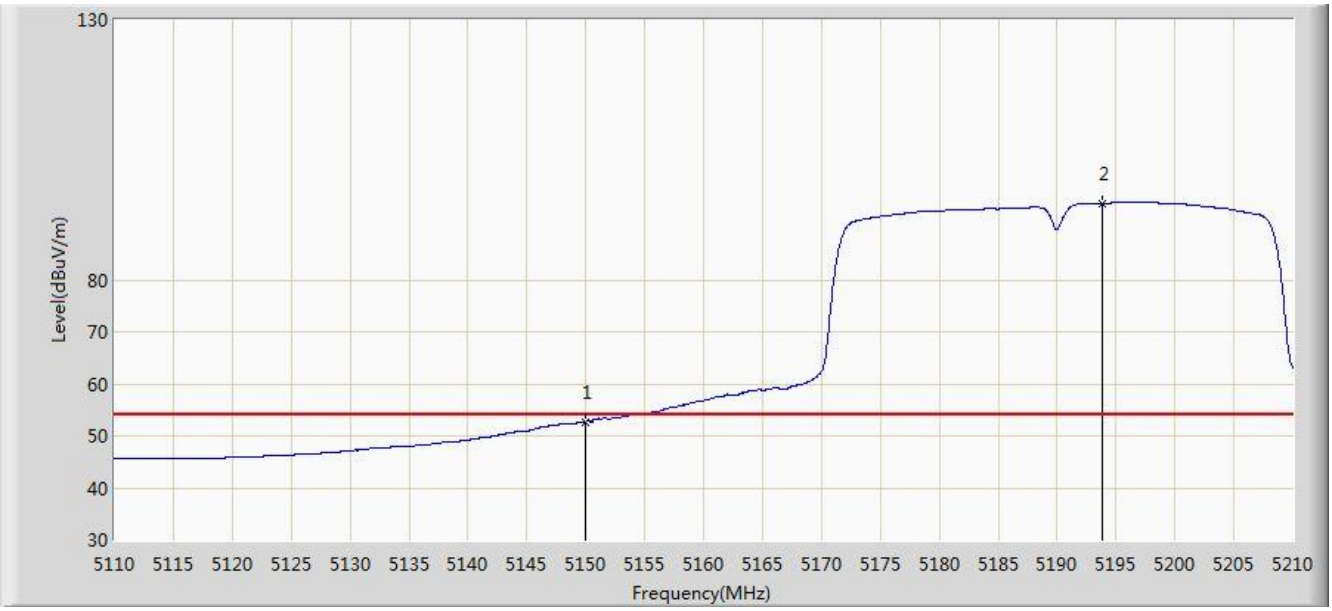


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5147.100	69.141	64.965	-4.859	74.000	4.176	PK
2			5150.000	68.371	64.202	-5.629	74.000	4.170	PK
3			5192.600	106.631	102.607	N/A	N/A	4.024	PK

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

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

Site: AC1	Time: 2017/12/10 - 15:35
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz Ant 1	

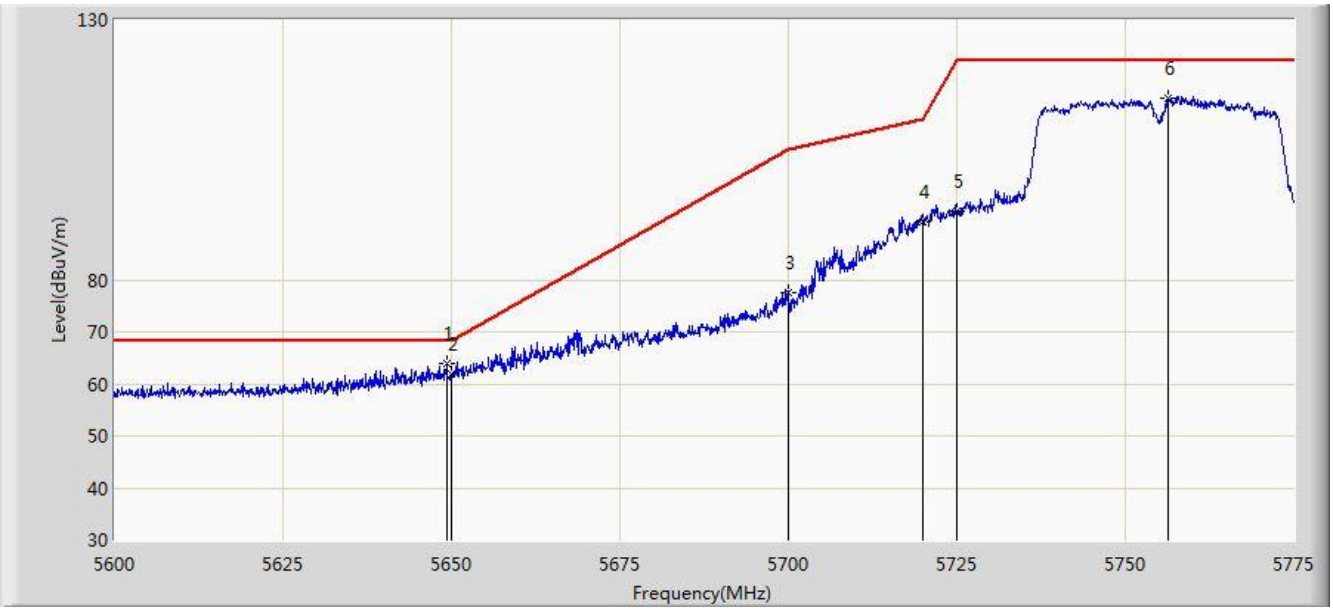


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	52.736	48.567	-1.264	54.000	4.170	AV
2			5193.800	94.770	90.750	N/A	N/A	4.020	AV

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

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

Site: AC1	Time: 2017/12/10 - 16:47
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5755MHz Ant 1	

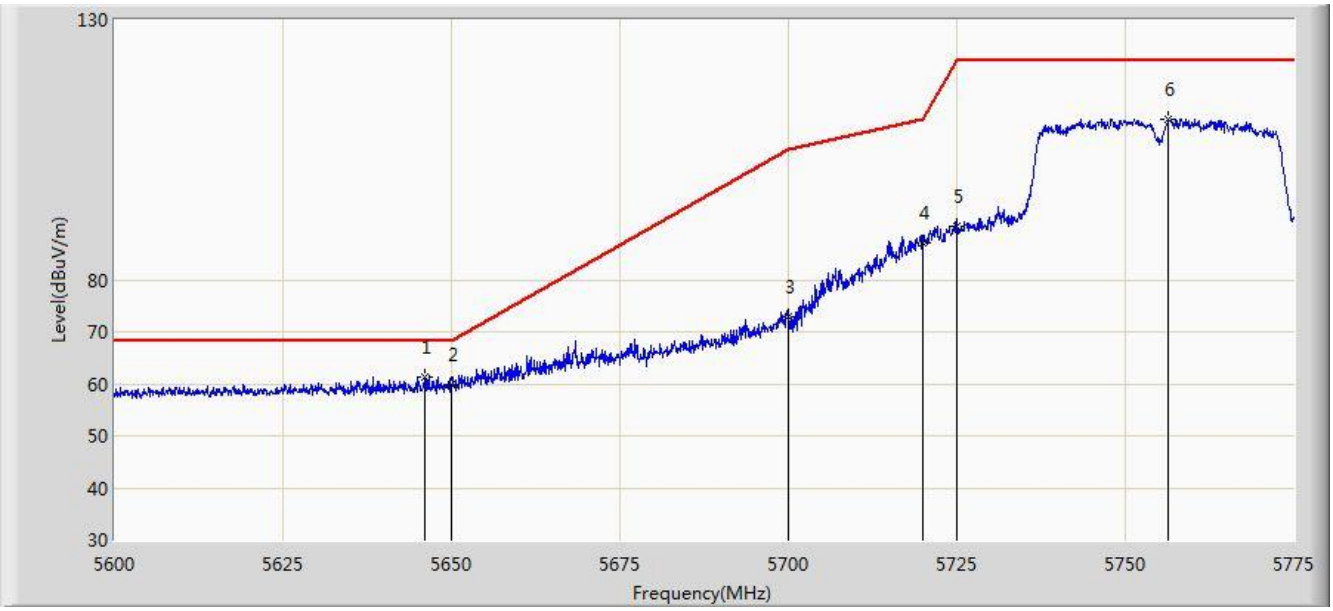


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5649.263	63.782	59.113	-4.418	68.200	4.669	PK
2			5650.000	61.875	57.204	-6.325	68.200	4.671	PK
3			5700.000	77.451	72.573	-27.749	105.200	4.878	PK
4			5720.000	91.176	86.179	-19.624	110.800	4.997	PK
5			5725.000	93.295	88.266	-28.905	122.200	5.029	PK
6			5756.362	114.954	109.735	N/A	N/A	5.219	PK

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

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

Site: AC1	Time: 2017/12/10 - 16:49
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5755MHz Ant 1	

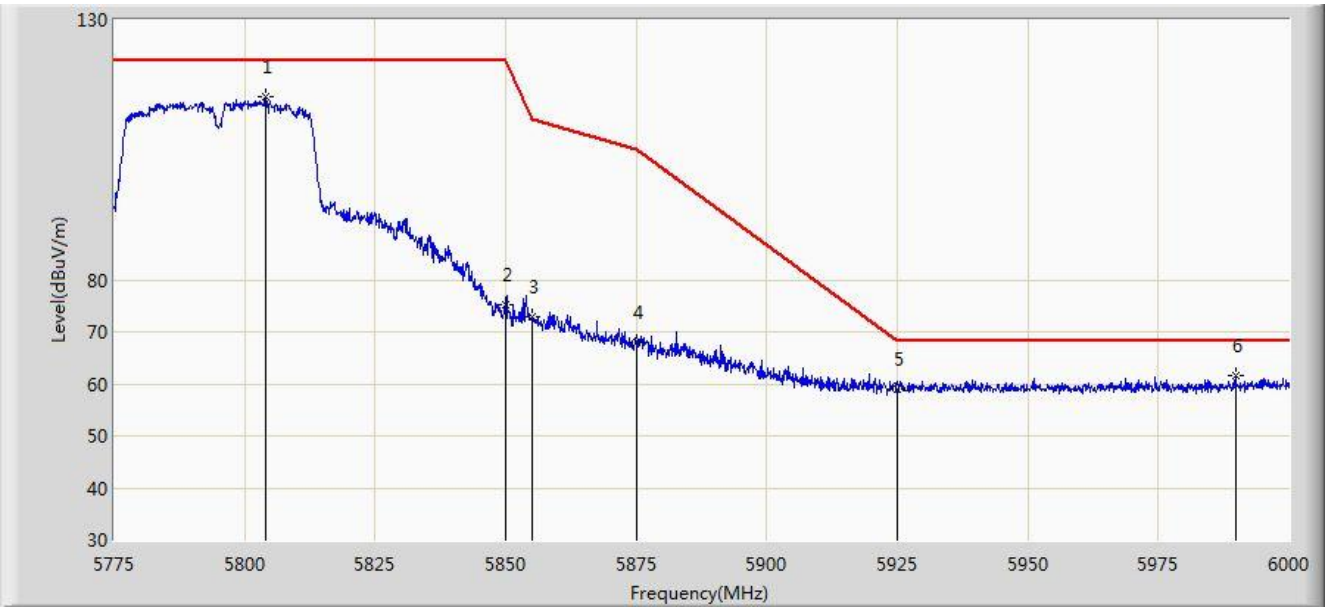


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5646.025	61.239	56.581	-6.961	68.200	4.658	PK
2			5650.000	59.752	55.081	-8.448	68.200	4.671	PK
3			5700.000	72.850	67.972	-32.350	105.200	4.878	PK
4			5720.000	87.032	82.035	-23.768	110.800	4.997	PK
5			5725.000	90.232	85.203	-31.968	122.200	5.029	PK
6			5756.362	110.944	105.725	N/A	N/A	5.219	PK

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

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

Site: AC1	Time: 2017/12/10 - 16:52
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5795MHz Ant 1	

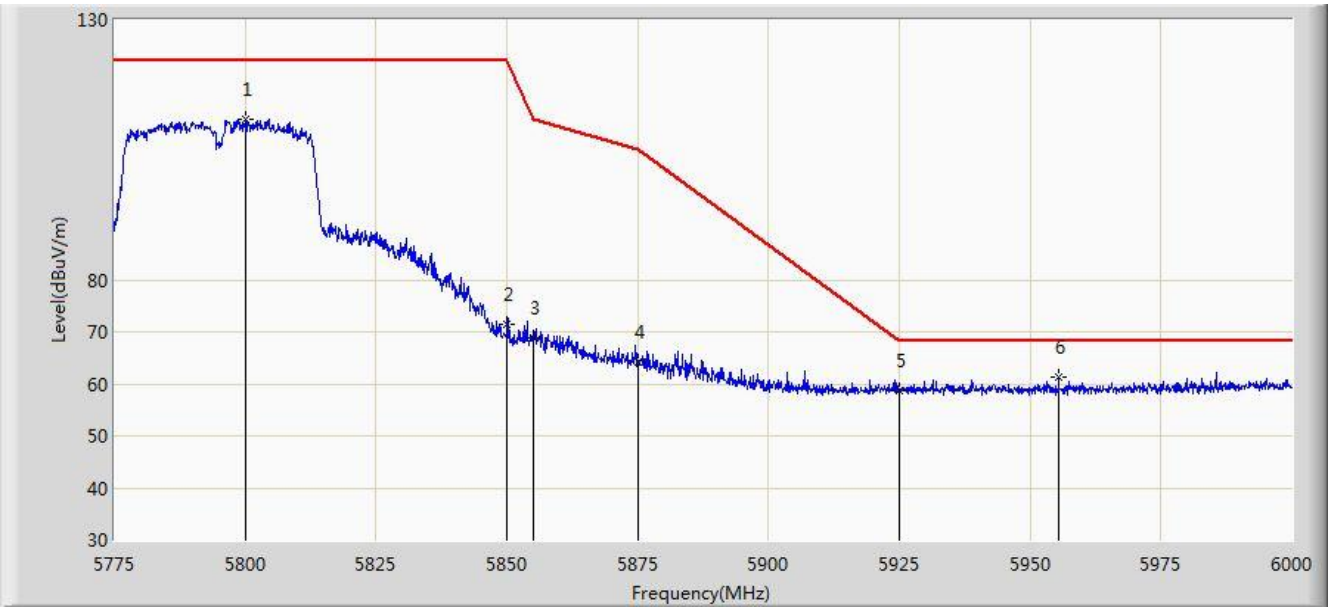


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5803.913	115.128	109.661	N/A	N/A	5.467	PK
2			5850.000	75.217	69.491	-46.983	122.200	5.726	PK
3			5855.000	72.791	67.045	-38.009	110.800	5.746	PK
4			5875.000	67.969	62.149	-37.231	105.200	5.820	PK
5			5925.000	58.871	52.905	-9.329	68.200	5.967	PK
6			5989.763	61.603	55.509	-6.597	68.200	6.093	PK

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

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

Site: AC1	Time: 2017/12/10 - 16:53
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5795MHz Ant 1	

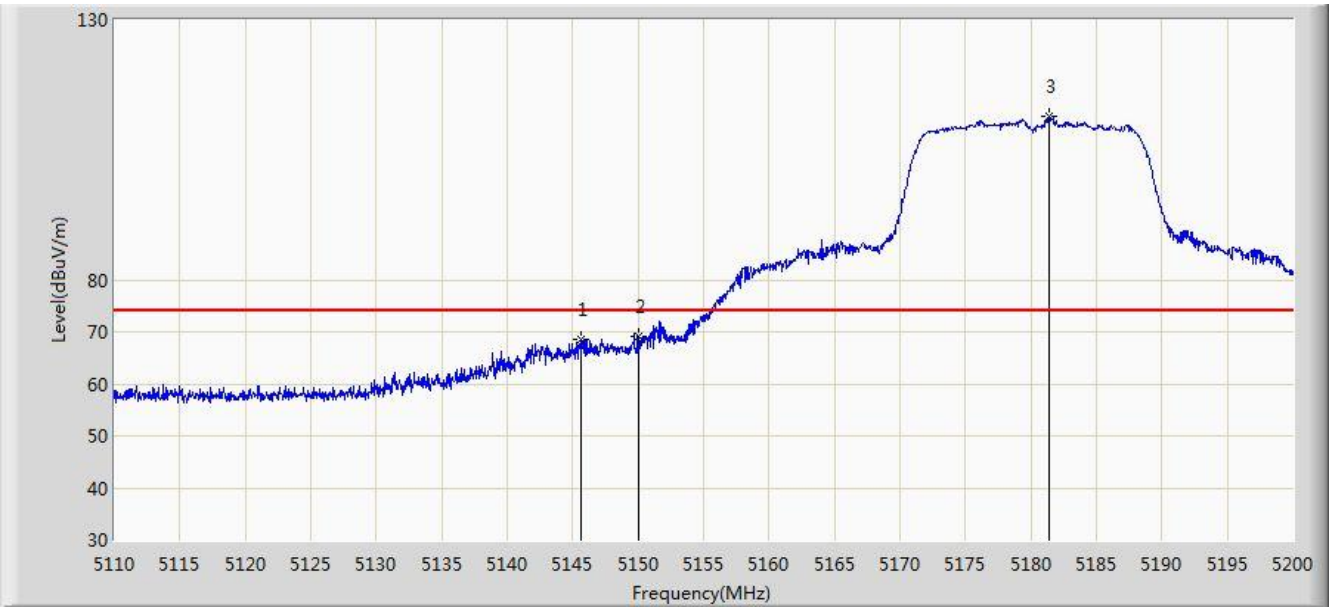


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5799.975	110.984	105.539	N/A	N/A	5.445	PK
2			5850.000	71.579	65.853	-50.621	122.200	5.726	PK
3			5855.000	68.769	63.023	-42.031	110.800	5.746	PK
4			5875.000	64.277	58.457	-40.923	105.200	5.820	PK
5			5925.000	58.827	52.861	-9.373	68.200	5.967	PK
6			5955.450	61.268	55.232	-6.932	68.200	6.037	PK

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

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

Site: AC1	Time: 2017/12/10 - 16:59
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz Ant 1	

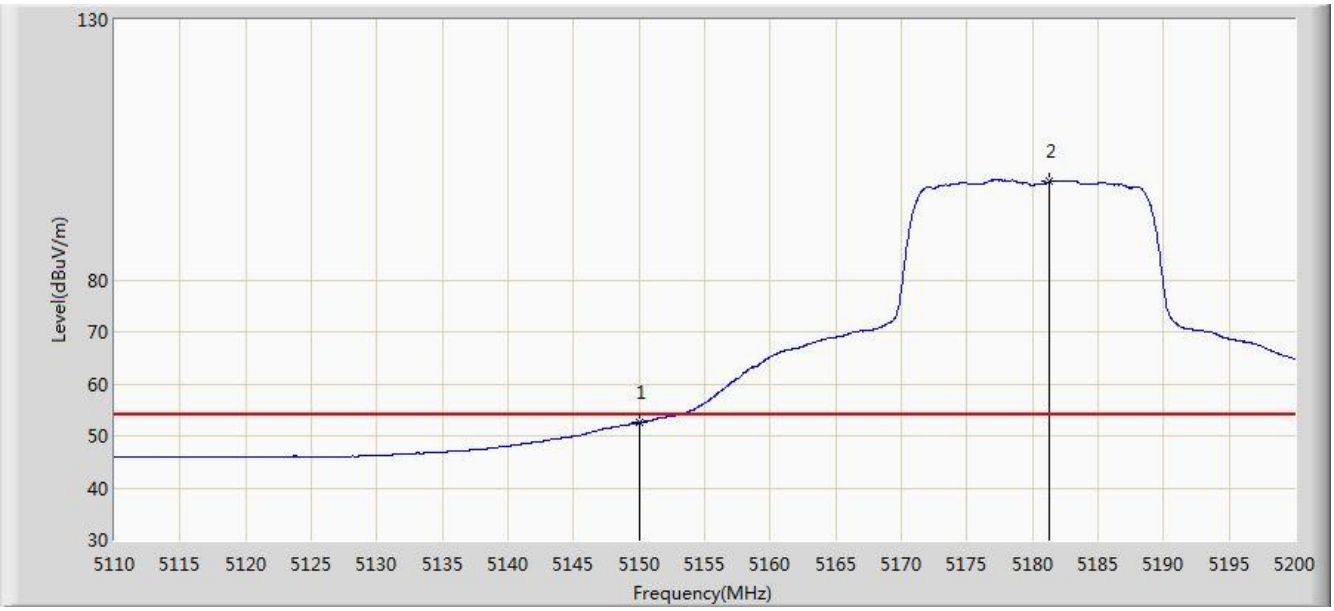


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5145.640	68.475	64.299	-5.525	74.000	4.176	PK
2			5150.000	69.168	64.999	-4.832	74.000	4.170	PK
3			5181.415	111.552	107.488	N/A	N/A	4.064	PK

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

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

Site: AC1	Time: 2017/12/10 - 16:58
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz Ant 1	

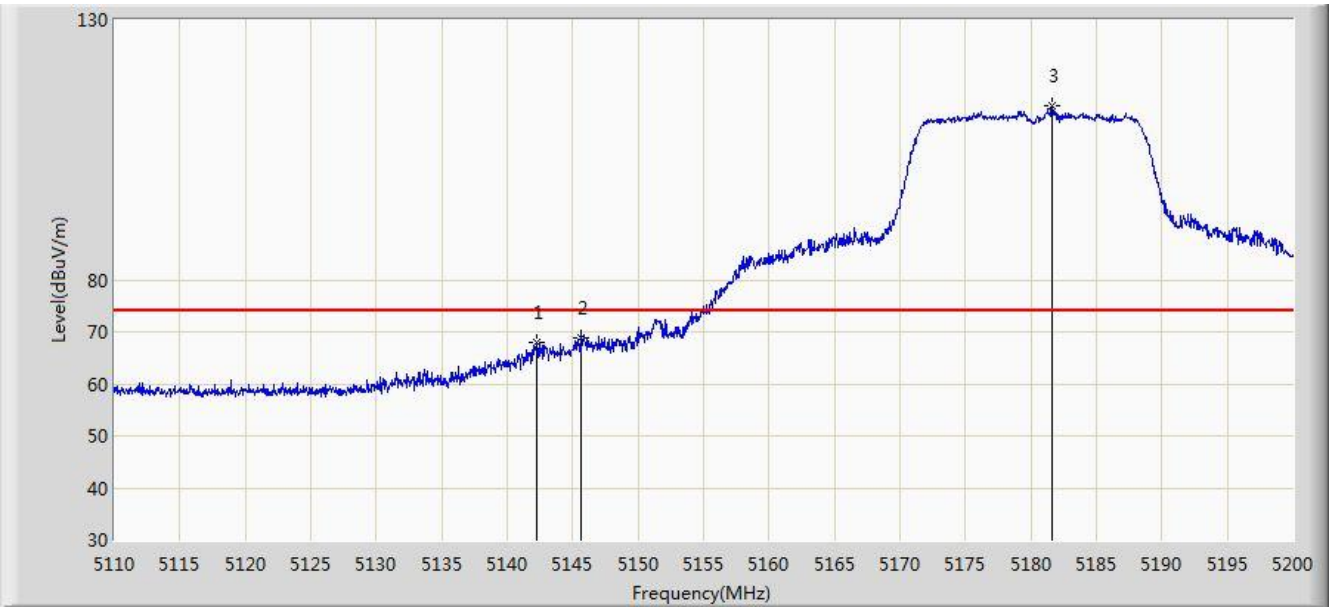


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	52.596	48.427	-1.404	54.000	4.170	AV
2			5181.235	98.855	94.791	N/A	N/A	4.065	AV

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

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

Site: AC1	Time: 2017/12/10 - 17:00
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz Ant 1	

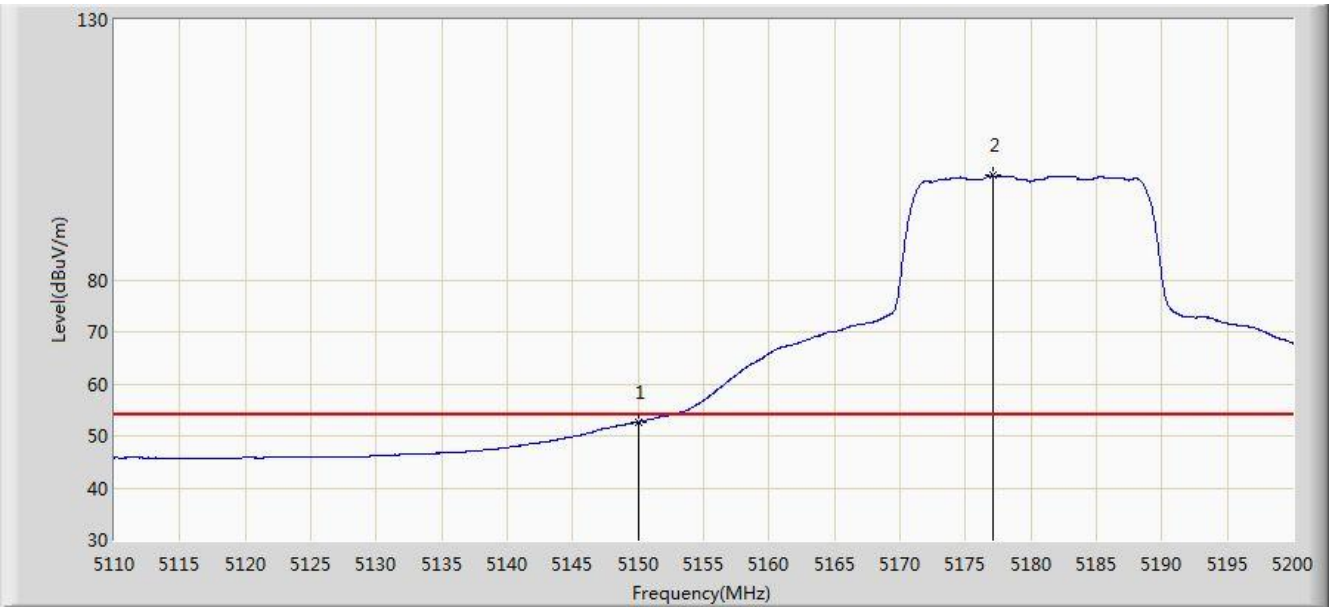


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5142.310	68.048	63.872	-5.952	74.000	4.175	PK
2			5145.640	68.929	64.753	-5.071	74.000	4.176	PK
3			5181.595	113.351	109.288	N/A	N/A	4.063	PK

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

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

Site: AC1	Time: 2017/12/10 - 17:02
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz Ant 1	

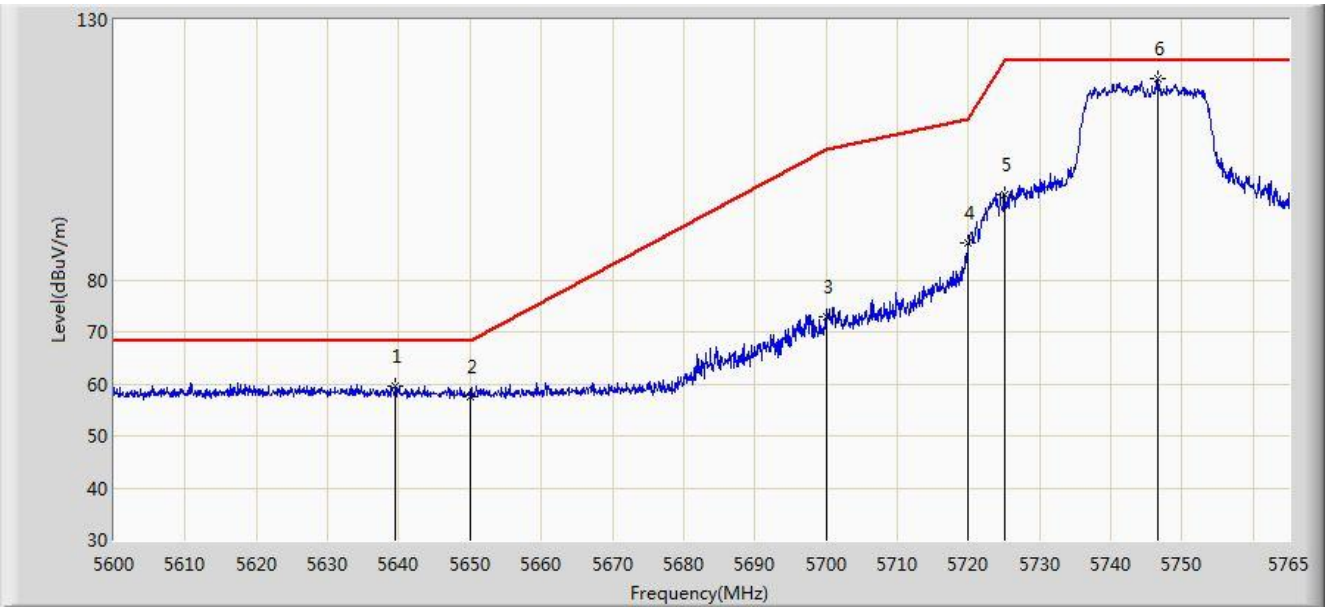


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	52.661	48.492	-1.339	54.000	4.170	AV
2			5177.095	100.038	95.959	N/A	N/A	4.080	AV

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

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

Site: AC1	Time: 2017/12/10 - 17:28
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5745MHz Ant 1	

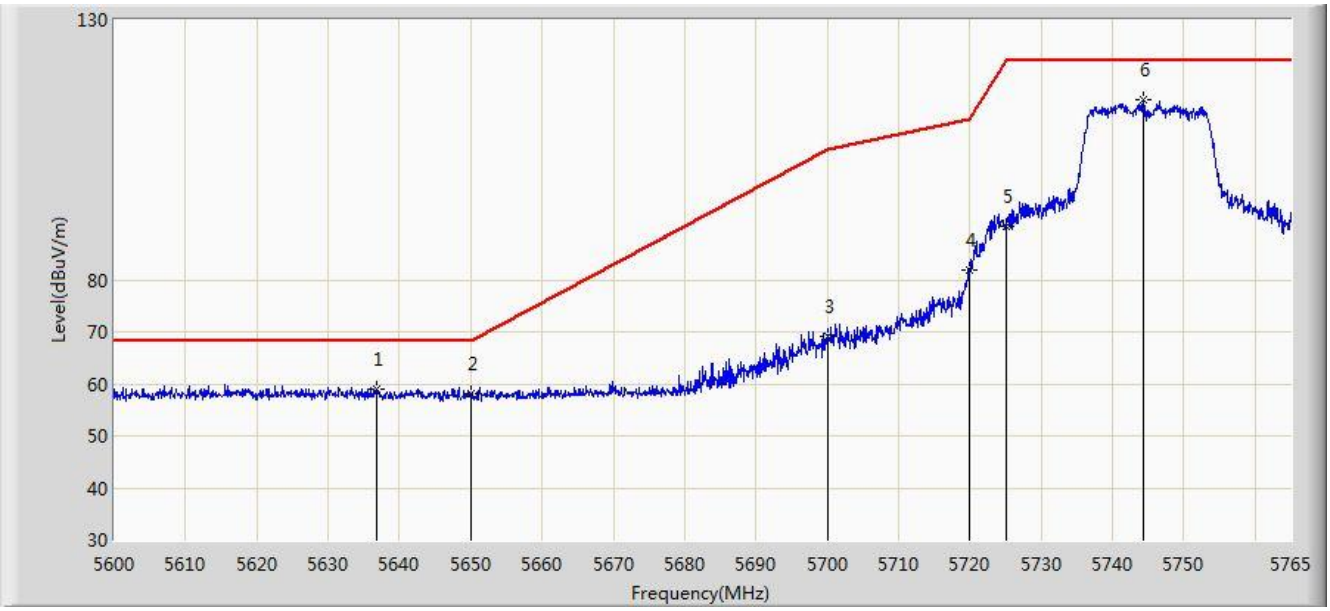


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5639.518	59.685	55.048	-8.515	68.200	4.637	PK
2			5650.000	57.417	52.746	-10.783	68.200	4.671	PK
3			5700.000	72.980	68.102	-32.220	105.200	4.878	PK
4			5720.000	87.050	82.053	-23.750	110.800	4.997	PK
5			5725.000	96.291	91.262	-25.909	122.200	5.029	PK
6			5746.603	118.740	113.576	N/A	N/A	5.165	PK

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

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

Site: AC1	Time: 2017/12/10 - 17:30
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5745MHz Ant 1	

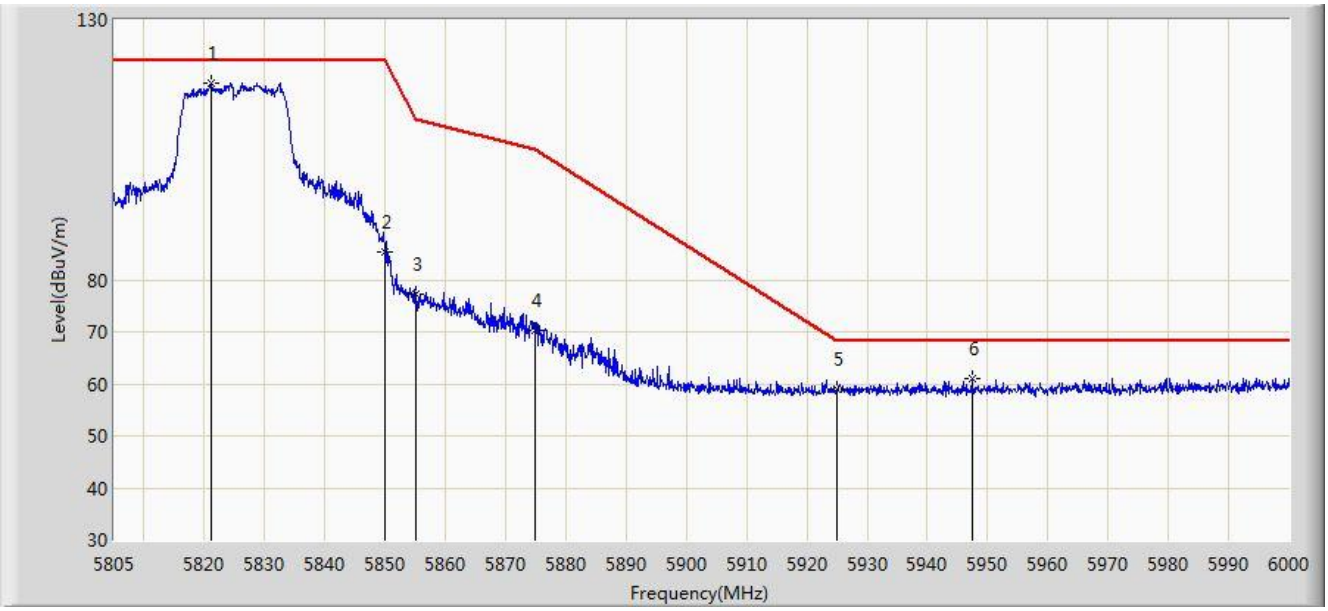


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5636.877	59.104	54.475	-9.096	68.200	4.628	PK
2			5650.000	58.174	53.503	-10.026	68.200	4.671	PK
3			5700.000	69.267	64.389	-35.933	105.200	4.878	PK
4			5720.000	81.988	76.991	-28.812	110.800	4.997	PK
5			5725.000	90.413	85.384	-31.787	122.200	5.029	PK
6			5744.292	114.495	109.344	N/A	N/A	5.151	PK

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

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

Site: AC1	Time: 2017/12/10 - 17:32
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5825MHz Ant 1	

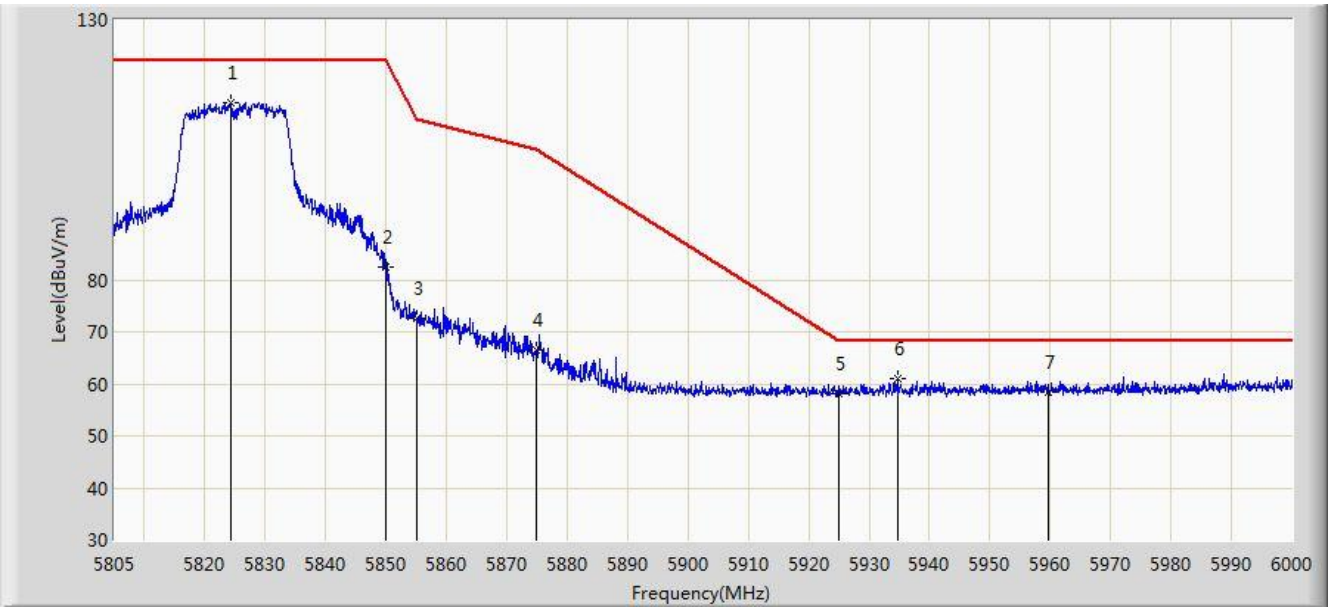


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5821.087	117.793	112.228	N/A	N/A	5.565	PK
2			5850.000	85.303	79.577	-36.897	122.200	5.726	PK
3			5855.000	77.329	71.583	-33.471	110.800	5.746	PK
4			5875.000	70.415	64.595	-34.785	105.200	5.820	PK
5			5925.000	58.958	52.992	-9.242	68.200	5.967	PK
6			5947.350	61.032	55.011	-7.168	68.200	6.021	PK

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

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

Site: AC1	Time: 2017/12/10 - 17:33
Limit: FCC_Part15.407_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5825MHz Ant 1	

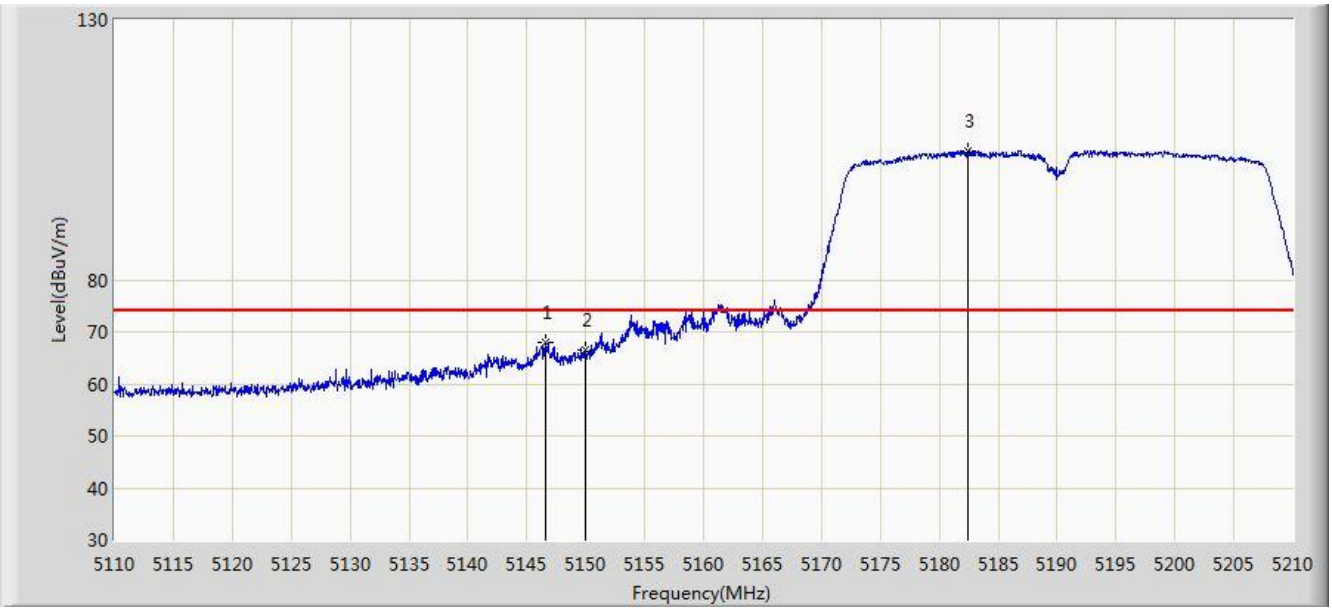


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5824.402	114.140	108.556	N/A	N/A	5.585	PK
2			5850.000	82.357	76.631	-39.843	122.200	5.726	PK
3			5855.000	72.610	66.864	-38.190	110.800	5.746	PK
4			5875.000	66.482	60.662	-38.718	105.200	5.820	PK
5			5925.000	58.217	52.251	-9.983	68.200	5.967	PK
6			5934.675	61.030	55.039	-7.170	68.200	5.991	PK
7			5959.732	58.532	52.489	-9.668	68.200	6.043	PK

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

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

Site: AC1	Time: 2017/12/10 - 17:45
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz Ant 1	

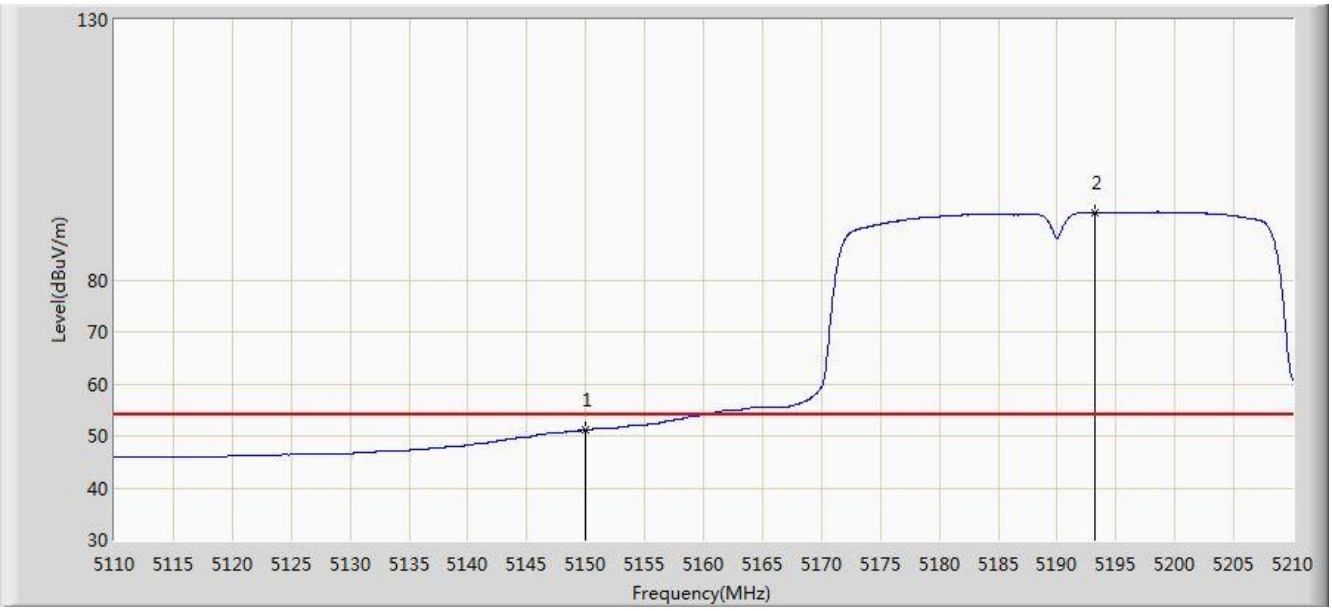


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5146.600	68.039	63.863	-5.961	74.000	4.176	PK
2			5150.000	66.396	62.227	-7.604	74.000	4.170	PK
3			5182.450	104.851	100.791	30.851	N/A	N/A	PK

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

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

Site: AC1	Time: 2017/12/10 - 17:46
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz Ant 1	

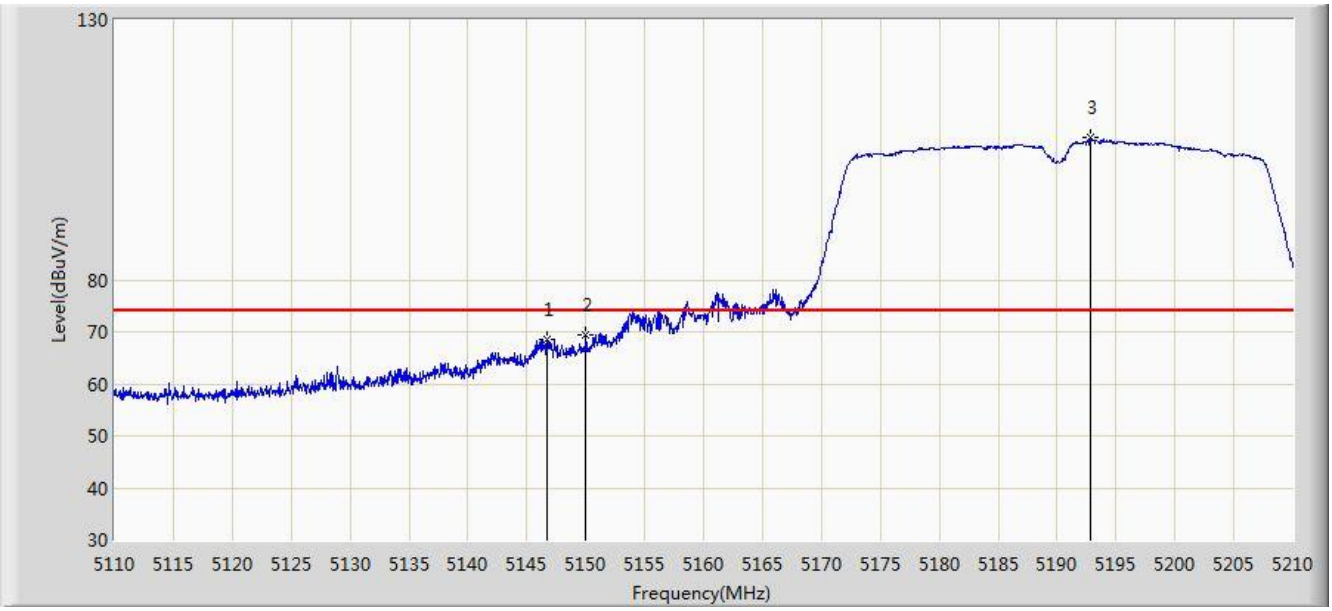


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.078	46.909	-2.922	54.000	4.170	AV
2			5193.200	92.892	88.870	N/A	N/A	4.023	AV

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

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

Site: AC1	Time: 2017/12/10 - 17:44
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz Ant 1	

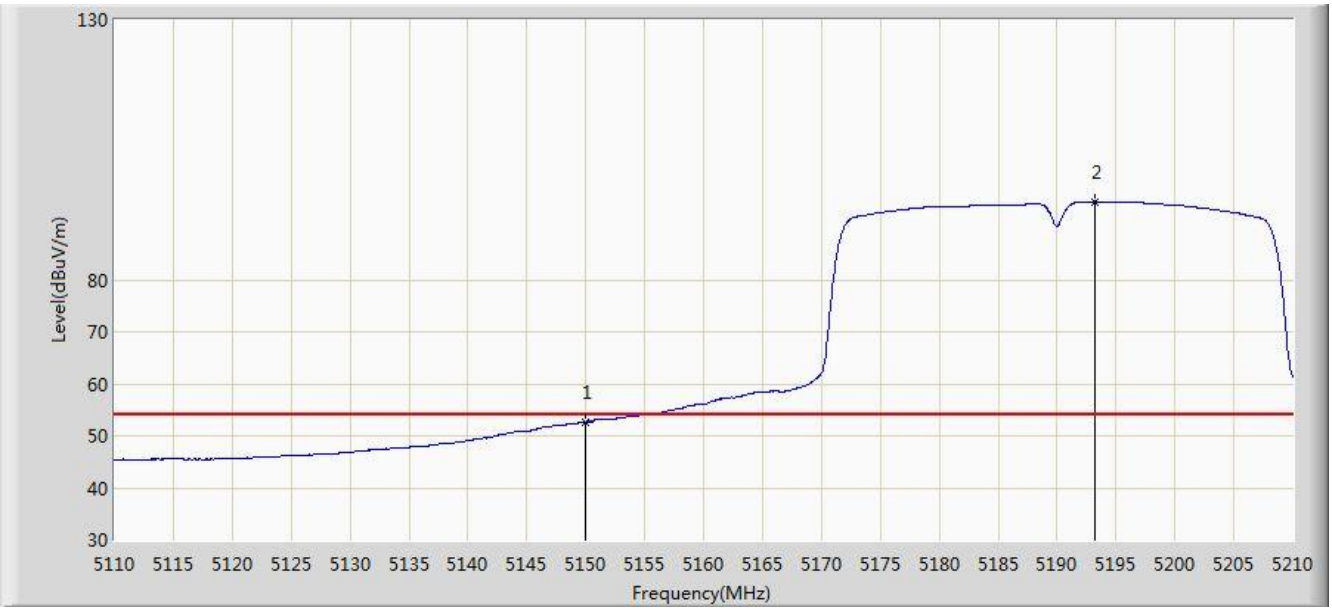


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5146.750	68.477	64.301	-5.523	74.000	4.176	PK
2			5150.000	69.303	65.134	-4.697	74.000	4.170	PK
3			5192.800	107.414	103.391	N/A	N/A	4.023	PK

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

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

Site: AC1	Time: 2017/12/10 - 17:44
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz Ant 1	

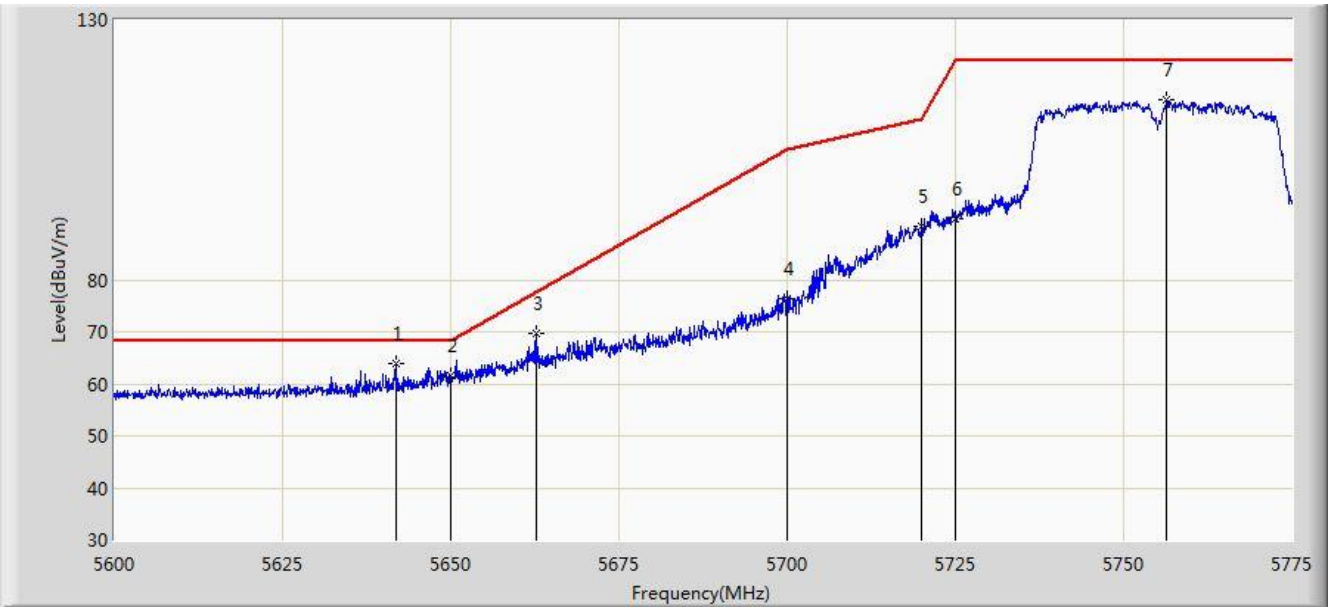


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	52.663	48.494	-1.337	54.000	4.170	AV
2			5193.200	95.063	91.041	N/A	N/A	4.023	AV

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

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

Site: AC1	Time: 2017/12/10 - 18:08
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5755MHz Ant 1	

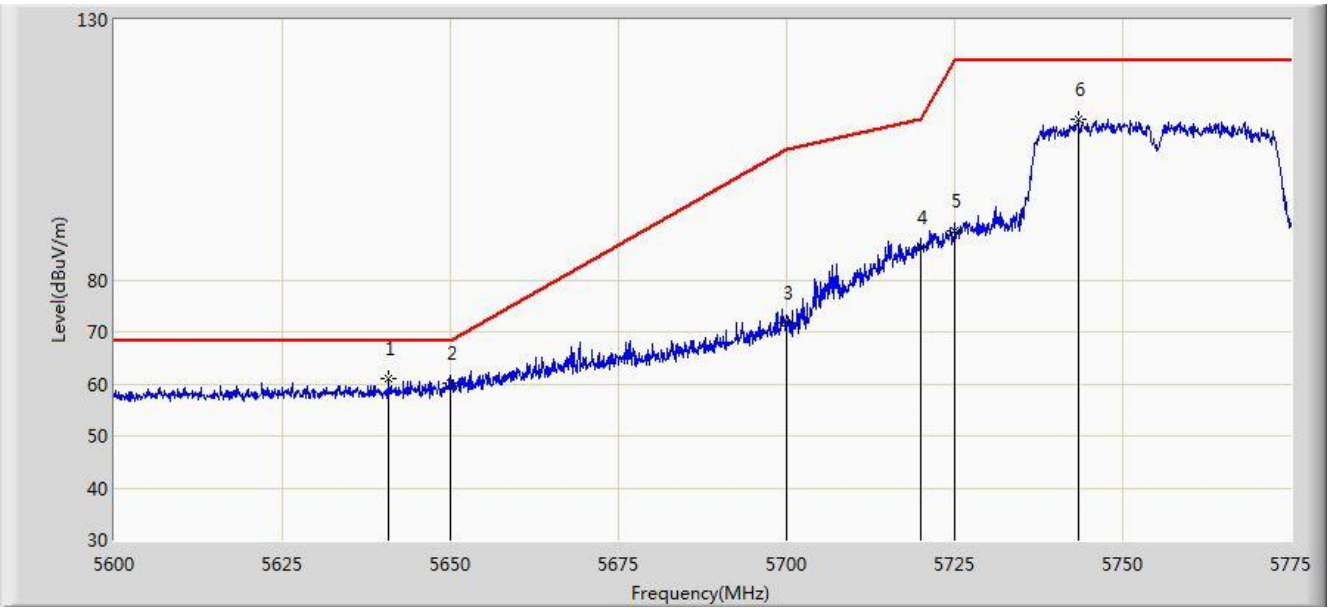


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5641.825	63.930	59.286	-4.270	68.200	4.644	PK
2			5650.000	61.494	56.823	-6.706	68.200	4.671	PK
3			5662.737	69.773	65.055	-7.884	77.656	4.718	PK
4			5700.000	76.249	71.371	-28.951	105.200	4.878	PK
5			5720.000	90.348	85.351	-20.452	110.800	4.997	PK
6			5725.000	91.697	86.668	-30.503	122.200	5.029	PK
7			5756.450	114.711	109.491	N/A	N/A	5.220	PK

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

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

Site: AC1	Time: 2017/12/10 - 18:09
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5755MHz Ant 1	

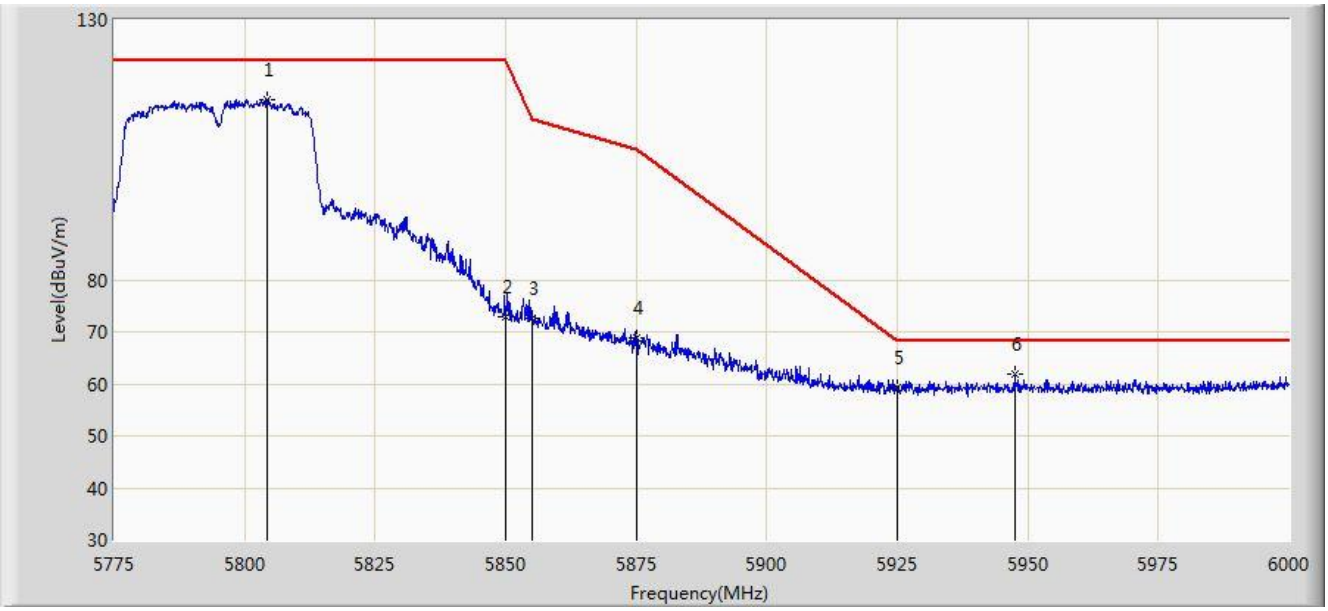


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5640.687	61.045	56.405	-7.155	68.200	4.641	PK
2			5650.000	60.060	55.389	-8.140	68.200	4.671	PK
3			5700.000	71.825	66.947	-33.375	105.200	4.878	PK
4			5720.000	86.143	81.146	-24.657	110.800	4.997	PK
5			5725.000	89.494	84.465	-32.706	122.200	5.029	PK
6			5743.413	110.913	105.767	N/A	N/A	5.145	PK

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

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

Site: AC1	Time: 2017/12/10 - 18:10
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5795MHz Ant 1	

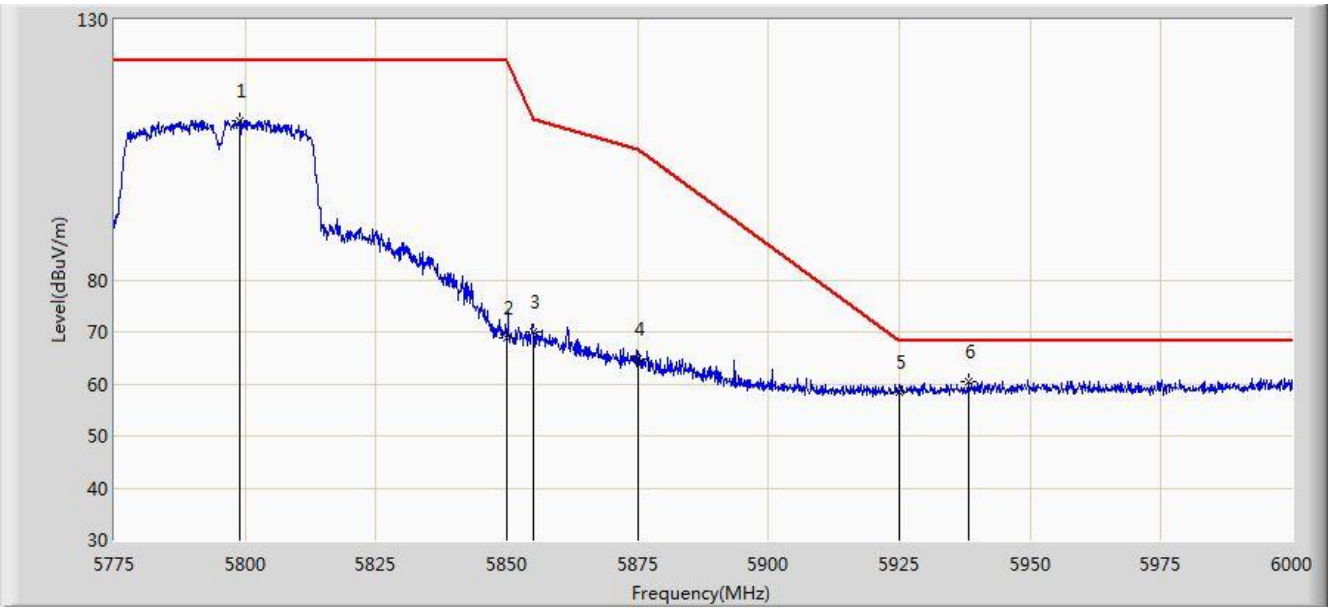


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5804.250	114.696	109.227	N/A	N/A	5.469	PK
2			5850.000	72.880	67.154	-49.320	122.200	5.726	PK
3			5855.000	72.741	66.995	-38.059	110.800	5.746	PK
4			5875.000	68.954	63.134	-36.246	105.200	5.820	PK
5			5925.000	59.384	53.418	-8.816	68.200	5.967	PK
6			5947.462	61.881	55.860	-6.319	68.200	6.021	PK

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

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

Site: AC1	Time: 2017/12/10 - 18:12
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5795MHz Ant 1	

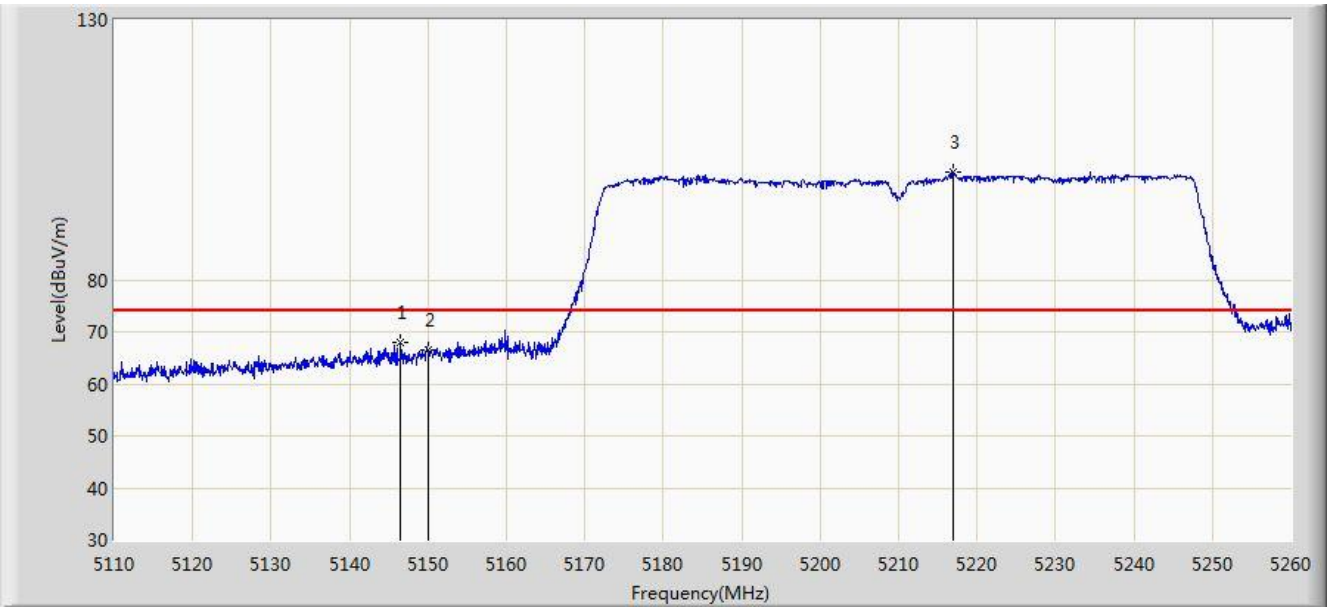


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5799.075	110.637	105.197	N/A	N/A	5.440	PK
2			5850.000	68.822	63.096	-53.378	122.200	5.726	PK
3			5855.000	69.883	64.137	-40.917	110.800	5.746	PK
4			5875.000	64.827	59.007	-40.373	105.200	5.820	PK
5			5925.000	58.440	52.474	-9.760	68.200	5.967	PK
6			5938.237	60.485	54.486	-7.715	68.200	5.998	PK

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

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

Site: AC1	Time: 2017/12/10 - 18:18
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz Ant 1	

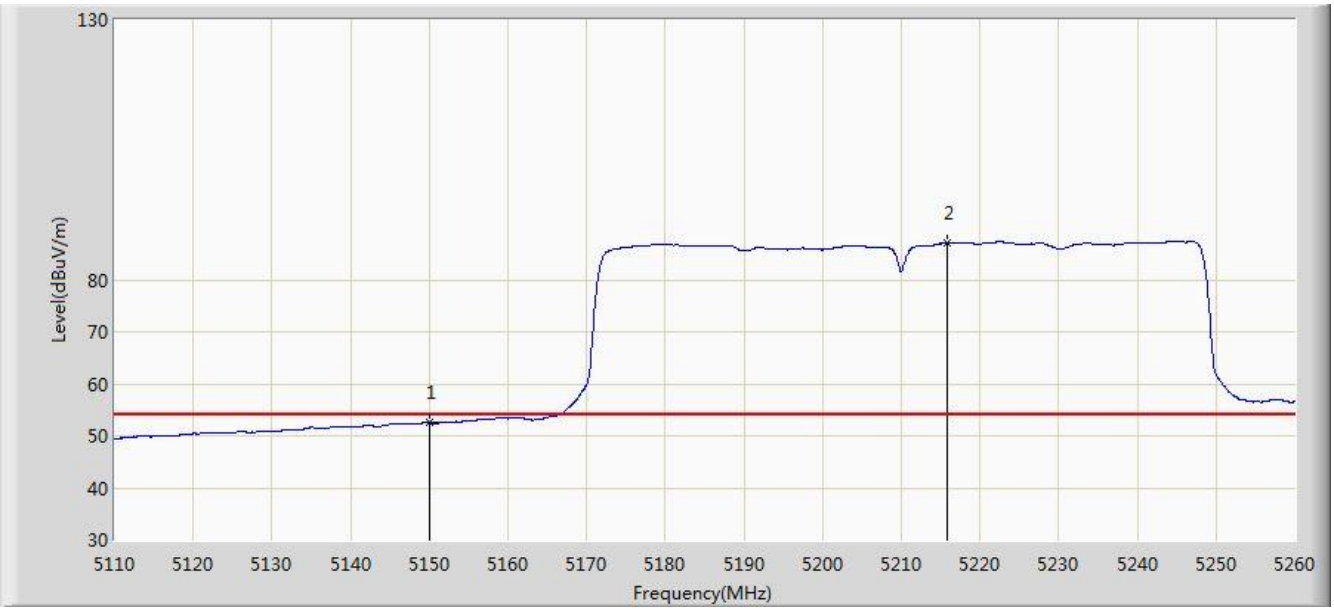


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5146.525	67.900	63.724	-6.100	74.000	4.176	PK
2			5150.000	66.517	62.348	-7.483	74.000	4.170	PK
3			5216.875	100.763	96.815	N/A	N/A	3.947	PK

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

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

Site: AC1	Time: 2017/12/10 - 18:18
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz Ant 1	

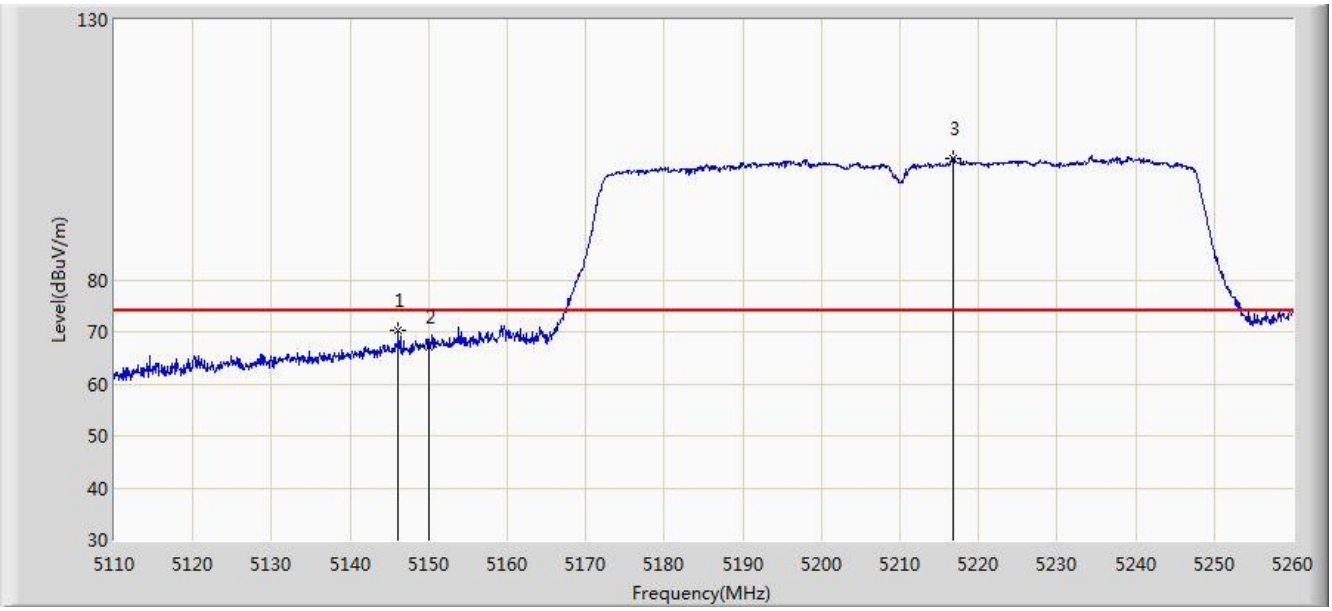


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	52.576	48.407	-1.424	54.000	4.170	AV
2			5215.825	87.115	83.164	N/A	N/A	3.952	AV

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

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

Site: AC1	Time: 2017/12/10 - 18:19
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz Ant 1	

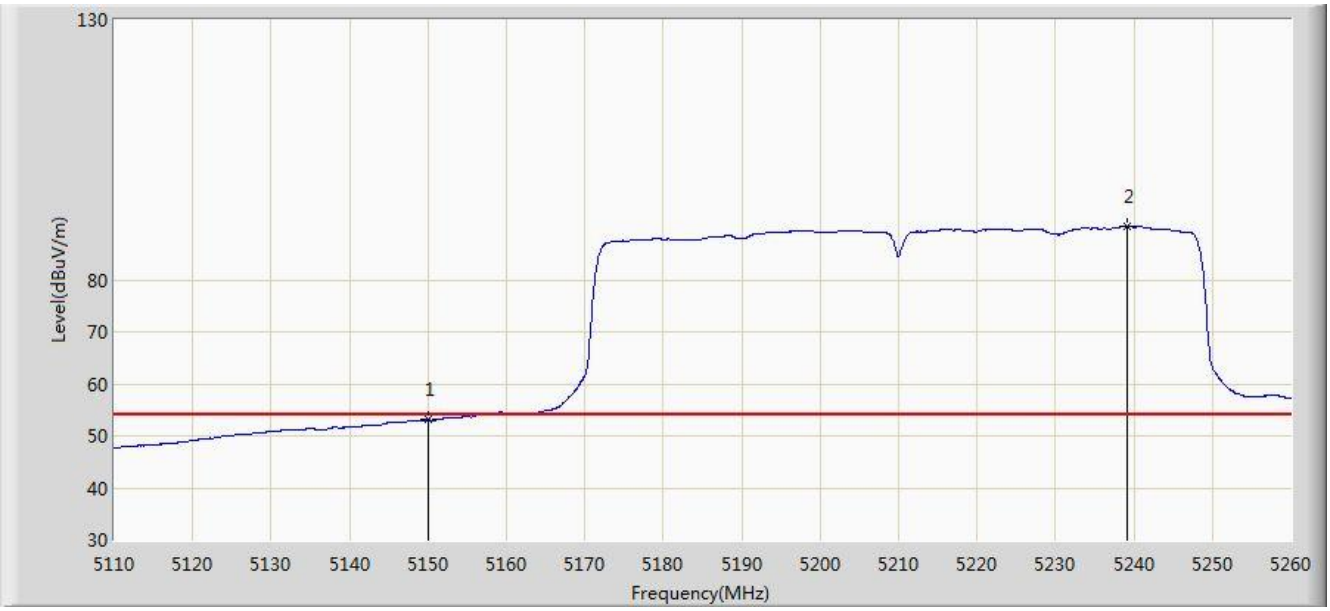


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5146.075	70.406	66.230	-3.594	74.000	4.175	PK
2			5150.000	67.061	62.892	-6.939	74.000	4.170	PK
3			5216.725	103.459	99.510	N/A	N/A	3.949	PK

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

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

Site: AC1	Time: 2017/12/10 - 18:20
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz Ant 1	

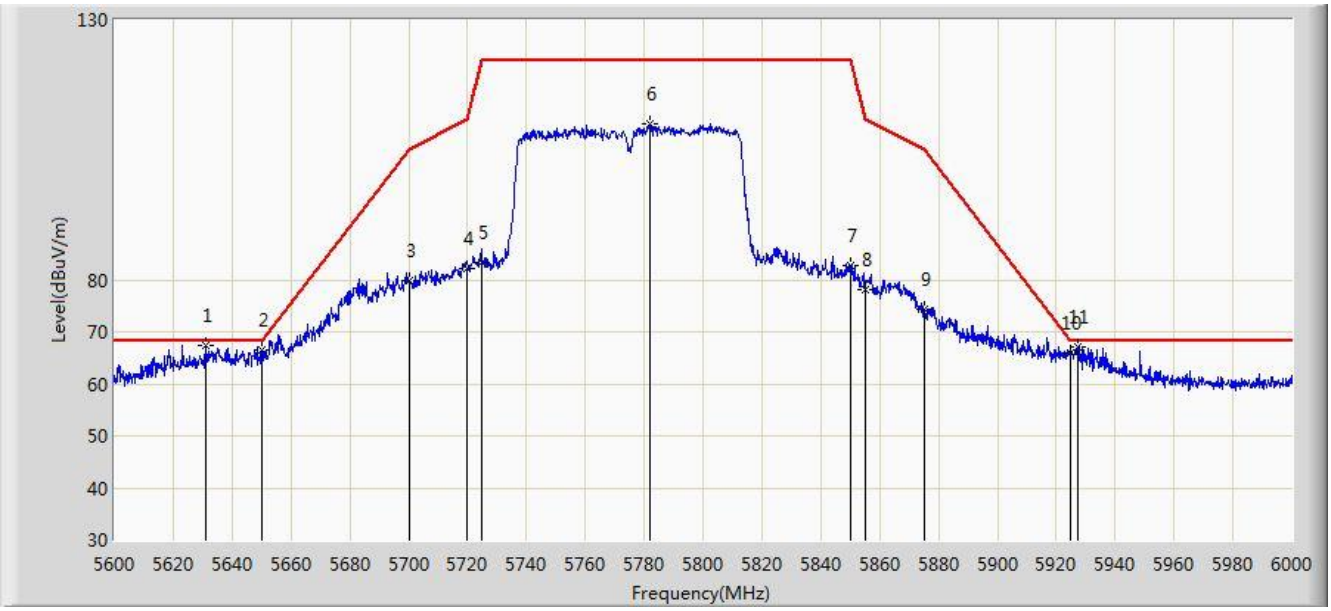


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.054	48.885	-0.946	54.000	4.170	AV
2			5239.150	90.284	86.402	N/A	N/A	3.883	AV

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

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

Site: AC1	Time: 2017/12/10 - 18:35
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5775MHz Ant 1	

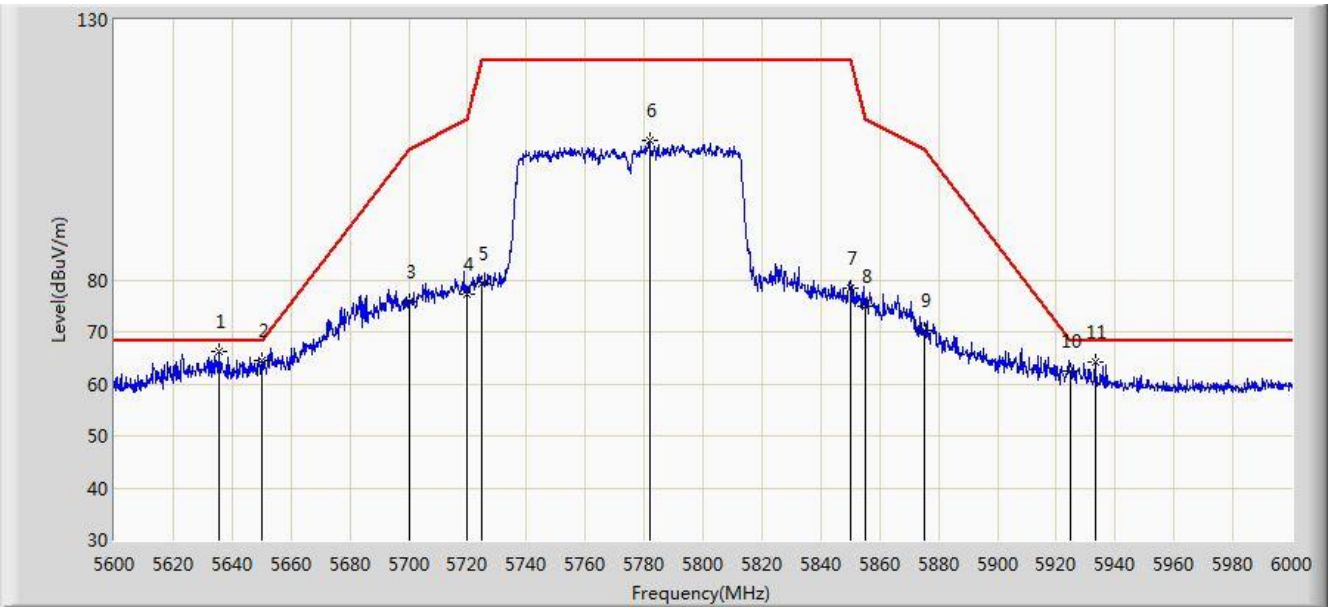


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5631.200	67.361	62.748	-0.839	68.200	4.613	PK
2			5650.000	66.468	61.797	-1.732	68.200	4.671	PK
3			5700.000	79.968	75.090	-25.232	105.200	4.878	PK
4			5720.000	82.029	77.032	-28.771	110.800	4.997	PK
5			5725.000	83.272	78.243	-38.928	122.200	5.029	PK
6			5781.800	110.127	104.776	N/A	N/A	5.350	PK
7			5850.000	82.638	76.912	-39.562	122.200	5.726	PK
8			5855.000	78.148	72.402	-32.652	110.800	5.746	PK
9			5875.000	74.219	68.399	-30.981	105.200	5.820	PK
10			5925.000	65.882	59.916	-2.318	68.200	5.967	PK
11			5927.200	67.186	61.214	-1.014	68.200	5.973	PK

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

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

Site: AC1	Time: 2017/12/10 - 18:37
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5775MHz Ant 1	

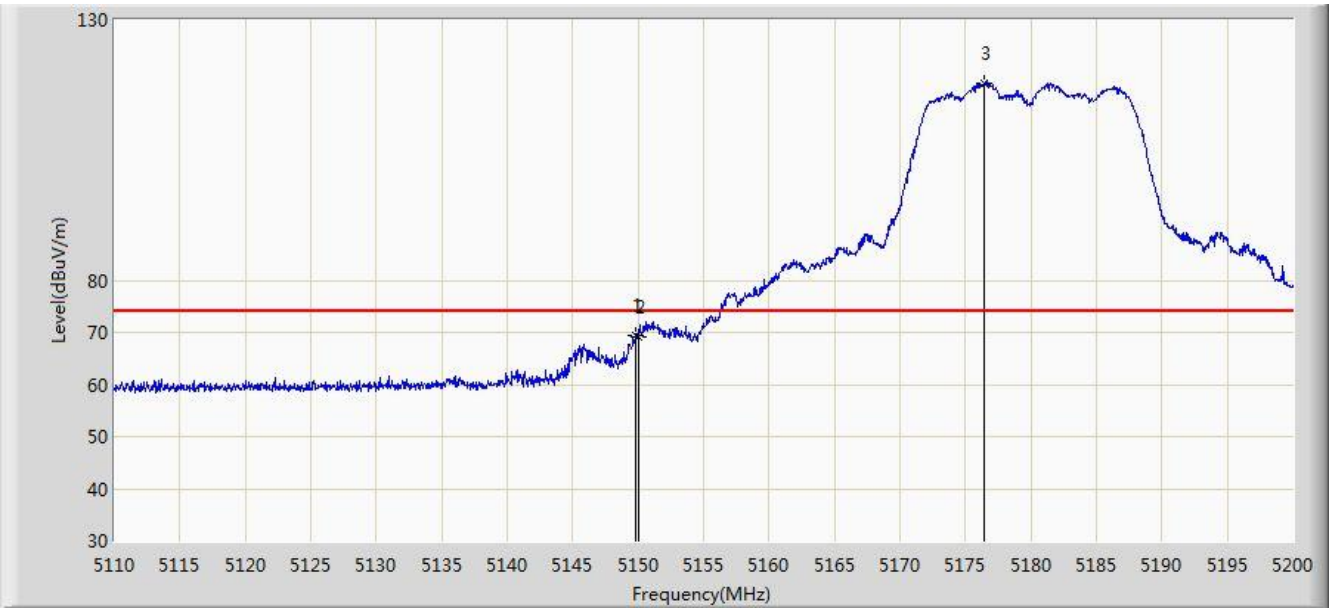


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5635.600	66.168	61.543	-2.032	68.200	4.625	PK
2			5650.000	64.432	59.761	-3.768	68.200	4.671	PK
3			5700.000	75.857	70.979	-29.343	105.200	4.878	PK
4			5720.000	77.122	72.125	-33.678	110.800	4.997	PK
5			5725.000	79.303	74.274	-42.897	122.200	5.029	PK
6			5781.800	106.926	101.575	N/A	N/A	5.350	PK
7			5850.000	78.424	72.698	-43.776	122.200	5.726	PK
8			5855.000	74.892	69.146	-35.908	110.800	5.746	PK
9			5875.000	70.345	64.525	-34.855	105.200	5.820	PK
10			5925.000	62.566	56.600	-5.634	68.200	5.967	PK
11			5933.200	64.106	58.119	-4.094	68.200	5.987	PK

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

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

Site: AC1	Time: 2017/12/11 - 16:16
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5180MHz Ant 0 + 1 (CDD Mode)	

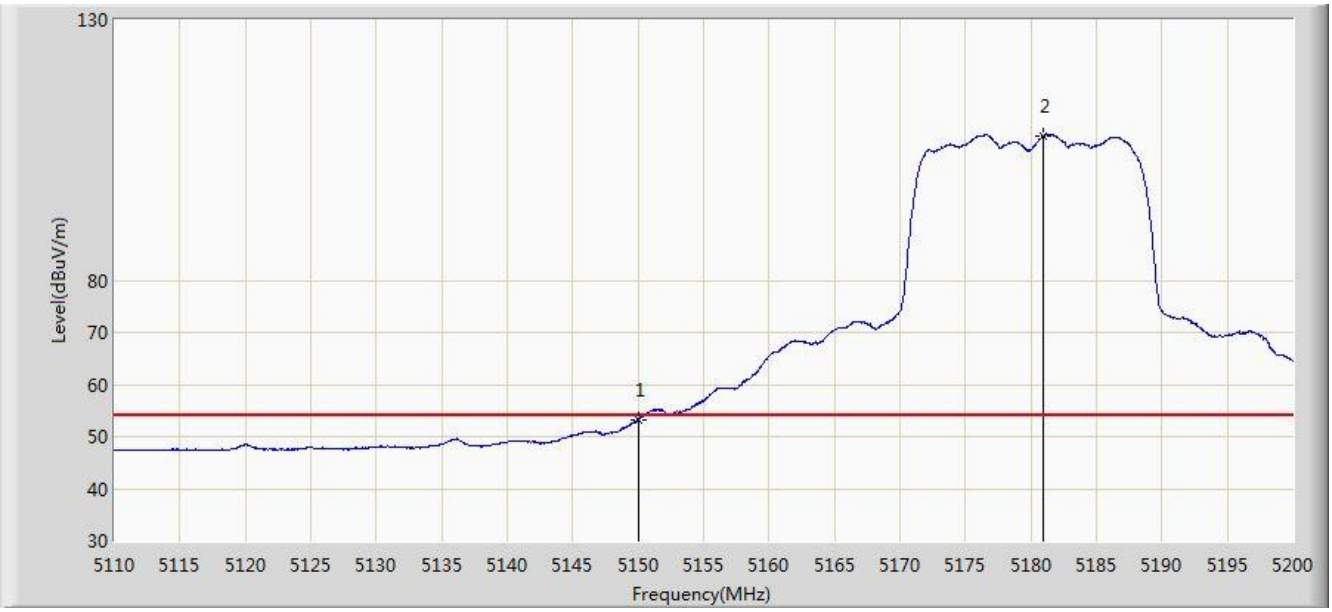


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.825	69.383	65.213	-4.617	74.000	4.170	PK
2			5150.000	69.254	65.085	-4.746	74.000	4.170	PK
3			5176.465	117.927	113.846	N/A	N/A	4.081	PK

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

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

Site: AC1	Time: 2017/12/11 - 16:11
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5180MHz Ant 0 + 1 (CDD Mode)	

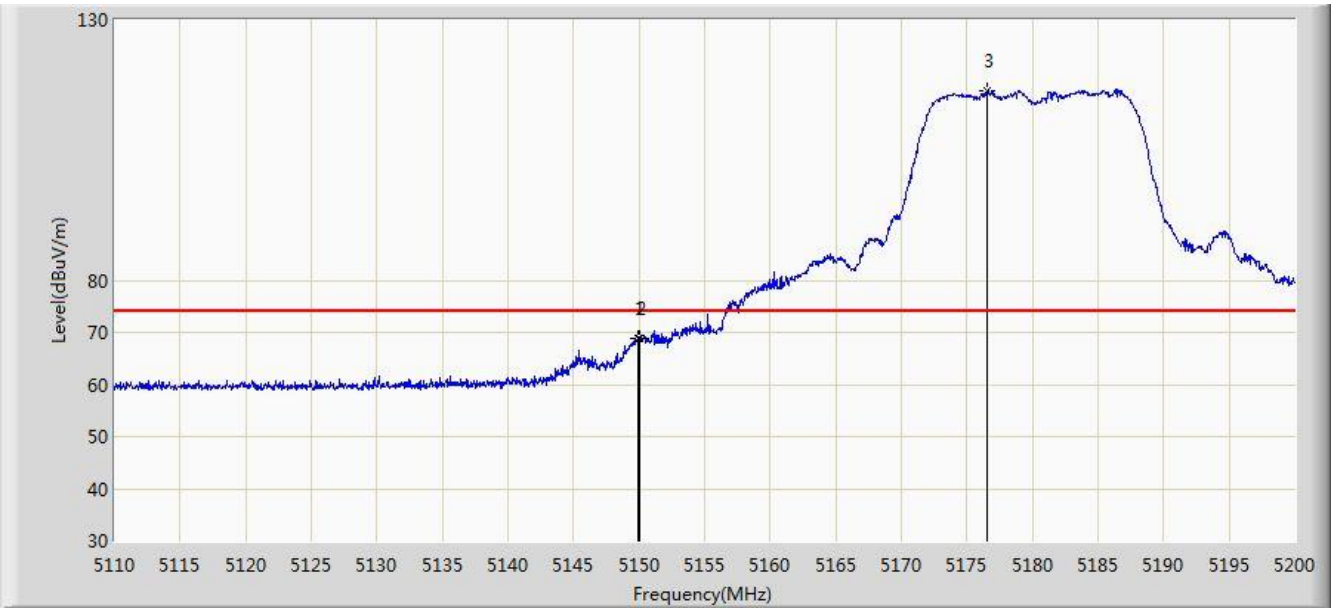


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.316	49.147	-0.684	54.000	4.170	AV
2			5180.965	107.808	103.743	N/A	N/A	4.066	AV

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

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

Site: AC1	Time: 2017/12/11 - 16:18
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5180MHz Ant 0 + 1 (CDD Mode)	

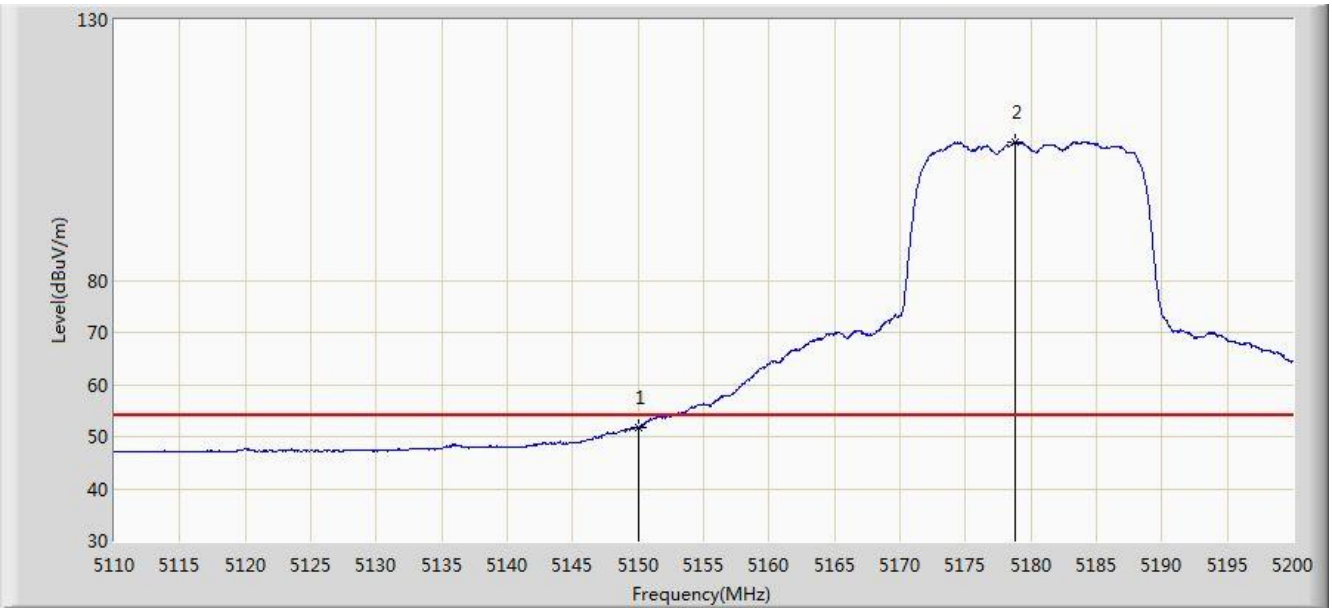


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.870	68.879	64.709	-5.121	74.000	4.170	PK
2			5150.000	68.906	64.737	-5.094	74.000	4.170	PK
3			5176.555	116.512	112.431	N/A	N/A	4.081	PK

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

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

Site: AC1	Time: 2017/12/11 - 16:21
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5180MHz Ant 0 + 1 (CDD Mode)	

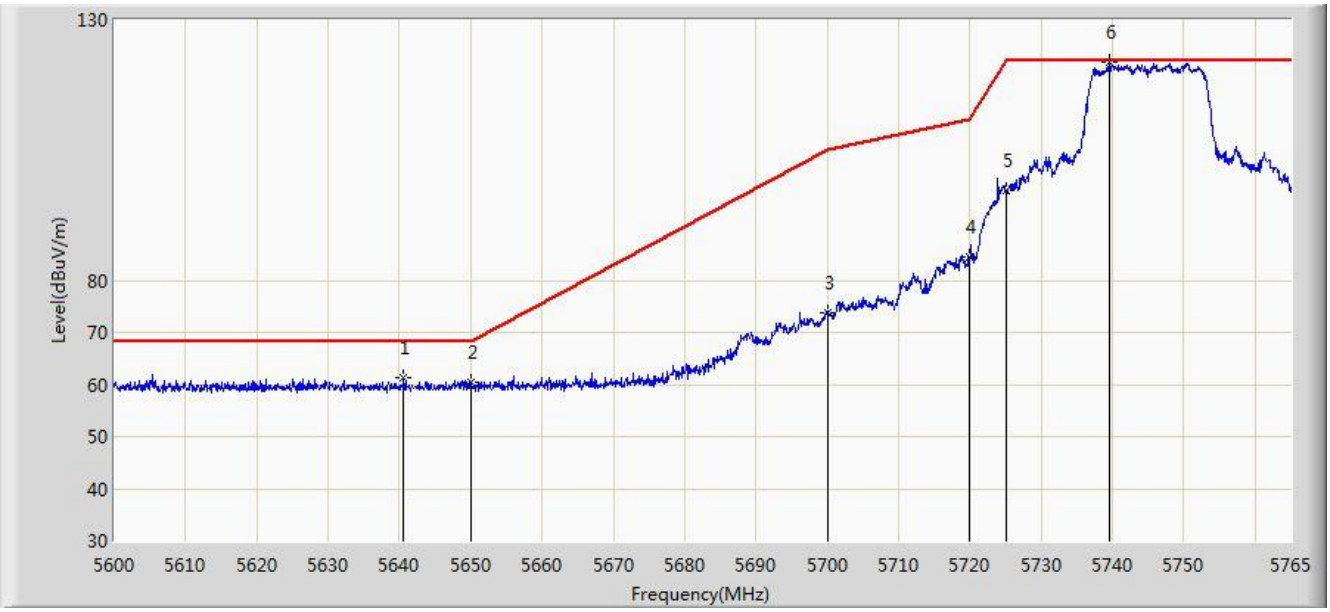


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.747	47.578	-2.253	54.000	4.170	AV
2			5178.805	106.567	102.494	N/A	N/A	4.073	AV

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

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

Site: AC1	Time: 2017/12/11 - 17:01
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5745MHz Ant 0 + 1 (CDD Mode)	

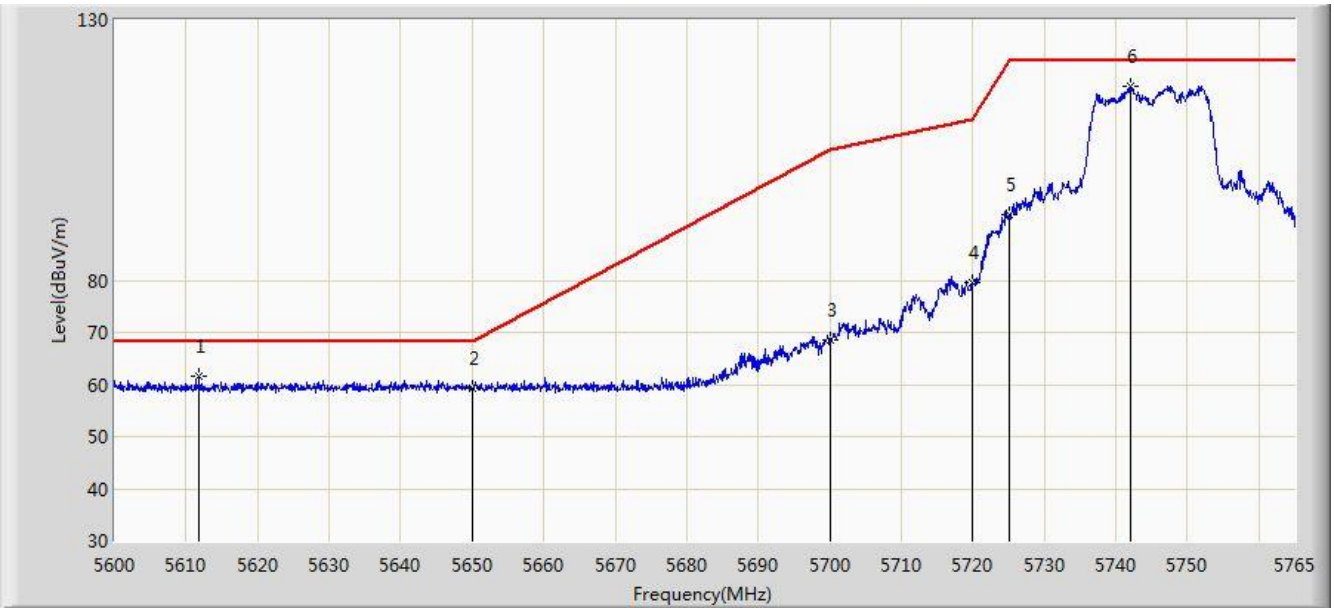


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5640.590	61.249	56.609	-6.951	68.200	4.640	PK
2			5650.000	60.310	55.639	-7.890	68.200	4.671	PK
3			5700.000	73.714	68.836	-31.486	105.200	4.878	PK
4			5720.000	84.505	79.508	-26.295	110.800	4.997	PK
5			5725.000	97.302	92.273	-24.898	122.200	5.029	PK
6			5739.507	121.823	116.702	N/A	N/A	5.122	PK

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

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

Site: AC1	Time: 2017/12/11 - 17:03
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5745MHz Ant 0 + 1 (CDD Mode)	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5611.797	61.506	56.949	-6.694	68.200	4.557	PK
2			5650.000	59.416	54.745	-8.784	68.200	4.671	PK
3			5700.000	68.494	63.616	-36.706	105.200	4.878	PK
4			5720.000	79.530	74.533	-31.270	110.800	4.997	PK
5			5725.000	92.485	87.456	-29.715	122.200	5.029	PK
6			5741.982	117.199	112.062	N/A	N/A	5.137	PK

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

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