

Product	FastMile 4G Gateway	Temperature	25°C
Test Engineer	Cloud Guo	Relative Humidity	52%
Test Site	AC2	Test Date	2019/12/03
Test Mode:	802.11n-HT40 - Ant 8 + 9	Test Channel:	54
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7536.5	35.6	11.8	47.4	74.0	-26.6	Peak	Horizontal
	8310.0	36.1	12.2	48.3	74.0	-25.7	Peak	Horizontal
*	8811.5	36.1	14.3	50.4	68.2	-17.8	Peak	Horizontal
*	9942.0	35.5	16.9	52.4	68.2	-15.8	Peak	Horizontal
	7434.5	36.4	11.9	48.3	74.0	-25.7	Peak	Vertical
	8182.5	36.0	12.4	48.4	74.0	-25.6	Peak	Vertical
*	8862.5	35.1	14.4	49.5	68.2	-18.7	Peak	Vertical
*	10010.0	35.9	16.8	52.7	68.2	-15.5	Peak	Vertical

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

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

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

Product	FastMile 4G Gateway	Temperature	25°C
Test Engineer	Cloud Guo	Relative Humidity	52%
Test Site	AC2	Test Date	2019/12/03
Test Mode:	802.11n-HT40 - Ant 8 + 9	Test Channel:	62
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7511.0	35.7	11.9	47.6	74.0	-26.4	Peak	Horizontal
	8267.5	37.2	12.3	49.5	74.0	-24.5	Peak	Horizontal
*	9797.5	36.8	16.8	53.6	68.2	-14.6	Peak	Horizontal
*	10307.5	35.7	17.3	53.0	68.2	-15.2	Peak	Horizontal
	7511.0	37.7	11.9	49.6	74.0	-24.4	Peak	Vertical
	8165.5	36.5	12.4	48.9	74.0	-25.1	Peak	Vertical
*	8769.0	35.3	14.2	49.5	68.2	-18.7	Peak	Vertical
*	10120.5	35.1	17.0	52.1	68.2	-16.1	Peak	Vertical

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

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

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

Product	FastMile 4G Gateway	Temperature	25°C
Test Engineer	Cloud Guo	Relative Humidity	52%
Test Site	AC2	Test Date	2019/12/03
Test Mode:	802.11n-HT40 - Ant 8 + 9	Test Channel:	102
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7604.5	36.1	11.8	47.9	74.0	-26.1	Peak	Horizontal
	8199.5	35.7	12.4	48.1	74.0	-25.9	Peak	Horizontal
*	8811.5	34.7	14.3	49.0	68.2	-19.2	Peak	Horizontal
*	9857.0	34.5	16.8	51.3	68.2	-16.9	Peak	Horizontal
	7434.5	36.9	11.9	48.8	74.0	-25.2	Peak	Vertical
	8157.0	36.8	12.5	49.3	74.0	-24.7	Peak	Vertical
*	8888.0	34.9	14.2	49.1	68.2	-19.1	Peak	Vertical
*	9857.0	34.8	16.8	51.6	68.2	-16.6	Peak	Vertical

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

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

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

Product	FastMile 4G Gateway	Temperature	25°C
Test Engineer	Cloud Guo	Relative Humidity	52%
Test Site	AC2	Test Date	2019/12/03
Test Mode:	802.11n-HT40 - Ant 8 + 9	Test Channel:	118
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7536.5	34.9	11.8	46.7	74.0	-27.3	Peak	Horizontal
	8310.0	35.6	12.2	47.8	74.0	-26.2	Peak	Horizontal
*	9916.5	33.8	16.9	50.7	68.2	-17.5	Peak	Horizontal
*	10401.0	34.1	17.6	51.7	68.2	-16.5	Peak	Horizontal
	7366.5	35.4	11.9	47.3	74.0	-26.7	Peak	Vertical
	8225.0	35.4	12.4	47.8	74.0	-26.2	Peak	Vertical
*	8692.5	36.2	14.0	50.2	68.2	-18.0	Peak	Vertical
*	9967.5	36.2	16.7	52.9	68.2	-15.3	Peak	Vertical

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

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

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

Product	FastMile 4G Gateway	Temperature	25°C
Test Engineer	Cloud Guo	Relative Humidity	52%
Test Site	AC2	Test Date	2019/12/03
Test Mode:	802.11n-HT40 - Ant 8 + 9	Test Channel:	134
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7502.5	36.6	11.9	48.5	74.0	-25.5	Peak	Horizontal
	8310.0	35.6	12.2	47.8	74.0	-26.2	Peak	Horizontal
*	8777.5	34.7	14.1	48.8	68.2	-19.4	Peak	Horizontal
*	9823.0	34.6	16.9	51.5	68.2	-16.7	Peak	Horizontal
	7502.5	35.9	11.9	47.8	74.0	-26.2	Peak	Vertical
	8276.0	37.2	12.3	49.5	74.0	-24.5	Peak	Vertical
*	8862.5	34.6	14.4	49.0	68.2	-19.2	Peak	Vertical
*	9755.0	35.5	16.7	52.2	68.2	-16.0	Peak	Vertical

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

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

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

Product	FastMile 4G Gateway	Temperature	25°C
Test Engineer	Cloud Guo	Relative Humidity	52%
Test Site	AC2	Test Date	2019/12/03
Test Mode:	802.11n-HT40 - Ant 8 + 9	Test Channel:	142
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7570.5	35.8	11.7	47.5	74.0	-26.5	Peak	Horizontal
	8352.5	35.2	12.3	47.5	74.0	-26.5	Peak	Horizontal
*	8752.0	34.8	14.2	49.0	68.2	-19.2	Peak	Horizontal
*	9865.5	34.8	16.8	51.6	68.2	-16.6	Peak	Horizontal
	7434.5	35.9	11.9	47.8	74.0	-26.2	Peak	Vertical
	8276.0	35.0	12.3	47.3	74.0	-26.7	Peak	Vertical
*	8956.0	34.9	14.2	49.1	68.2	-19.1	Peak	Vertical
*	10078.0	34.3	16.8	51.1	68.2	-17.1	Peak	Vertical

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

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

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

Product	GigaSpire	Temperature	25°C
Test Engineer	Dillon Diao	Relative Humidity	52%
Test Site	AC1	Test Date	2019/12/03
Test Mode:	802.11n-HT40 - Ant 8 + 9	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
	11510.0	38.1	17.8	55.9	74.0	-18.1	Peak	Horizontal
	11510.0	29.0	17.8	46.8	54.0	-7.2	Average	Horizontal
	12254.0	36.4	17.2	53.6	74.0	-20.4	Peak	Horizontal
*	13027.5	34.8	17.9	52.7	68.2	-15.5	Peak	Horizontal
*	14336.5	34.2	20.3	54.5	68.2	-13.7	Peak	Horizontal
	7698.0	37.0	11.7	48.7	74.0	-25.3	Peak	Vertical
	8310.0	35.3	12.2	47.5	74.0	-26.5	Peak	Vertical
*	8837.0	34.6	14.3	48.9	68.2	-19.3	Peak	Vertical
*	10044.0	36.1	16.9	53.0	68.2	-15.2	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	GigaSpire	Temperature	25°C
Test Engineer	Dillon Diao	Relative Humidity	52%
Test Site	AC1	Test Date	2019/12/03
Test Mode:	802.11n-HT40 - Ant 8 + 9	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
	7400.5	36.7	11.8	48.5	74.0	-25.5	Peak	Horizontal
	8318.5	36.1	12.2	48.3	74.0	-25.7	Peak	Horizontal
*	8769.0	35.2	14.2	49.4	68.2	-18.8	Peak	Horizontal
*	9865.5	34.6	16.8	51.4	68.2	-16.8	Peak	Horizontal
	7366.5	35.7	11.9	47.6	74.0	-26.4	Peak	Vertical
	8310.0	36.1	12.2	48.3	74.0	-25.7	Peak	Vertical
*	8735.0	34.4	14.0	48.4	68.2	-19.8	Peak	Vertical
*	10035.5	34.7	16.8	51.5	68.2	-16.7	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	GigaSpire	Temperature	25°C
Test Engineer	Dillon Diao	Relative Humidity	52%
Test Site	AC1	Test Date	2019/12/03
Test Mode:	802.11ac-VHT20 - Ant 8 + 9	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
	7638.5	36.1	11.4	47.5	74.0	-26.5	Peak	Horizontal
	8429.0	35.4	12.7	48.1	74.0	-25.9	Peak	Horizontal
*	9670.0	36.8	16.6	53.4	68.2	-14.8	Peak	Horizontal
*	10239.5	35.5	17.1	52.6	68.2	-15.6	Peak	Horizontal
	7468.5	35.4	11.8	47.2	74.0	-26.8	Peak	Vertical
	8352.5	36.3	12.3	48.6	74.0	-25.4	Peak	Vertical
*	9899.5	34.2	16.9	51.1	68.2	-17.1	Peak	Vertical
*	10401.0	34.9	17.6	52.5	68.2	-15.7	Peak	Vertical

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

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

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

Product	GigaSpire	Temperature	25°C
Test Engineer	Dillon Diao	Relative Humidity	52%
Test Site	AC1	Test Date	2019/12/03
Test Mode:	802.11ac-VHT20 - Ant 8 + 9	Test Channel:	44
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7434.5	36.4	11.9	48.3	74.0	-25.7	Peak	Horizontal
	8310.0	36.6	12.2	48.8	74.0	-25.2	Peak	Horizontal
*	8896.5	36.5	14.2	50.7	68.2	-17.5	Peak	Horizontal
*	10537.0	36.8	17.7	54.5	68.2	-13.7	Peak	Horizontal
	7400.5	35.6	11.8	47.4	74.0	-26.6	Peak	Vertical
	8242.0	35.5	12.2	47.7	74.0	-26.3	Peak	Vertical
*	8769.0	35.0	14.2	49.2	68.2	-19.0	Peak	Vertical
*	10052.5	35.9	16.8	52.7	68.2	-15.5	Peak	Vertical

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

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

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

Product	GigaSpire	Temperature	25°C
Test Engineer	Dillon Diao	Relative Humidity	52%
Test Site	AC1	Test Date	2019/12/03
Test Mode:	802.11ac-VHT20 - Ant 8 + 9	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
	7502.5	38.0	11.9	49.9	74.0	-24.1	Peak	Horizontal
	8276.0	36.7	12.3	49.0	74.0	-25.0	Peak	Horizontal
*	8896.5	34.7	14.2	48.9	68.2	-19.3	Peak	Horizontal
*	10163.0	36.4	16.9	53.3	68.2	-14.9	Peak	Horizontal
	7528.0	37.2	11.8	49.0	74.0	-25.0	Peak	Vertical
	8165.5	35.8	12.4	48.2	74.0	-25.8	Peak	Vertical
*	10163.0	36.3	16.9	53.2	68.2	-15.0	Peak	Vertical
*	10443.5	34.6	17.7	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	FastMile 4G Gateway	Temperature	25°C
Test Engineer	Cloud Guo	Relative Humidity	52%
Test Site	AC2	Test Date	2019/12/03
Test Mode:	802.11ac-VHT20 - Ant 8 + 9	Test Channel:	52
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7638.5	35.6	11.4	47.0	74.0	-27.0	Peak	Horizontal
	8276.0	35.3	12.3	47.6	74.0	-26.4	Peak	Horizontal
*	8854.0	37.2	14.4	51.6	68.2	-16.6	Peak	Horizontal
*	10333.0	36.3	17.4	53.7	68.2	-14.5	Peak	Horizontal
	7400.5	36.3	11.8	48.1	74.0	-25.9	Peak	Vertical
	8276.0	36.9	12.3	49.2	74.0	-24.8	Peak	Vertical
*	8658.5	38.4	13.7	52.1	68.2	-16.1	Peak	Vertical
*	10078.0	36.0	16.8	52.8	68.2	-15.4	Peak	Vertical

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

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

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

Product	FastMile 4G Gateway	Temperature	25°C
Test Engineer	Cloud Guo	Relative Humidity	52%
Test Site	AC2	Test Date	2019/12/03
Test Mode:	802.11ac-VHT20 - Ant 8 + 9	Test Channel:	60
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7502.5	36.9	11.9	48.8	74.0	-25.2	Peak	Horizontal
	8148.5	36.7	12.5	49.2	74.0	-24.8	Peak	Horizontal
*	8879.5	36.9	14.2	51.1	68.2	-17.1	Peak	Horizontal
*	10418.0	36.8	17.6	54.4	68.2	-13.8	Peak	Horizontal
	7392.0	36.3	11.8	48.1	74.0	-25.9	Peak	Vertical
	8191.0	36.6	12.4	49.0	74.0	-25.0	Peak	Vertical
*	8692.5	35.2	14.0	49.2	68.2	-19.0	Peak	Vertical
*	9857.0	34.9	16.8	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	FastMile 4G Gateway	Temperature	25°C
Test Engineer	Cloud Guo	Relative Humidity	52%
Test Site	AC2	Test Date	2019/12/03
Test Mode:	802.11ac-VHT20 - Ant 8 + 9	Test Channel:	64
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7689.5	38.0	11.6	49.6	74.0	-24.4	Peak	Horizontal
	8242.0	37.3	12.2	49.5	74.0	-24.5	Peak	Horizontal
*	8777.5	36.4	14.1	50.5	68.2	-17.7	Peak	Horizontal
*	10010.0	35.4	16.8	52.2	68.2	-16.0	Peak	Horizontal
	7434.5	37.7	11.9	49.6	74.0	-24.4	Peak	Vertical
	8242.0	36.2	12.2	48.4	74.0	-25.6	Peak	Vertical
*	8692.5	35.7	14.0	49.7	68.2	-18.5	Peak	Vertical
*	9857.0	36.5	16.8	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	FastMile 4G Gateway	Temperature	25°C
Test Engineer	Cloud Guo	Relative Humidity	52%
Test Site	AC2	Test Date	2019/12/03
Test Mode:	802.11ac-VHT20 - Ant 8 + 9	Test Channel:	100
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7647.0	35.4	11.4	46.8	74.0	-27.2	Peak	Horizontal
	8216.5	35.6	12.3	47.9	74.0	-26.1	Peak	Horizontal
*	8743.5	34.7	14.1	48.8	68.2	-19.4	Peak	Horizontal
*	10001.5	36.2	16.8	53.0	68.2	-15.2	Peak	Horizontal
	7468.5	36.0	11.8	47.8	74.0	-26.2	Peak	Vertical
	8276.0	35.7	12.3	48.0	74.0	-26.0	Peak	Vertical
*	8641.5	37.8	13.6	51.4	68.2	-16.8	Peak	Vertical
*	9780.5	36.4	16.7	53.1	68.2	-15.1	Peak	Vertical

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

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

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

Product	FastMile 4G Gateway	Temperature	25°C
Test Engineer	Cloud Guo	Relative Humidity	52%
Test Site	AC2	Test Date	2019/12/03
Test Mode:	802.11ac-VHT20 - Ant 8 + 9	Test Channel:	120
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7502.5	36.6	11.9	48.5	74.0	-25.5	Peak	Horizontal
	8318.5	36.3	12.2	48.5	74.0	-25.5	Peak	Horizontal
*	8811.5	35.7	14.3	50.0	68.2	-18.2	Peak	Horizontal
*	10188.5	35.9	17.2	53.1	68.2	-15.1	Peak	Horizontal
	7511.0	35.3	11.9	47.2	74.0	-26.8	Peak	Vertical
	8276.0	35.2	12.3	47.5	74.0	-26.5	Peak	Vertical
*	8769.0	35.5	14.2	49.7	68.2	-18.5	Peak	Vertical
*	9874.0	35.8	16.8	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	FastMile 4G Gateway	Temperature	25°C
Test Engineer	Cloud Guo	Relative Humidity	52%
Test Site	AC2	Test Date	2019/12/03
Test Mode:	802.11ac-VHT20 - Ant 8 + 9	Test Channel:	140
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7366.5	36.9	11.9	48.8	74.0	-25.2	Peak	Horizontal
	8412.0	35.8	12.3	48.1	74.0	-25.9	Peak	Horizontal
*	8735.0	35.8	14.0	49.8	68.2	-18.4	Peak	Horizontal
*	10044.0	36.0	16.9	52.9	68.2	-15.3	Peak	Horizontal
	7655.5	36.1	11.4	47.5	74.0	-26.5	Peak	Vertical
	8276.0	36.7	12.3	49.0	74.0	-25.0	Peak	Vertical
*	8692.5	35.3	14.0	49.3	68.2	-18.9	Peak	Vertical
*	9882.5	35.1	16.8	51.9	68.2	-16.3	Peak	Vertical

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

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

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

Product	FastMile 4G Gateway	Temperature	25°C
Test Engineer	Cloud Guo	Relative Humidity	52%
Test Site	AC2	Test Date	2019/12/03
Test Mode:	802.11ac-VHT20 - Ant 8 + 9	Test Channel:	144
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7468.5	37.6	11.8	49.4	74.0	-24.6	Peak	Horizontal
	8165.5	37.5	12.4	49.9	74.0	-24.1	Peak	Horizontal
*	8862.5	37.7	14.4	52.1	68.2	-16.1	Peak	Horizontal
*	9908.0	35.7	16.9	52.6	68.2	-15.6	Peak	Horizontal
	7400.5	36.5	11.8	48.3	74.0	-25.7	Peak	Vertical
	8242.0	36.3	12.2	48.5	74.0	-25.5	Peak	Vertical
*	8735.0	35.3	14.0	49.3	68.2	-18.9	Peak	Vertical
*	9925.0	36.1	16.8	52.9	68.2	-15.3	Peak	Vertical

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

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

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

Product	GigaSpire	Temperature	25°C
Test Engineer	Dillon Diao	Relative Humidity	52%
Test Site	AC1	Test Date	2019/12/03
Test Mode:	802.11ac-VHT20 - Ant 8 + 9	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
	11497.5	37.6	17.7	55.3	74.0	-18.7	Peak	Horizontal
	11490.0	29.0	17.7	46.7	54.0	-7.3	Average	Horizontal
	11965.0	35.4	16.8	52.2	74.0	-21.8	Peak	Horizontal
*	13163.5	34.6	18.0	52.6	68.2	-15.6	Peak	Horizontal
*	14141.0	33.9	19.7	53.6	68.2	-14.6	Peak	Horizontal
	7604.5	35.1	11.8	46.9	74.0	-27.1	Peak	Vertical
	8386.5	35.4	12.4	47.8	74.0	-26.2	Peak	Vertical
*	8939.0	34.4	14.4	48.8	68.2	-19.4	Peak	Vertical
*	10129.0	35.3	16.9	52.2	68.2	-16.0	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	GigaSpire	Temperature	25°C
Test Engineer	Dillon Diao	Relative Humidity	52%
Test Site	AC1	Test Date	2019/12/03
Test Mode:	802.11ac-VHT20 - Ant 8 + 9	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
	10800.5	36.3	18.0	54.3	74.0	-19.7	Peak	Horizontal
	10800.5	32.2	18.0	50.2	54.0	-3.8	Average	Horizontal
	11570.0	39.1	17.4	56.5	74.0	-17.5	Average	Horizontal
	11570.0	29.0	17.4	46.4	54.0	-7.6	Peak	Horizontal
*	13163.5	36.9	18.0	54.9	68.2	-13.3	Peak	Horizontal
*	14251.5	36.3	20.2	56.5	68.2	-11.7	Peak	Horizontal
	10826.0	35.5	18.0	53.5	74.0	-20.5	Peak	Vertical
	11569.2	37.5	17.4	54.9	74.0	-19.1	Peak	Vertical
	11569.2	28.5	17.4	45.9	54.0	-8.1	Average	Vertical
*	13010.5	34.7	17.9	52.6	68.2	-15.6	Peak	Vertical
*	13877.5	34.8	19.3	54.1	68.2	-14.1	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	GigaSpire	Temperature	25°C
Test Engineer	Dillon Diao	Relative Humidity	52%
Test Site	AC1	Test Date	2019/12/03
Test Mode:	802.11ac-VHT20 - Ant 8 + 9	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
	7562.0	35.0	11.7	46.7	74.0	-27.3	Peak	Horizontal
	8463.0	35.3	12.5	47.8	74.0	-26.2	Peak	Horizontal
*	8718.0	35.0	13.9	48.9	68.2	-19.3	Peak	Horizontal
*	9950.5	35.9	16.9	52.8	68.2	-15.4	Peak	Horizontal
	7647.0	36.3	11.4	47.7	74.0	-26.3	Peak	Vertical
	8386.5	35.9	12.4	48.3	74.0	-25.7	Peak	Vertical
*	8854.0	35.6	14.4	50.0	68.2	-18.2	Peak	Vertical
*	9993.0	35.4	16.7	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	GigaSpire	Temperature	25°C
Test Engineer	Dillon Diao	Relative Humidity	52%
Test Site	AC1	Test Date	2019/12/03
Test Mode:	802.11ac-VHT40 - Ant 8 + 9	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
	7638.5	35.6	11.4	47.0	74.0	-27.0	Peak	Horizontal
	8242.0	35.5	12.2	47.7	74.0	-26.3	Peak	Horizontal
*	8939.0	34.2	14.4	48.6	68.2	-19.6	Peak	Horizontal
*	9831.5	36.3	16.9	53.2	68.2	-15.0	Peak	Horizontal
	7375.0	36.2	11.9	48.1	74.0	-25.9	Peak	Vertical
	8301.5	37.0	12.2	49.2	74.0	-24.8	Peak	Vertical
*	8726.5	35.0	13.9	48.9	68.2	-19.3	Peak	Vertical
*	9814.5	34.9	16.8	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	GigaSpire	Temperature	25°C
Test Engineer	Dillon Diao	Relative Humidity	52%
Test Site	AC1	Test Date	2019/12/03
Test Mode:	802.11ac-VHT40 - Ant 8 + 9	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
	7613.0	35.4	11.8	47.2	74.0	-26.8	Peak	Horizontal
	8250.5	36.1	12.2	48.3	74.0	-25.7	Peak	Horizontal
*	8777.5	35.2	14.1	49.3	68.2	-18.9	Peak	Horizontal
*	9942.0	35.4	16.9	52.3	68.2	-15.9	Peak	Horizontal
	7468.5	36.6	11.8	48.4	74.0	-25.6	Peak	Vertical
	8276.0	36.6	12.3	48.9	74.0	-25.1	Peak	Vertical
*	8769.0	35.1	14.2	49.3	68.2	-18.9	Peak	Vertical
*	9661.5	36.0	16.4	52.4	68.2	-15.8	Peak	Vertical

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

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

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

Product	FastMile 4G Gateway	Temperature	25°C
Test Engineer	Cloud Guo	Relative Humidity	52%
Test Site	AC2	Test Date	2019/12/03
Test Mode:	802.11ac-VHT40 - Ant 8 + 9	Test Channel:	54
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7477.0	36.5	11.7	48.2	74.0	-25.8	Peak	Horizontal
	8199.5	36.6	12.4	49.0	74.0	-25.0	Peak	Horizontal
*	8811.5	35.6	14.3	49.9	68.2	-18.3	Peak	Horizontal
*	9933.5	35.5	16.9	52.4	68.2	-15.8	Peak	Horizontal
	7604.5	36.1	11.8	47.9	74.0	-26.1	Peak	Vertical
	8310.0	36.0	12.2	48.2	74.0	-25.8	Peak	Vertical
*	8735.0	35.1	14.0	49.1	68.2	-19.1	Peak	Vertical
*	9857.0	34.9	16.8	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	FastMile 4G Gateway	Temperature	25°C
Test Engineer	Cloud Guo	Relative Humidity	52%
Test Site	AC2	Test Date	2019/12/03
Test Mode:	802.11ac-VHT40 - Ant 8 + 9	Test Channel:	62
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7613.0	36.5	11.8	48.3	74.0	-25.7	Peak	Horizontal
	8284.5	35.6	12.2	47.8	74.0	-26.2	Peak	Horizontal
*	8820.0	35.0	14.3	49.3	68.2	-18.9	Peak	Horizontal
*	9687.0	35.4	16.5	51.9	68.2	-16.3	Peak	Horizontal
	7485.5	36.1	11.8	47.9	74.0	-26.1	Peak	Vertical
	8361.0	36.5	12.4	48.9	74.0	-25.1	Peak	Vertical
*	8854.0	35.3	14.4	49.7	68.2	-18.5	Peak	Vertical
*	9670.0	35.8	16.6	52.4	68.2	-15.8	Peak	Vertical

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

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

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

Product	FastMile 4G Gateway	Temperature	25°C
Test Engineer	Cloud Guo	Relative Humidity	52%
Test Site	AC2	Test Date	2019/12/03
Test Mode:	802.11ac-VHT40 - Ant 8 + 9	Test Channel:	102
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7519.5	36.9	11.8	48.7	74.0	-25.3	Peak	Horizontal
	8310.0	36.0	12.2	48.2	74.0	-25.8	Peak	Horizontal
*	8811.5	35.0	14.3	49.3	68.2	-18.9	Peak	Horizontal
*	9644.5	35.6	16.3	51.9	68.2	-16.3	Peak	Horizontal
	7468.5	36.6	11.8	48.4	74.0	-25.6	Peak	Vertical
	8208.0	35.7	12.3	48.0	74.0	-26.0	Peak	Vertical
*	8811.5	34.6	14.3	48.9	68.2	-19.3	Peak	Vertical
*	10069.5	35.0	16.8	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	FastMile 4G Gateway	Temperature	25°C
Test Engineer	Cloud Guo	Relative Humidity	52%
Test Site	AC2	Test Date	2019/12/03
Test Mode:	802.11ac-VHT40 - Ant 8 + 9	Test Channel:	118
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7655.5	37.7	11.4	49.1	74.0	-24.9	Peak	Horizontal
	8199.5	35.1	12.4	47.5	74.0	-26.5	Peak	Horizontal
*	8769.0	34.9	14.2	49.1	68.2	-19.1	Peak	Horizontal
*	10307.5	35.6	17.3	52.9	68.2	-15.3	Peak	Horizontal
	7511.0	36.1	11.9	48.0	74.0	-26.0	Peak	Vertical
	8327.0	36.1	12.2	48.3	74.0	-25.7	Peak	Vertical
*	8879.5	35.0	14.2	49.2	68.2	-19.0	Peak	Vertical
*	10120.5	34.9	17.0	51.9	68.2	-16.3	Peak	Vertical

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

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

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

Product	FastMile 4G Gateway	Temperature	25°C
Test Engineer	Cloud Guo	Relative Humidity	52%
Test Site	AC2	Test Date	2019/12/03
Test Mode:	802.11ac-VHT40 - Ant 8 + 9	Test Channel:	134
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7426.0	36.4	11.8	48.2	74.0	-25.8	Peak	Horizontal
	8395.0	36.0	12.4	48.4	74.0	-25.6	Peak	Horizontal
*	8769.0	35.2	14.2	49.4	68.2	-18.8	Peak	Horizontal
*	10180.0	35.3	17.2	52.5	68.2	-15.7	Peak	Horizontal
	7434.5	36.0	11.9	47.9	74.0	-26.1	Peak	Vertical
	8199.5	37.0	12.4	49.4	74.0	-24.6	Peak	Vertical
*	9899.5	35.3	16.9	52.2	68.2	-16.0	Peak	Vertical
*	10469.0	35.5	17.8	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	FastMile 4G Gateway	Temperature	25°C
Test Engineer	Cloud Guo	Relative Humidity	52%
Test Site	AC2	Test Date	2019/12/03
Test Mode:	802.11ac-VHT40 - Ant 8 + 9	Test Channel:	142
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7647.0	36.2	11.4	47.6	74.0	-26.4	Peak	Horizontal
	8250.5	36.3	12.2	48.5	74.0	-25.5	Peak	Horizontal
*	8854.0	36.2	14.4	50.6	68.2	-17.6	Peak	Horizontal
*	9806.0	35.5	16.8	52.3	68.2	-15.9	Peak	Horizontal
	7502.5	36.0	11.9	47.9	74.0	-26.1	Peak	Vertical
	8310.0	35.8	12.2	48.0	74.0	-26.0	Peak	Vertical
*	8769.0	35.1	14.2	49.3	68.2	-18.9	Peak	Vertical
*	9721.0	37.1	16.7	53.8	68.2	-14.4	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	GigaSpire	Temperature	25°C
Test Engineer	Dillon Diao	Relative Humidity	52%
Test Site	AC1	Test Date	2019/12/03
Test Mode:	802.11ac-VHT40 - Ant 8 + 9	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
	11506.1	41.0	17.8	58.8	74.0	-15.2	Peak	Horizontal
	11506.1	29.4	17.8	47.2	54.0	-6.8	Average	Horizontal
	12279.5	34.9	17.0	51.9	74.0	-22.1	Peak	Horizontal
*	12951.0	34.9	18.0	52.9	68.2	-15.3	Peak	Horizontal
*	13911.5	35.1	19.4	54.5	68.2	-13.7	Peak	Horizontal
	11509.5	38.1	17.8	55.9	74.0	-18.1	Peak	Vertical
	11509.5	28.9	17.8	46.7	54.0	-7.3	Average	Vertical
	12279.5	36.0	17.0	53.0	74.0	-21.0	Peak	Vertical
*	12968.0	34.2	17.9	52.1	68.2	-16.1	Peak	Vertical
*	13911.5	34.4	19.4	53.8	68.2	-14.4	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	GigaSpire	Temperature	25°C
Test Engineer	Dillon Diao	Relative Humidity	52%
Test Site	AC1	Test Date	2019/12/03
Test Mode:	802.11ac-VHT40 - Ant 8 + 9	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
	8276.0	36.9	12.3	49.2	74.0	-24.8	Peak	Horizontal
	11582.5	39.7	17.4	57.1	74.0	-16.9	Peak	Horizontal
	11582.5	28.0	17.4	45.4	54.0	-8.6	Average	Horizontal
*	13104.0	34.4	17.8	52.2	68.2	-16.0	Peak	Horizontal
*	14192.0	35.8	20.2	56.0	68.2	-12.2	Peak	Horizontal
	7468.5	35.7	11.8	47.5	74.0	-26.5	Peak	Vertical
	8310.0	35.8	12.2	48.0	74.0	-26.0	Peak	Vertical
*	8888.0	35.1	14.2	49.3	68.2	-18.9	Peak	Vertical
*	9763.5	35.9	16.7	52.6	68.2	-15.6	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	GigaSpire	Temperature	25°C
Test Engineer	Dillon Diao	Relative Humidity	52%
Test Site	AC1	Test Date	2019/12/03
Test Mode:	802.11ac-VHT80 - Ant 8 + 9	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
	7689.5	37.3	11.6	48.9	74.0	-25.1	Peak	Horizontal
	8429.0	36.0	12.7	48.7	74.0	-25.3	Peak	Horizontal
*	10027.0	37.2	16.8	54.0	68.2	-14.2	Peak	Horizontal
*	10528.5	34.3	17.7	52.0	68.2	-16.2	Peak	Horizontal
	7587.5	35.4	11.7	47.1	74.0	-26.9	Peak	Vertical
	8276.0	36.7	12.3	49.0	74.0	-25.0	Peak	Vertical
*	8769.0	36.1	14.2	50.3	68.2	-17.9	Peak	Vertical
*	9993.0	35.6	16.7	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	FastMile 4G Gateway	Temperature	25°C
Test Engineer	Cloud Guo	Relative Humidity	52%
Test Site	AC2	Test Date	2019/12/03
Test Mode:	802.11ac-VHT80 - Ant 8 + 9	Test Channel:	58
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7672.5	36.3	11.5	47.8	74.0	-26.2	Peak	Horizontal
	8318.5	36.7	12.2	48.9	74.0	-25.1	Peak	Horizontal
*	8769.0	35.1	14.2	49.3	68.2	-18.9	Peak	Horizontal
*	9831.5	35.3	16.9	52.2	68.2	-16.0	Peak	Horizontal
	7434.5	36.3	11.9	48.2	74.0	-25.8	Peak	Vertical
	8378.0	37.3	12.3	49.6	74.0	-24.4	Peak	Vertical
*	8871.0	35.5	14.3	49.8	68.2	-18.4	Peak	Vertical
*	10044.0	36.2	16.9	53.1	68.2	-15.1	Peak	Vertical

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

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

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

Product	FastMile 4G Gateway	Temperature	25°C
Test Engineer	Cloud Guo	Relative Humidity	52%
Test Site	AC2	Test Date	2019/12/03
Test Mode:	802.11ac-VHT80 - Ant 8 + 9	Test Channel:	106
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7443.0	36.8	12.1	48.9	74.0	-25.1	Peak	Horizontal
	8284.5	36.3	12.2	48.5	74.0	-25.5	Peak	Horizontal
*	8743.5	35.1	14.1	49.2	68.2	-19.0	Peak	Horizontal
*	9942.0	35.9	16.9	52.8	68.2	-15.4	Peak	Horizontal
	7596.0	36.5	11.8	48.3	74.0	-25.7	Peak	Vertical
	8310.0	36.1	12.2	48.3	74.0	-25.7	Peak	Vertical
*	8752.0	35.0	14.2	49.2	68.2	-19.0	Peak	Vertical
*	9933.5	35.2	16.9	52.1	68.2	-16.1	Peak	Vertical

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

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

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

Product	FastMile 4G Gateway	Temperature	25°C
Test Engineer	Cloud Guo	Relative Humidity	52%
Test Site	AC2	Test Date	2019/12/03
Test Mode:	802.11ac-VHT80 - Ant 8 + 9	Test Channel:	122
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7647.0	35.5	11.4	46.9	74.0	-27.1	Peak	Horizontal
	8361.0	36.0	12.4	48.4	74.0	-25.6	Peak	Horizontal
*	8896.5	35.5	14.2	49.7	68.2	-18.5	Peak	Horizontal
*	9942.0	35.0	16.9	51.9	68.2	-16.3	Peak	Horizontal
	7545.0	36.5	11.7	48.2	74.0	-25.8	Peak	Vertical
	8284.5	36.6	12.2	48.8	74.0	-25.2	Peak	Vertical
*	8777.5	35.7	14.1	49.8	68.2	-18.4	Peak	Vertical
*	9882.5	36.2	16.8	53.0	68.2	-15.2	Peak	Vertical

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

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

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

Product	FastMile 4G Gateway	Temperature	25°C
Test Engineer	Cloud Guo	Relative Humidity	52%
Test Site	AC2	Test Date	2019/12/03
Test Mode:	802.11ac-VHT80 - Ant 8 + 9	Test Channel:	138
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7536.5	36.2	11.8	48.0	74.0	-26.0	Peak	Horizontal
	8352.5	37.1	12.3	49.4	74.0	-24.6	Peak	Horizontal
*	8913.5	35.7	14.3	50.0	68.2	-18.2	Peak	Horizontal
*	10180.0	35.3	17.2	52.5	68.2	-15.7	Peak	Horizontal
	7536.5	36.8	11.8	48.6	74.0	-25.4	Peak	Vertical
	8318.5	37.2	12.2	49.4	74.0	-24.6	Peak	Vertical
*	8735.0	35.5	14.0	49.5	68.2	-18.7	Peak	Vertical
*	9984.5	35.3	16.7	52.0	68.2	-16.2	Peak	Vertical

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

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

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

Product	GigaSpire	Temperature	25°C
Test Engineer	Dillon Diao	Relative Humidity	52%
Test Site	AC1	Test Date	2019/12/03
Test Mode:	802.11ac-VHT80 - Ant 8 + 9	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
	10851.5	37.0	18.0	55.0	74.0	-19.0	Peak	Horizontal
	10851.5	30.4	18.0	48.4	54.0	-5.6	Average	Horizontal
	11550.0	38.1	17.4	55.5	74.0	-18.5	Peak	Horizontal
	11550.0	28.0	17.4	45.4	54.0	-8.6	Average	Horizontal
*	12951.0	35.8	18.0	53.8	68.2	-14.4	Peak	Horizontal
*	14175.0	35.7	19.6	55.3	68.2	-12.9	Peak	Horizontal
	7485.5	37.4	11.8	49.2	74.0	-24.8	Peak	Vertical
	8208.0	37.7	12.3	50.0	74.0	-24.0	Peak	Vertical
*	9593.5	35.2	16.3	51.5	68.2	-16.7	Peak	Vertical
*	10469.0	36.8	17.8	54.6	68.2	-13.6	Peak	Vertical

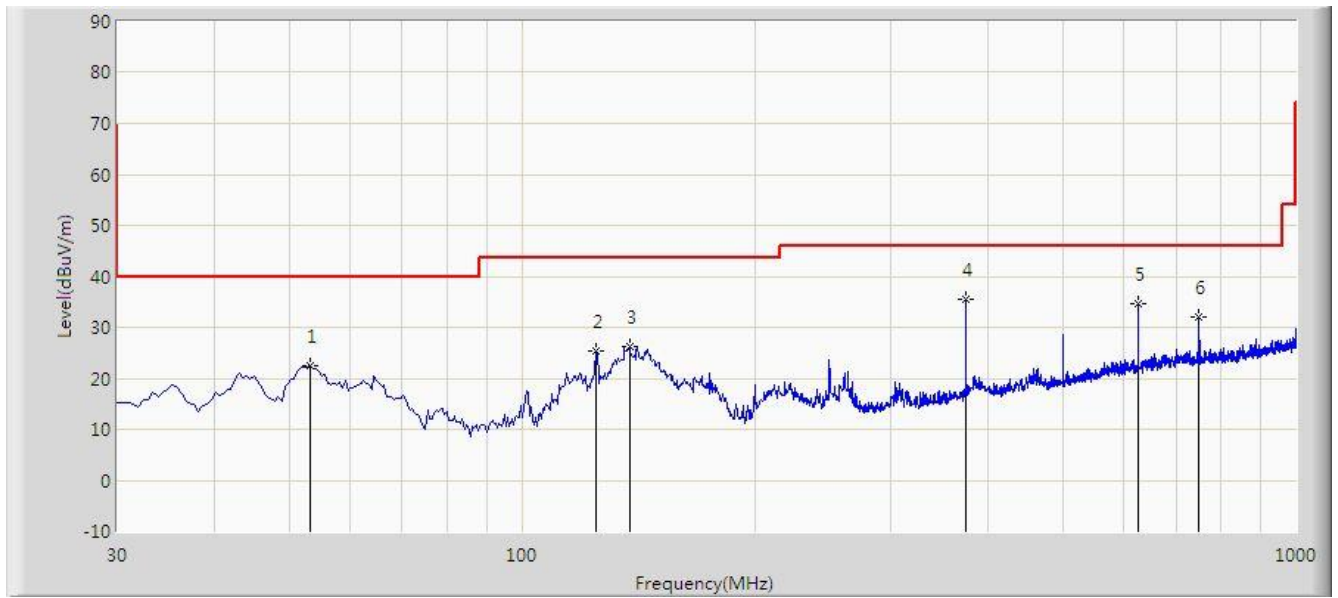
Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

The worst case of Radiated Emission below 1GHz:

Site: AC1	Time: 2019/12/04 - 16:10
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: AC1_VULB 9168 _20-2000MHz	Polarity: Horizontal
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Worst Case Mode: There is the worst case within frequency range 30MHz~1GHz.	



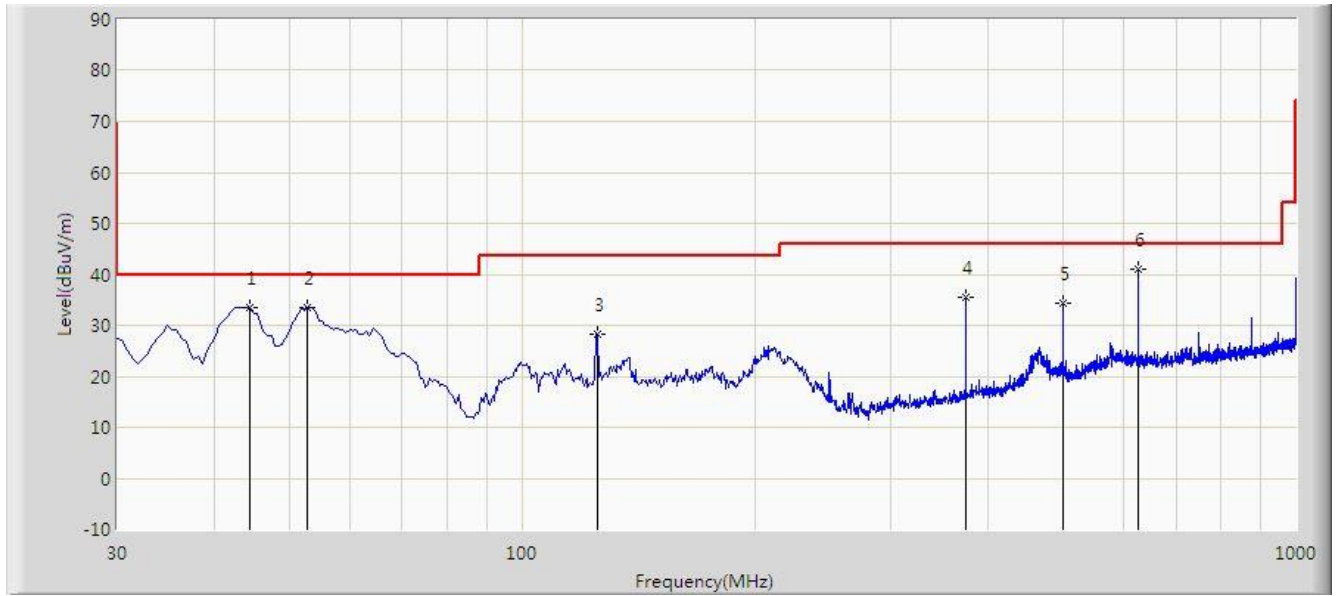
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			53.280	22.343	8.435	-17.657	40.000	13.908	QP
2			124.575	25.411	11.935	-18.089	43.500	13.476	QP
3			137.670	26.211	11.835	-17.289	43.500	14.376	QP
4		*	374.835	35.592	19.554	-10.408	46.000	16.037	QP
5			625.095	34.733	13.642	-11.267	46.000	21.091	QP
6			750.225	32.117	9.342	-13.883	46.000	22.774	QP

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

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

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

Site: AC1	Time: 2019/12/04 - 16:11
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: AC1_VULB 9168 _20-2000MHz	Polarity: Vertical
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Worst Case Mode: There is the worst case within frequency range 30MHz~1GHz.	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			44.550	33.353	19.078	-6.647	40.000	14.275	QP
2			52.795	33.530	19.587	-6.470	40.000	13.942	QP
3			125.060	28.300	14.798	-15.200	43.500	13.502	QP
4			374.835	35.637	19.599	-10.363	46.000	16.037	QP
5			499.965	34.254	15.763	-11.746	46.000	18.492	QP
6		*	625.095	41.065	19.974	-4.935	46.000	21.091	QP

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

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

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

7.9. Radiated Restricted Band Edge Measurement

7.9.1. Test Limit

For 15.205 requirement:

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 5.25-5.35 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 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 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.

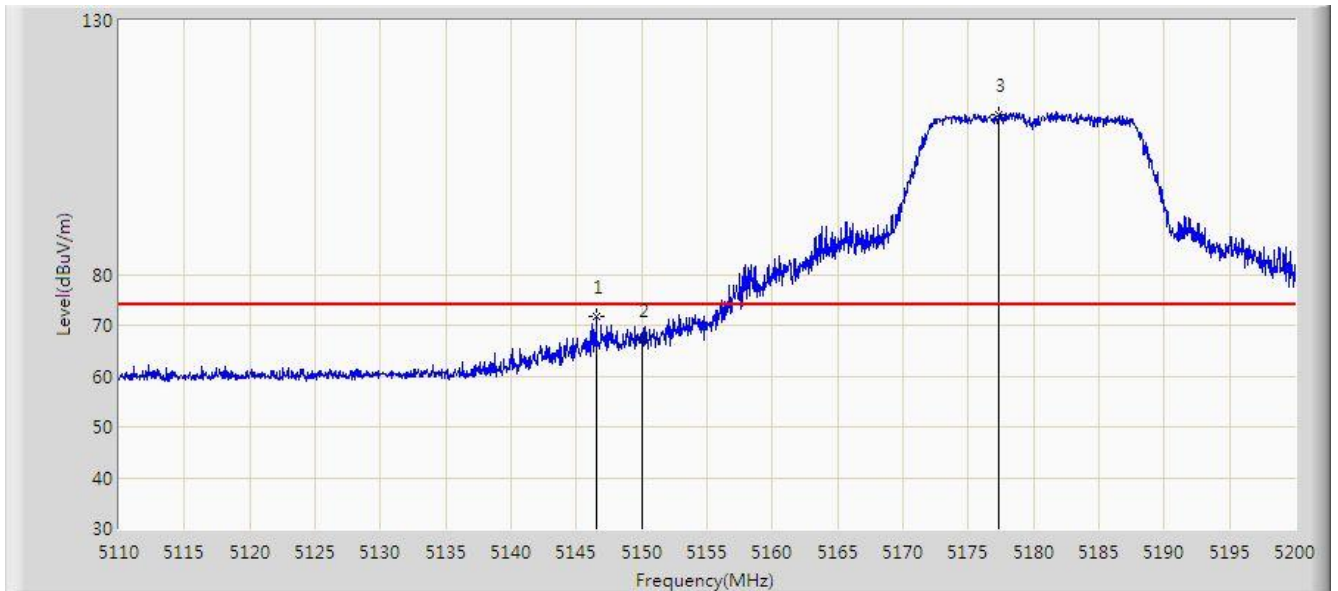
Refer to KDB 789033 D02v01r04 G)2)c), as specified in § 15.407(b), emissions above 1000 MHz that are outside of the restricted bands are subject to a maximum emission limit of -27 dBm/MHz as specified in § 15.407(b)(4)). However, an out-of-band emission that complies with both the peak and average limits 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 Result

Site: AC1	Time: 2019/11/30 - 01:02
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5180MHz	

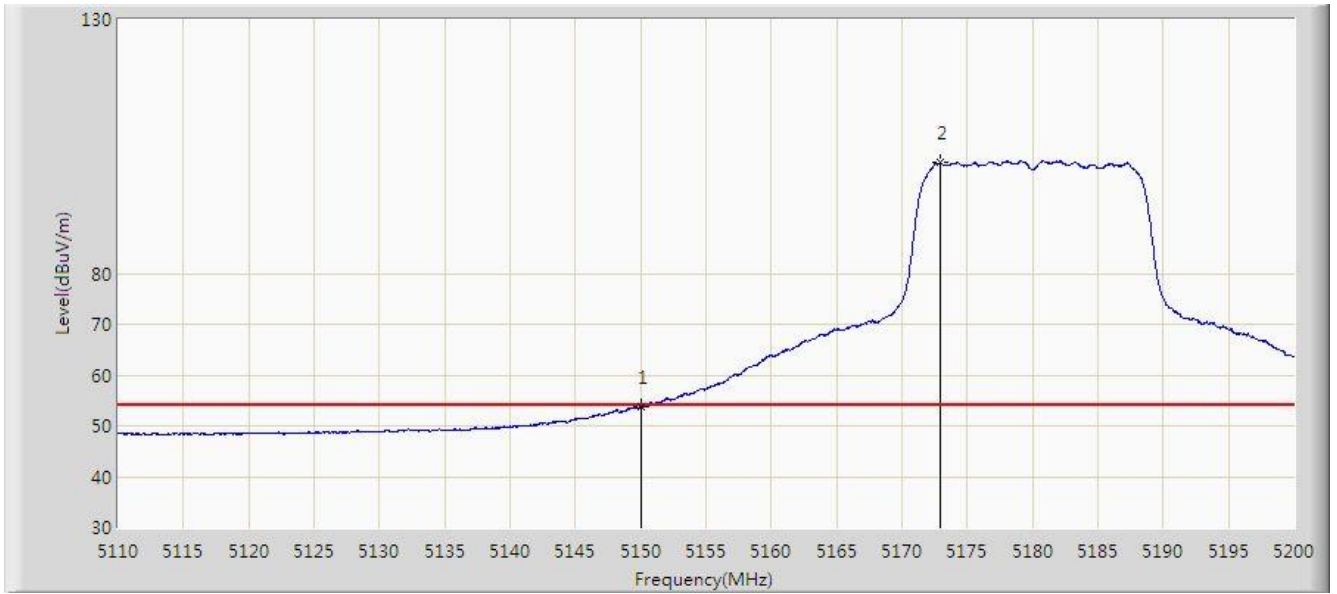


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5146.540	71.816	65.019	-2.184	74.000	6.798	PK
2			5150.000	67.020	60.221	-6.980	74.000	6.799	PK
3		*	5177.320	111.556	104.749	N/A	N/A	6.807	PK

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

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

Site: AC1	Time: 2019/11/30 - 01:05
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5180MHz	

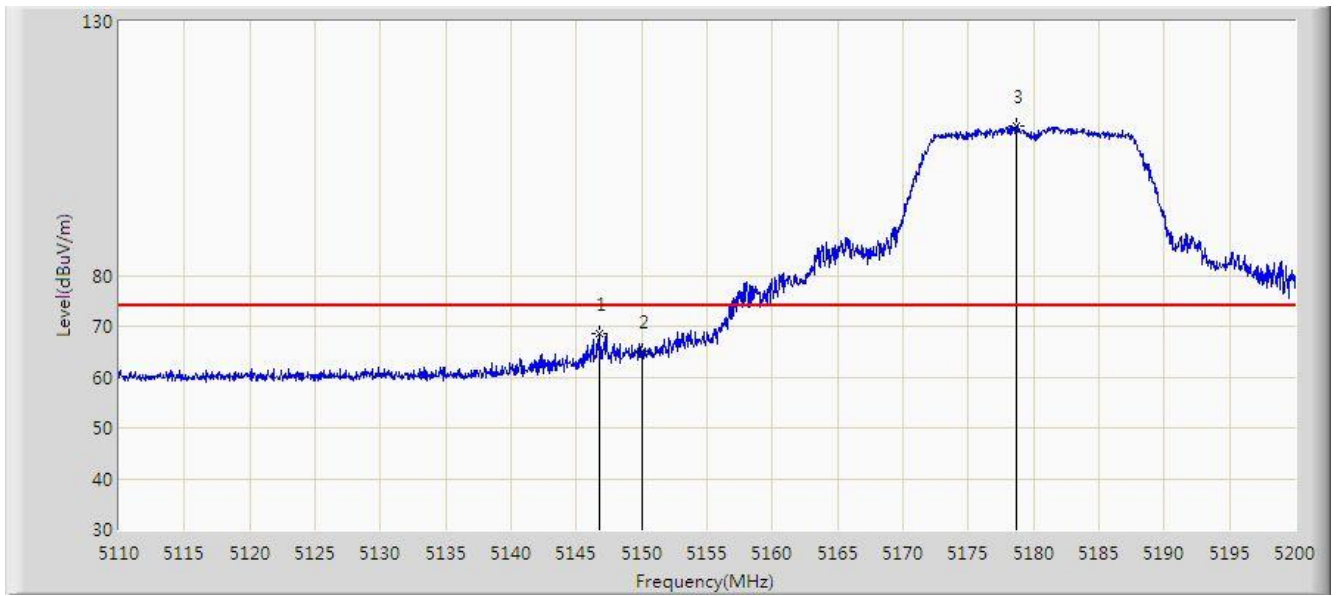


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.808	47.009	-0.192	54.000	6.799	AV
2		*	5172.910	101.895	95.071	N/A	N/A	6.824	AV

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

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

Site: AC1	Time: 2019/11/30 - 00:59
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5180MHz	

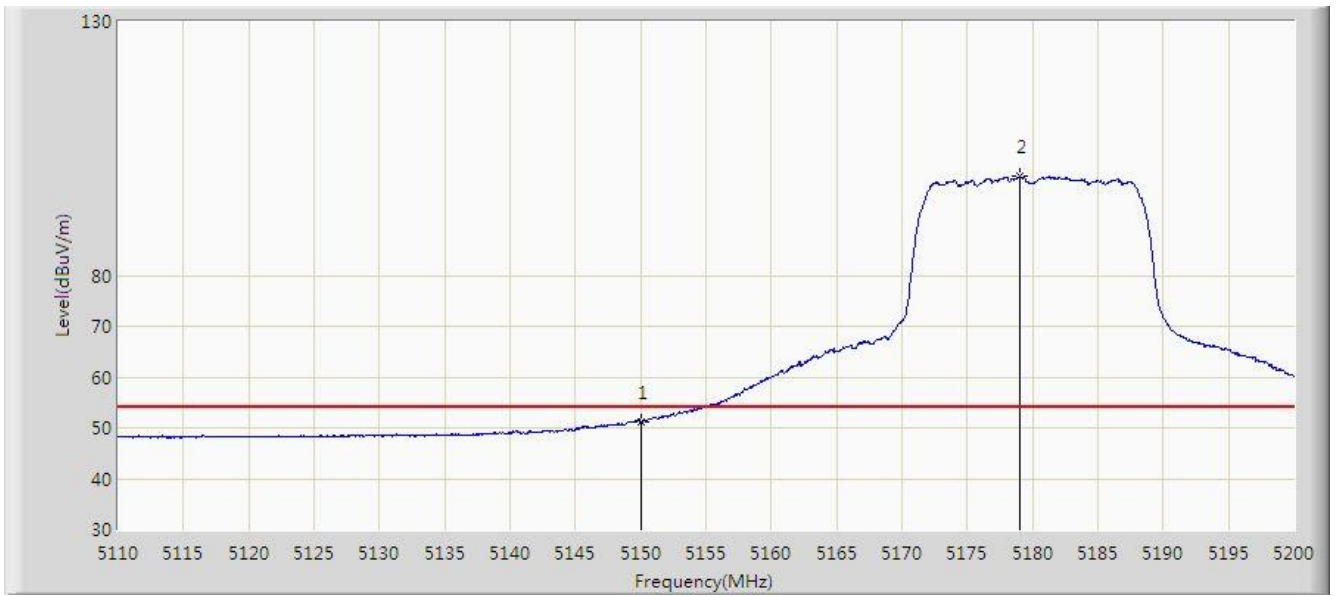


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5146.810	68.608	61.812	-5.392	74.000	6.796	PK
2			5150.000	64.955	58.156	-9.045	74.000	6.799	PK
3		*	5178.715	109.404	102.602	N/A	N/A	6.802	PK

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

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

Site: AC1	Time: 2019/11/30 - 00:42
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5180MHz	

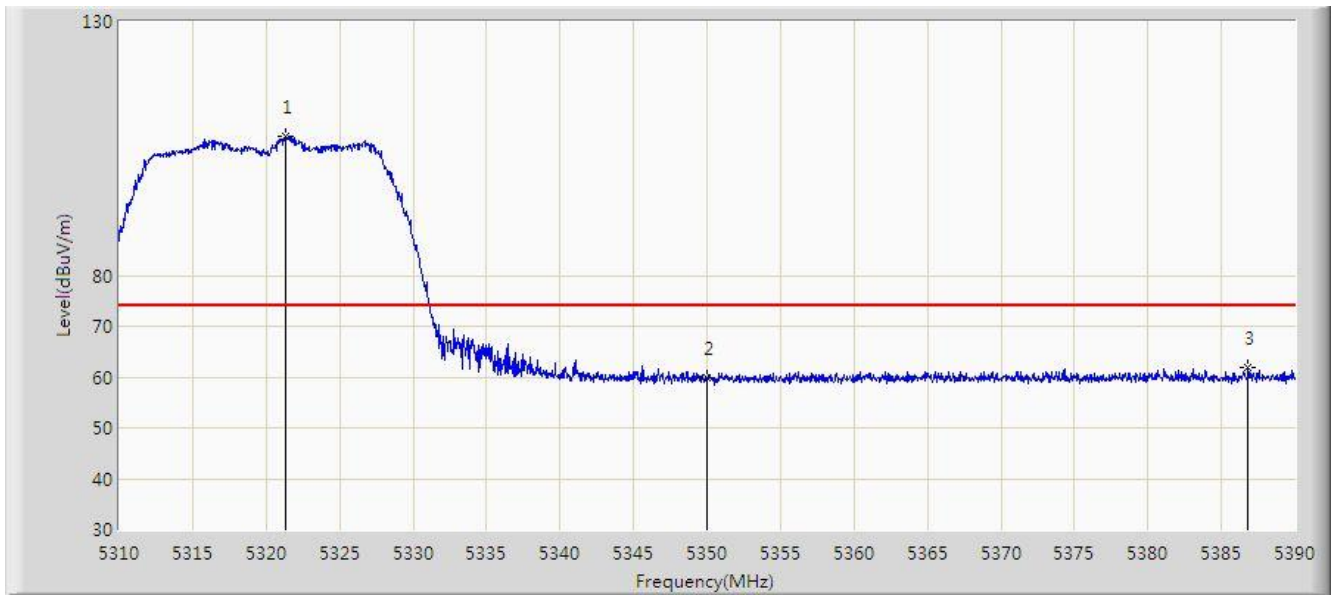


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.234	44.435	-2.766	54.000	6.799	AV
2		*	5179.075	99.440	92.639	N/A	N/A	6.800	AV

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

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

Site: AC1	Time: 2019/12/03 - 02:41
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5320MHz	

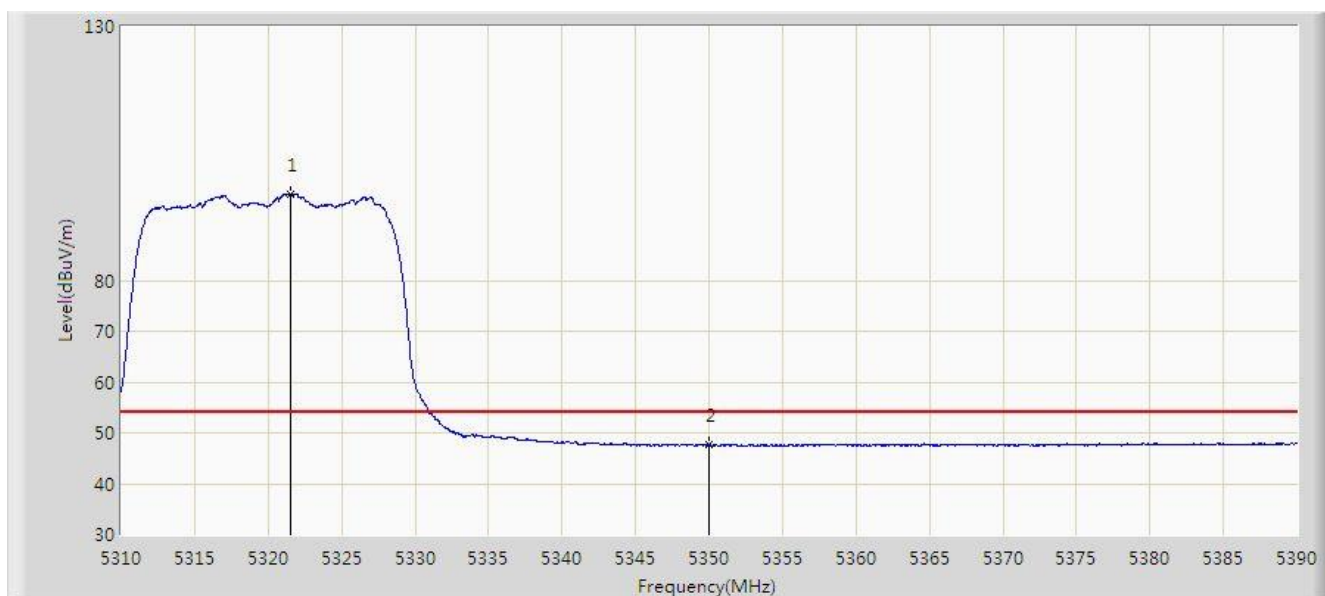


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5321.320	107.303	100.671	N/A	N/A	6.631	PK
2			5350.000	59.817	53.189	-14.183	74.000	6.629	PK
3			5386.800	61.910	55.158	-12.090	74.000	6.752	PK

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

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

Site: AC1	Time: 2019/12/03 - 02:45
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5320MHz	

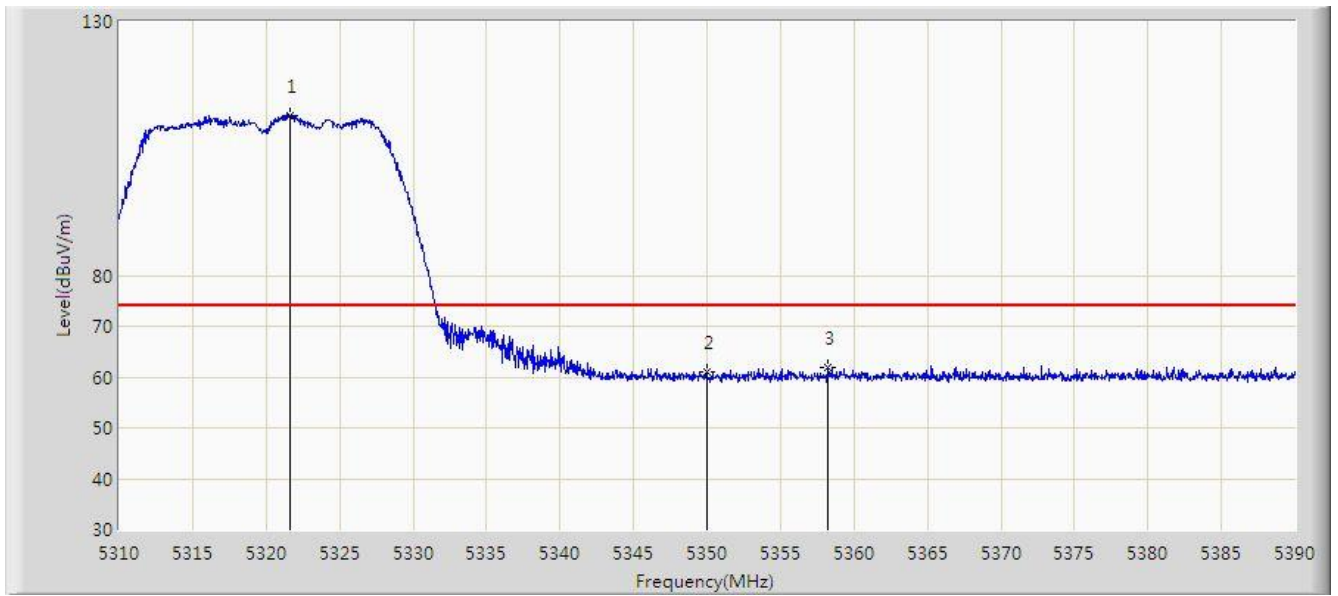


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5321.520	96.955	90.322	N/A	N/A	6.633	AV
2			5350.000	47.568	40.940	-6.432	54.000	6.629	AV

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

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

Site: AC1	Time: 2019/12/03 - 02:46
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5320MHz	

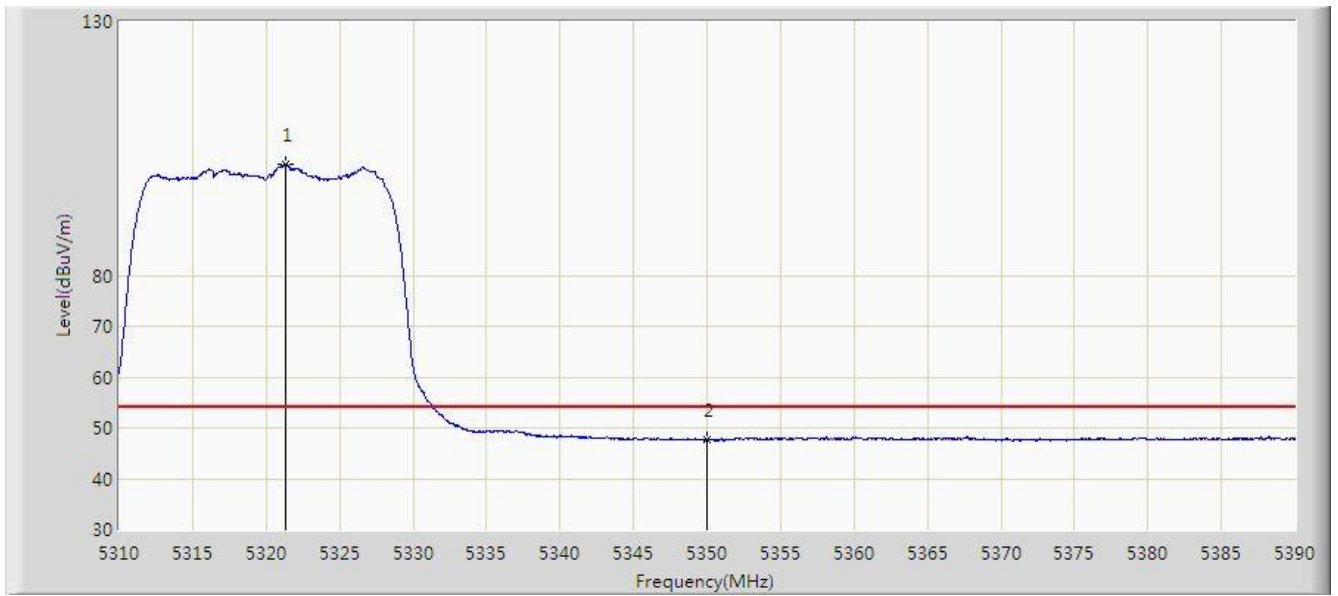


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5321.600	111.588	104.954	N/A	N/A	6.634	PK
2			5350.000	60.914	54.286	-13.086	74.000	6.629	PK
3			5358.240	62.019	55.412	-11.981	74.000	6.607	PK

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

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

Site: AC1	Time: 2019/12/03 - 02:48
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5320MHz	

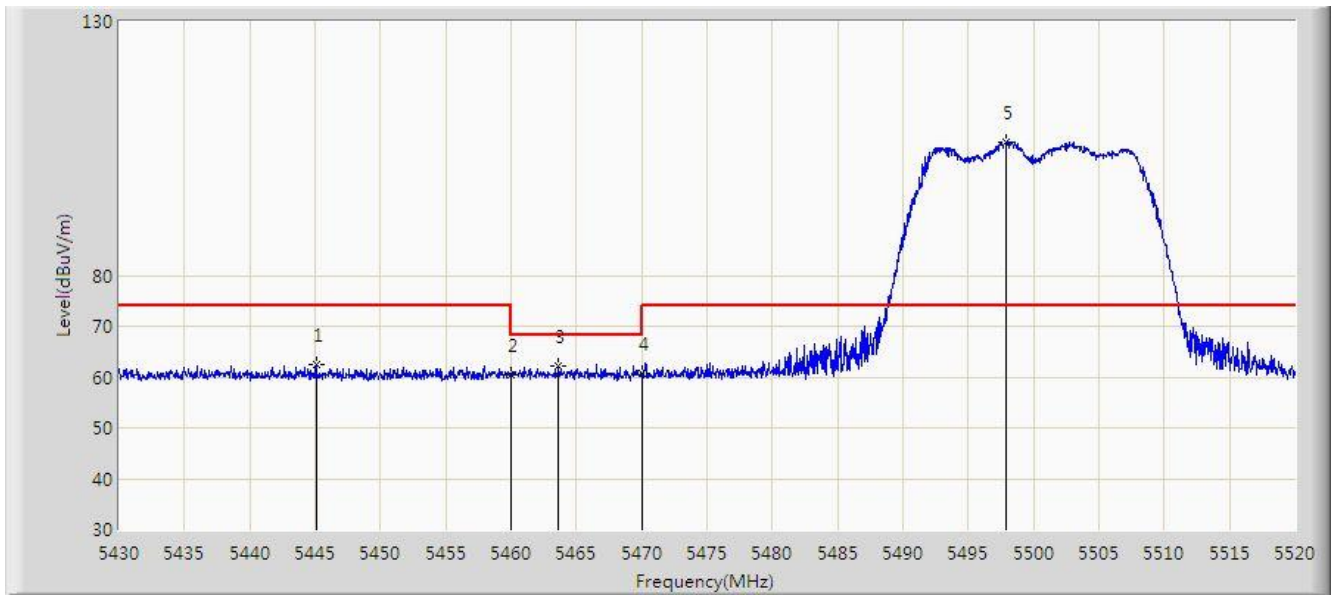


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5321.320	101.947	95.315	N/A	N/A	6.631	AV
2			5350.000	47.733	41.105	-6.267	54.000	6.629	AV

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

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

Site: AC1	Time: 2019/12/03 - 02:50
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5500MHz	

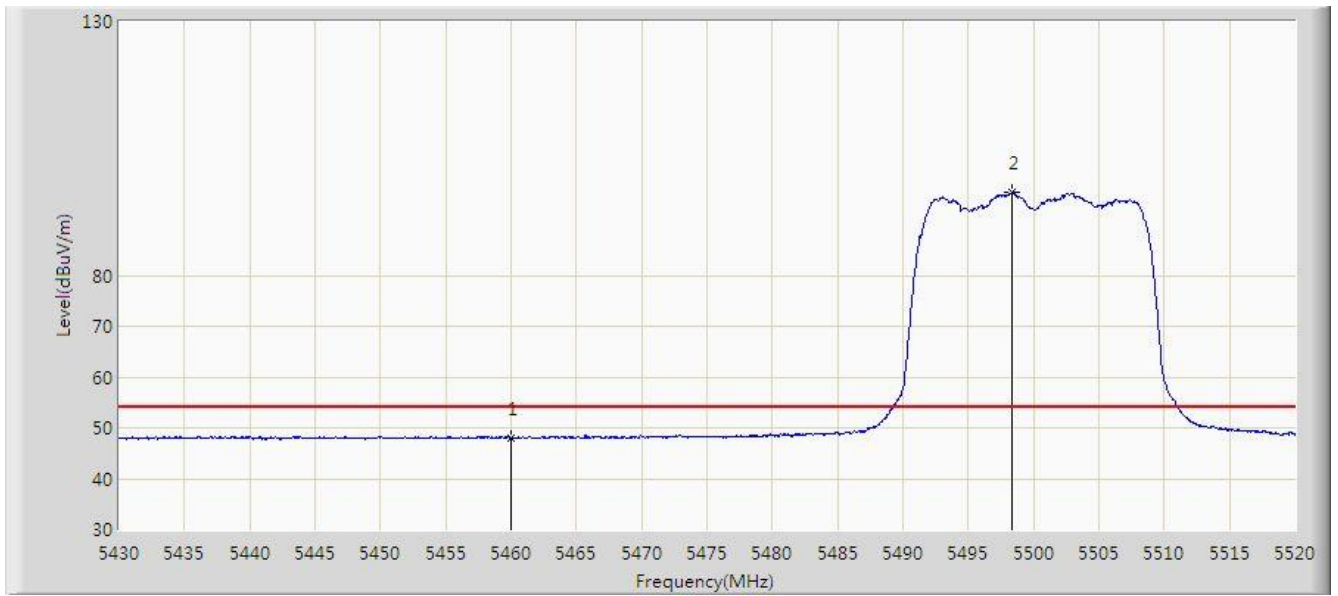


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5445.075	62.332	55.345	-11.668	74.000	6.987	PK
2			5460.000	60.400	53.423	-13.600	74.000	6.978	PK
3			5463.615	62.166	55.174	-6.034	68.200	6.991	PK
4			5470.000	60.594	53.577	-7.606	68.200	7.016	PK
5		*	5497.905	106.263	99.017	N/A	N/A	7.246	PK

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

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

Site: AC1	Time: 2019/12/03 - 02:52
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5500MHz	

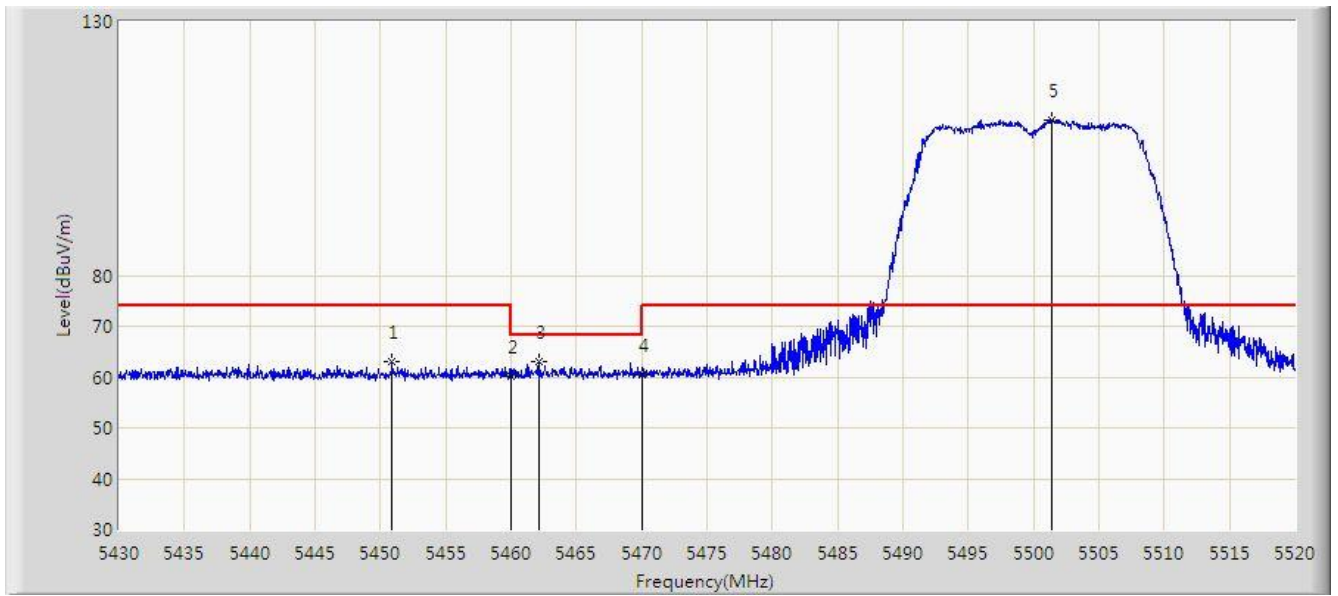


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	48.052	41.075	-5.948	54.000	6.978	AV
2		*	5498.400	96.371	89.120	N/A	N/A	7.251	AV

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

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

Site: AC1	Time: 2019/12/03 - 02:53
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5500MHz	

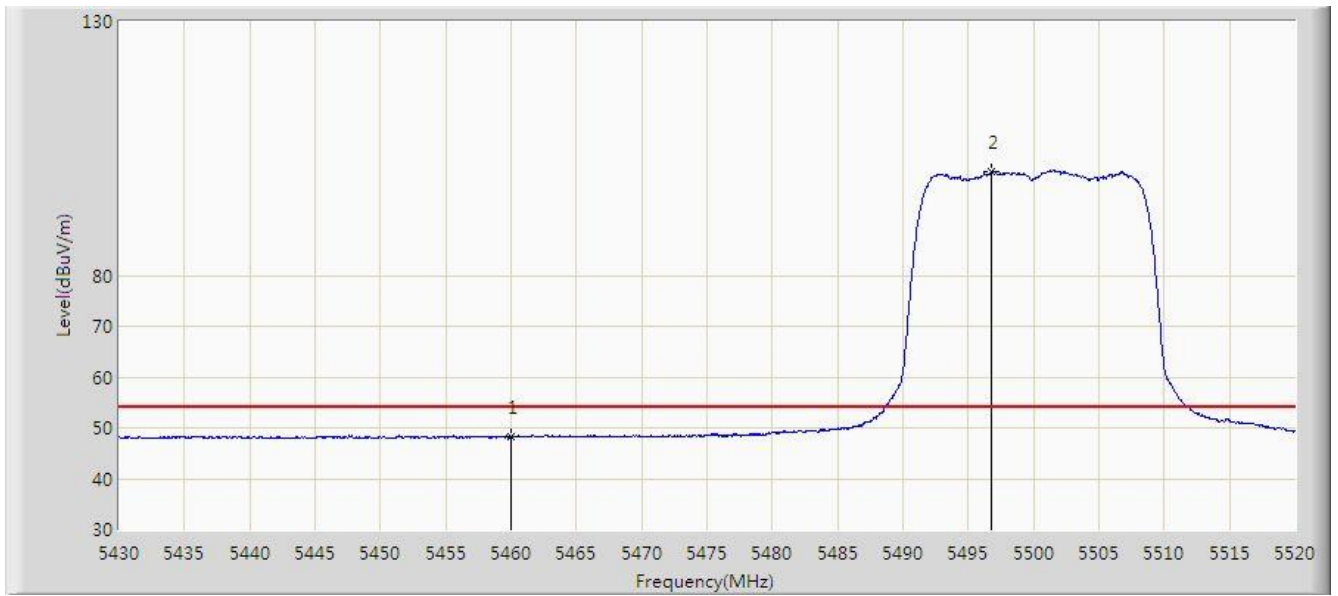


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5450.880	63.087	56.122	-10.913	74.000	6.966	PK
2			5460.000	60.232	53.255	-13.768	74.000	6.978	PK
3			5462.130	62.945	55.959	-5.255	68.200	6.986	PK
4			5470.000	60.290	53.273	-7.910	68.200	7.016	PK
5		*	5501.370	110.631	103.348	N/A	N/A	7.283	PK

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

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

Site: AC1	Time: 2019/12/03 - 02:54
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5500MHz	

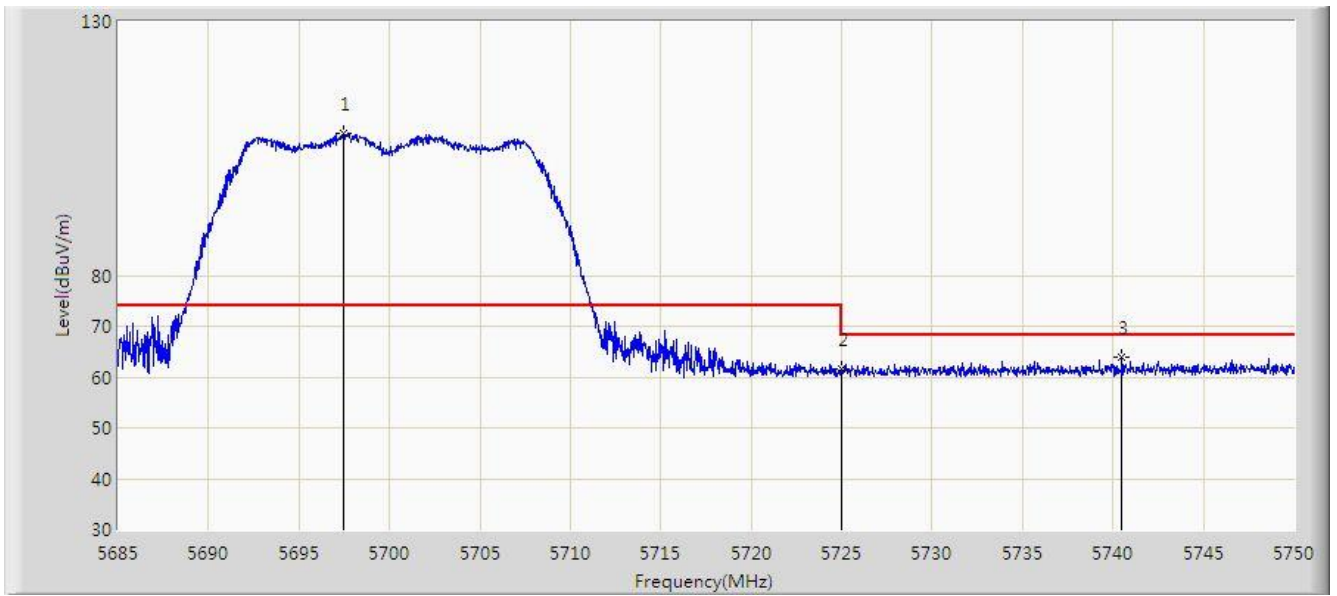


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	48.165	41.188	-5.835	54.000	6.978	AV
2		*	5496.780	100.414	93.180	N/A	N/A	7.234	AV

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

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

Site: AC1	Time: 2019/12/03 - 02:55
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5700MHz	

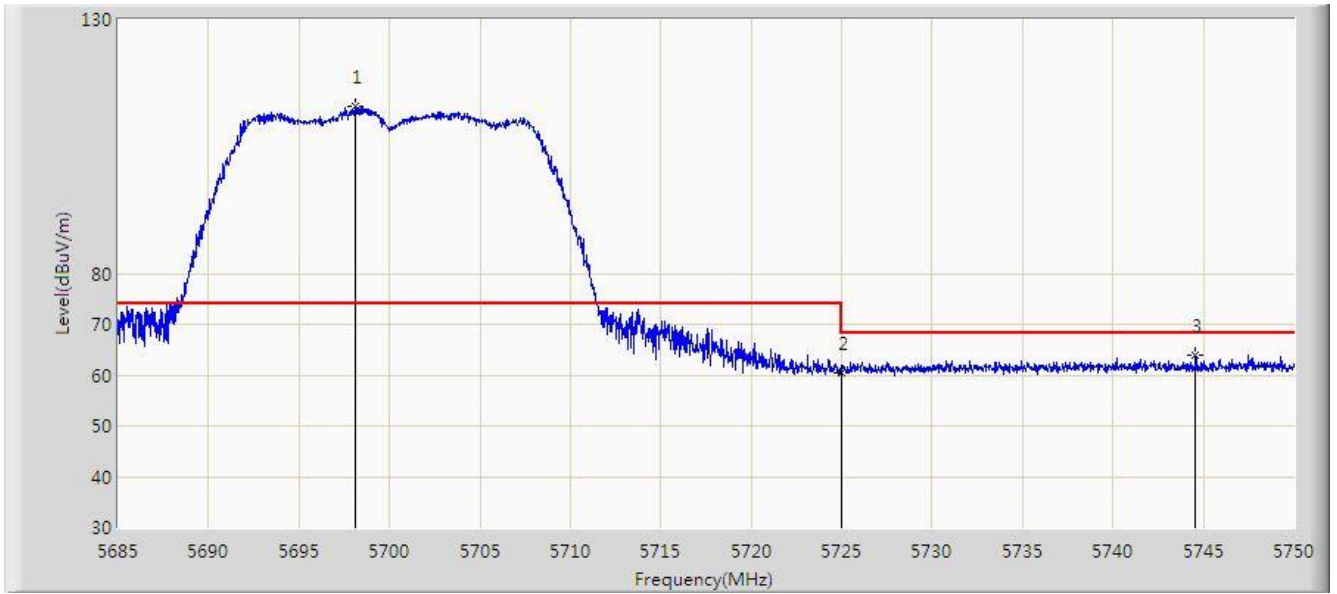


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5697.480	107.880	100.644	N/A	N/A	7.235	PK
2			5725.000	61.458	54.126	-6.742	68.200	7.332	PK
3			5740.510	63.796	56.366	-4.404	68.200	7.430	PK

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

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

Site: AC1	Time: 2019/12/03 - 02:57
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5700MHz	

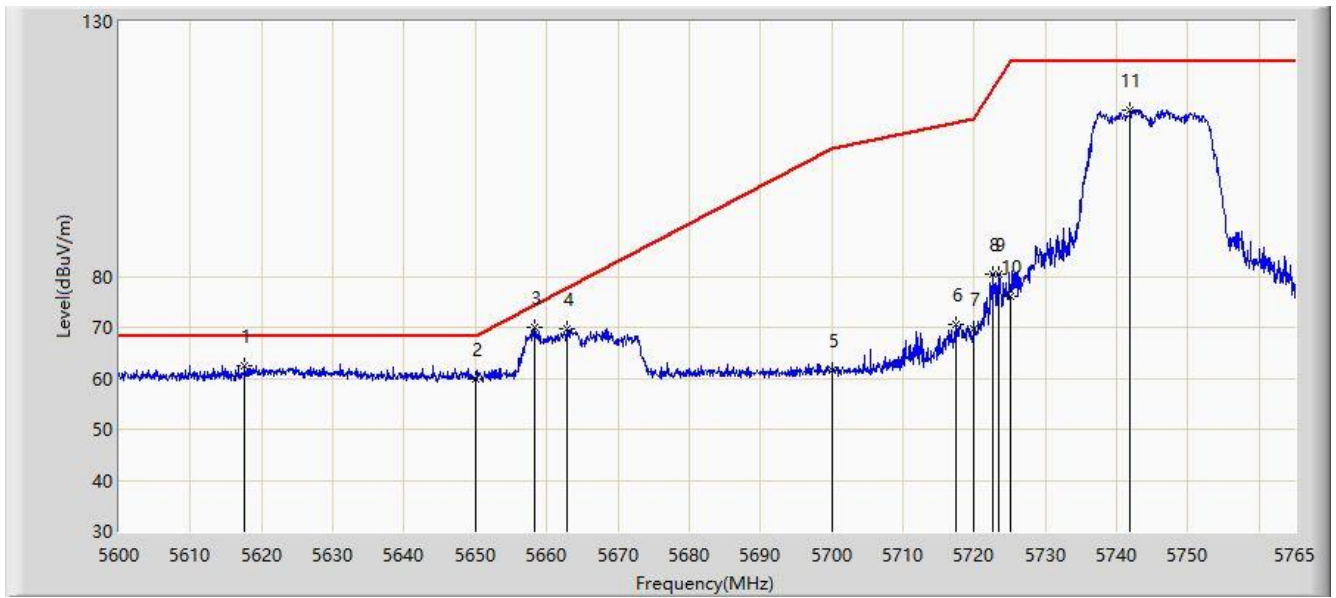


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5698.130	112.862	105.632	N/A	N/A	7.230	PK
2			5725.000	60.578	53.246	-7.622	68.200	7.332	PK
3			5744.572	63.879	56.435	-4.321	68.200	7.443	PK

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

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

Site: AC1	Time: 2019/12/03 - 08:36
Limit: FCC_Part 15.407_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5745MHz	

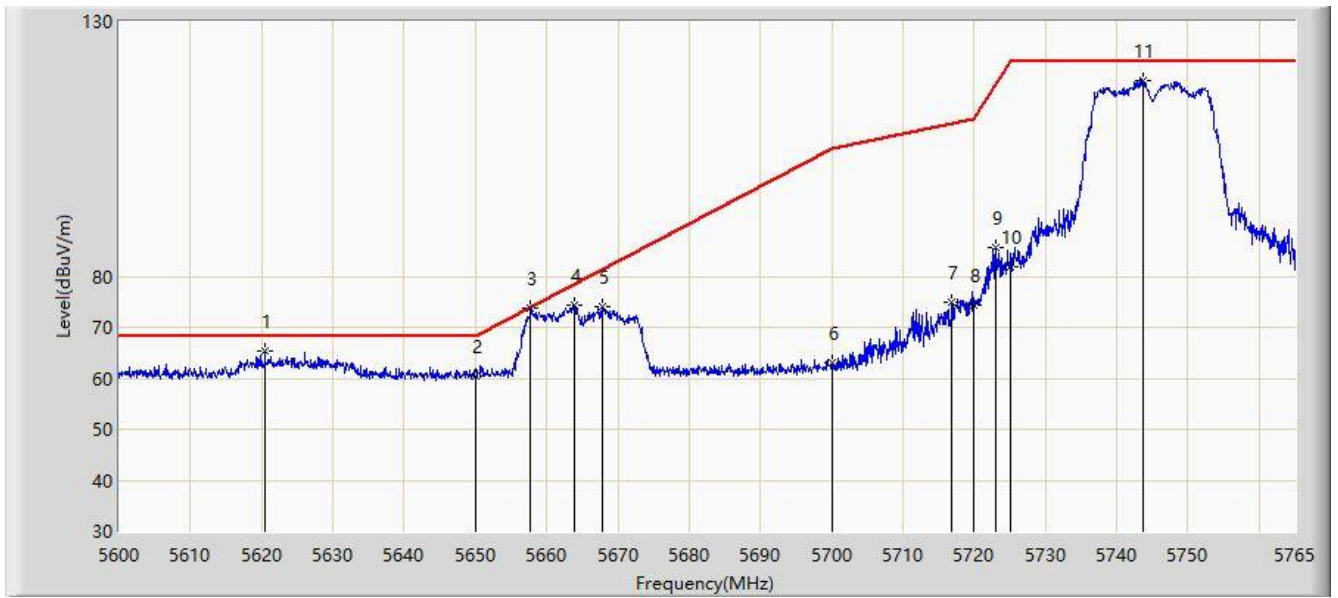


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5617.572	62.600	53.843	-5.600	68.200	8.756	PK
2			5650.000	59.831	52.691	-8.369	68.200	7.140	PK
3		*	5658.245	70.121	61.109	-4.203	74.324	9.011	PK
4			5662.947	69.722	60.702	-8.090	77.812	9.020	PK
5			5700.000	61.662	54.447	-43.538	105.200	7.215	PK
6			5717.397	70.662	61.654	-39.410	110.072	9.008	PK
7			5720.000	69.745	62.472	-41.055	110.800	7.273	PK
8			5722.513	80.295	71.243	-36.235	116.531	9.053	PK
9			5723.337	80.483	71.423	-37.927	118.409	9.060	PK
10			5725.000	75.982	68.650	-46.218	122.200	7.332	PK
11			5741.900	112.524	105.085	N/A	N/A	7.439	PK

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

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

Site: AC1	Time: 2019/12/03 - 08:35
Limit: FCC_Part 15.407_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5745MHz	

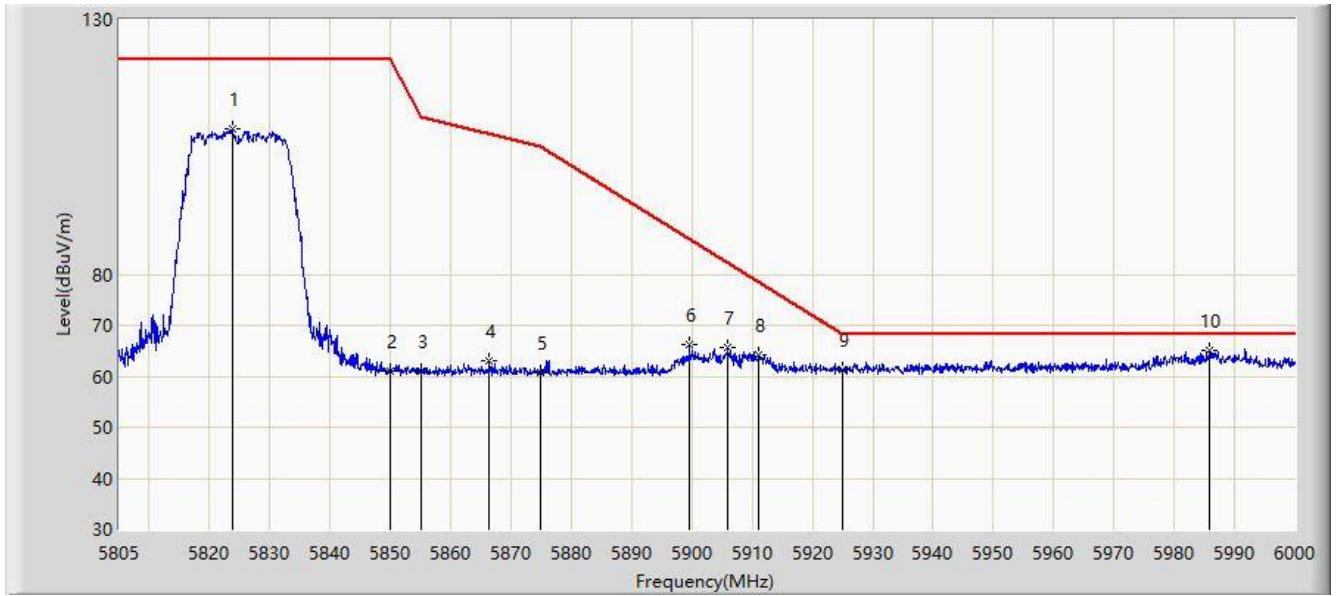


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5620.460	65.476	58.436	-2.724	68.200	7.040	PK
2			5650.000	60.479	53.339	-7.721	68.200	7.140	PK
3		*	5657.667	73.822	64.815	-0.073	73.895	9.007	PK
4			5663.855	74.335	65.313	-4.151	78.485	9.022	PK
5			5667.897	73.967	64.938	-7.514	81.481	9.030	PK
6			5700.000	62.902	55.687	-42.298	105.200	7.215	PK
7			5716.820	75.023	66.020	-34.888	109.911	9.003	PK
8			5720.000	74.471	67.198	-36.329	110.800	7.273	PK
9			5723.090	85.687	76.630	-32.159	117.846	9.057	PK
10			5725.000	81.920	74.588	-40.280	122.200	7.332	PK
11			5743.632	118.374	110.929	N/A	N/A	7.445	PK

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

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

Site: AC1	Time: 2019/12/03 - 08:41
Limit: FCC_Part 15.407_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5825MHz	

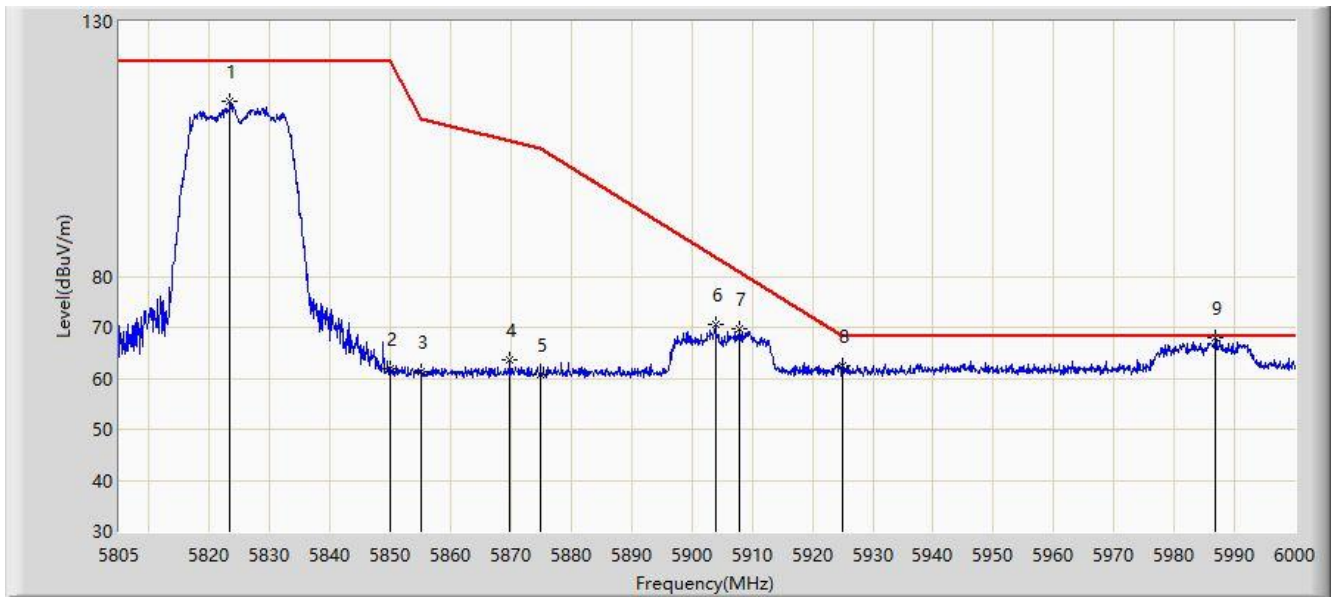


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5823.720	108.551	100.863	N/A	N/A	7.688	PK
2			5850.000	60.938	53.246	-61.262	122.200	7.692	PK
3			5855.000	60.923	53.279	-49.877	110.800	7.644	PK
4			5866.425	62.990	53.694	-44.608	107.599	9.296	PK
5			5875.000	60.808	53.206	-44.392	105.200	7.602	PK
6			5899.575	66.166	56.639	-20.809	86.975	9.527	PK
7			5905.913	65.605	56.016	-16.682	82.287	9.589	PK
8			5911.080	64.321	54.681	-14.149	78.469	9.640	PK
9			5925.000	61.282	53.456	-6.918	68.200	7.826	PK
10		*	5985.862	65.056	57.279	-3.144	68.200	7.777	PK

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

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

Site: AC1	Time: 2019/12/03 - 08:40
Limit: FCC_Part 15.407_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5825MHz	

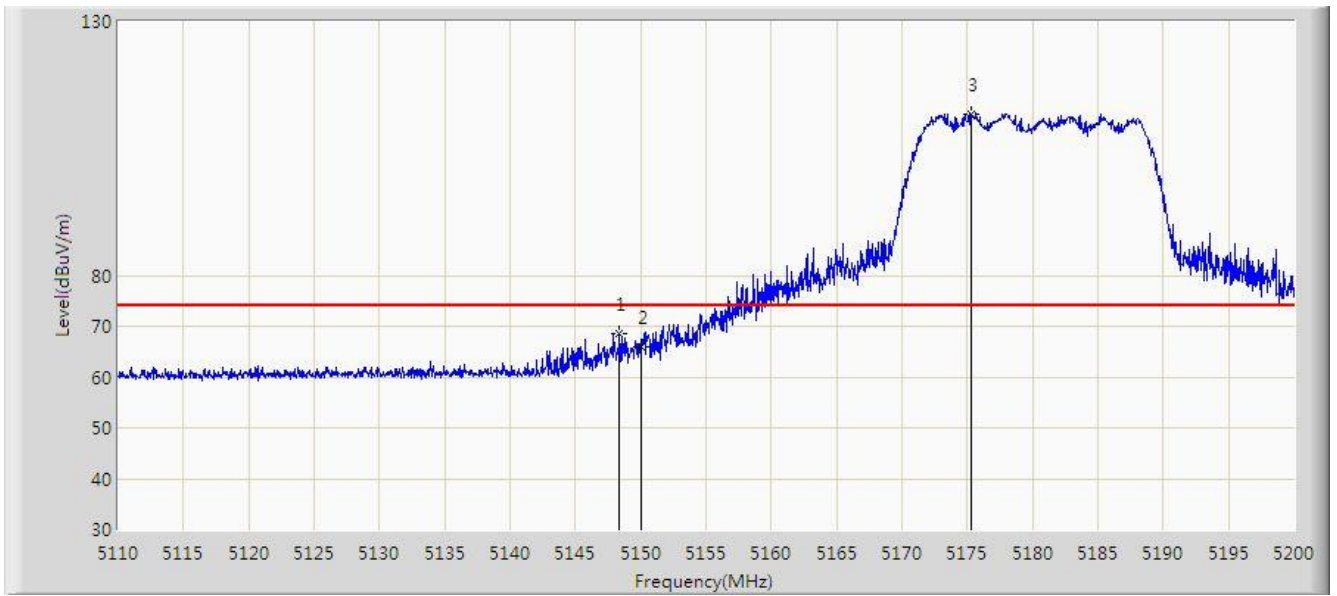


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5823.330	114.269	106.588	N/A	N/A	7.680	PK
2			5850.000	62.017	54.325	-60.183	122.200	7.692	PK
3			5855.000	61.392	53.748	-49.408	110.800	7.644	PK
4			5869.837	63.636	54.306	-43.008	106.644	9.330	PK
5			5875.000	60.869	53.267	-44.331	105.200	7.602	PK
6			5903.865	70.627	61.058	-13.175	83.802	9.569	PK
7			5907.765	69.729	60.122	-11.189	80.919	9.608	PK
8			5925.000	62.573	54.747	-5.627	68.200	7.826	PK
9		*	5986.837	67.881	60.092	-0.319	68.200	7.788	PK

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

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

Site: AC1	Time: 2019/11/30 - 02:14
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz	

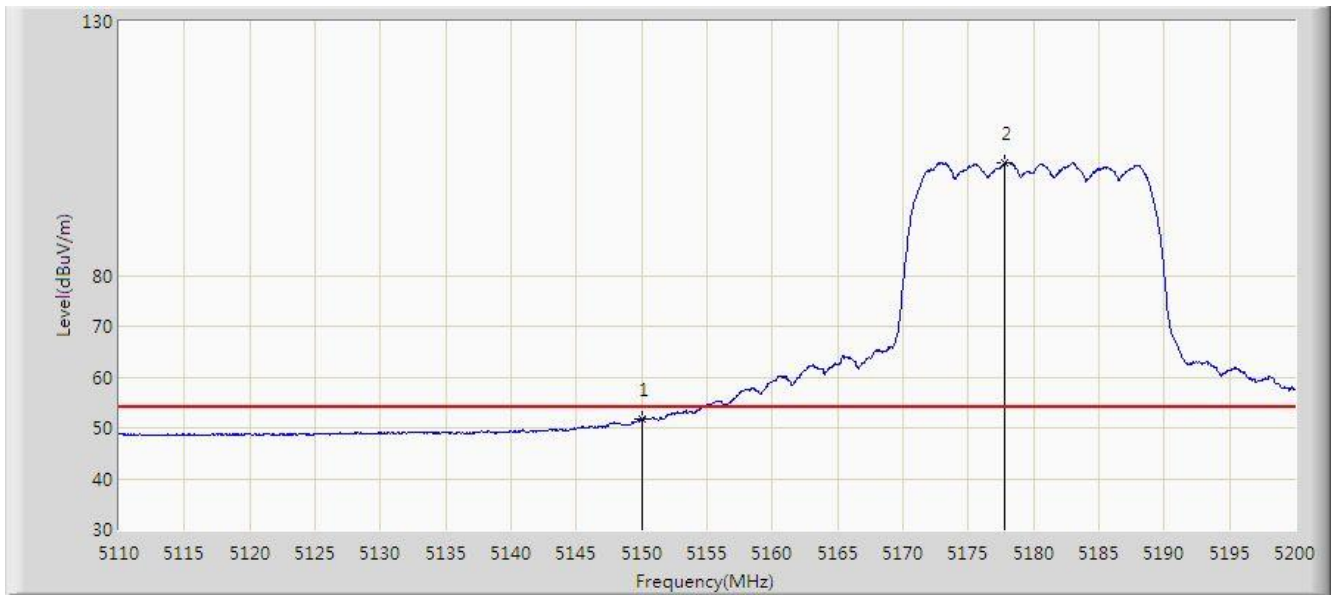


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.340	68.566	61.773	-5.434	74.000	6.793	PK
2			5150.000	66.015	59.216	-7.985	74.000	6.799	PK
3		*	5175.250	111.881	105.066	N/A	N/A	6.815	PK

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

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

Site: AC1	Time: 2019/11/30 - 02:16
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz	

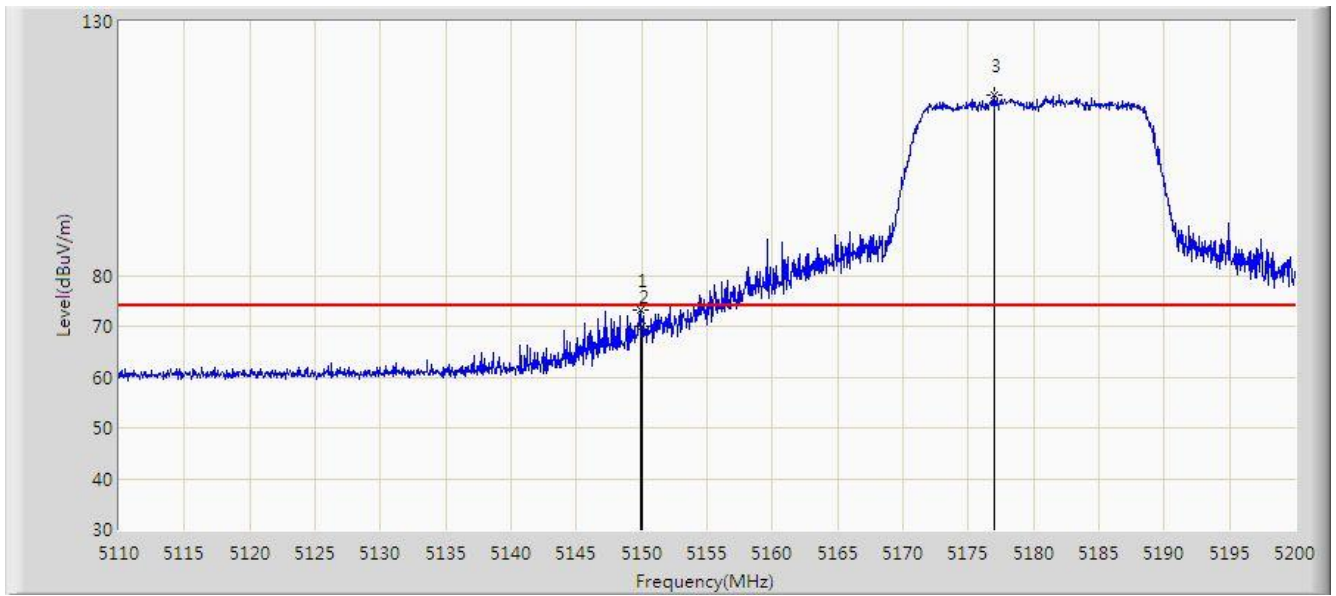


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.724	44.925	-2.276	54.000	6.799	AV
2		*	5177.815	102.267	95.462	N/A	N/A	6.806	AV

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

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

Site: AC1	Time: 2019/11/30 - 02:09
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz	

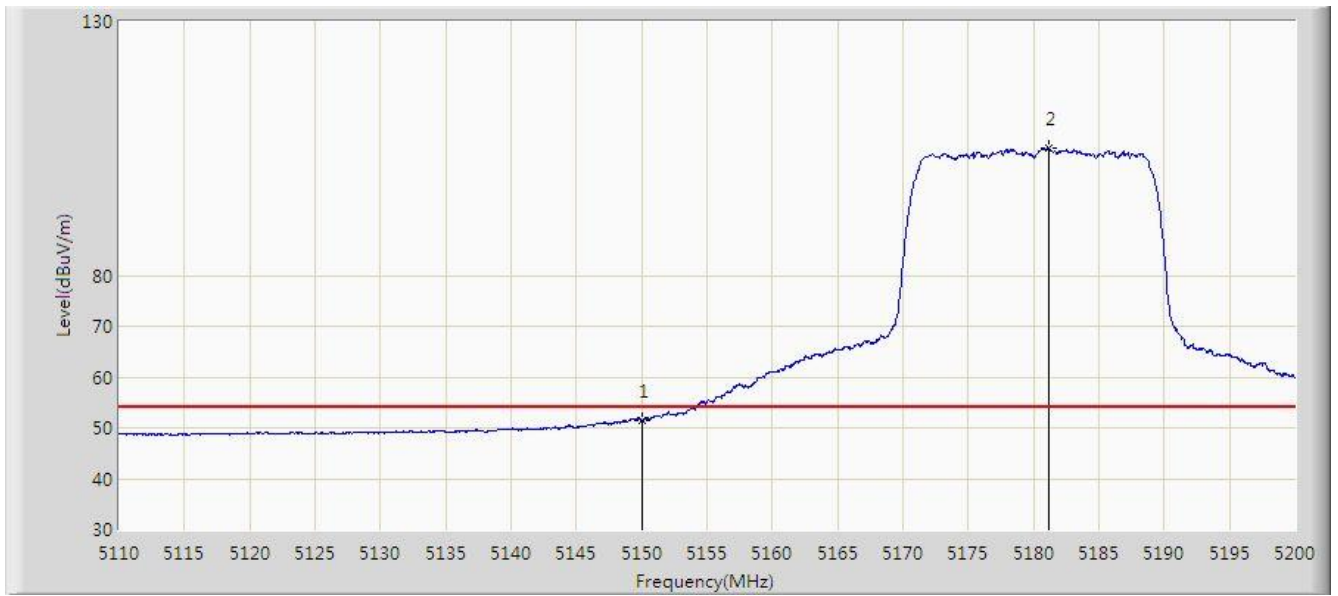


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.870	73.056	66.257	-0.944	74.000	6.799	PK
2			5150.000	70.083	63.284	-3.917	74.000	6.799	PK
3		*	5176.960	115.426	108.617	N/A	N/A	6.809	PK

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

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

Site: AC1	Time: 2019/11/30 - 02:11
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz	

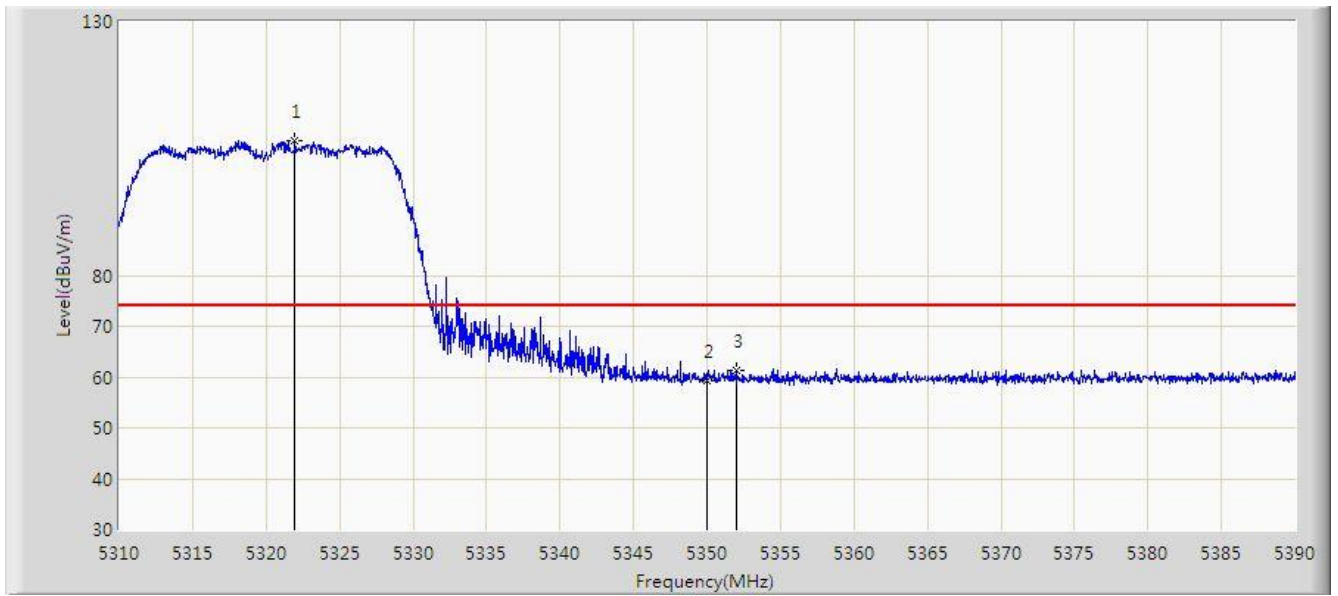


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.539	44.740	-2.461	54.000	6.799	AV
2		*	5181.145	105.017	98.224	N/A	N/A	6.792	AV

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

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

Site: AC1	Time: 2019/12/03 - 02:58
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5320MHz	

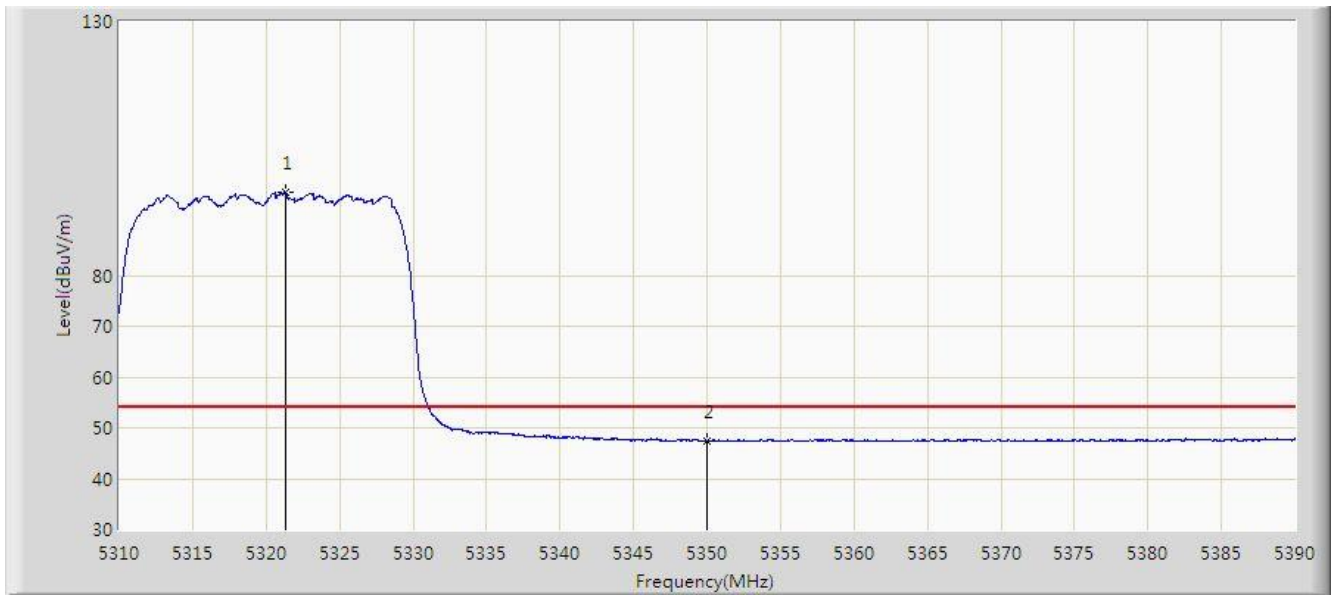


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5321.920	106.625	99.989	N/A	N/A	6.636	PK
2			5350.000	59.294	52.666	-14.706	74.000	6.629	PK
3			5351.960	61.227	54.611	-12.773	74.000	6.616	PK

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

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

Site: AC1	Time: 2019/12/03 - 03:01
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5320MHz	

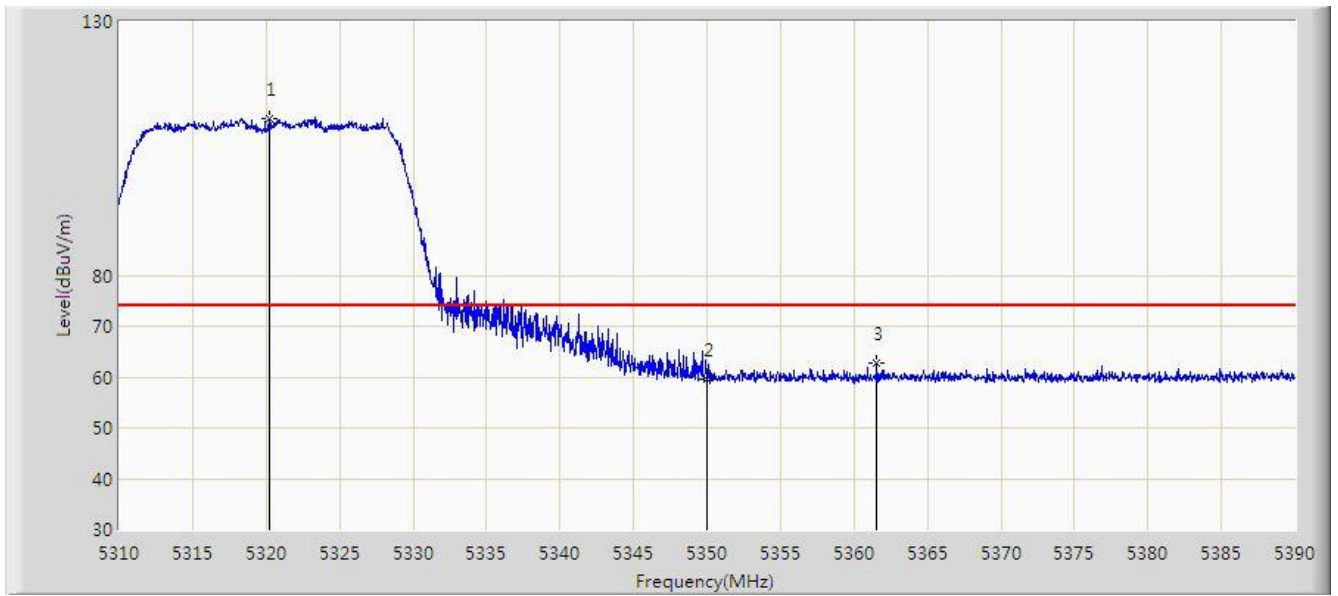


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5321.280	96.249	89.618	N/A	N/A	6.631	AV
2			5350.000	47.412	40.784	-6.588	54.000	6.629	AV

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

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

Site: AC1	Time: 2019/12/03 - 03:01
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5320MHz	

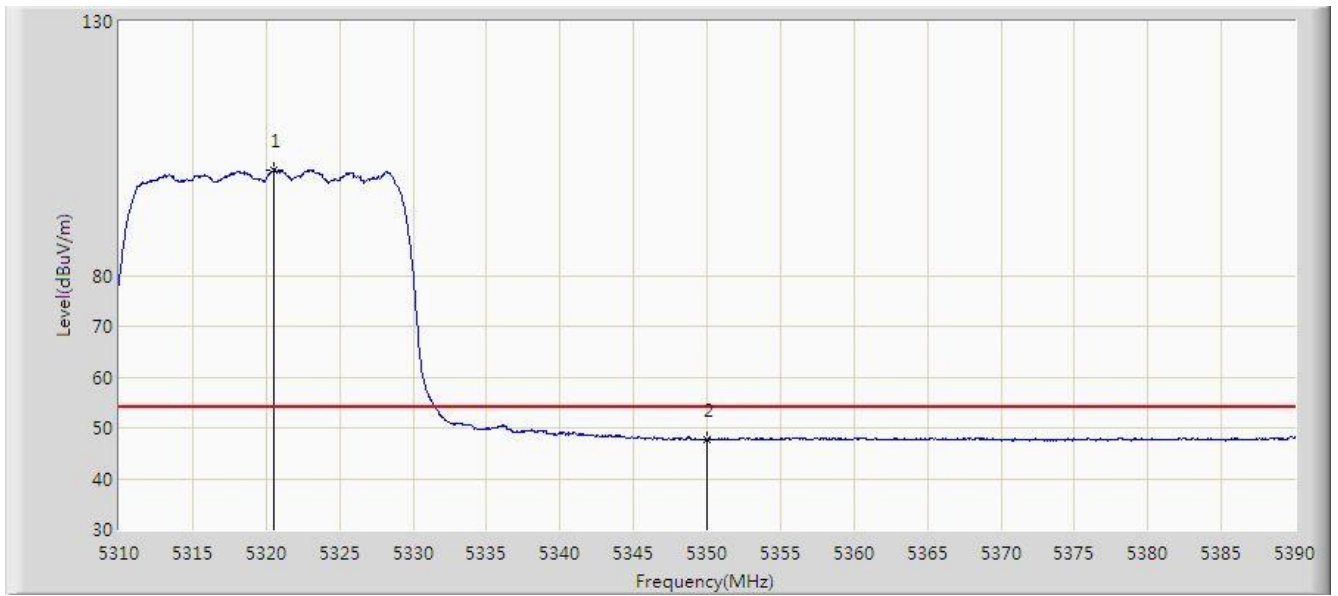


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5320.240	110.988	104.364	N/A	N/A	6.624	PK
2			5350.000	59.648	53.020	-14.352	74.000	6.629	PK
3			5361.560	62.703	56.100	-11.297	74.000	6.602	PK

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

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

Site: AC1	Time: 2019/12/03 - 03:03
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5320MHz	

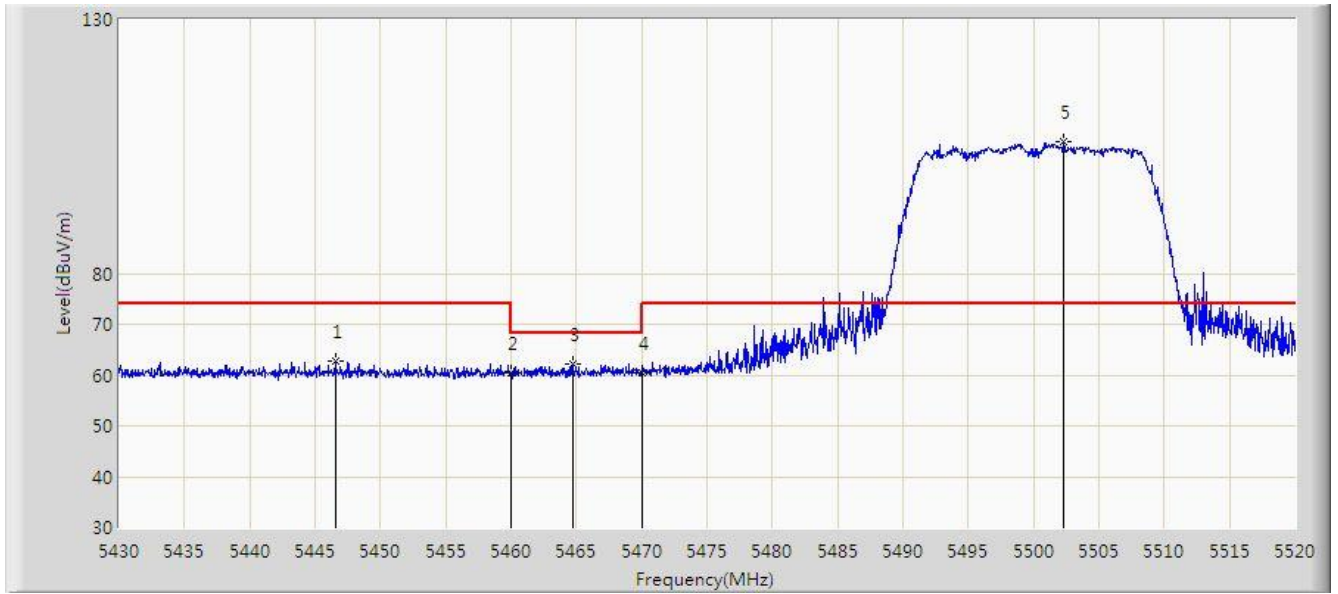


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5320.480	100.758	94.132	N/A	N/A	6.626	AV
2			5350.000	47.573	40.945	-6.427	54.000	6.629	AV

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

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

Site: AC1	Time: 2019/12/03 - 03:04
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5500MHz	

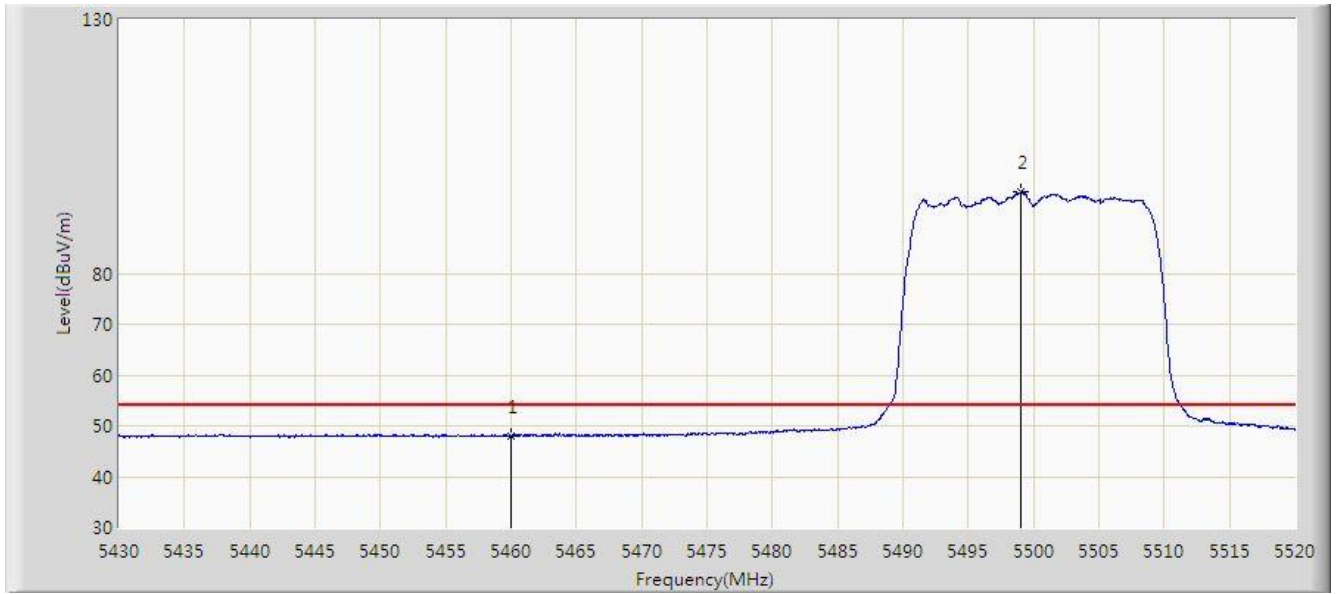


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5446.560	62.831	55.850	-11.169	74.000	6.980	PK
2			5460.000	60.383	53.406	-13.617	74.000	6.978	PK
3			5464.740	62.119	55.123	-6.081	68.200	6.996	PK
4			5470.000	60.447	53.430	-7.753	68.200	7.016	PK
5		*	5502.315	106.045	98.752	N/A	N/A	7.293	PK

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

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

Site: AC1	Time: 2019/12/03 - 03:06
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5500MHz	

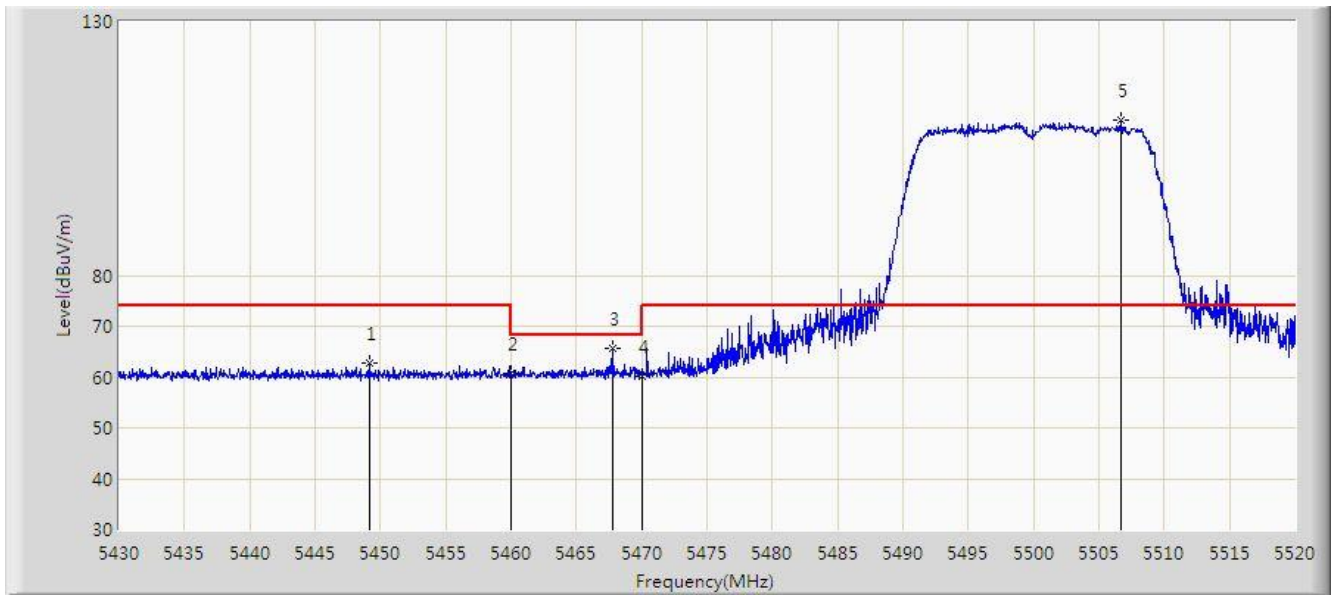


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	48.056	41.079	-5.944	54.000	6.978	AV
2		*	5499.075	96.000	88.741	N/A	N/A	7.259	AV

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

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

Site: AC1	Time: 2019/12/03 - 03:07
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5500MHz	

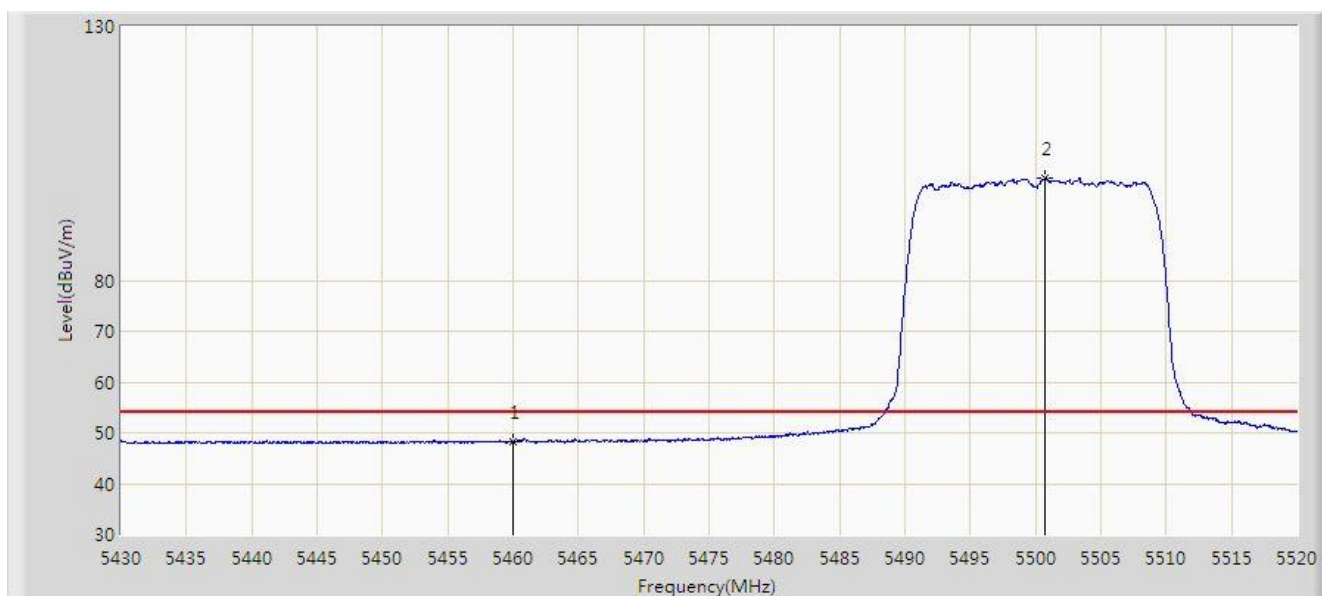


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5449.170	62.724	55.753	-11.276	74.000	6.972	PK
2			5460.000	60.720	53.743	-13.280	74.000	6.978	PK
3			5467.755	65.740	58.732	-2.460	68.200	7.009	PK
4			5470.000	60.236	53.219	-7.964	68.200	7.016	PK
5		*	5506.680	110.481	103.184	N/A	N/A	7.296	PK

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

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

Site: AC1	Time: 2019/12/03 - 03:09
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5500MHz	

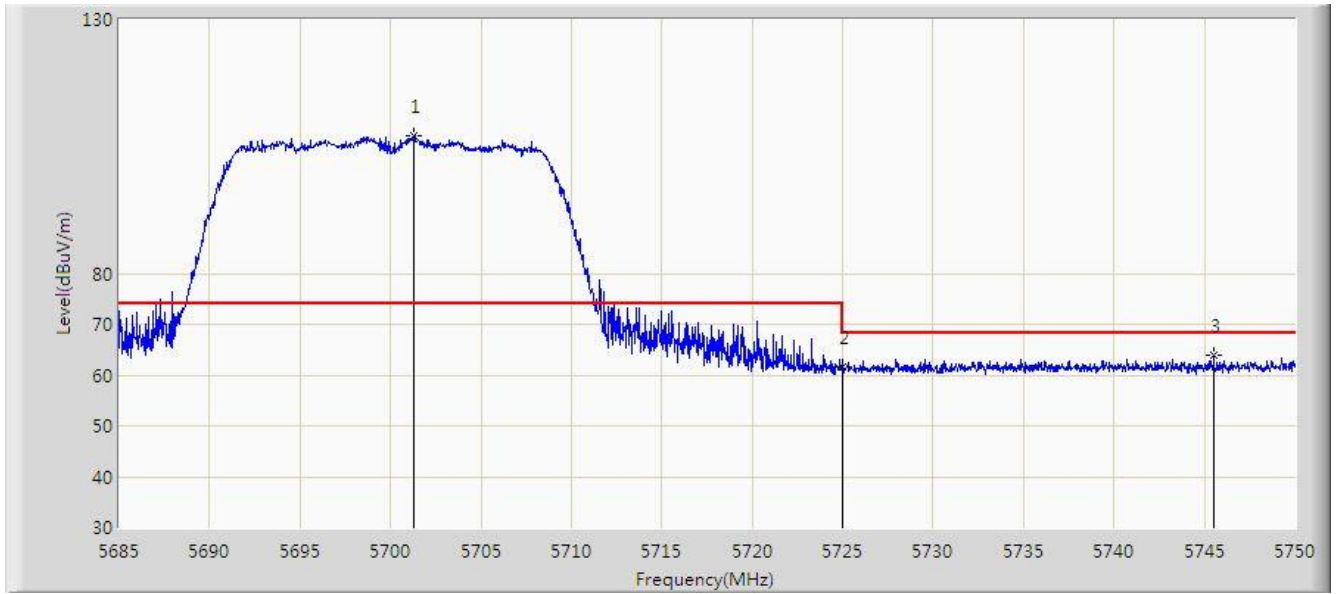


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	48.340	41.363	-5.660	54.000	6.978	AV
2		*	5500.695	100.090	92.814	N/A	N/A	7.276	AV

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

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

Site: AC1	Time: 2019/12/03 - 03:10
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5700MHz	

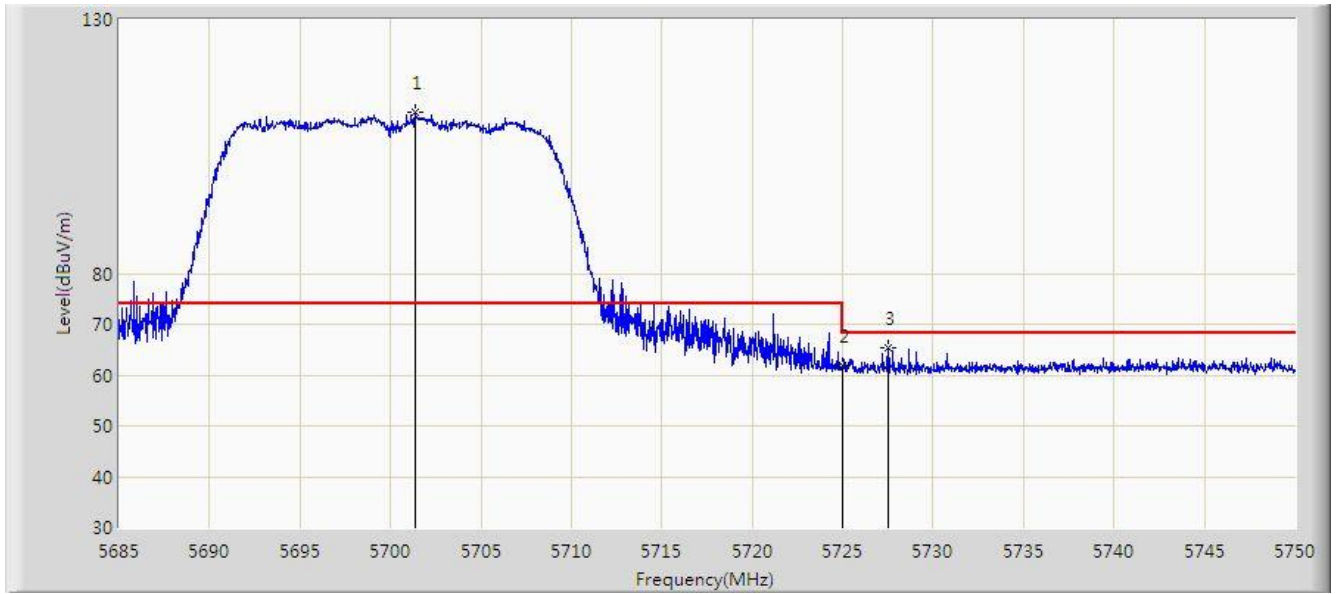


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5701.250	106.966	99.761	N/A	N/A	7.205	PK
2			5725.000	61.738	54.406	-6.462	68.200	7.332	PK
3			5745.515	63.980	56.537	-4.220	68.200	7.443	PK

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

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

Site: AC1	Time: 2019/12/03 - 03:12
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5700MHz	

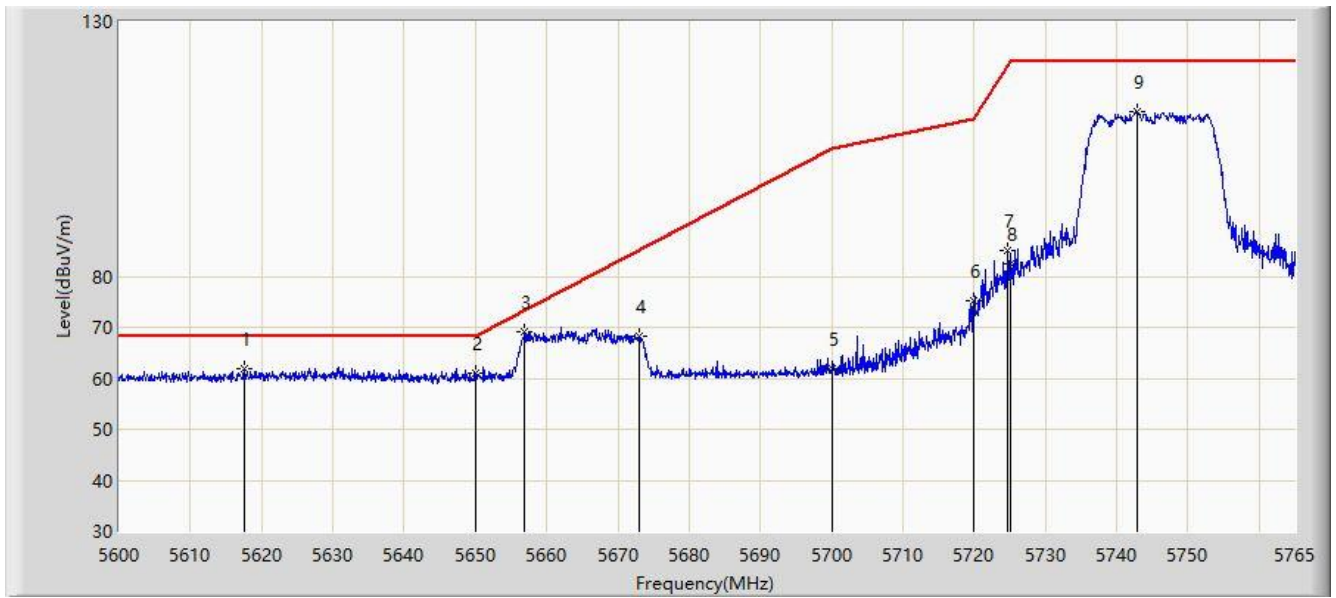


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5701.380	111.626	104.422	N/A	N/A	7.204	PK
2			5725.000	61.923	54.591	-6.277	68.200	7.332	PK
3			5727.542	65.481	58.128	-2.719	68.200	7.353	PK

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

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

Site: AC1	Time: 2019/11/30 - 02:21
Limit: FCC_Part 15.407_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5745MHz	

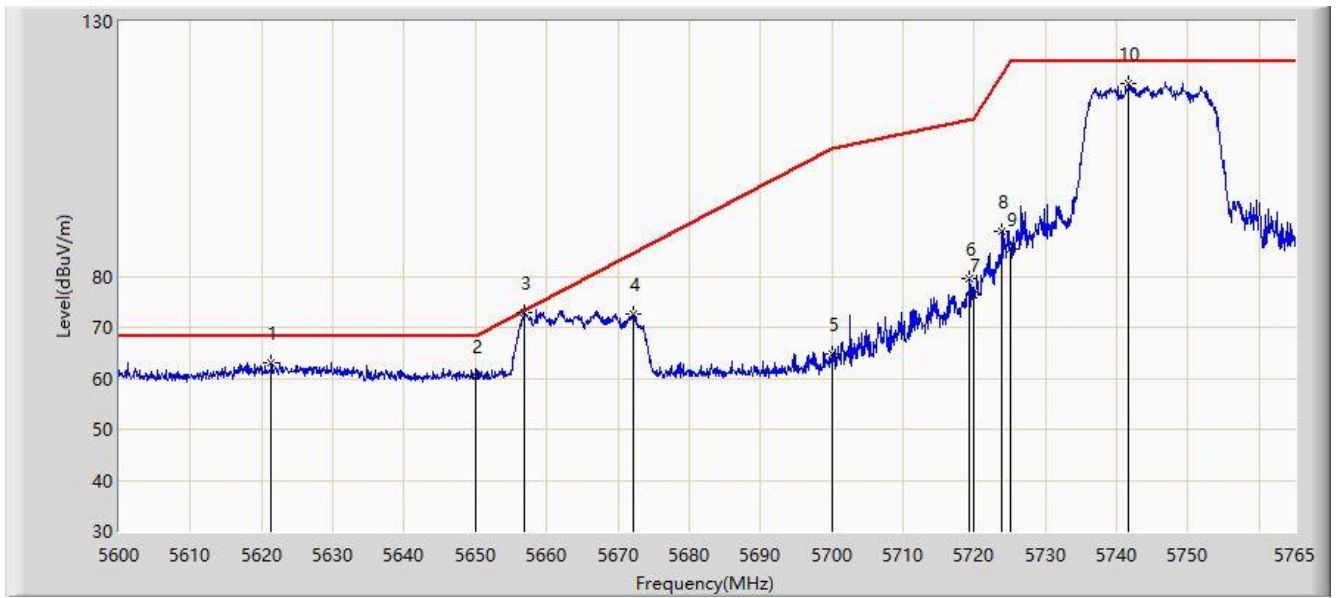


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5617.490	62.027	54.980	-6.173	68.200	7.047	PK
2			5650.000	60.872	53.732	-7.328	68.200	7.140	PK
3		*	5656.925	69.123	61.834	-4.221	73.344	7.289	PK
4			5673.013	68.389	61.076	-16.881	85.270	7.313	PK
5			5700.000	61.816	54.601	-43.384	105.200	7.215	PK
6			5720.000	75.286	68.013	-35.514	110.800	7.273	PK
7			5724.740	85.116	76.044	-36.492	121.607	9.071	PK
8			5725.000	82.559	75.227	-39.641	122.200	7.332	PK
9			5742.808	112.267	104.823	N/A	N/A	7.444	PK

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

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

Site: AC1	Time: 2019/11/30 - 02:20
Limit: FCC_Part 15.407_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5745MHz	

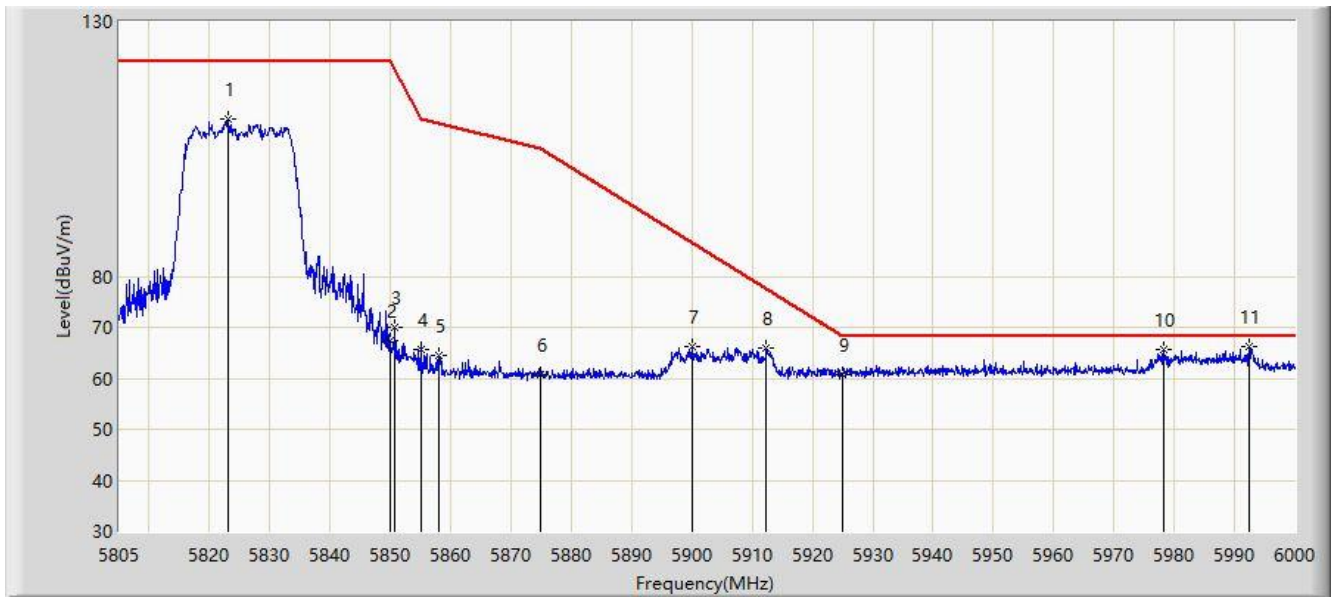


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5621.285	63.143	56.105	-5.057	68.200	7.038	PK
2			5650.000	60.342	53.202	-7.858	68.200	7.140	PK
3		*	5656.925	72.824	65.535	-0.520	73.344	7.289	PK
4			5672.105	72.576	65.263	-12.022	84.598	7.313	PK
5			5700.000	64.696	57.481	-40.504	105.200	7.215	PK
6			5719.377	79.496	70.471	-31.130	110.626	9.025	PK
7			5720.000	76.303	69.030	-34.497	110.800	7.273	PK
8			5723.833	88.925	79.861	-30.615	119.540	9.064	PK
9			5725.000	85.412	78.080	-36.788	122.200	7.332	PK
10			5741.735	117.898	110.460	N/A	N/A	7.438	PK

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

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

Site: AC1	Time: 2019/11/30 - 02:28
Limit: FCC_Part 15.407_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5825MHz	

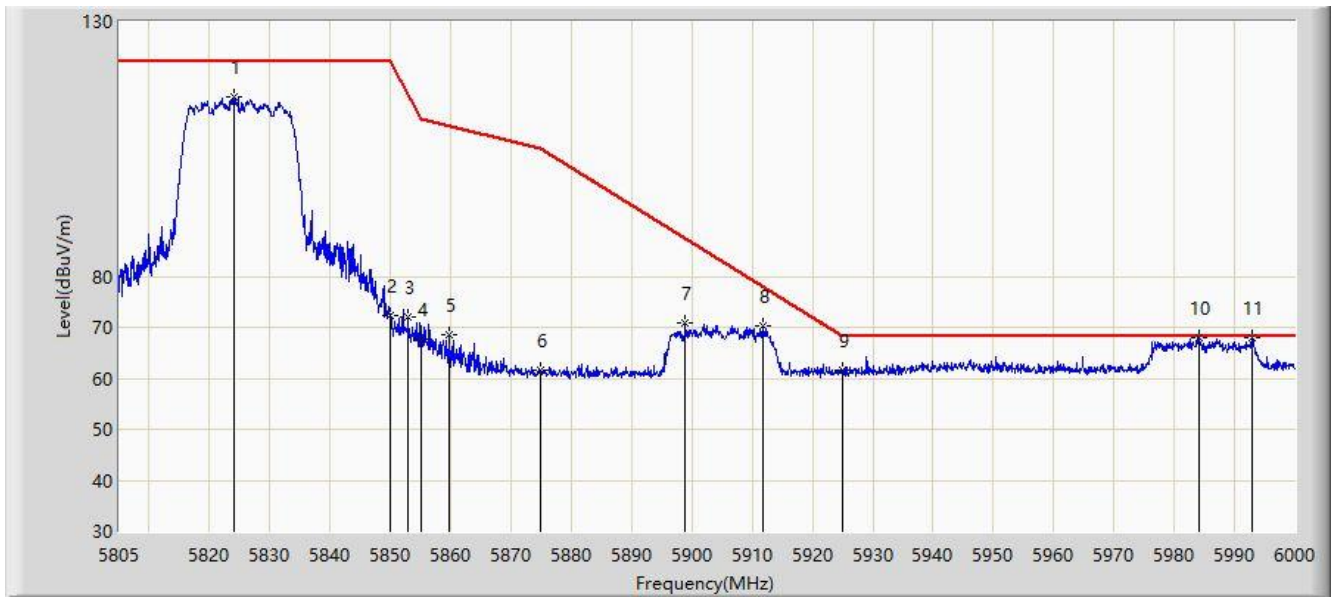


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5823.038	110.851	103.176	N/A	N/A	7.676	PK
2			5850.000	67.478	59.786	-54.722	122.200	7.692	PK
3			5850.728	69.944	60.578	-50.595	120.540	9.367	PK
4			5855.000	65.669	58.025	-45.131	110.800	7.644	PK
5			5857.942	64.385	55.091	-45.590	109.975	9.294	PK
6			5875.000	60.637	53.035	-44.563	105.200	7.602	PK
7			5899.965	66.295	58.579	-20.392	86.687	7.716	PK
8			5912.250	65.841	57.966	-11.764	77.605	7.875	PK
9			5925.000	60.857	53.031	-7.343	68.200	7.826	PK
10			5978.355	65.525	57.822	-2.675	68.200	7.704	PK
11		*	5992.493	66.281	58.427	-1.919	68.200	7.854	PK

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

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

Site: AC1	Time: 2019/11/30 - 02:27
Limit: FCC_Part 15.407_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5825MHz	

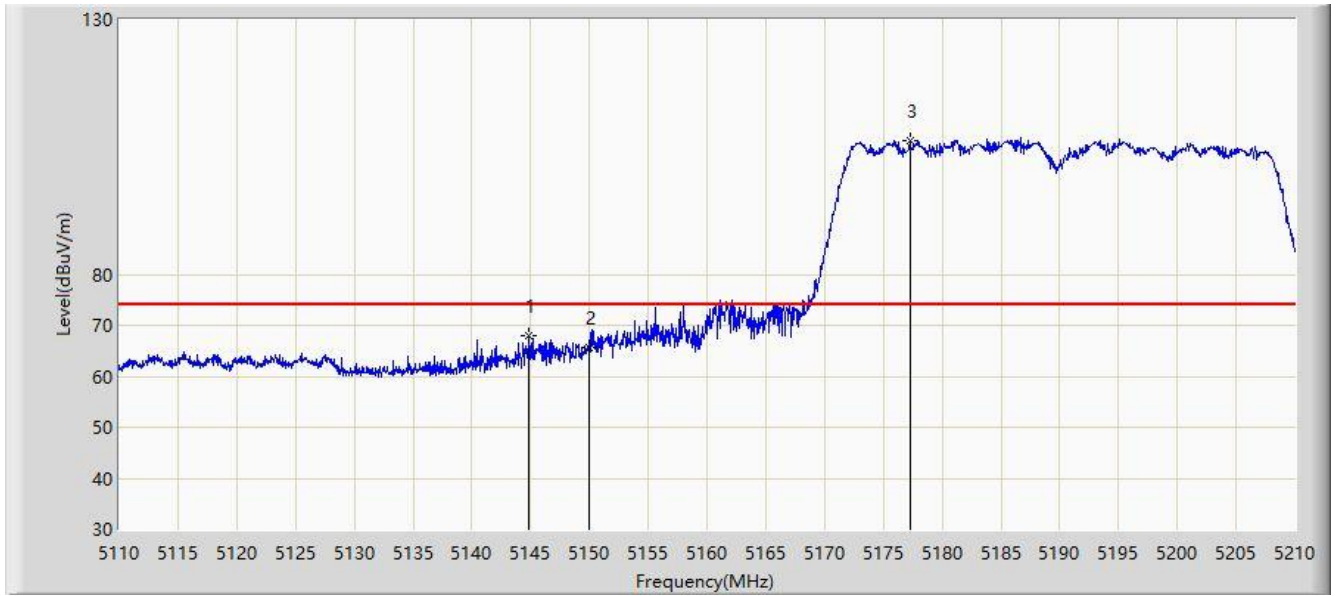


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5824.013	115.119	107.426	N/A	N/A	7.693	PK
2			5850.000	72.333	64.641	-49.867	122.200	7.692	PK
3			5852.970	72.115	62.771	-43.312	115.427	9.344	PK
4			5855.000	67.808	60.164	-42.992	110.800	7.644	PK
5			5859.795	68.552	59.277	-40.904	109.456	9.275	PK
6			5875.000	61.691	54.089	-43.509	105.200	7.602	PK
7			5898.893	70.854	63.152	-16.626	87.480	7.702	PK
8			5911.665	70.306	62.438	-7.731	78.037	7.868	PK
9			5925.000	61.520	53.694	-6.680	68.200	7.826	PK
10			5984.205	67.855	60.097	-0.345	68.200	7.758	PK
11		*	5992.882	67.984	60.125	-0.216	68.200	7.859	PK

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

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

Site: AC1	Time: 2019/11/30 - 02:38
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz	

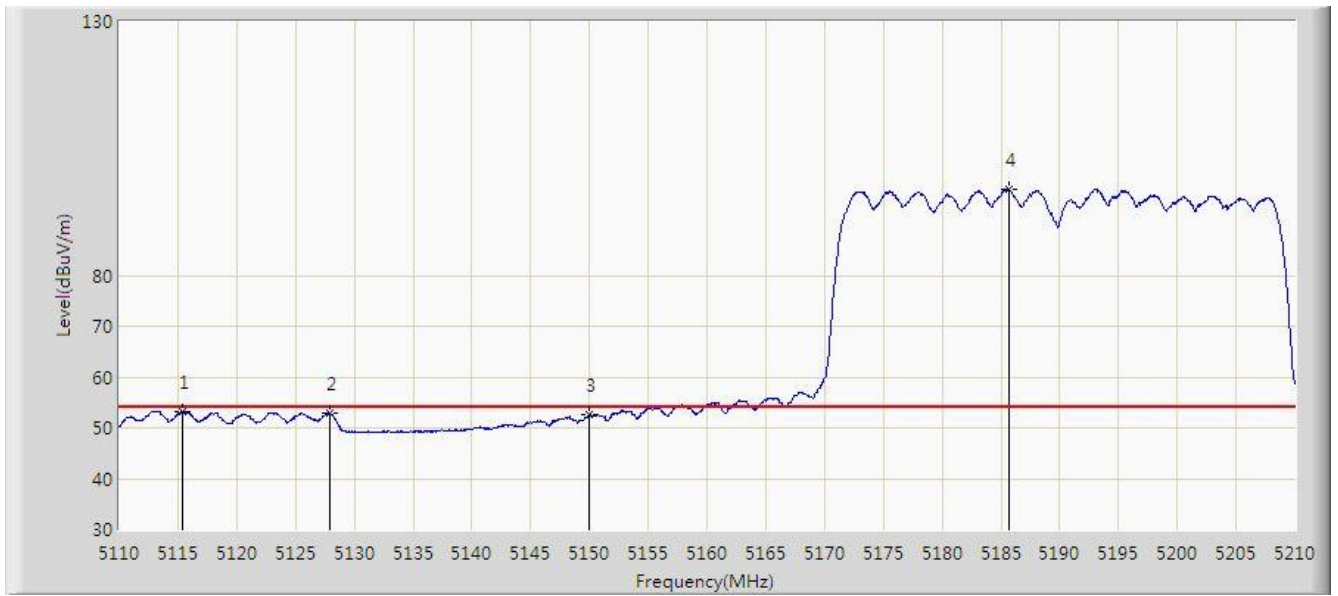


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5144.850	67.866	61.062	-6.134	74.000	6.803	PK
2			5150.000	65.687	58.888	-8.313	74.000	6.799	PK
3		*	5177.250	106.370	99.562	N/A	N/A	6.808	PK

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

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

Site: AC1	Time: 2019/11/30 - 02:40
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz	

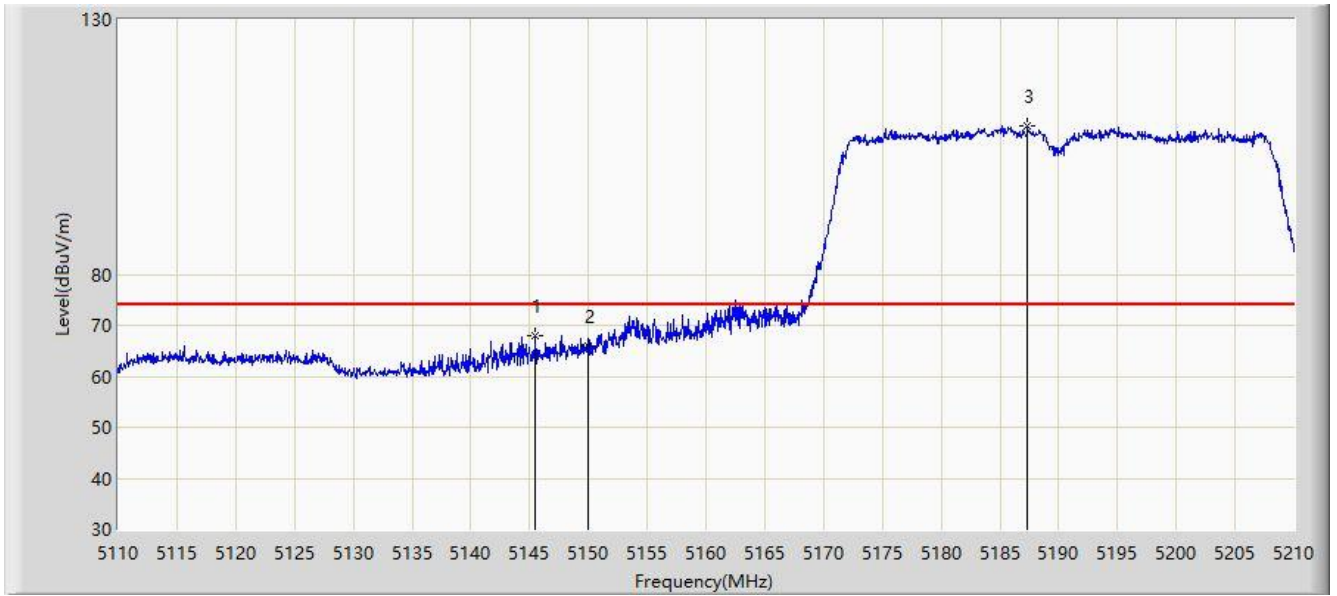


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5115.400	53.197	46.545	-0.803	54.000	6.652	AV
2			5127.900	52.848	46.031	-1.152	54.000	6.818	AV
3			5150.000	52.554	45.755	-1.446	54.000	6.799	AV
4		*	5185.650	96.969	90.236	N/A	N/A	6.733	AV

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

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

Site: AC1	Time: 2019/11/30 - 02:37
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz	

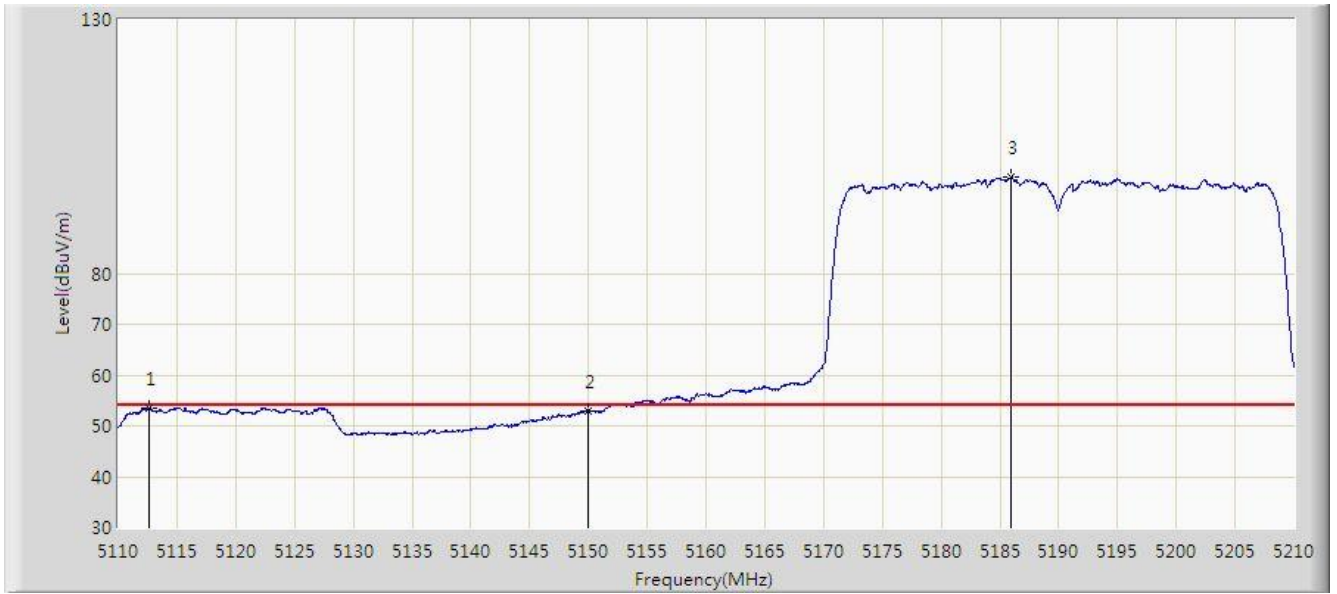


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5145.500	68.102	61.301	-5.898	74.000	6.801	PK
2			5150.000	66.052	59.253	-7.948	74.000	6.799	PK
3		*	5187.350	109.150	102.443	N/A	N/A	6.707	PK

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

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

Site: AC1	Time: 2019/11/30 - 02:36
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz	

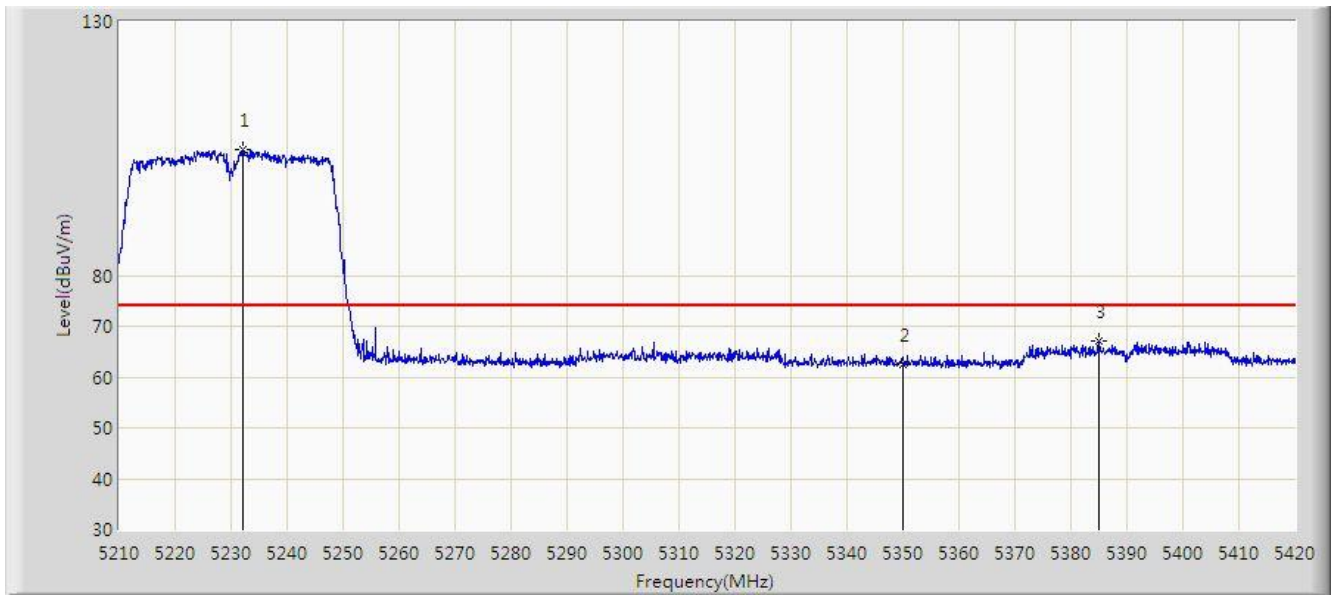


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5112.650	53.487	46.839	-0.513	54.000	6.648	AV
2			5150.000	53.016	46.217	-0.984	54.000	6.799	AV
3		*	5185.950	99.110	92.382	N/A	N/A	6.728	AV

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

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

Site: AC1	Time: 2019/12/03 - 13:29
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5230MHz	

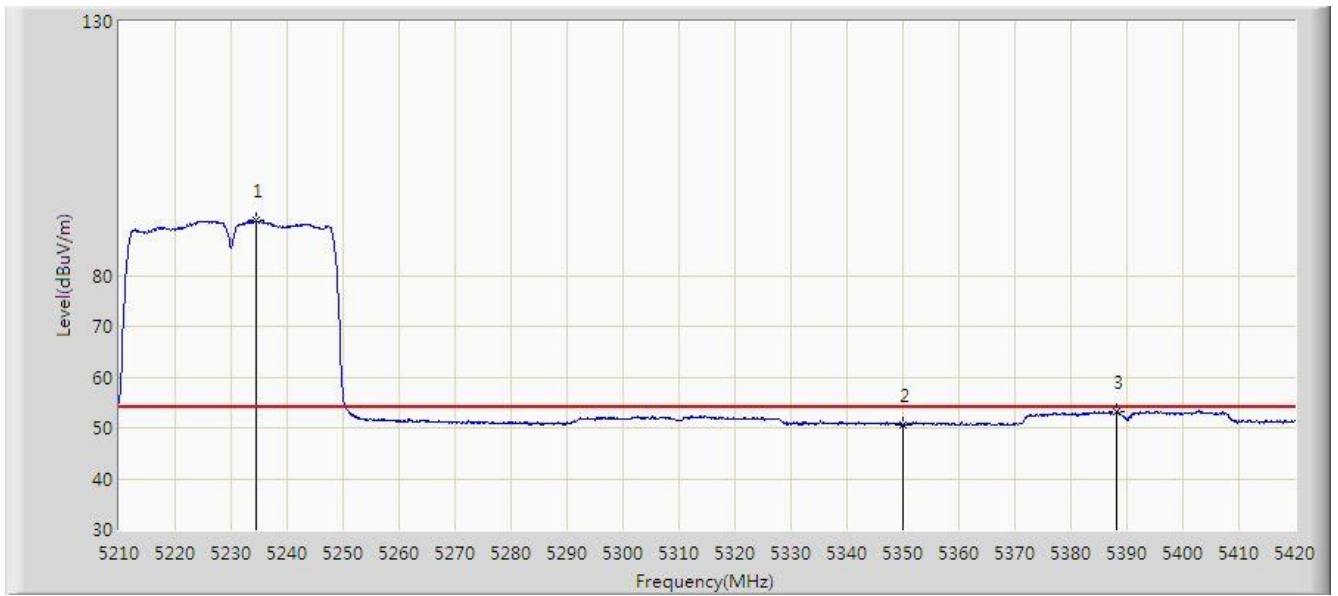


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5232.155	104.825	98.084	N/A	N/A	6.741	PK
2			5350.000	62.406	55.778	-11.594	74.000	6.629	PK
3			5384.930	67.012	60.279	-6.988	74.000	6.733	PK

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

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

Site: AC1	Time: 2019/12/03 - 13:30
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5230MHz	

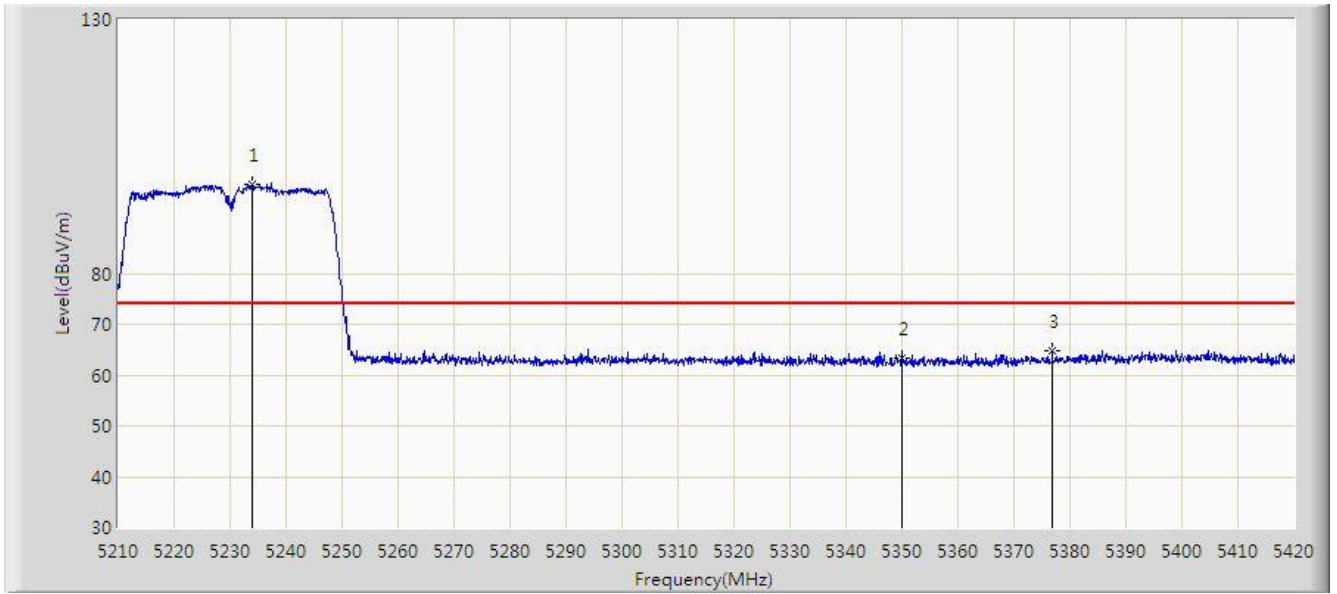


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5234.570	90.742	83.992	N/A	N/A	6.750	AV
2			5350.000	50.685	44.057	-3.315	54.000	6.629	AV
3			5388.185	53.176	46.407	-0.824	54.000	6.768	AV

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

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

Site: AC1	Time: 2019/12/03 - 13:36
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5230MHz	

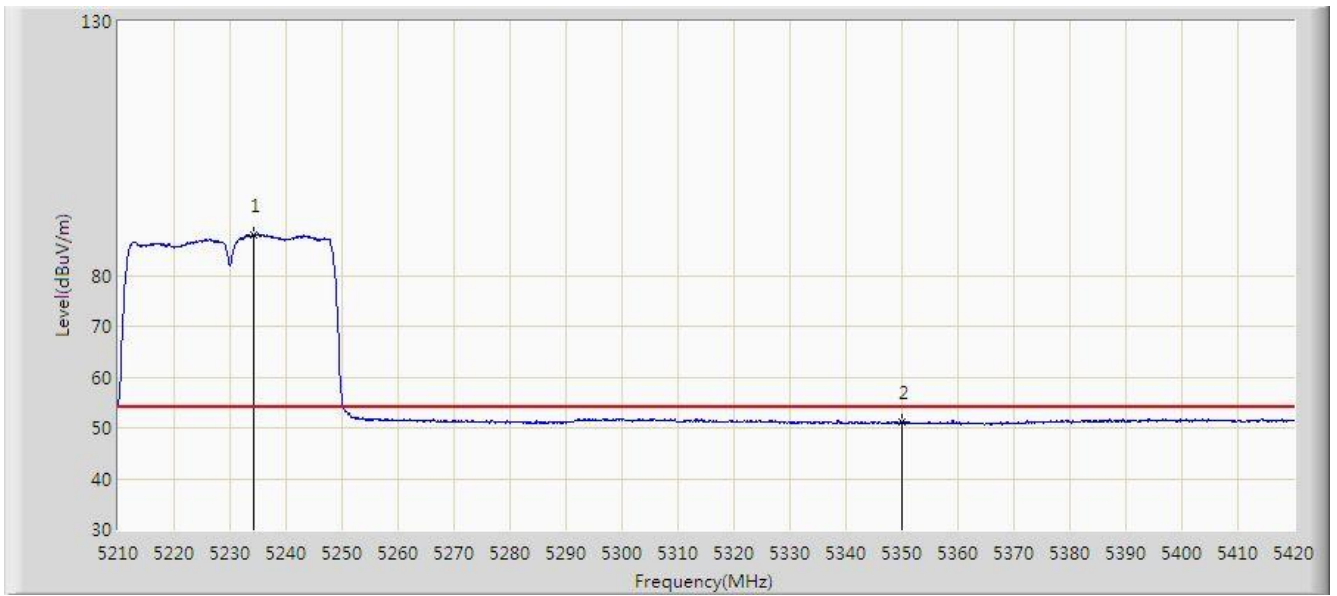


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5233.940	97.641	90.888	N/A	N/A	6.753	PK
2			5350.000	63.384	56.756	-10.616	74.000	6.629	PK
3			5376.845	64.761	58.099	-9.239	74.000	6.662	PK

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

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

Site: AC1	Time: 2019/12/03 - 13:38
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5230MHz	

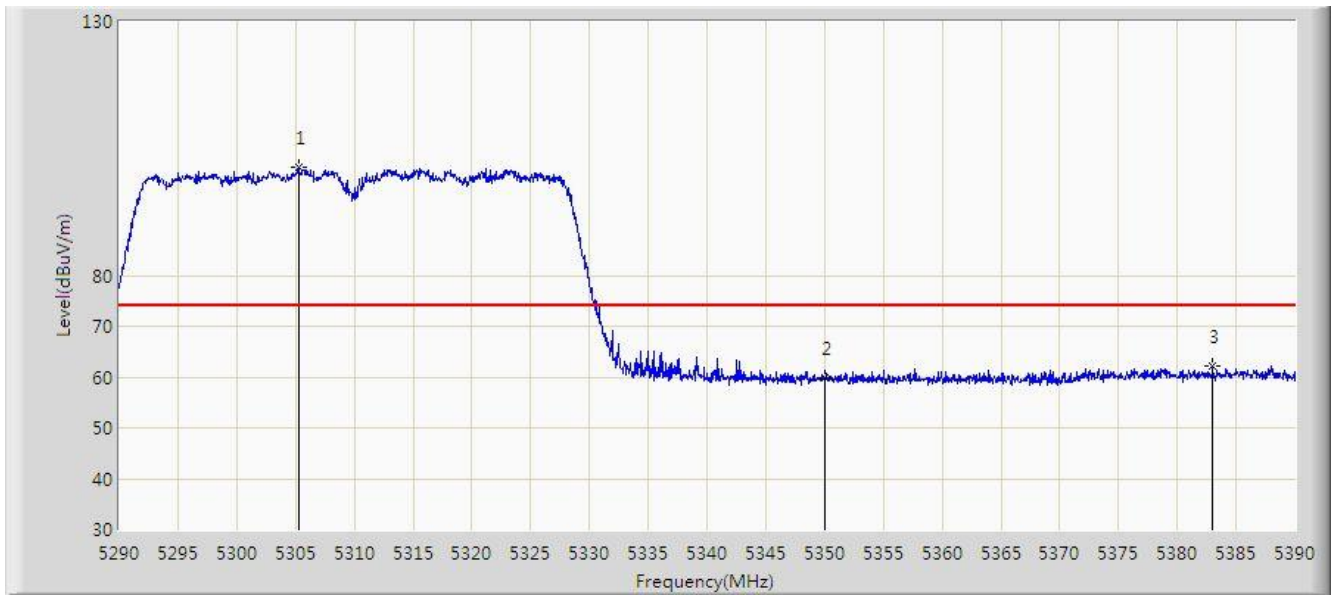


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5234.150	87.941	81.189	N/A	N/A	6.752	AV
2			5350.000	51.067	44.439	-2.933	54.000	6.629	AV

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

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

Site: AC1	Time: 2019/12/03 - 03:26
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5310MHz	

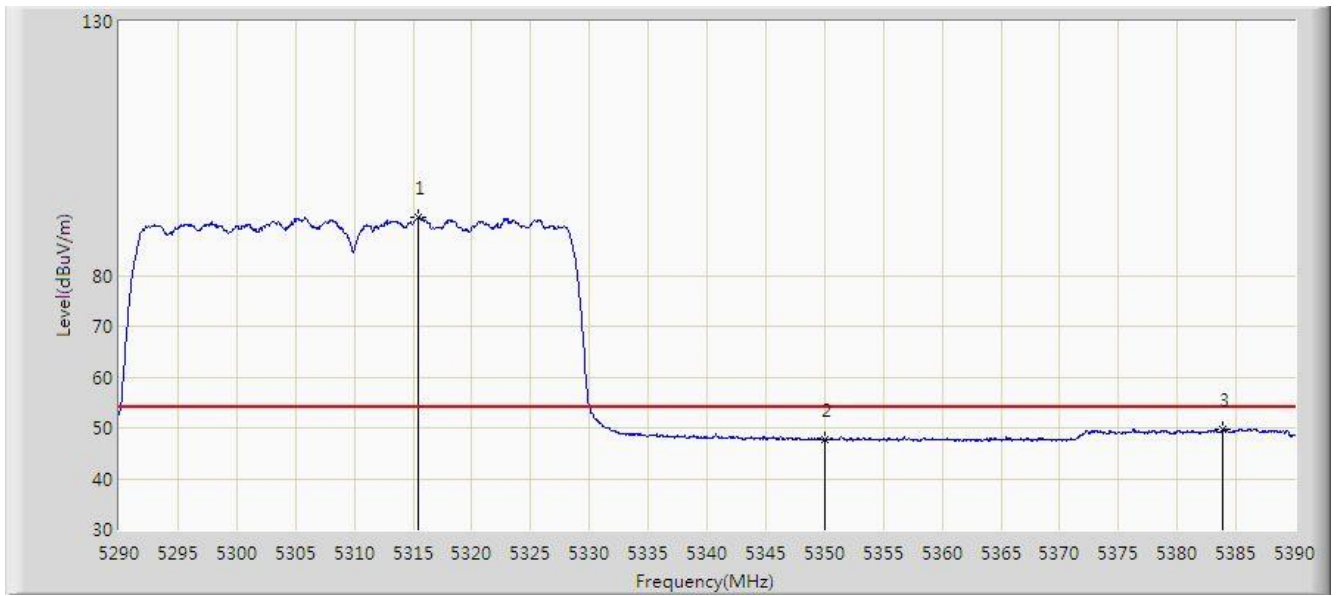


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5305.250	101.234	94.600	N/A	N/A	6.634	PK
2			5350.000	59.840	53.212	-14.160	74.000	6.629	PK
3			5383.000	62.156	55.440	-11.844	74.000	6.716	PK

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

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

Site: AC1	Time: 2019/12/03 - 03:27
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5310MHz	

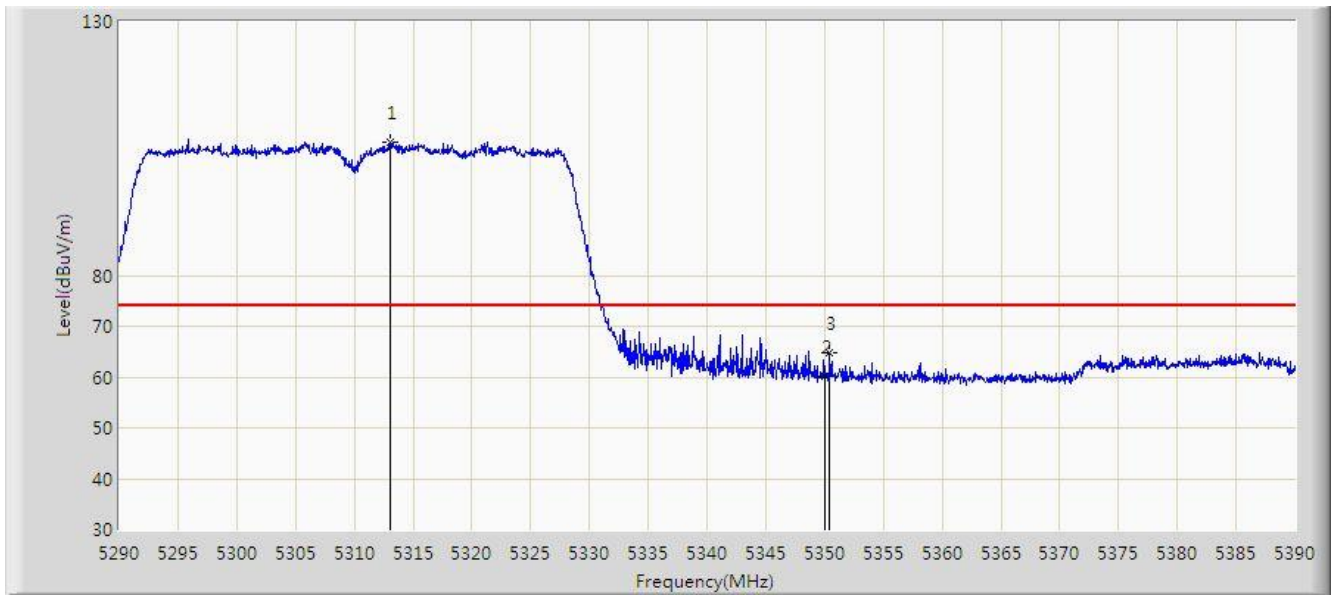


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5315.500	91.390	84.776	N/A	N/A	6.614	AV
2			5350.000	47.762	41.134	-6.238	54.000	6.629	AV
3			5383.850	49.743	43.020	-4.257	54.000	6.723	AV

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

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

Site: AC1	Time: 2019/12/03 - 03:25
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5310MHz	

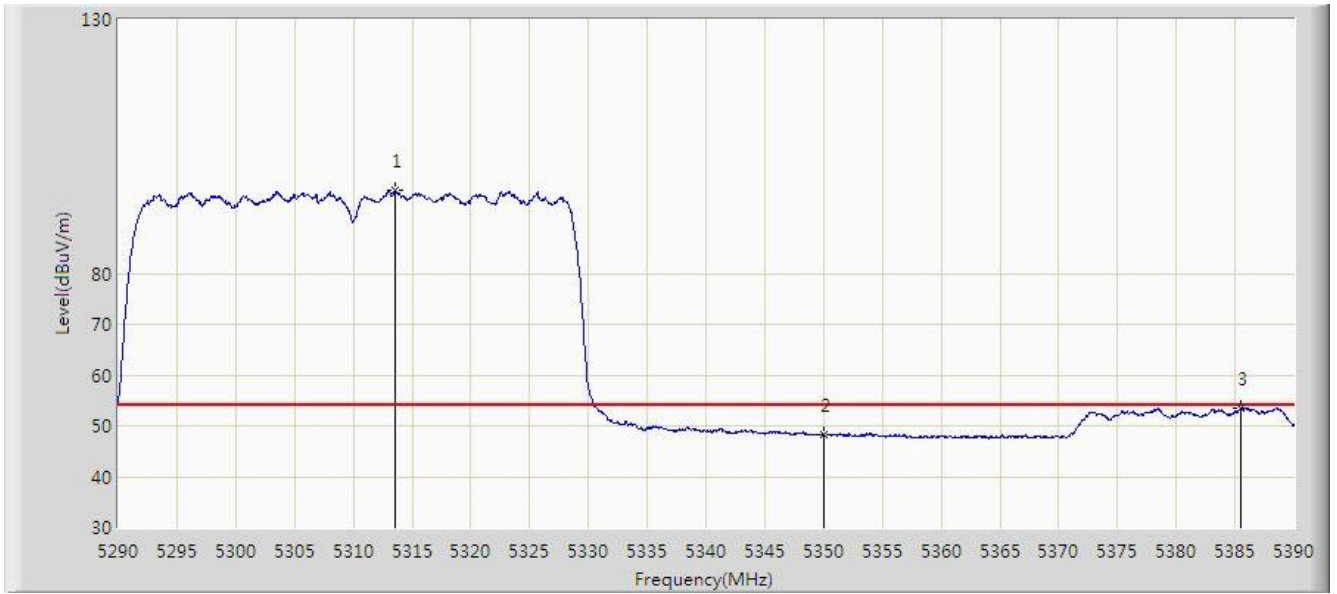


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5313.100	106.360	99.742	N/A	N/A	6.618	PK
2			5350.000	60.097	53.469	-13.903	74.000	6.629	PK
3			5350.450	64.808	58.183	-9.192	74.000	6.625	PK

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

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

Site: AC1	Time: 2019/12/03 - 03:23
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5310MHz	

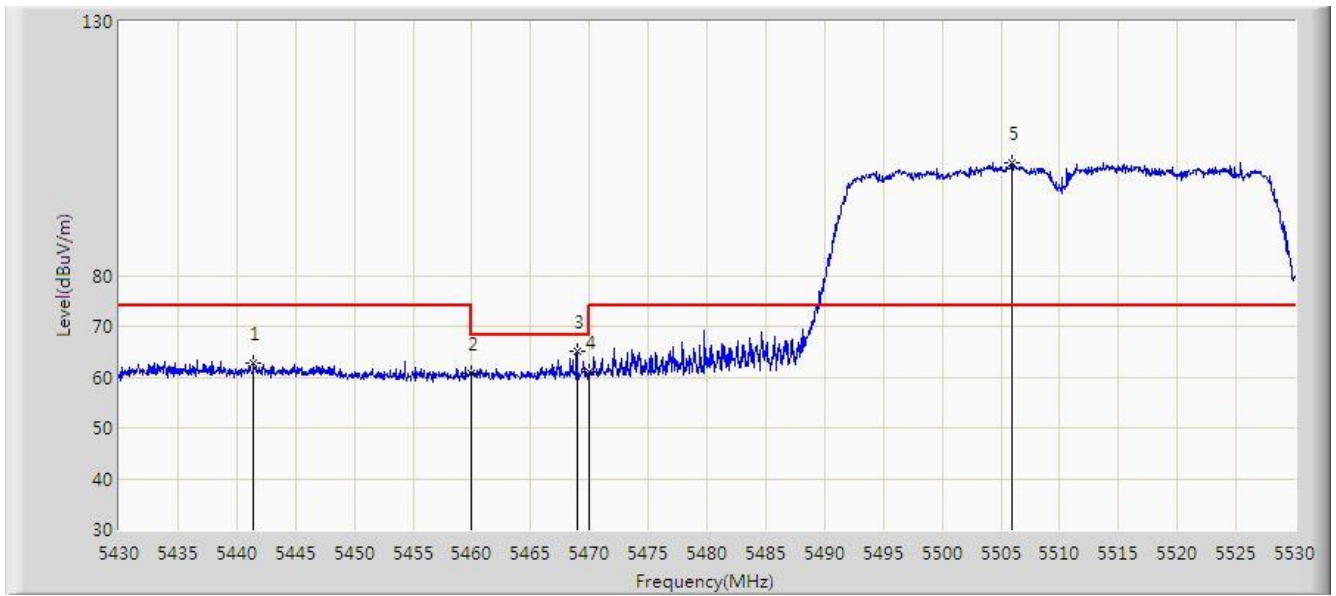


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5313.550	96.312	89.695	N/A	N/A	6.617	AV
2			5350.000	48.236	41.608	-5.764	54.000	6.629	AV
3			5385.550	53.451	46.713	-0.549	54.000	6.739	AV

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

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

Site: AC1	Time: 2019/12/03 - 03:34
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5510MHz	

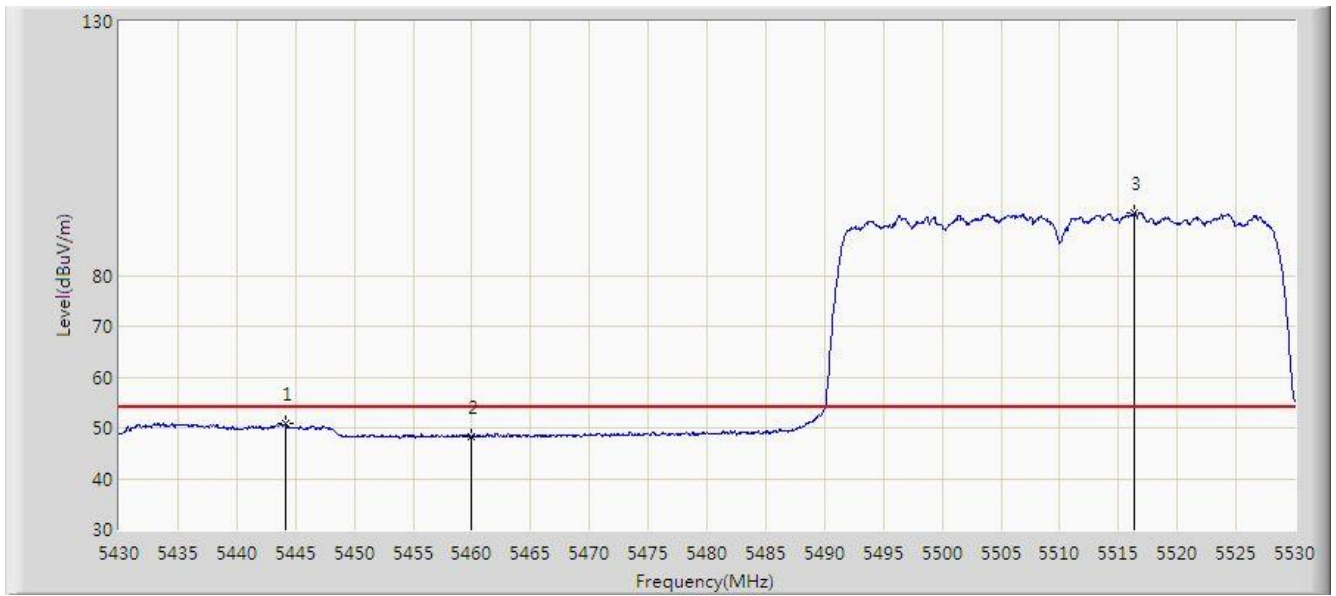


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5441.450	62.866	55.866	-11.134	74.000	7.000	PK
2			5460.000	60.628	53.651	-13.372	74.000	6.978	PK
3			5468.950	64.962	57.949	-3.238	68.200	7.014	PK
4			5470.000	61.082	54.065	-7.118	68.200	7.016	PK
5		*	5505.900	102.176	94.868	N/A	N/A	7.308	PK

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

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

Site: AC1	Time: 2019/12/03 - 03:35
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5510MHz	

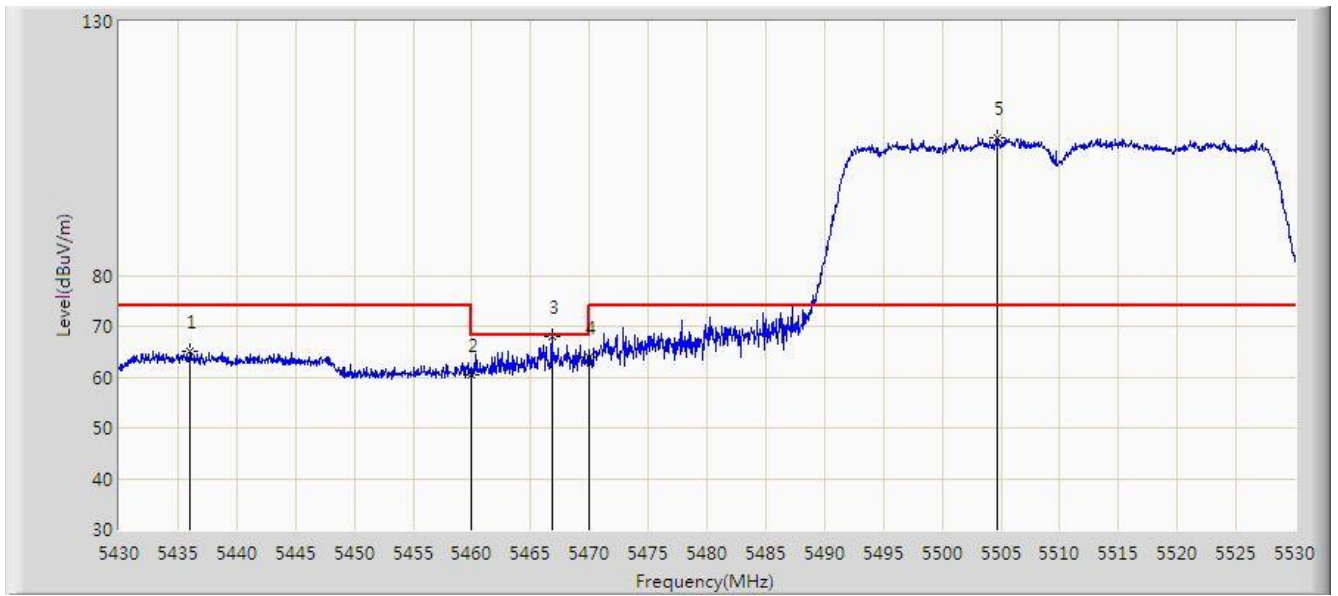


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5444.100	50.775	43.785	-3.225	54.000	6.991	AV
2			5460.000	48.295	41.318	-5.705	54.000	6.978	AV
3		*	5516.400	92.420	85.267	N/A	N/A	7.153	AV

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

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

Site: AC1	Time: 2019/12/03 - 03:31
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5510MHz	

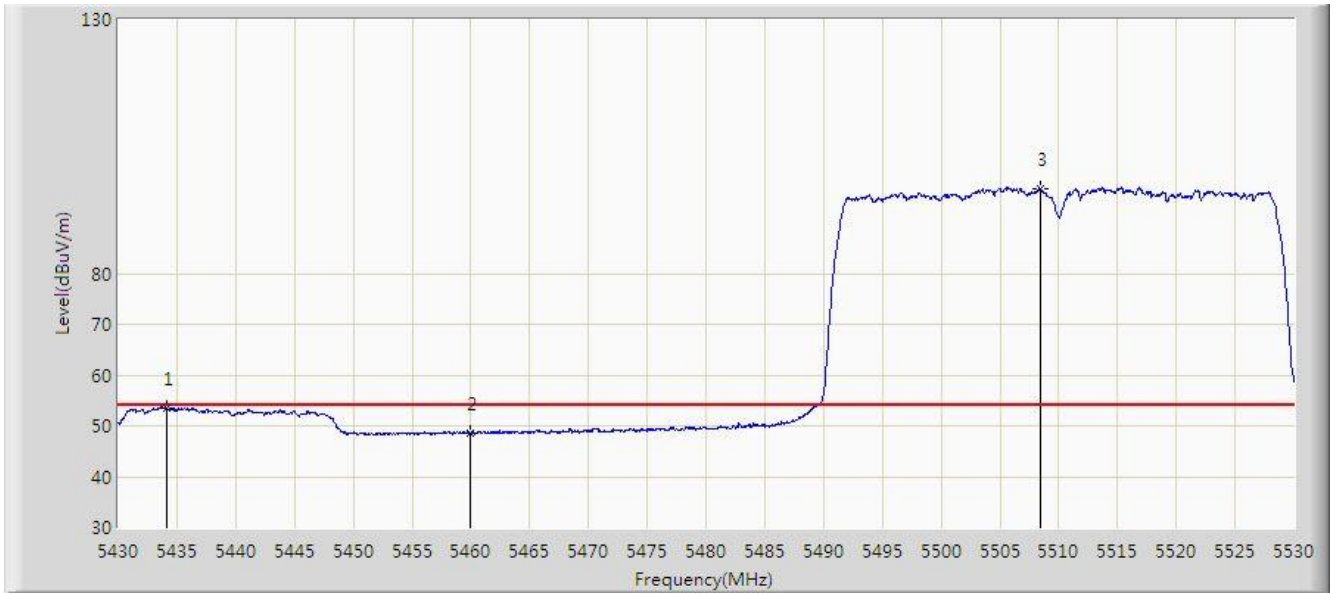


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5436.050	65.111	58.095	-8.889	74.000	7.016	PK
2			5460.000	60.364	53.387	-13.636	74.000	6.978	PK
3			5466.800	67.988	60.984	-0.212	68.200	7.004	PK
4			5470.000	63.946	56.929	-4.254	68.200	7.016	PK
5		*	5504.650	107.078	99.760	N/A	N/A	7.318	PK

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

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

Site: AC1	Time: 2019/12/03 - 03:33
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5510MHz	

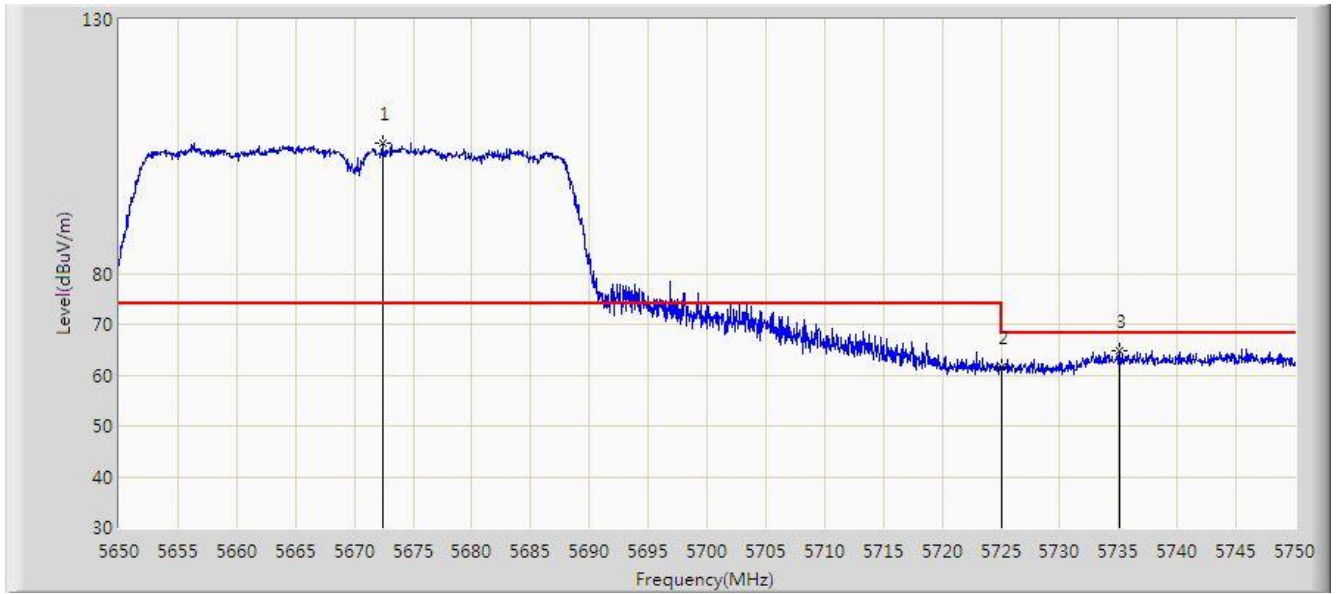


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5434.100	53.453	46.438	-0.547	54.000	7.015	AV
2			5460.000	48.440	41.463	-5.560	54.000	6.978	AV
3		*	5508.400	96.632	89.361	N/A	N/A	7.271	AV

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

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

Site: AC1	Time: 2019/12/03 - 03:36
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5670MHz	

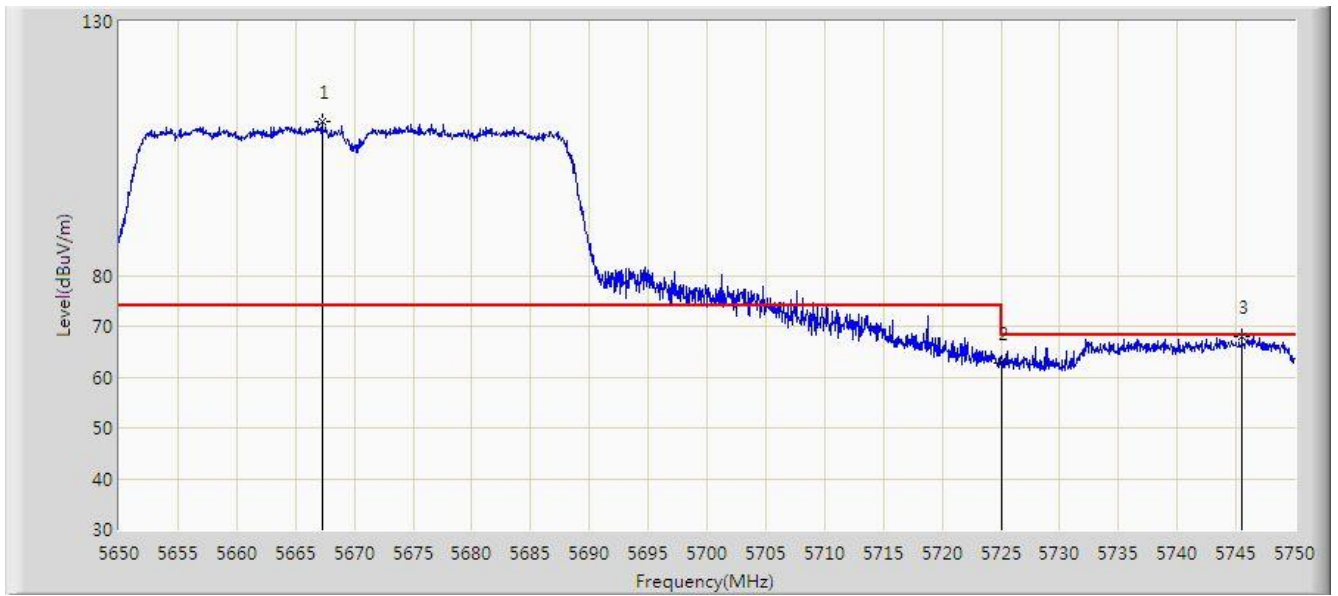


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5672.400	105.665	98.352	N/A	N/A	7.313	PK
2			5725.000	61.589	54.257	-6.611	68.200	7.332	PK
3			5735.050	64.699	57.301	-3.501	68.200	7.398	PK

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

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

Site: AC1	Time: 2019/12/03 - 03:38
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5670MHz	

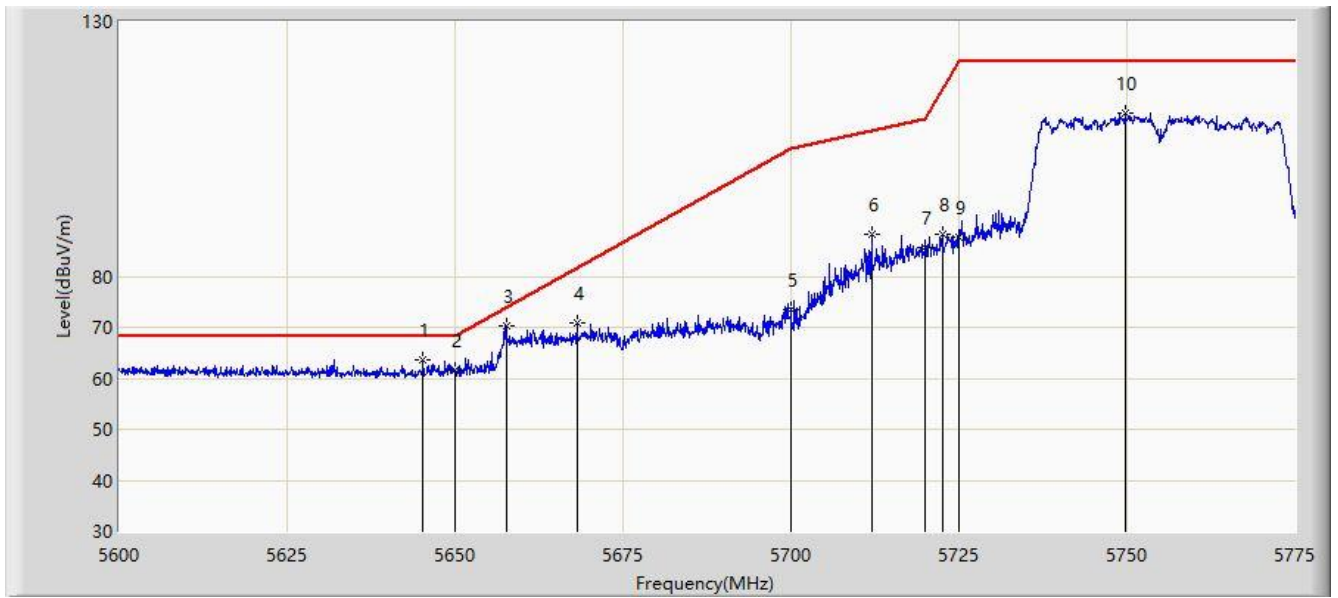


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5667.250	110.181	102.868	N/A	N/A	7.312	PK
2			5725.000	62.686	55.354	-5.514	68.200	7.332	PK
3			5745.500	68.041	60.598	-0.159	68.200	7.443	PK

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

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

Site: AC1	Time: 2019/11/30 - 02:56
Limit: FCC_Part 15.407_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5755MHz	

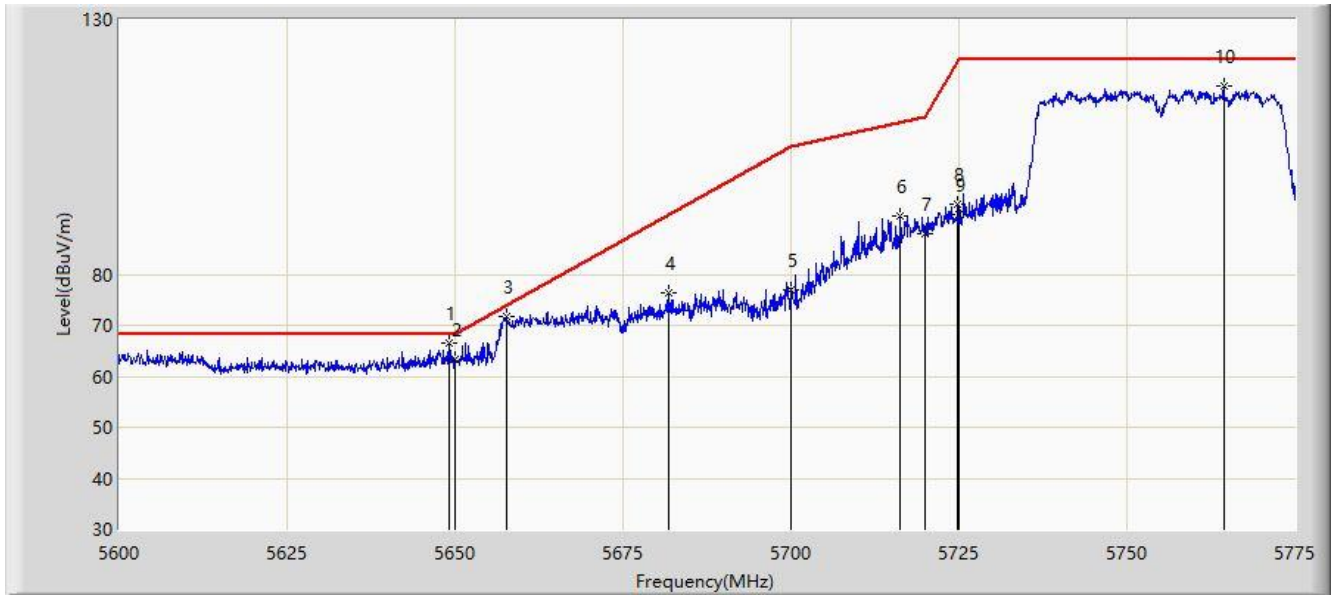


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5645.237	63.597	56.559	-4.603	68.200	7.038	PK
2			5650.000	61.541	54.401	-6.659	68.200	7.140	PK
3		*	5657.575	70.267	62.964	-3.560	73.826	7.302	PK
4			5668.163	70.808	61.778	-10.871	81.678	9.029	PK
5			5700.000	73.581	66.366	-31.619	105.200	7.215	PK
6			5712.000	88.326	79.365	-20.236	108.562	8.961	PK
7			5720.000	85.586	78.313	-25.214	110.800	7.273	PK
8			5722.500	88.321	79.269	-28.180	116.501	9.052	PK
9			5725.000	87.611	80.279	-34.589	122.200	7.332	PK
10			5749.800	111.892	104.454	N/A	N/A	7.439	PK

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

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

Site: AC1	Time: 2019/11/30 - 02:53
Limit: FCC_Part 15.407_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5755MHz	

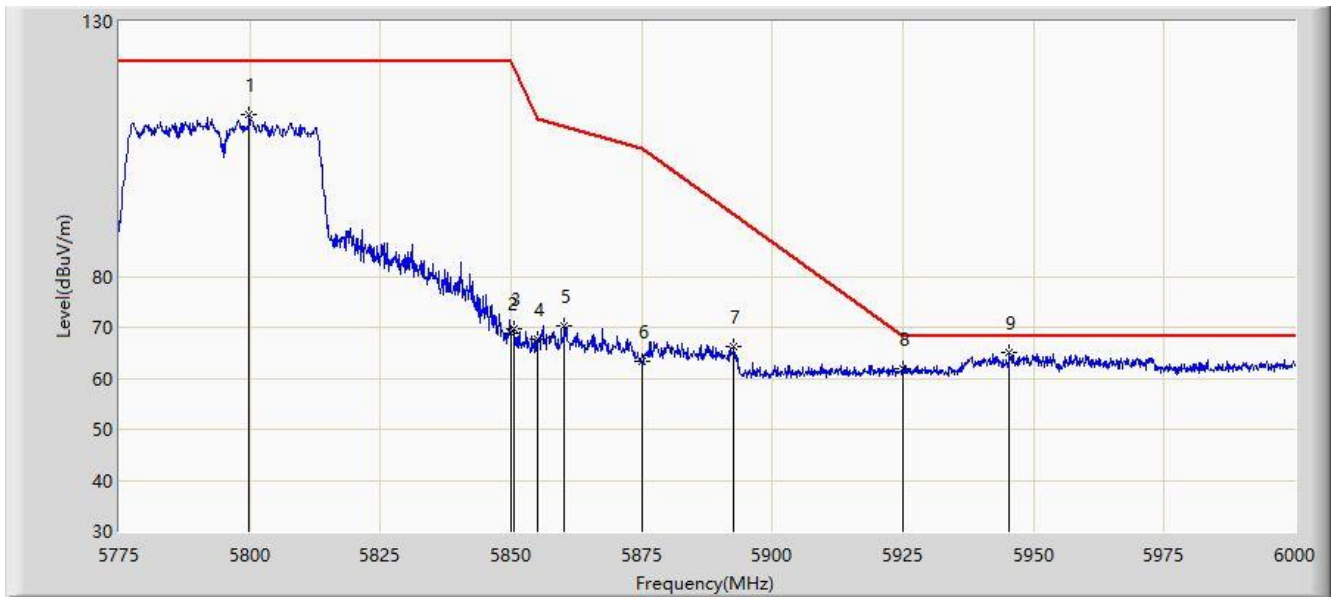


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5649.175	66.592	59.469	-1.608	68.200	7.123	PK
2			5650.000	63.208	56.068	-4.992	68.200	7.140	PK
3			5657.575	71.788	64.485	-2.039	73.826	7.302	PK
4			5681.900	76.365	67.328	-15.478	91.844	9.037	PK
5			5700.000	76.934	69.719	-28.266	105.200	7.215	PK
6			5716.288	91.518	82.520	-18.244	109.762	8.998	PK
7			5720.000	88.058	80.785	-22.742	110.800	7.273	PK
8			5724.775	93.707	84.635	-27.980	121.687	9.071	PK
9			5725.000	91.777	84.445	-30.423	122.200	7.332	PK
10			5764.413	117.003	109.541	N/A	N/A	7.461	PK

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

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

Site: AC1	Time: 2019/11/30 - 03:06
Limit: FCC_Part 15.407_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5795MHz	

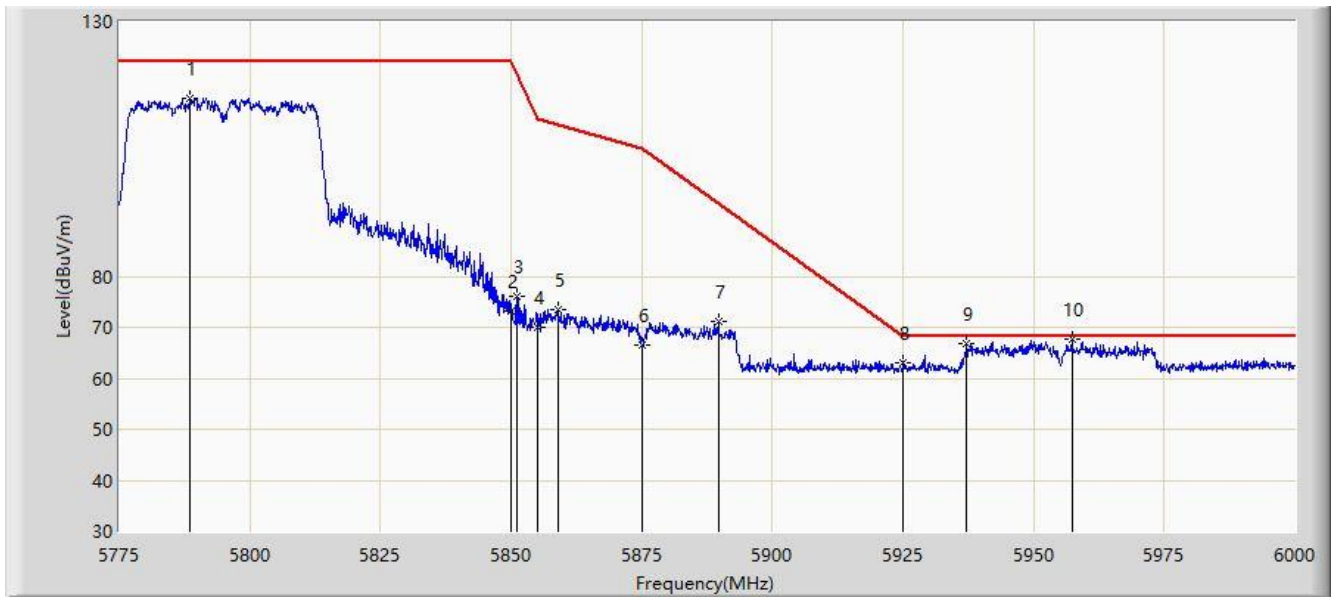


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5799.862	111.643	104.167	N/A	N/A	7.476	PK
2			5850.000	68.722	61.030	-53.478	122.200	7.692	PK
3			5850.600	69.735	60.367	-51.097	120.831	9.368	PK
4			5855.000	67.622	59.978	-43.178	110.800	7.644	PK
5			5860.275	70.343	61.073	-38.978	109.321	9.271	PK
6			5875.000	63.263	55.661	-41.937	105.200	7.602	PK
7			5892.562	66.340	58.687	-25.828	92.168	7.653	PK
8			5925.000	61.750	53.924	-6.450	68.200	7.826	PK
9		*	5945.437	64.951	57.258	-3.249	68.200	7.693	PK

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

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

Site: AC1	Time: 2019/11/30 - 03:05
Limit: FCC_Part 15.407_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5795MHz	

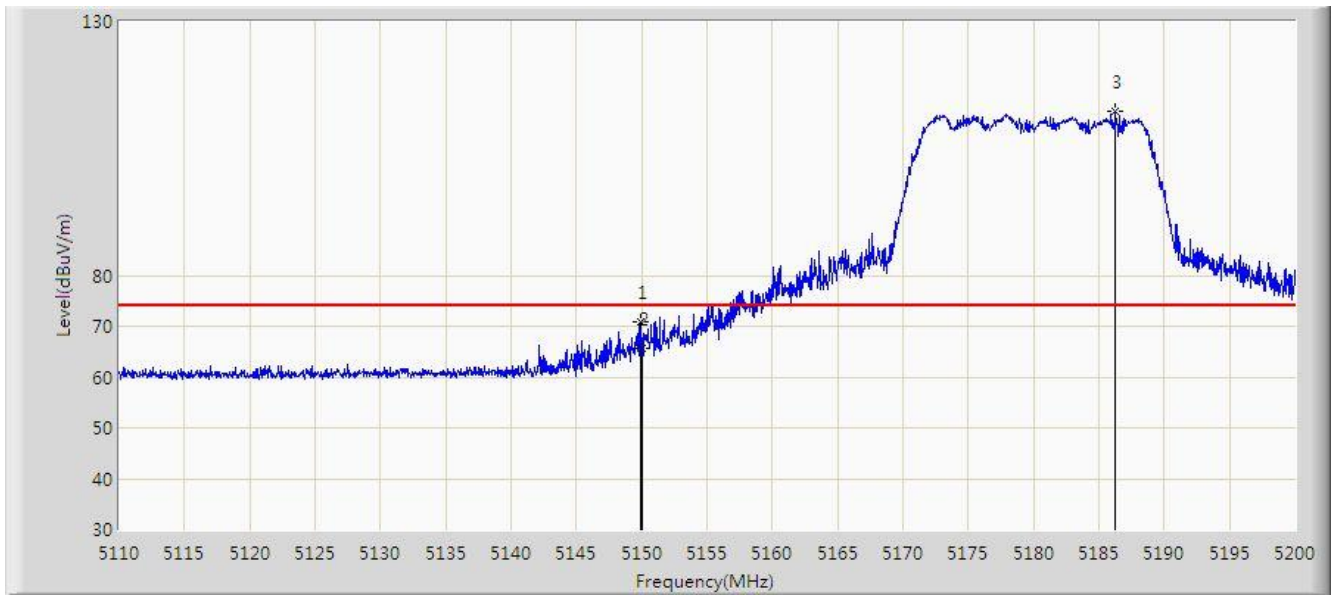


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5788.612	114.938	107.428	N/A	N/A	7.510	PK
2			5850.000	73.128	65.436	-49.072	122.200	7.692	PK
3			5851.050	76.059	66.696	-43.746	119.805	9.363	PK
4			5855.000	70.069	62.425	-40.731	110.800	7.644	PK
5			5858.925	73.437	64.153	-36.263	109.699	9.284	PK
6			5875.000	66.603	59.001	-38.597	105.200	7.602	PK
7			5889.638	71.072	63.428	-23.264	94.335	7.644	PK
8			5925.000	62.973	55.147	-5.227	68.200	7.826	PK
9			5937.225	66.922	59.171	-1.278	68.200	7.751	PK
10		*	5957.362	67.679	60.042	-0.521	68.200	7.637	PK

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

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

Site: AC1	Time: 2019/11/30 - 03:14
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz	

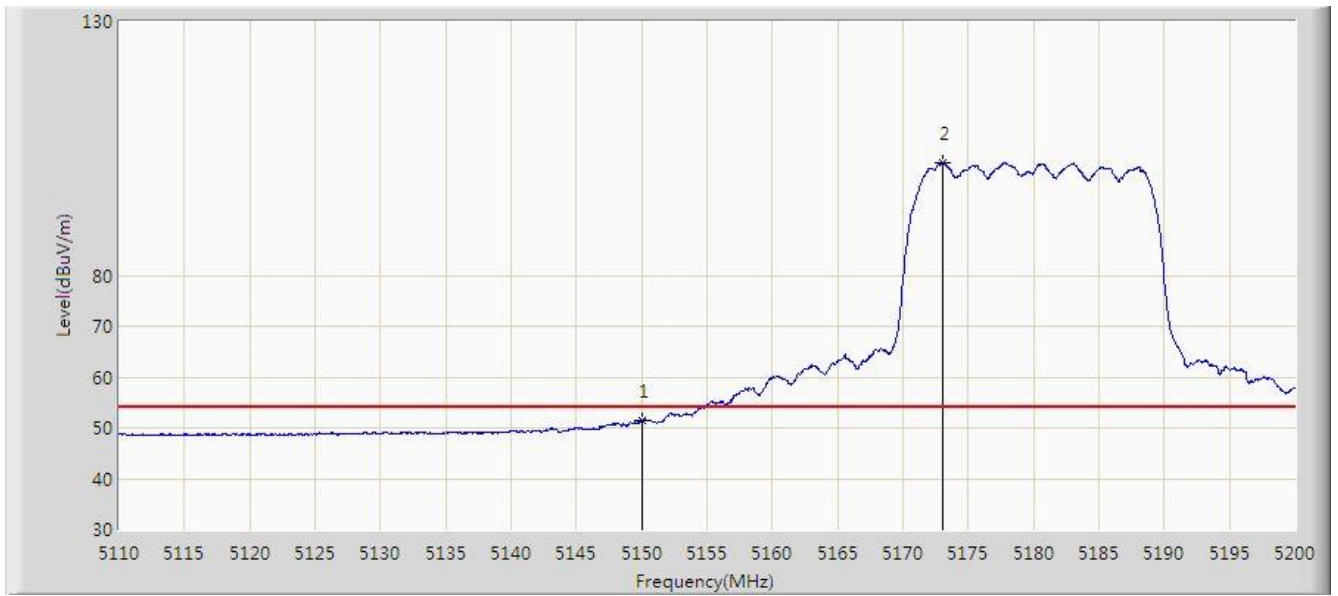


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.960	70.827	64.028	-3.173	74.000	6.799	PK
2			5150.000	65.756	58.957	-8.244	74.000	6.799	PK
3		*	5186.275	112.180	105.457	N/A	N/A	6.723	PK

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

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

Site: AC1	Time: 2019/11/30 - 03:16
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz	

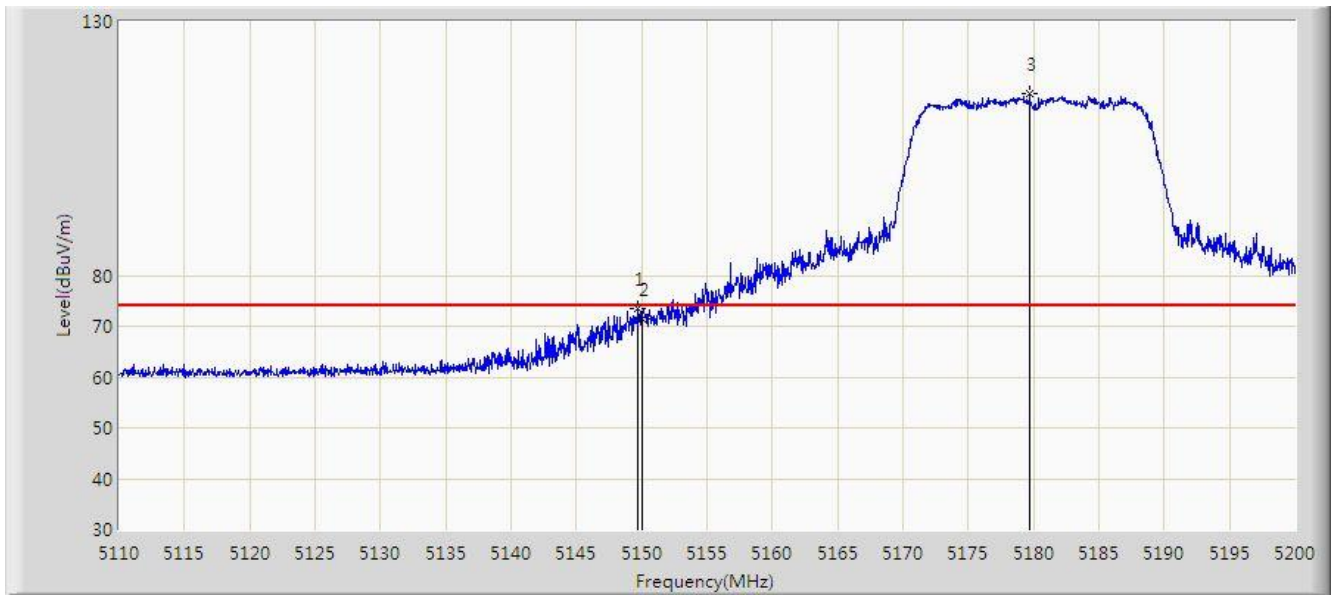


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.491	44.692	-2.509	54.000	6.799	AV
2		*	5173.045	102.232	95.408	N/A	N/A	6.824	AV

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

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

Site: AC1	Time: 2019/11/30 - 03:11
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz	

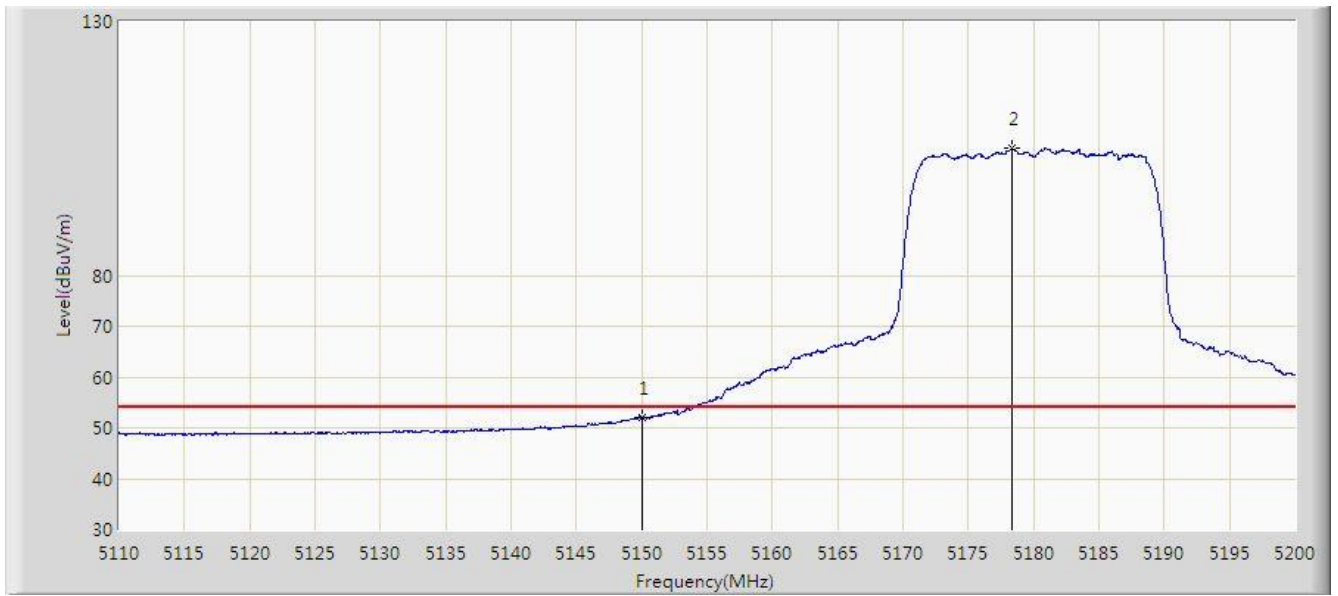


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.690	73.589	66.791	-0.411	74.000	6.798	PK
2			5150.000	71.473	64.674	-2.527	74.000	6.799	PK
3		*	5179.705	115.698	108.900	N/A	N/A	6.799	PK

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

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

Site: AC1	Time: 2019/11/30 - 03:11
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz	

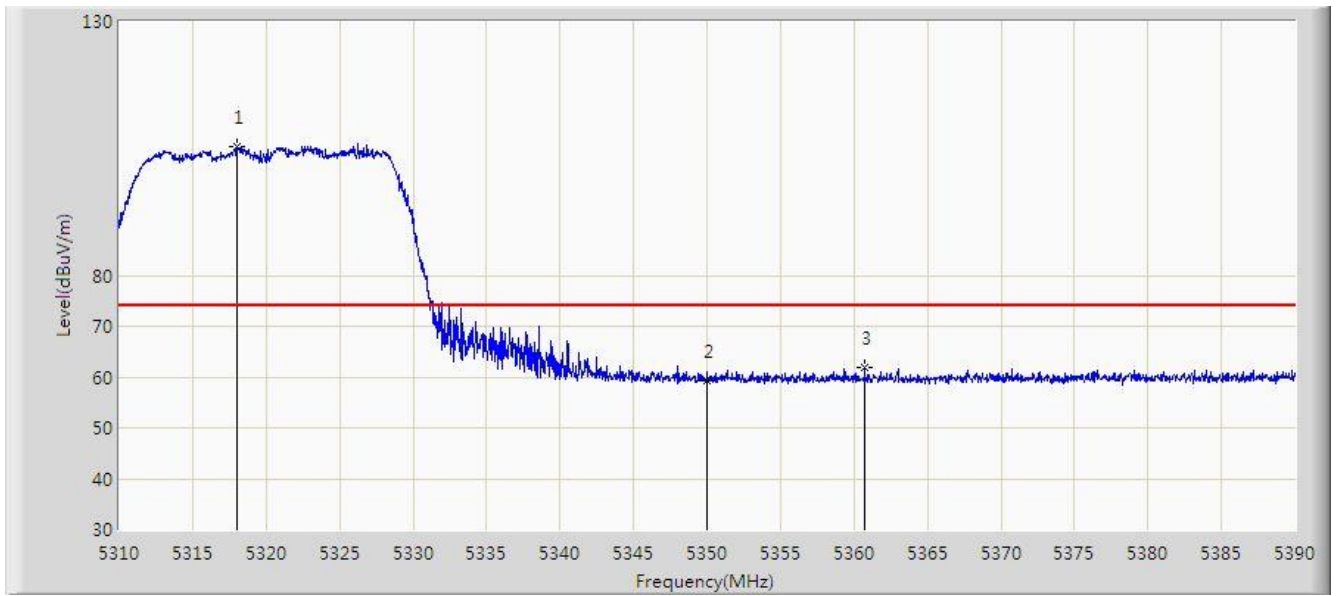


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	52.055	45.256	-1.945	54.000	6.799	AV
2		*	5178.355	105.011	98.208	N/A	N/A	6.803	AV

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

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

Site: AC1	Time: 2019/12/03 - 03:40
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5320MHz	

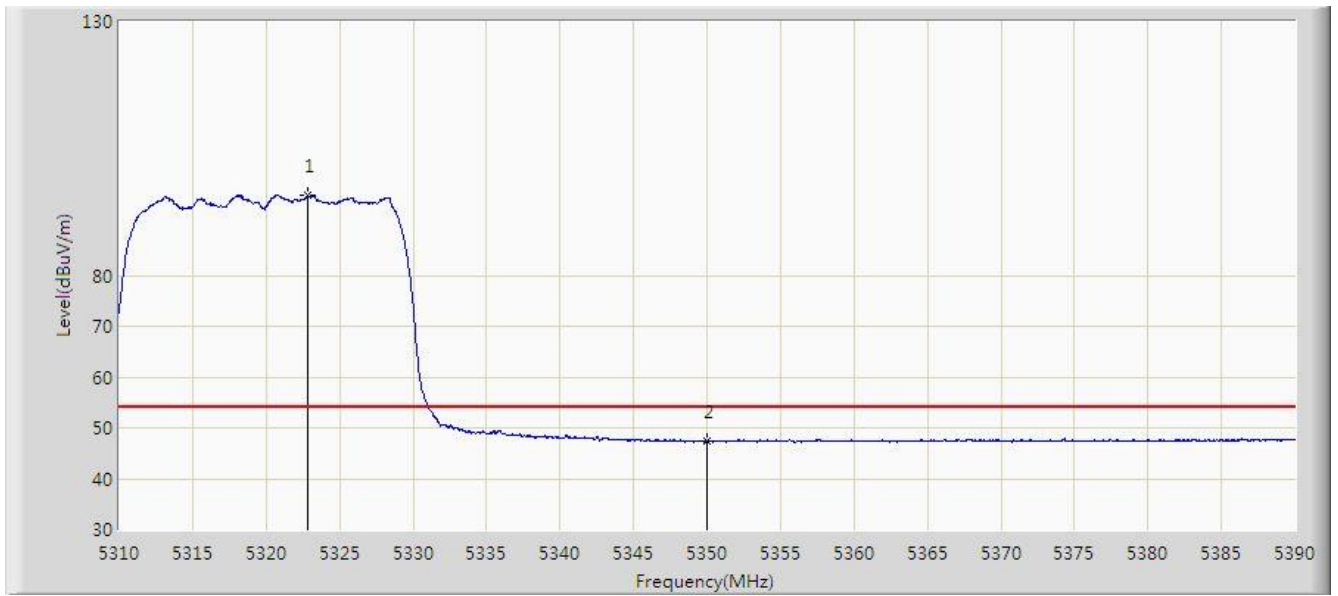


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5318.000	105.472	98.864	N/A	N/A	6.609	PK
2			5350.000	59.211	52.583	-14.789	74.000	6.629	PK
3			5360.720	61.838	55.234	-12.162	74.000	6.603	PK

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

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

Site: AC1	Time: 2019/12/03 - 03:43
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5320MHz	

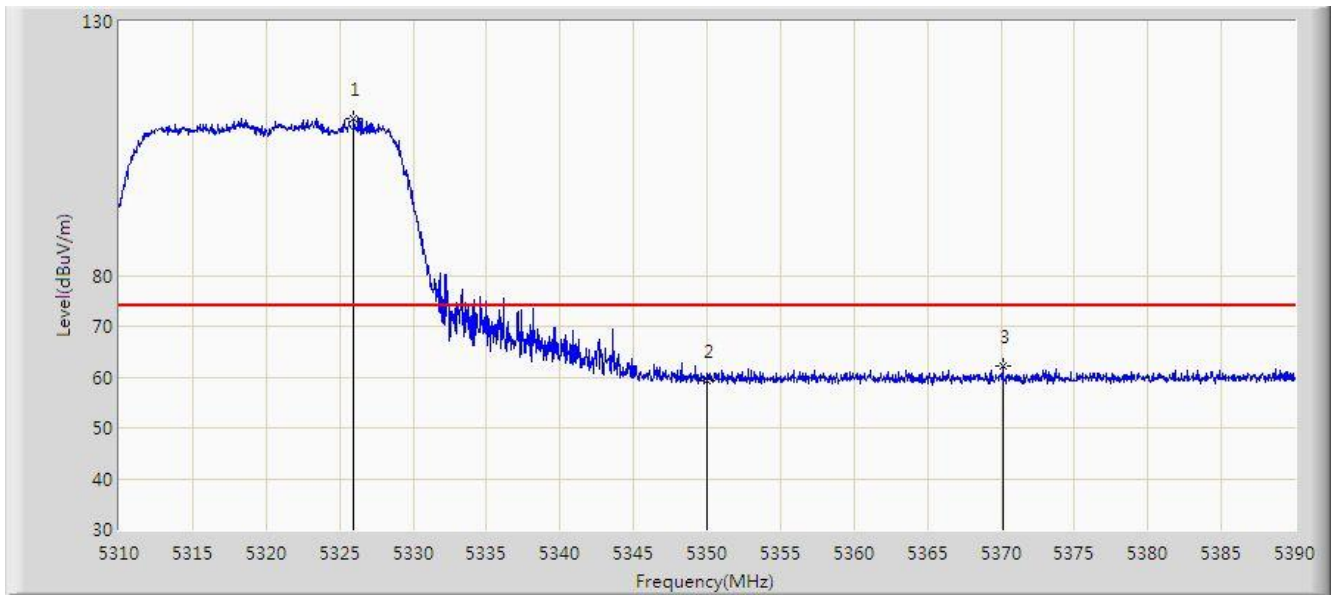


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5322.800	95.724	89.082	N/A	N/A	6.642	AV
2			5350.000	47.428	40.800	-6.572	54.000	6.629	AV

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

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

Site: AC1	Time: 2019/12/03 - 03:44
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5320MHz	

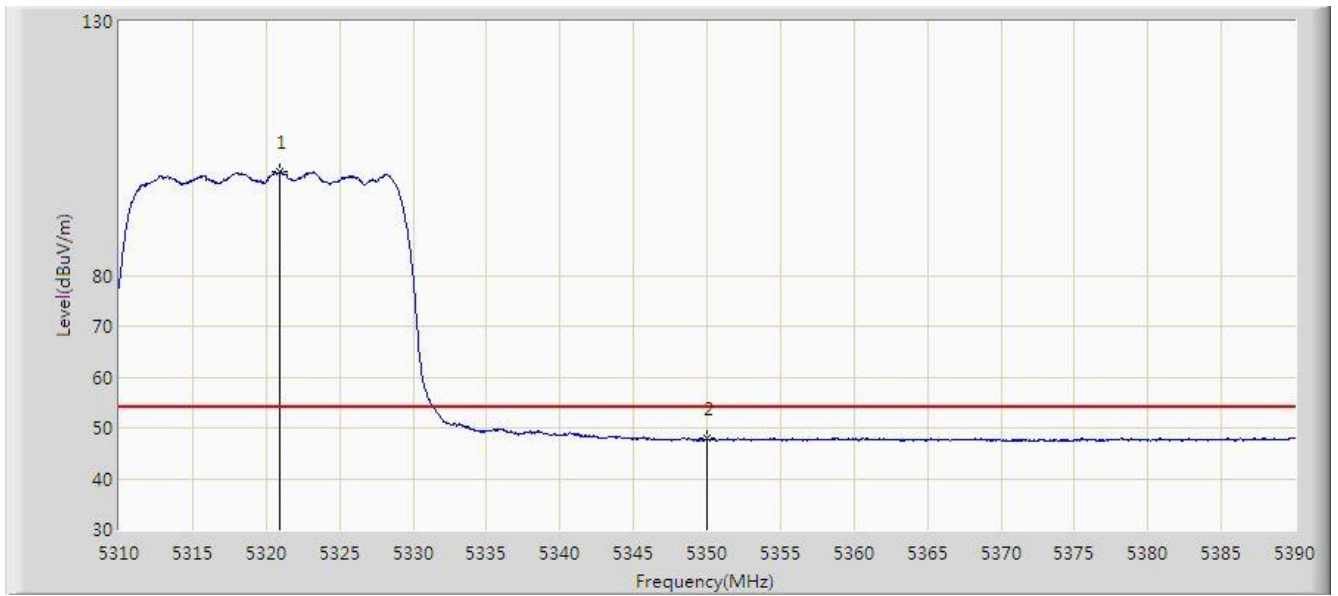


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5325.960	110.922	104.258	N/A	N/A	6.665	PK
2			5350.000	59.349	52.721	-14.651	74.000	6.629	PK
3			5370.160	62.190	55.587	-11.810	74.000	6.603	PK

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

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

Site: AC1	Time: 2019/12/03 - 03:45
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5320MHz	

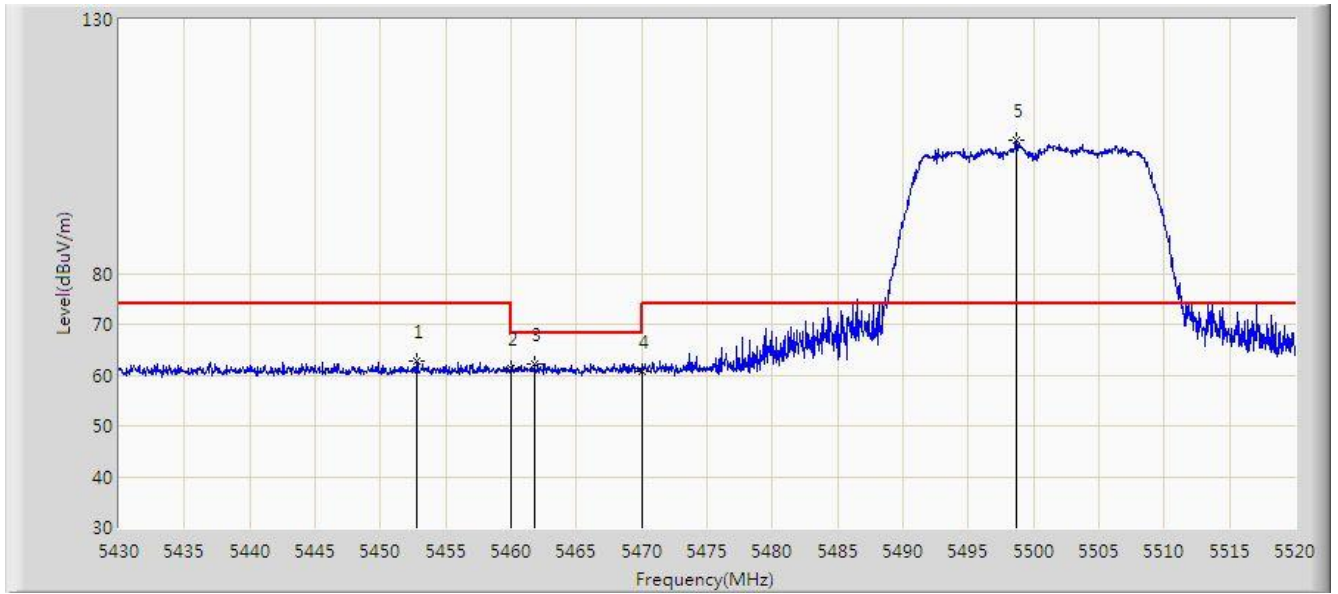


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5320.920	100.463	93.834	N/A	N/A	6.629	AV
2			5350.000	47.906	41.278	-6.094	54.000	6.629	AV

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

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

Site: AC1	Time: 2019/12/03 - 03:47
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5500MHz	

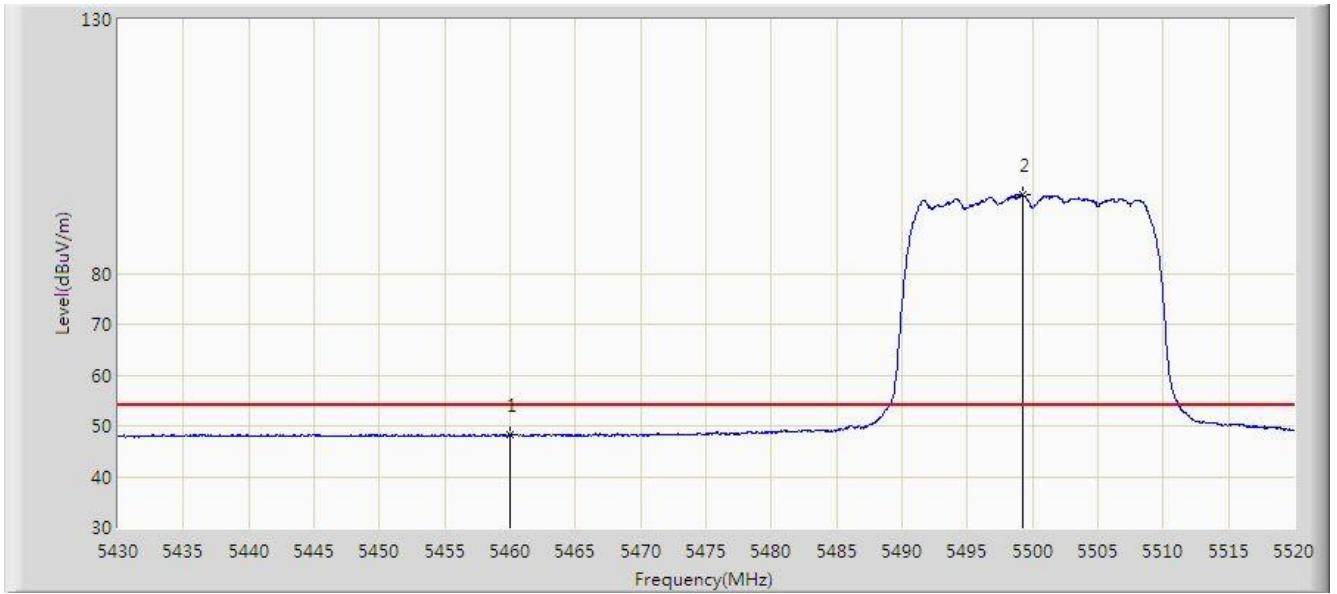


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5452.770	62.684	55.726	-11.316	74.000	6.958	PK
2			5460.000	61.179	54.202	-12.821	74.000	6.978	PK
3			5461.770	62.176	55.192	-6.024	68.200	6.984	PK
4			5470.000	60.791	53.774	-7.409	68.200	7.016	PK
5		*	5498.715	106.100	98.845	N/A	N/A	7.255	PK

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

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

Site: AC1	Time: 2019/12/03 - 03:50
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5500MHz	

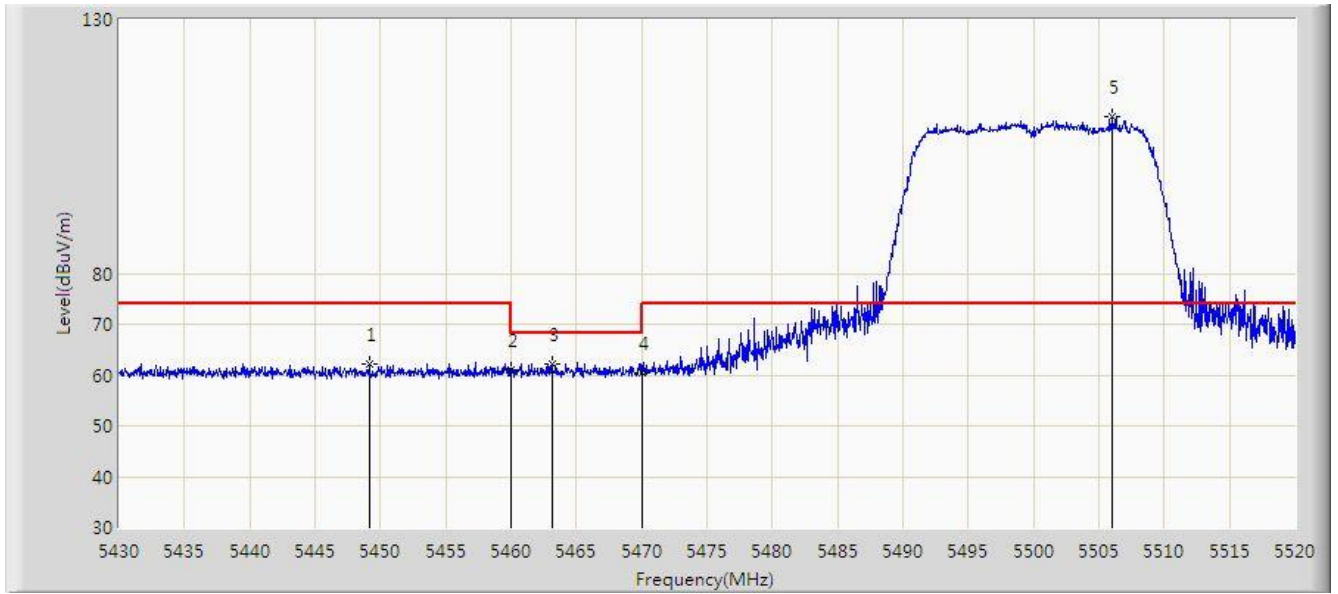


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	48.145	41.168	-5.855	54.000	6.978	AV
2		*	5499.255	95.477	88.216	N/A	N/A	7.260	AV

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

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

Site: AC1	Time: 2019/12/03 - 03:52
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5500MHz	

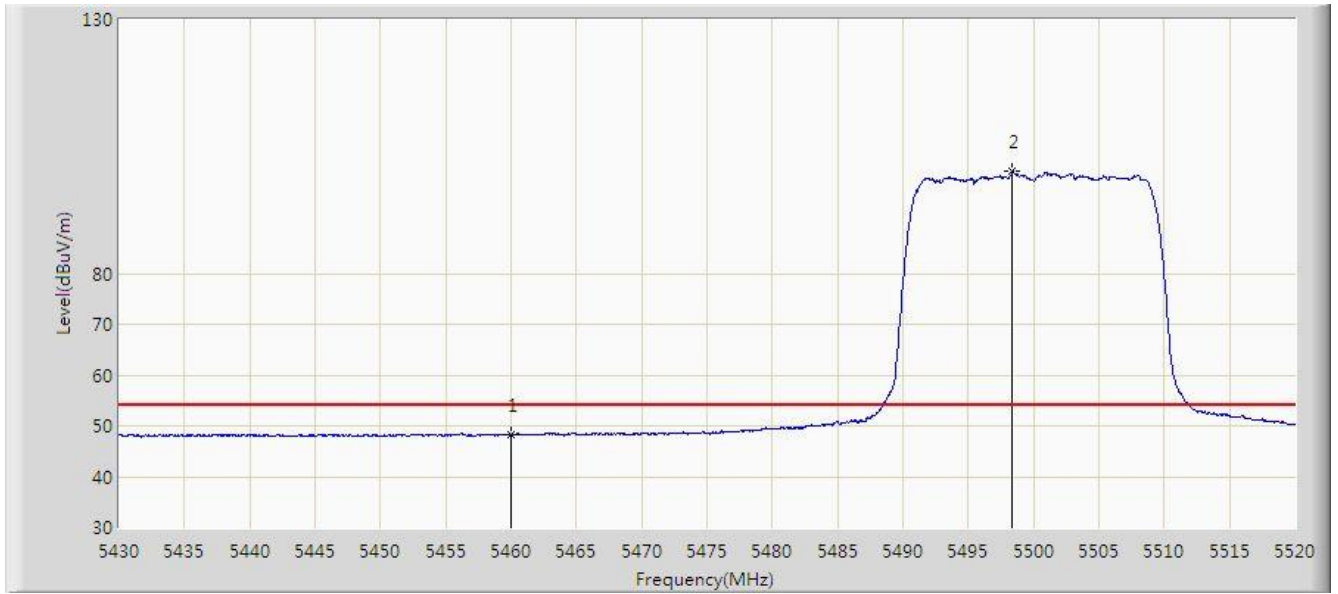


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5449.125	62.220	55.248	-11.780	74.000	6.972	PK
2			5460.000	60.889	53.912	-13.111	74.000	6.978	PK
3			5463.120	62.165	55.175	-6.035	68.200	6.989	PK
4			5470.000	60.579	53.562	-7.621	68.200	7.016	PK
5		*	5506.050	110.799	103.493	N/A	N/A	7.306	PK

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

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

Site: AC1	Time: 2019/12/03 - 03:53
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5500MHz	

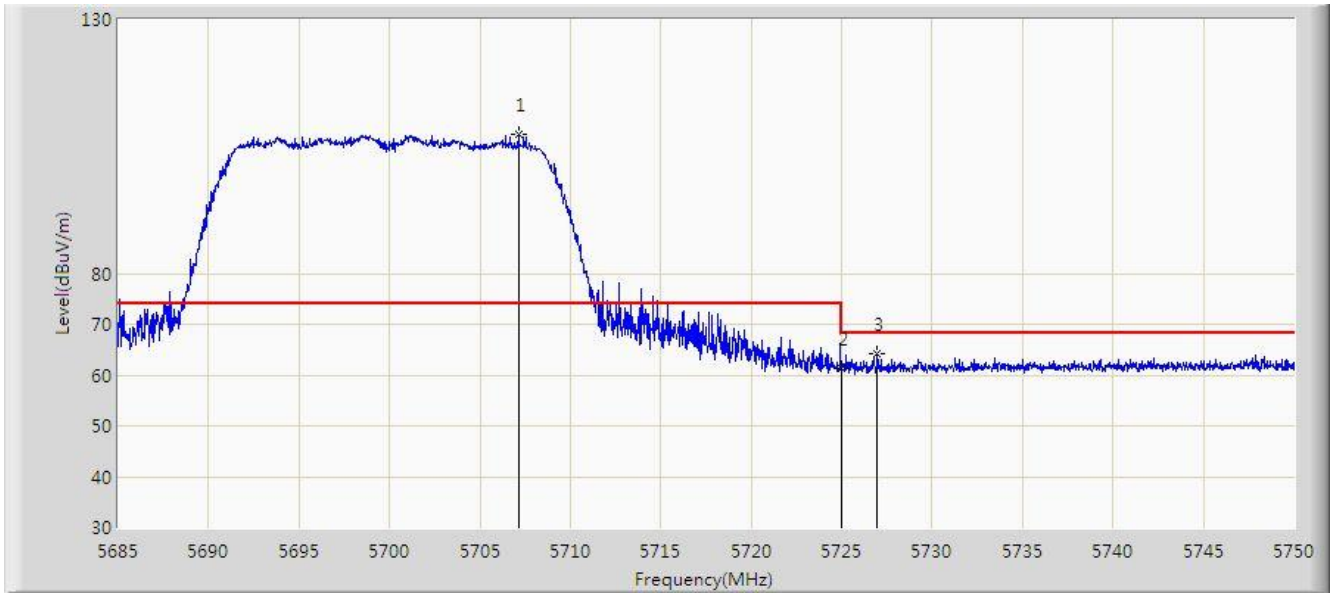


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	48.172	41.195	-5.828	54.000	6.978	AV
2		*	5498.400	100.046	92.795	N/A	N/A	7.251	AV

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

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

Site: AC1	Time: 2019/12/03 - 03:54
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5700MHz	

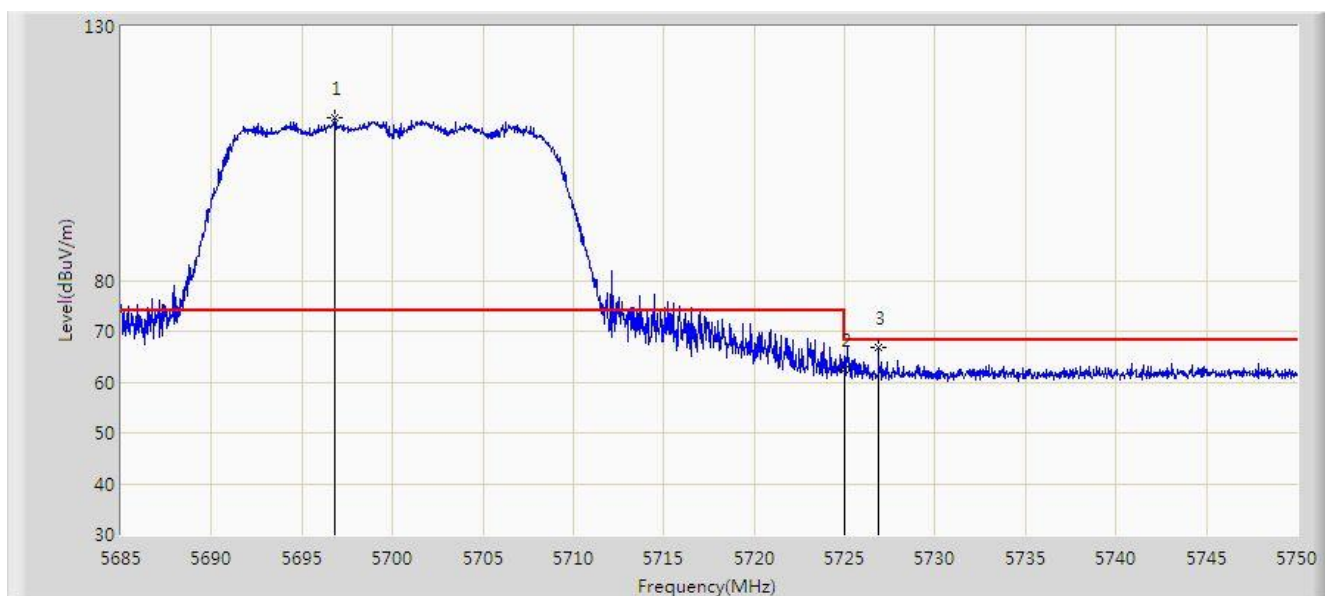


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5707.132	107.344	100.186	N/A	N/A	7.157	PK
2			5725.000	61.257	53.925	-6.943	68.200	7.332	PK
3			5726.958	64.080	56.730	-4.120	68.200	7.349	PK

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

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

Site: AC1	Time: 2019/12/03 - 03:57
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5700MHz	

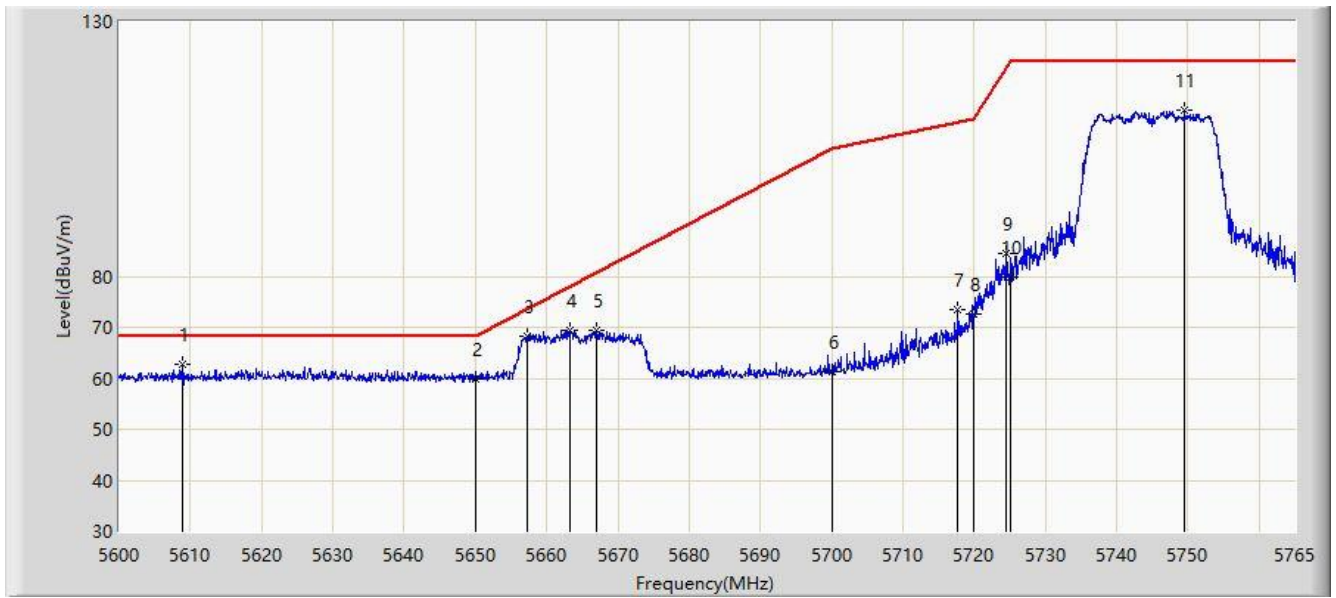


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5696.830	111.928	104.687	N/A	N/A	7.241	PK
2			5725.000	62.488	55.156	-5.712	68.200	7.332	PK
3			5726.860	66.870	59.521	-1.330	68.200	7.349	PK

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

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

Site: AC1	Time: 2019/11/30 - 03:21
Limit: FCC_Part 15.407_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5745MHz	

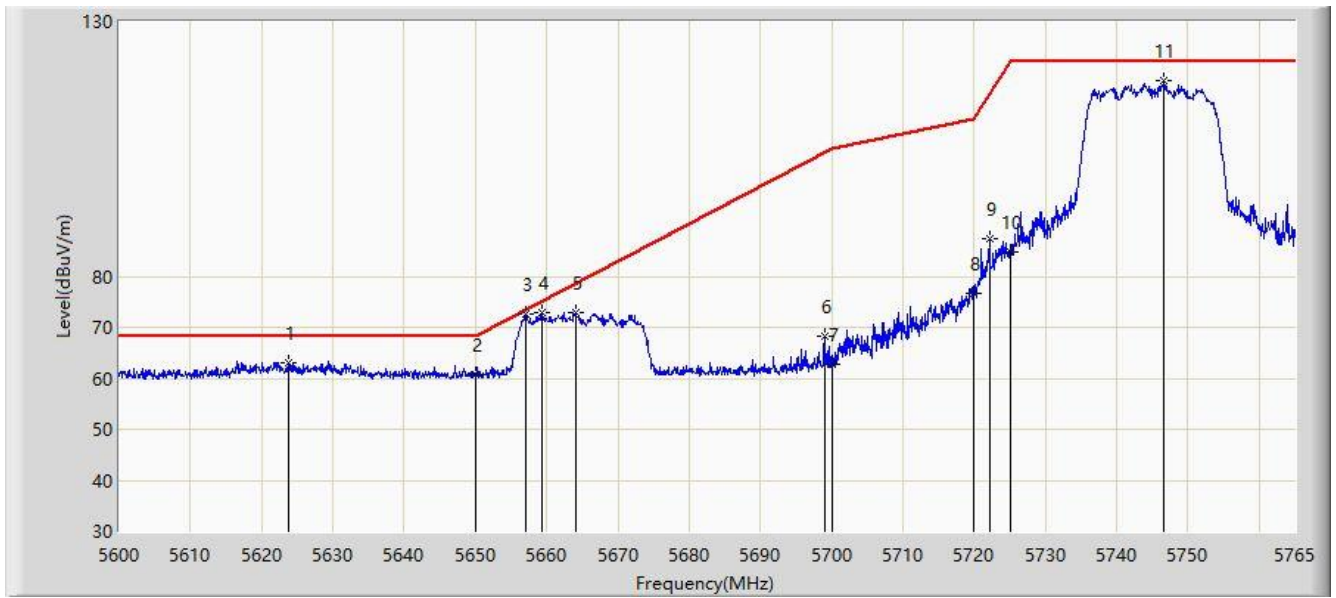


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5608.828	62.702	55.634	-5.498	68.200	7.068	PK
2			5650.000	59.838	52.698	-8.362	68.200	7.140	PK
3		*	5657.337	68.401	61.104	-5.248	73.650	7.297	PK
4			5663.195	69.560	62.248	-8.436	77.996	7.312	PK
5			5666.990	69.304	60.277	-11.505	80.809	9.028	PK
6			5700.000	61.300	54.085	-43.900	105.200	7.215	PK
7			5717.728	73.559	64.548	-36.606	110.165	9.011	PK
8			5720.000	72.690	65.417	-38.110	110.800	7.273	PK
9			5724.493	84.559	75.489	-36.486	121.044	9.070	PK
10			5725.000	79.748	72.416	-42.452	122.200	7.332	PK
11			5749.490	112.494	105.055	N/A	N/A	7.439	PK

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

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

Site: AC1	Time: 2019/11/30 - 03:19
Limit: FCC_Part 15.407_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5745MHz	

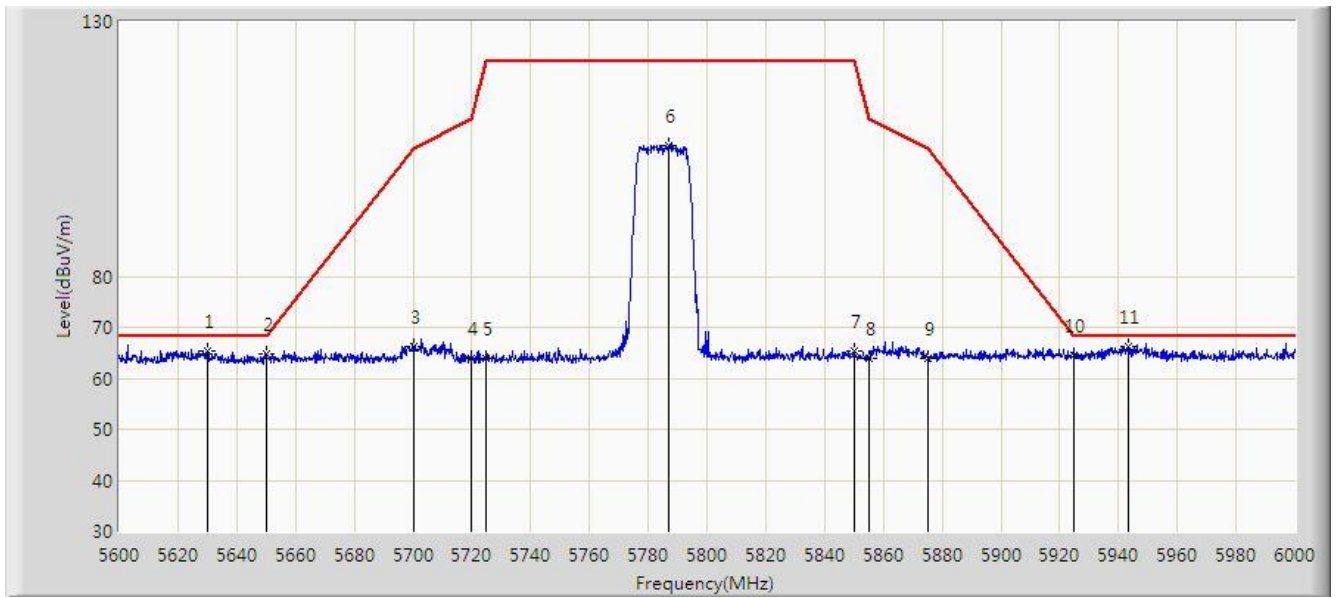


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5623.842	63.116	56.084	-5.084	68.200	7.032	PK
2			5650.000	60.868	53.728	-7.332	68.200	7.140	PK
3		*	5657.007	72.708	65.418	-0.696	73.405	7.290	PK
4			5659.317	72.788	63.774	-2.332	75.119	9.014	PK
5			5664.103	72.782	63.760	-5.887	78.669	9.023	PK
6			5699.000	68.205	59.214	-36.258	104.463	8.991	PK
7			5700.000	62.609	55.394	-42.591	105.200	7.215	PK
8			5720.000	76.723	69.450	-34.077	110.800	7.273	PK
9			5722.100	87.520	78.471	-28.069	115.589	9.049	PK
10			5725.000	84.826	77.494	-37.374	122.200	7.332	PK
11			5746.685	118.382	110.940	N/A	N/A	7.441	PK

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

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

Site: AC1	Time: 2019/12/03 - 13:52
Limit: FCC_Part 15.407_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5785MHz	

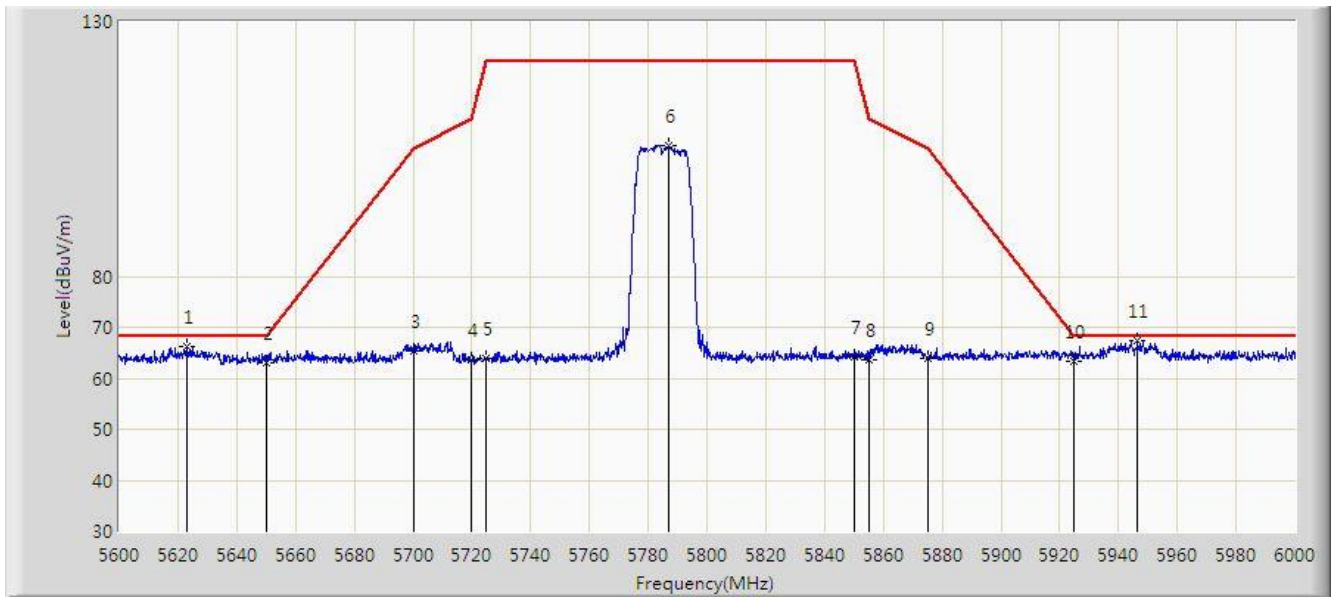


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5630.000	65.397	58.395	-2.803	68.200	7.002	PK
2			5650.000	64.666	57.526	-3.534	68.200	7.140	PK
3			5700.000	66.196	58.981	-39.004	105.200	7.215	PK
4			5720.000	63.776	56.503	-47.024	110.800	7.273	PK
5			5725.000	64.034	56.702	-58.166	122.200	7.332	PK
6			5786.800	105.704	98.186	N/A	N/A	7.517	PK
7			5850.000	65.257	57.565	-56.943	122.200	7.692	PK
8			5855.000	63.957	56.313	-46.843	110.800	7.644	PK
9			5875.000	64.019	56.417	-41.181	105.200	7.602	PK
10			5925.000	64.486	56.660	-3.714	68.200	7.826	PK
11		*	5943.200	66.293	58.584	-1.907	68.200	7.709	PK

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

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

Site: AC1	Time: 2019/12/03 - 13:56
Limit: FCC_Part 15.407_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5785MHz	

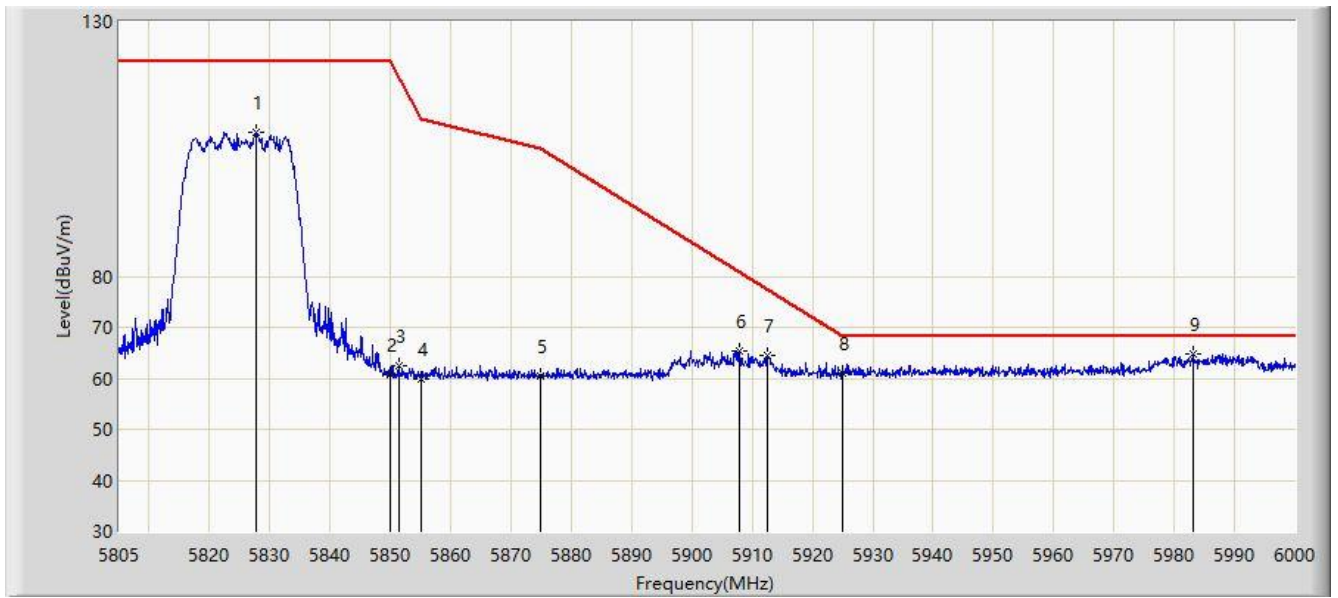


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5623.000	66.369	59.335	-1.831	68.200	7.034	PK
2			5650.000	62.955	55.815	-5.245	68.200	7.140	PK
3			5700.000	65.418	58.203	-39.782	105.200	7.215	PK
4			5720.000	63.718	56.445	-47.082	110.800	7.273	PK
5			5725.000	63.900	56.568	-58.300	122.200	7.332	PK
6			5786.800	105.704	98.186	N/A	N/A	7.517	PK
7			5850.000	64.195	56.503	-58.005	122.200	7.692	PK
8			5855.000	63.589	55.945	-47.211	110.800	7.644	PK
9			5875.000	63.840	56.238	-41.360	105.200	7.602	PK
10			5925.000	63.428	55.602	-4.772	68.200	7.826	PK
11		*	5946.400	67.450	59.764	-0.750	68.200	7.686	PK

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

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

Site: AC1	Time: 2019/11/30 - 03:26
Limit: FCC_Part 15.407_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5825MHz	

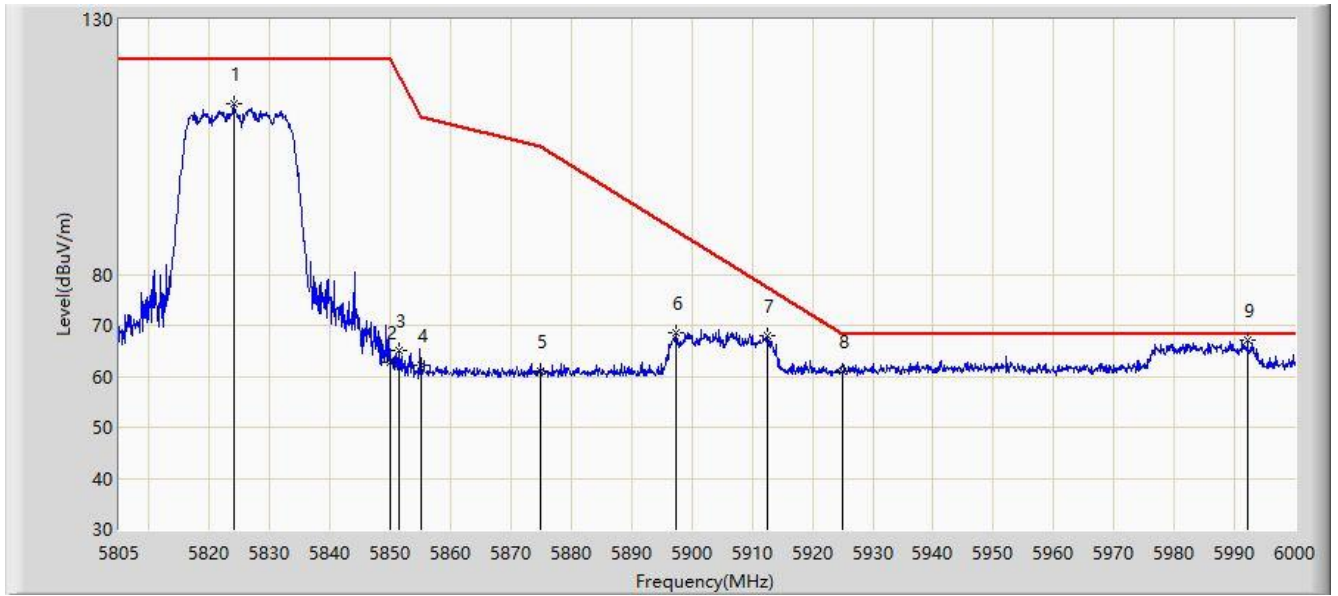


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5827.620	108.136	100.376	N/A	N/A	7.760	PK
2			5850.000	60.867	53.175	-61.333	122.200	7.692	PK
3			5851.410	62.543	53.184	-56.441	118.984	9.359	PK
4			5855.000	59.904	52.260	-50.896	110.800	7.644	PK
5			5875.000	60.553	52.951	-44.647	105.200	7.602	PK
6			5907.862	65.378	55.770	-15.469	80.847	9.608	PK
7			5912.542	64.379	56.500	-13.010	77.390	7.879	PK
8			5925.000	60.992	53.166	-7.208	68.200	7.826	PK
9		*	5983.132	64.836	57.090	-3.364	68.200	7.745	PK

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

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

Site: AC1	Time: 2019/11/30 - 03:25
Limit: FCC_Part 15.407_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5825MHz	

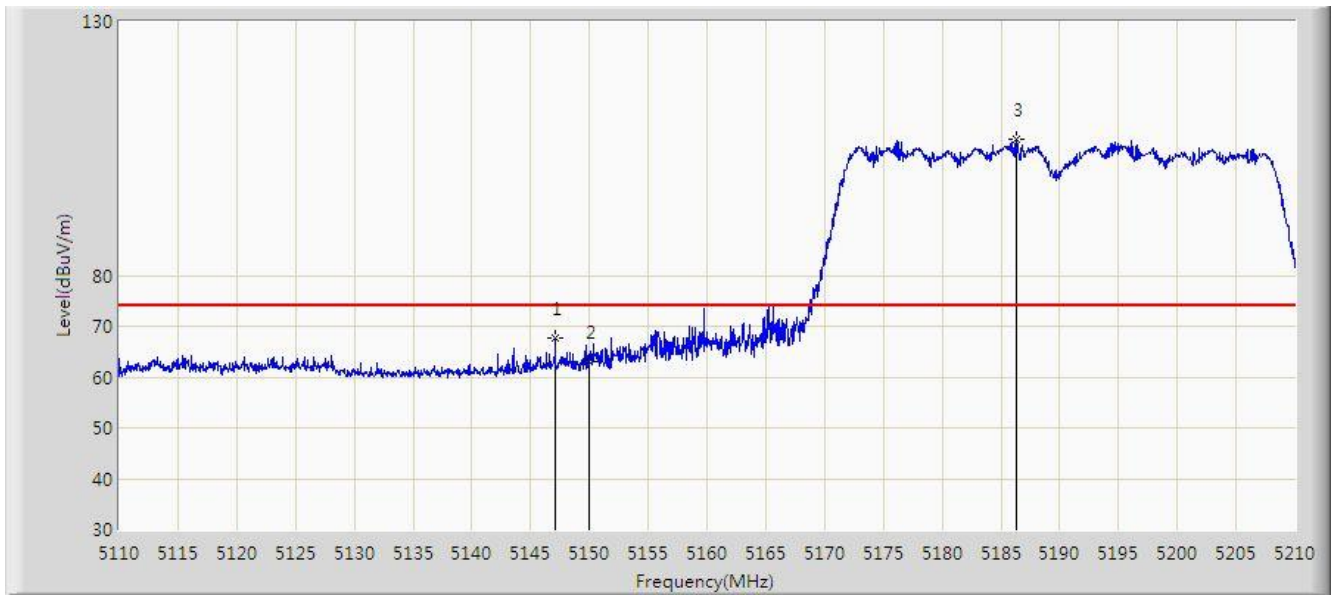


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5824.013	113.570	105.877	N/A	N/A	7.693	PK
2			5850.000	62.702	55.010	-59.498	122.200	7.692	PK
3			5851.312	65.020	55.660	-54.187	119.208	9.361	PK
4			5855.000	62.154	54.510	-48.646	110.800	7.644	PK
5			5875.000	61.072	53.470	-44.128	105.200	7.602	PK
6			5897.333	68.609	60.928	-20.025	88.635	7.682	PK
7			5912.445	67.827	59.949	-9.634	77.461	7.878	PK
8			5925.000	60.913	53.087	-7.287	68.200	7.826	PK
9		*	5992.200	67.145	59.294	-1.055	68.200	7.851	PK

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

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

Site: AC1	Time: 2019/11/30 - 03:35
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz	

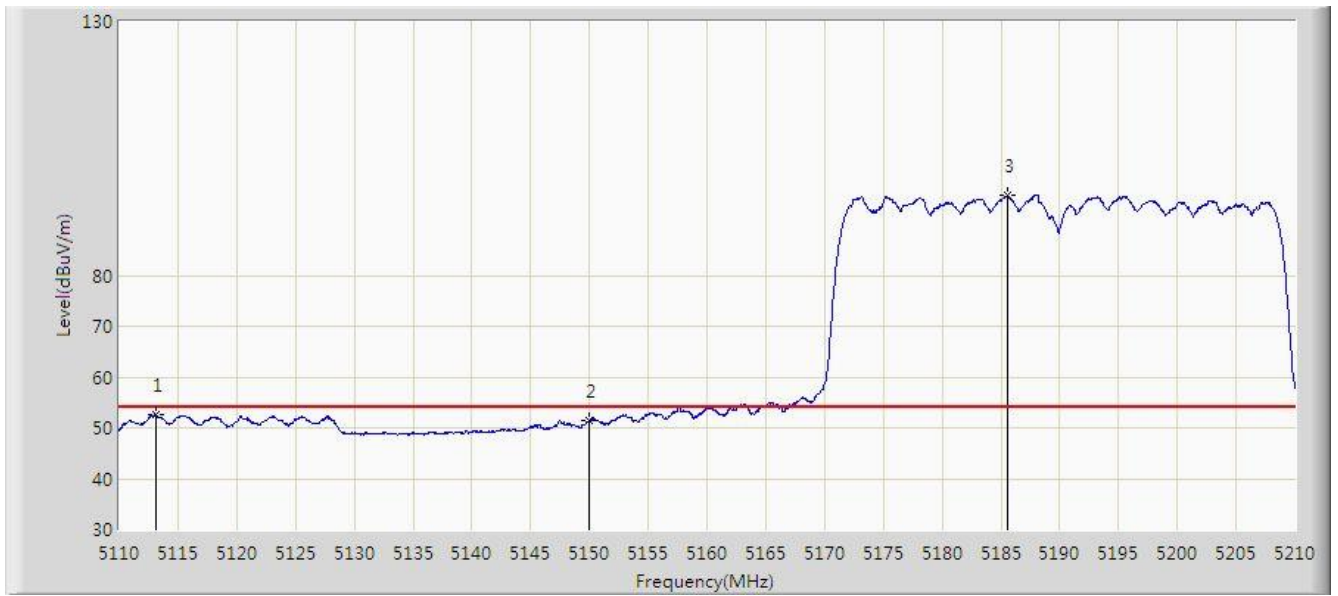


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5147.100	67.802	61.007	-6.198	74.000	6.796	PK
2			5150.000	63.127	56.328	-10.873	74.000	6.799	PK
3		*	5186.350	106.737	100.015	N/A	N/A	6.722	PK

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: 2019/11/30 - 03:36
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz	

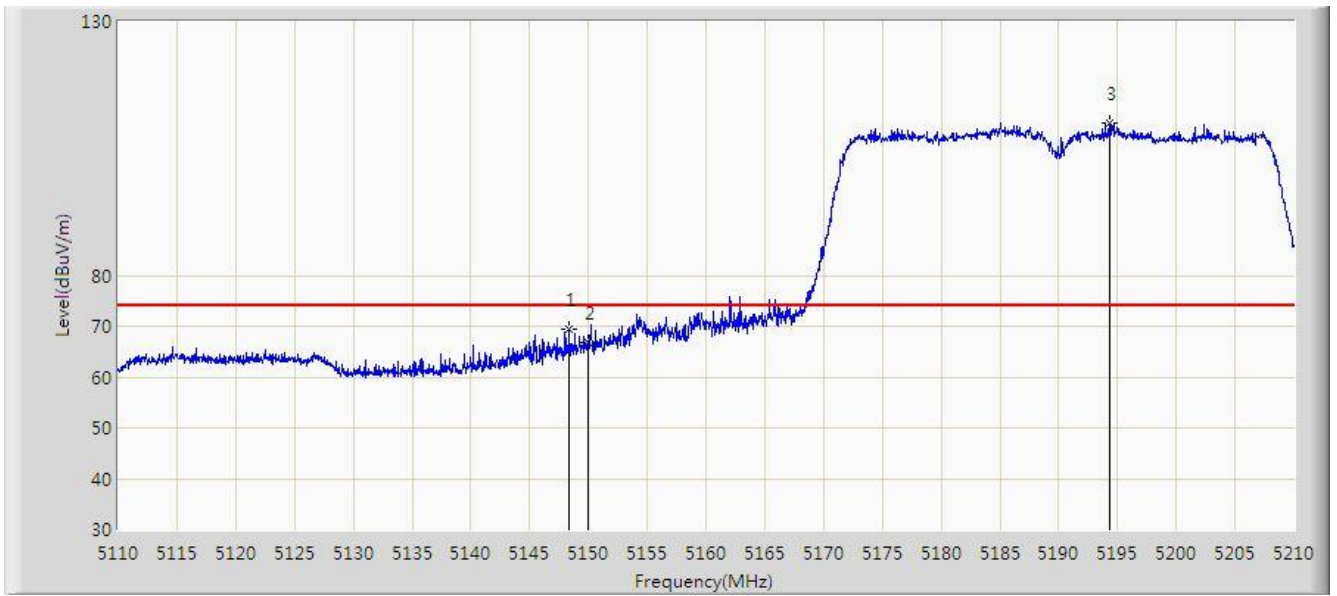


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5113.100	52.539	45.896	-1.461	54.000	6.643	AV
2			5150.000	51.425	44.626	-2.575	54.000	6.799	AV
3		*	5185.550	95.691	88.956	N/A	N/A	6.735	AV

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

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

Site: AC1	Time: 2019/11/30 - 03:34
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz	

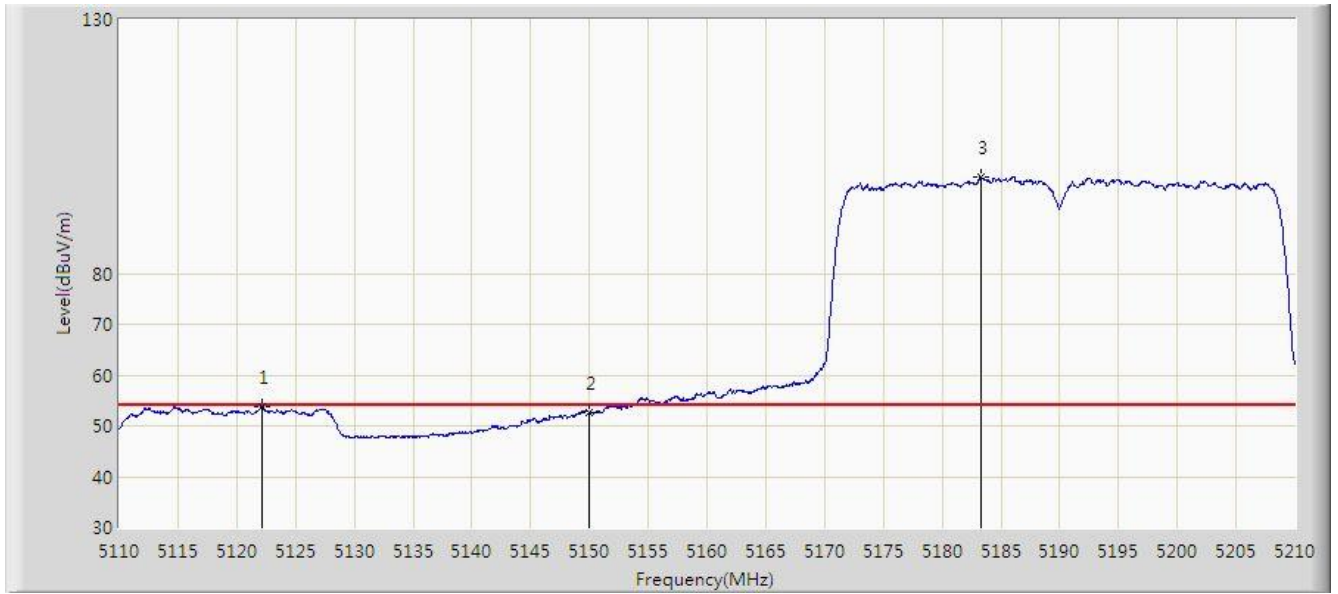


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.400	69.372	62.579	-4.628	74.000	6.793	PK
2			5150.000	66.785	59.986	-7.215	74.000	6.799	PK
3		*	5194.350	110.116	103.518	N/A	N/A	6.598	PK

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

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

Site: AC1	Time: 2019/11/30 - 03:33
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz	

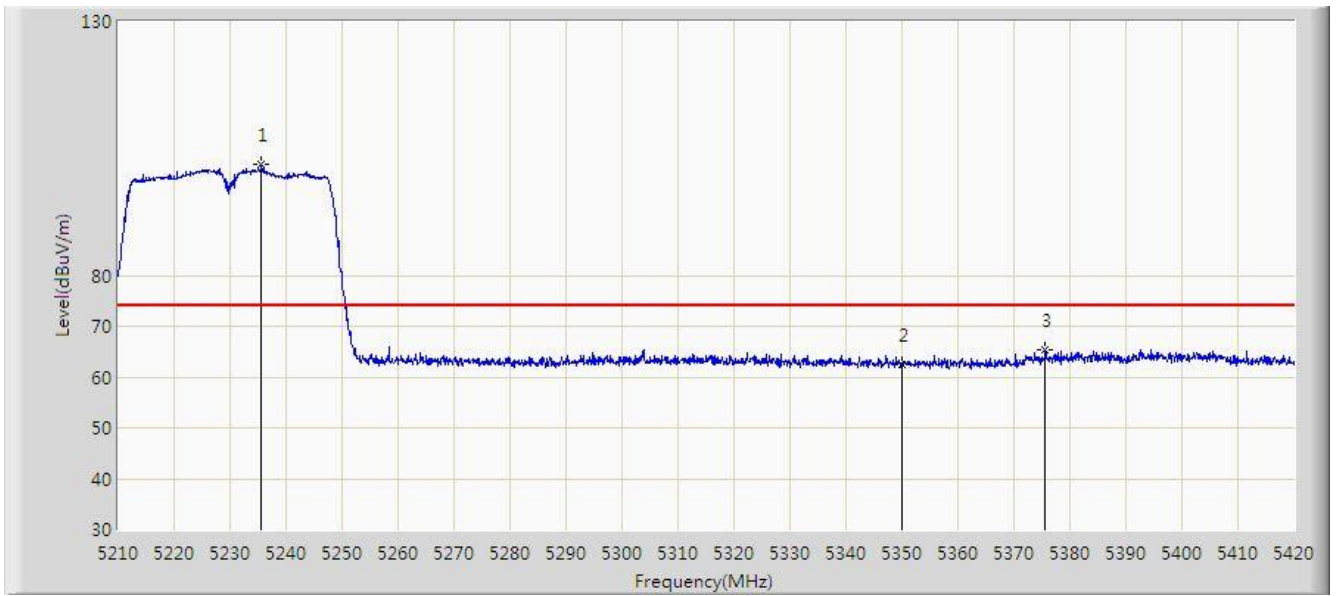


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5122.150	53.851	47.110	-0.149	54.000	6.741	AV
2			5150.000	52.535	45.736	-1.465	54.000	6.799	AV
3		*	5183.350	98.868	92.099	N/A	N/A	6.768	AV

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

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

Site: AC1	Time: 2019/12/03 - 14:28
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5230MHz	

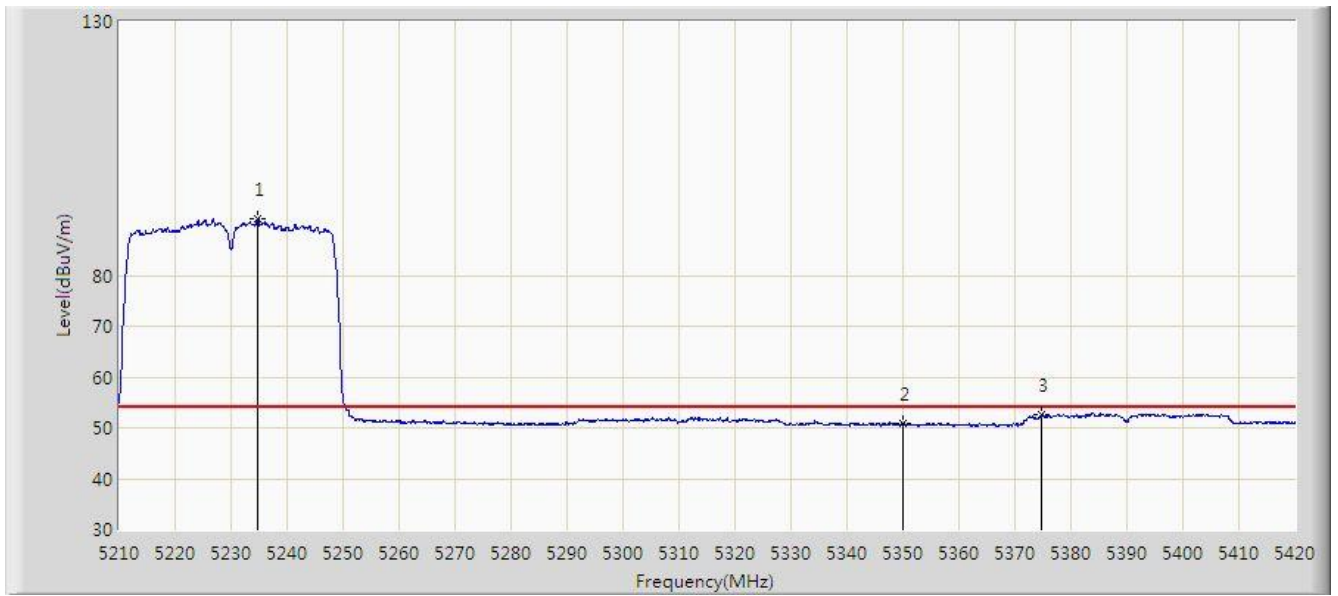


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5235.620	101.844	95.098	N/A	N/A	6.746	PK
2			5350.000	62.530	55.902	-11.470	74.000	6.629	PK
3			5375.585	65.286	58.635	-8.714	74.000	6.650	PK

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

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

Site: AC1	Time: 2019/12/03 - 14:29
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5230MHz	

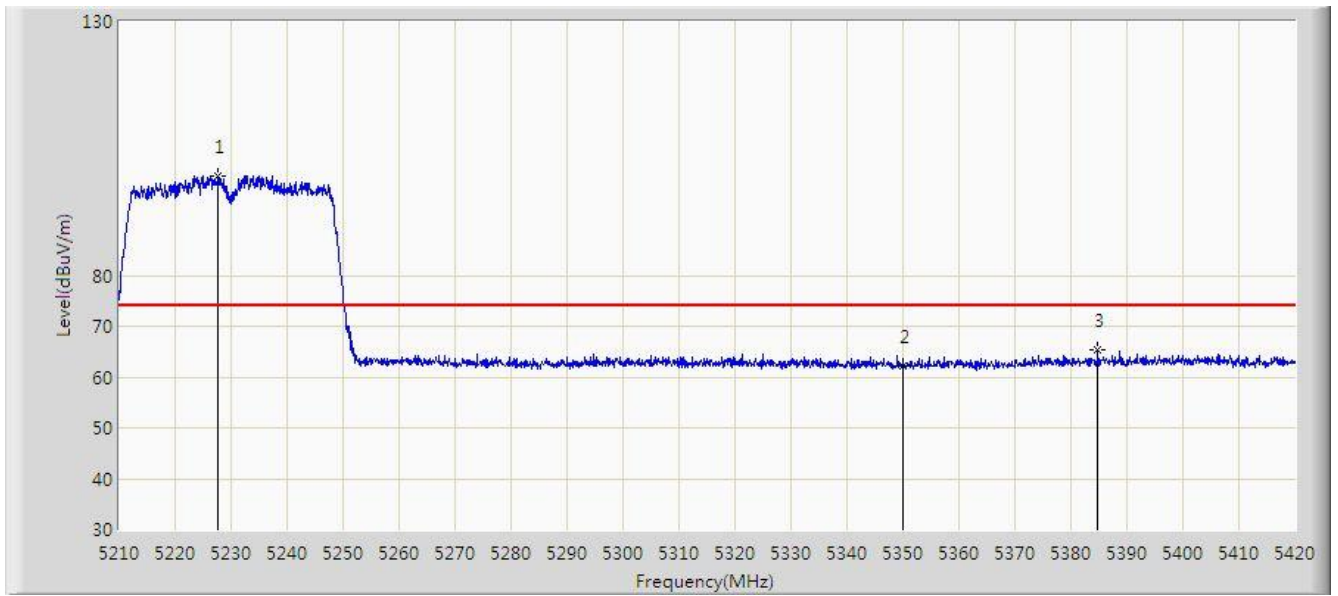


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5234.780	91.116	84.367	N/A	N/A	6.750	AV
2			5350.000	50.809	44.181	-3.191	54.000	6.629	AV
3			5374.745	52.590	45.947	-1.410	54.000	6.643	AV

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

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

Site: AC1	Time: 2019/12/03 - 14:30
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5230MHz	

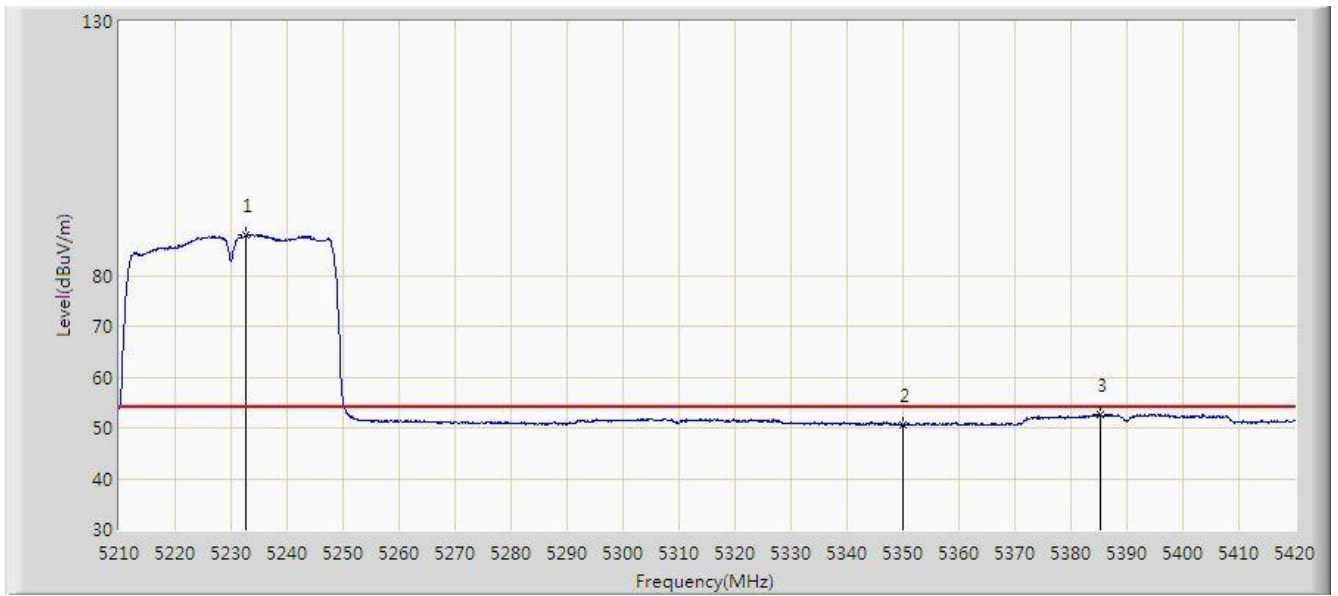


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5227.745	99.490	92.826	N/A	N/A	6.665	PK
2			5350.000	62.304	55.676	-11.696	74.000	6.629	PK
3			5384.825	65.309	58.577	-8.691	74.000	6.732	PK

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

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

Site: AC1	Time: 2019/12/03 - 14:32
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5230MHz	

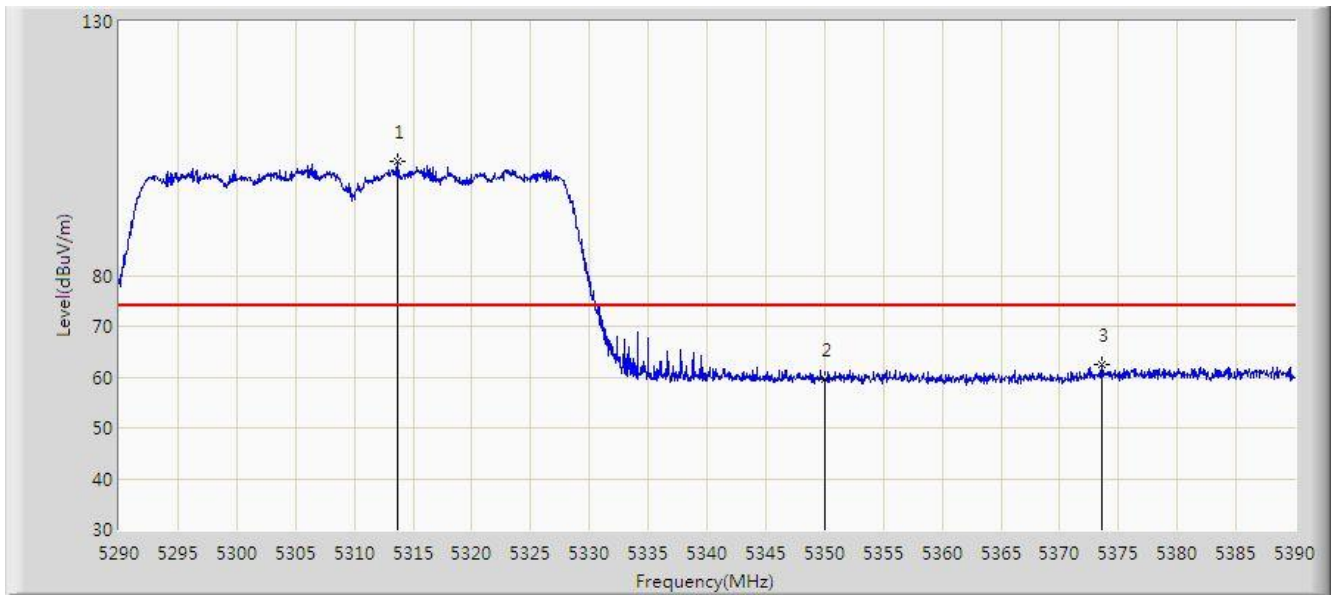


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5232.575	87.951	81.202	N/A	N/A	6.749	AV
2			5350.000	50.681	44.053	-3.319	54.000	6.629	AV
3			5385.245	52.530	45.794	-1.470	54.000	6.735	AV

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

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

Site: AC1	Time: 2019/12/03 - 04:06
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5310MHz	

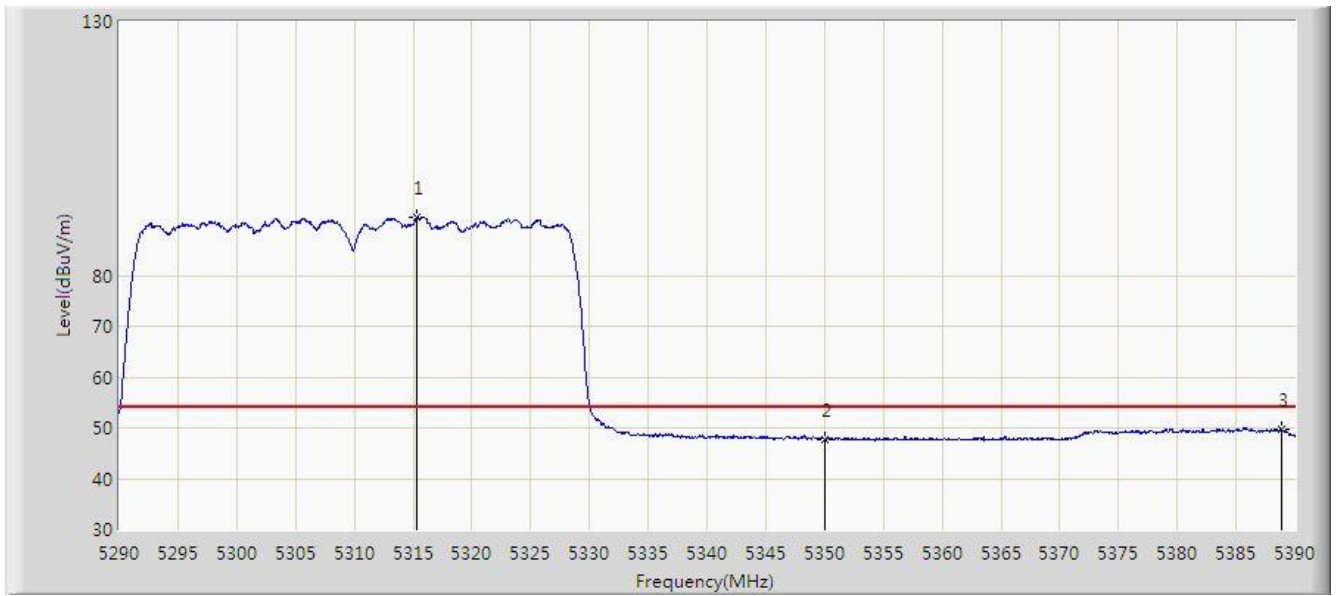


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5313.650	102.329	95.712	N/A	N/A	6.618	PK
2			5350.000	59.554	52.926	-14.446	74.000	6.629	PK
3			5373.600	62.380	55.747	-11.620	74.000	6.633	PK

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

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

Site: AC1	Time: 2019/12/03 - 04:07
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5310MHz	

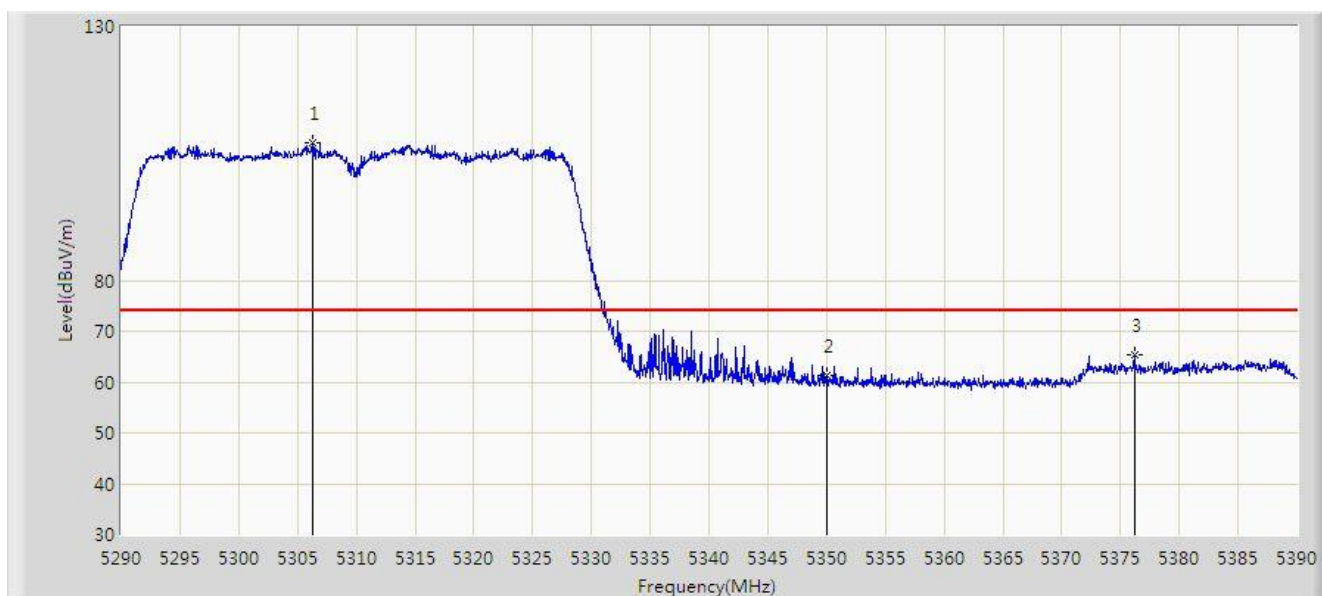


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5315.350	91.454	84.840	N/A	N/A	6.615	AV
2			5350.000	47.754	41.126	-6.246	54.000	6.629	AV
3			5388.850	49.758	42.981	-4.242	54.000	6.777	AV

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

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

Site: AC1	Time: 2019/12/03 - 04:05
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5310MHz	

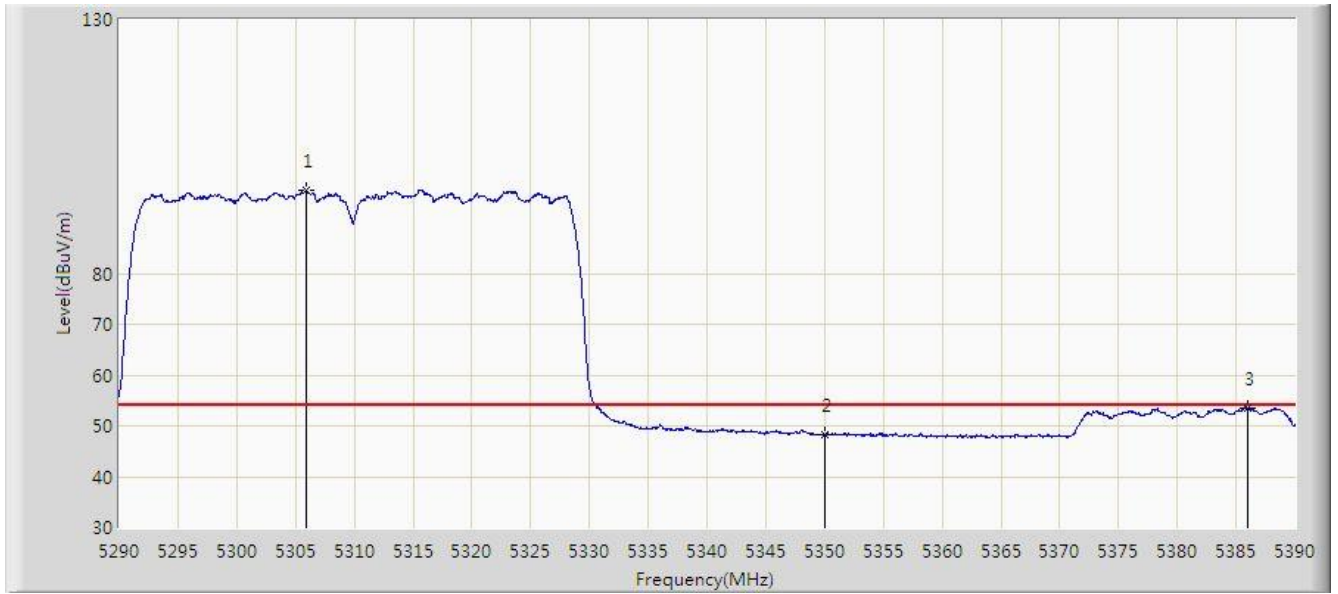


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5306.250	107.049	100.417	N/A	N/A	6.632	PK
2			5350.000	61.232	54.604	-12.768	74.000	6.629	PK
3			5376.200	65.350	58.694	-8.650	74.000	6.656	PK

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

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

Site: AC1	Time: 2019/12/03 - 04:03
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5310MHz	

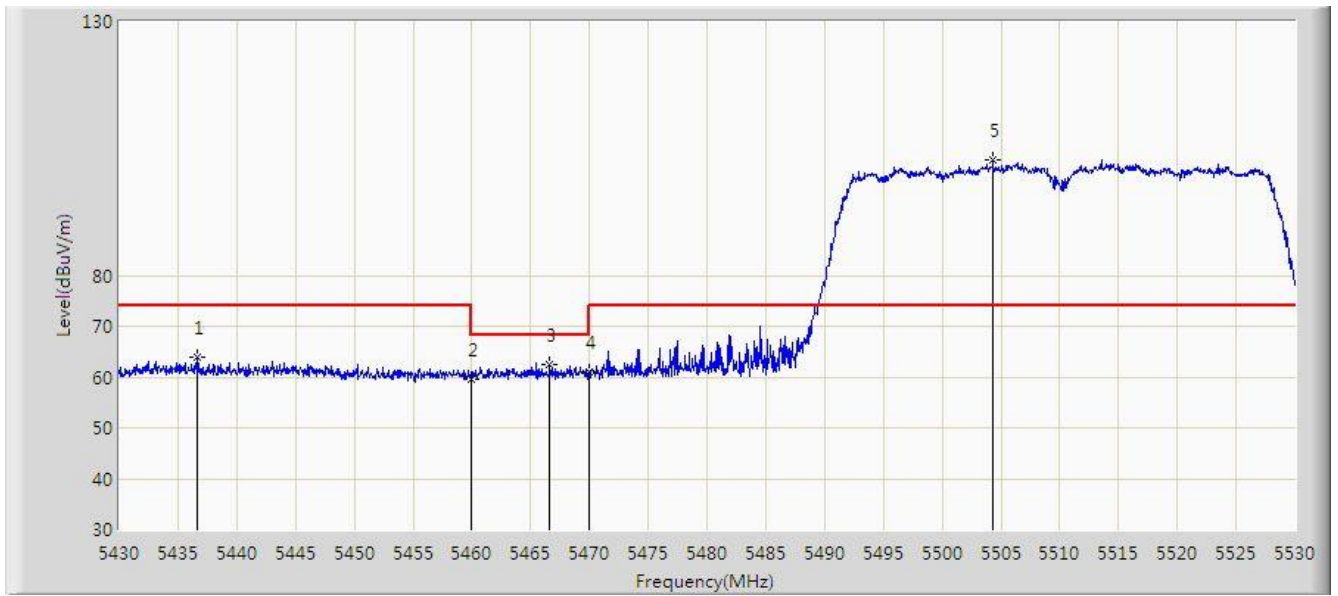


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5305.950	96.318	89.685	N/A	N/A	6.633	AV
2			5350.000	48.373	41.745	-5.627	54.000	6.629	AV
3			5386.050	53.476	46.733	-0.524	54.000	6.743	AV

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

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

Site: AC1	Time: 2019/12/03 - 04:13
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5510MHz	

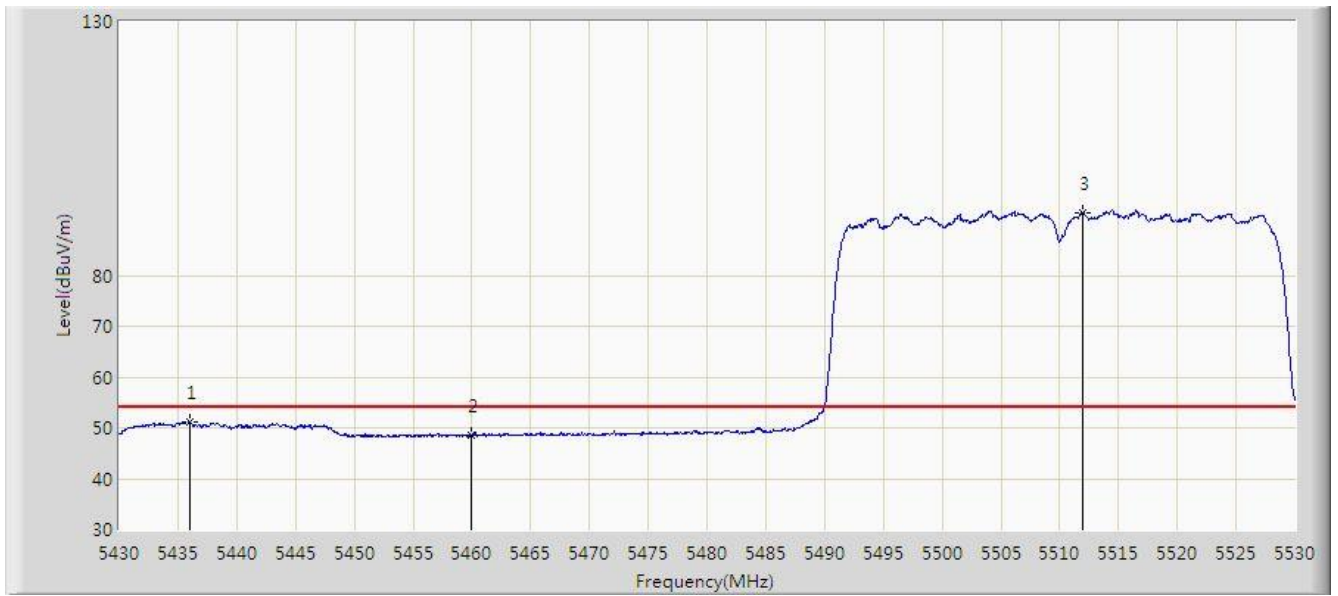


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5436.600	63.844	56.828	-10.156	74.000	7.017	PK
2			5460.000	59.546	52.569	-14.454	74.000	6.978	PK
3			5466.600	62.473	55.469	-5.727	68.200	7.004	PK
4			5470.000	60.875	53.858	-7.325	68.200	7.016	PK
5		*	5504.300	102.713	95.399	N/A	N/A	7.313	PK

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

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

Site: AC1	Time: 2019/12/03 - 04:14
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5510MHz	

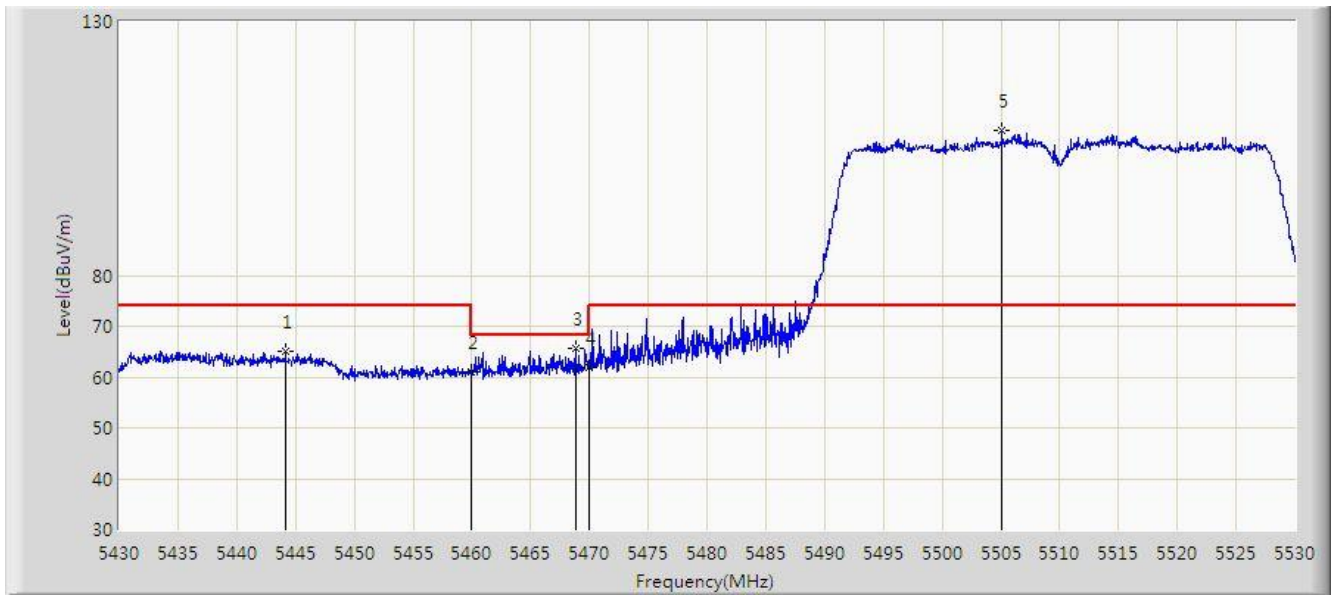


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5436.000	51.078	44.062	-2.922	54.000	7.016	AV
2			5460.000	48.569	41.592	-5.431	54.000	6.978	AV
3		*	5511.900	92.448	85.229	N/A	N/A	7.220	AV

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

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

Site: AC1	Time: 2019/12/03 - 04:10
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5510MHz	

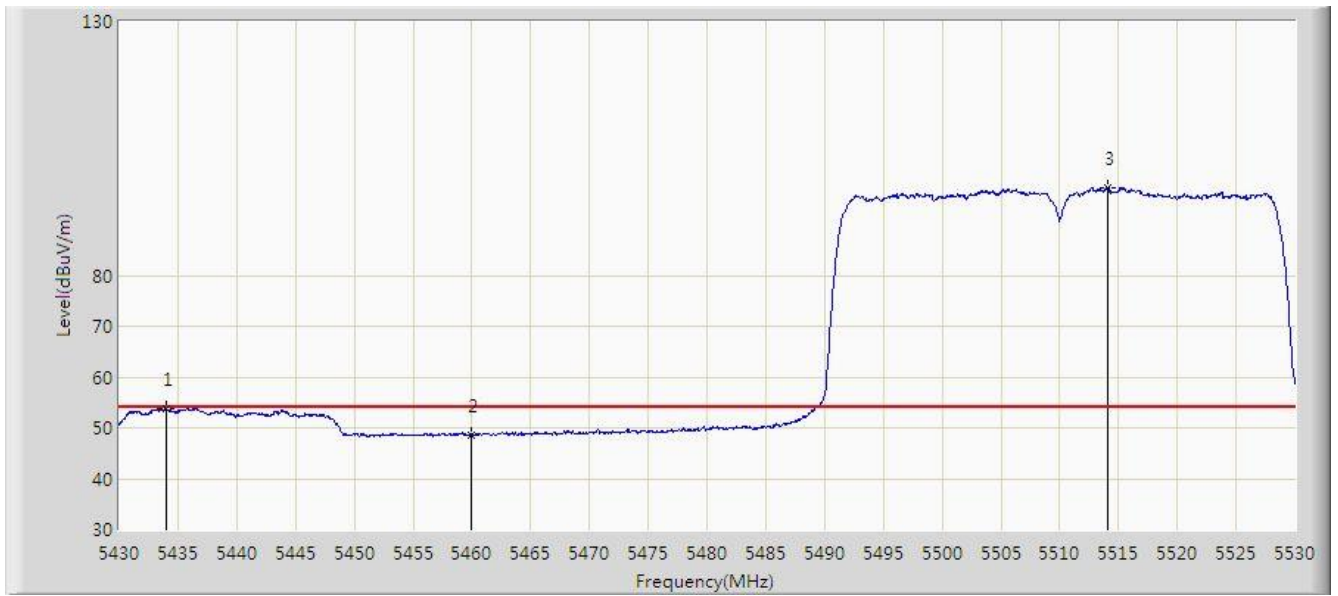


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5444.150	64.970	57.980	-9.030	74.000	6.990	PK
2			5460.000	60.873	53.896	-13.127	74.000	6.978	PK
3			5468.800	65.523	58.511	-2.677	68.200	7.013	PK
4			5470.000	62.007	54.990	-6.193	68.200	7.016	PK
5		*	5505.050	108.407	101.086	N/A	N/A	7.321	PK

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

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

Site: AC1	Time: 2019/12/03 - 04:12
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5510MHz	

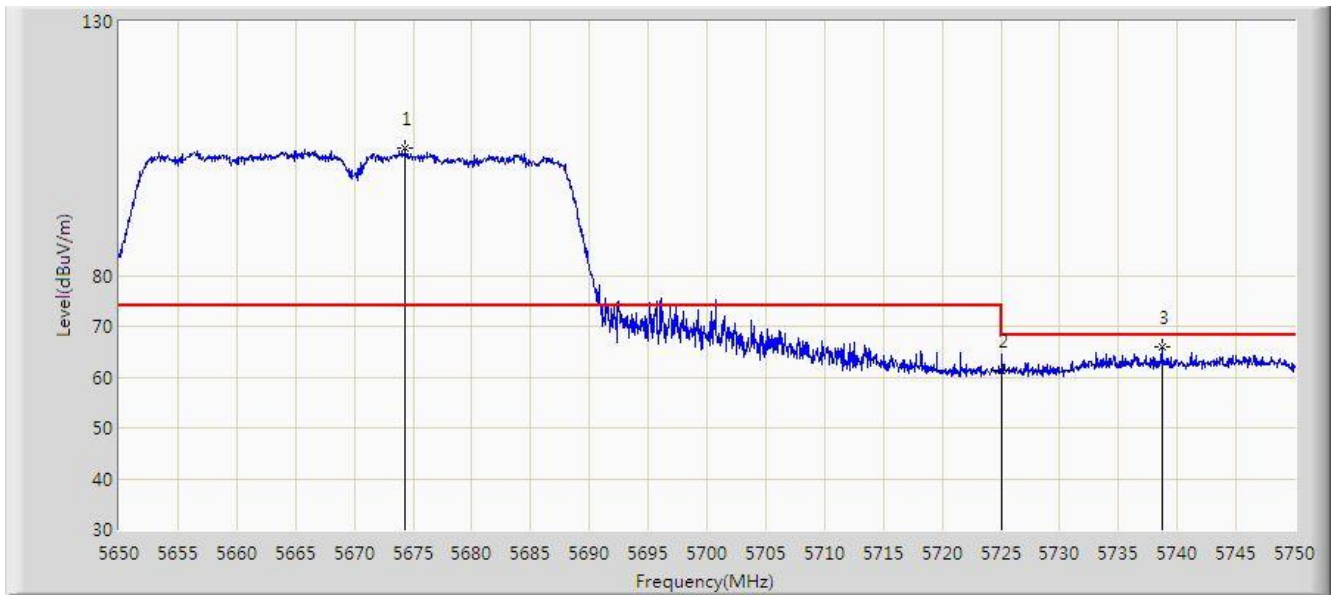


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5433.950	53.851	46.836	-0.149	54.000	7.015	AV
2			5460.000	48.601	41.624	-5.399	54.000	6.978	AV
3		*	5514.050	97.272	90.084	N/A	N/A	7.188	AV

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

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

Site: AC1	Time: 2019/12/03 - 04:18
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5670MHz	

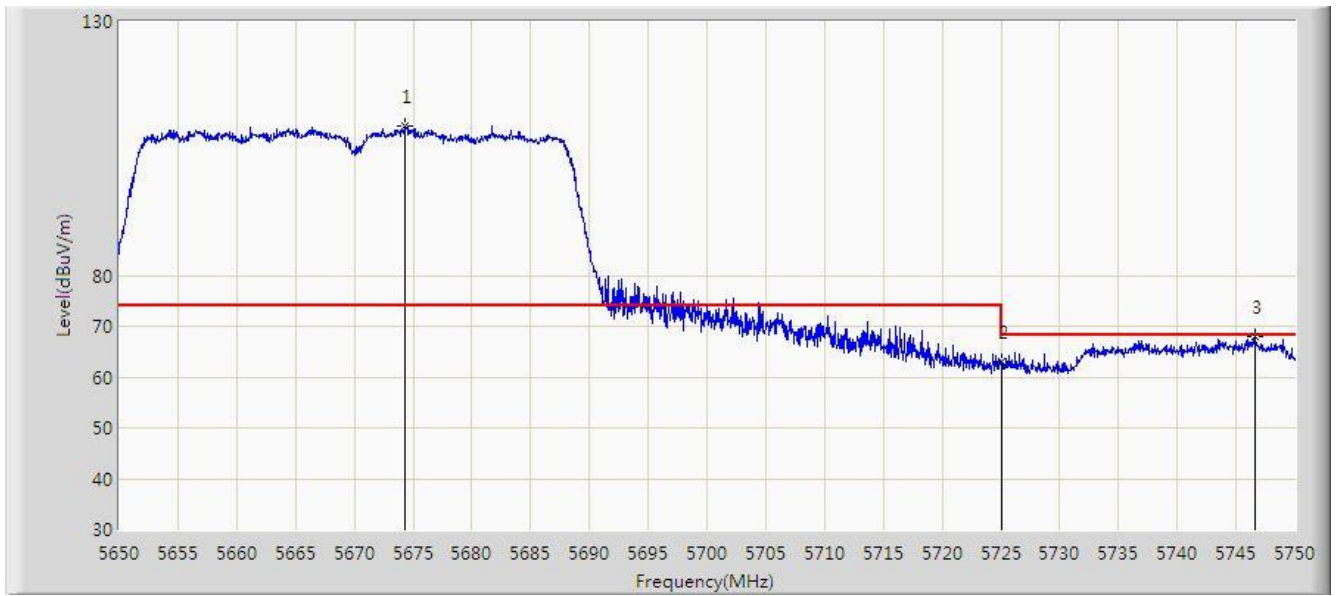


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5674.300	105.179	97.866	N/A	N/A	7.313	PK
2			5725.000	61.304	53.972	-6.896	68.200	7.332	PK
3			5738.700	65.964	58.544	-2.236	68.200	7.419	PK

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

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

Site: AC1	Time: 2019/12/03 - 04:17
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5670MHz	

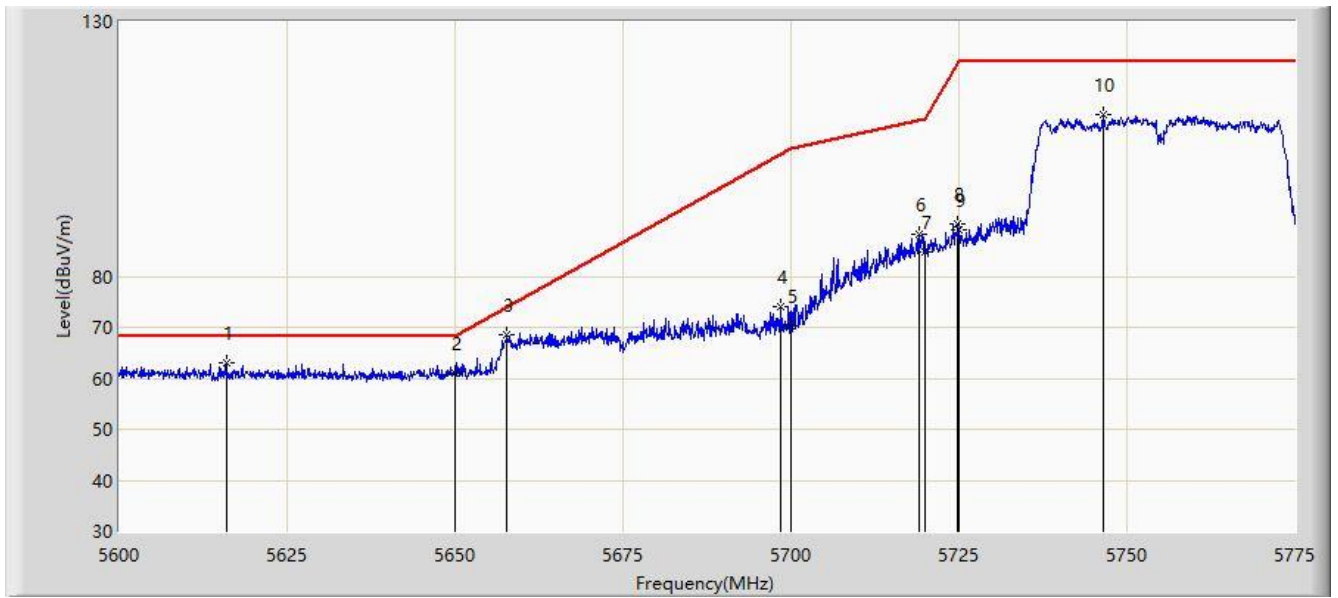


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5674.250	109.485	102.172	N/A	N/A	7.313	PK
2			5725.000	63.139	55.807	-5.061	68.200	7.332	PK
3			5746.650	67.866	60.424	-0.334	68.200	7.441	PK

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

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

Site: AC1	Time: 2019/11/30 - 03:41
Limit: FCC_Part 15.407_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5755MHz	

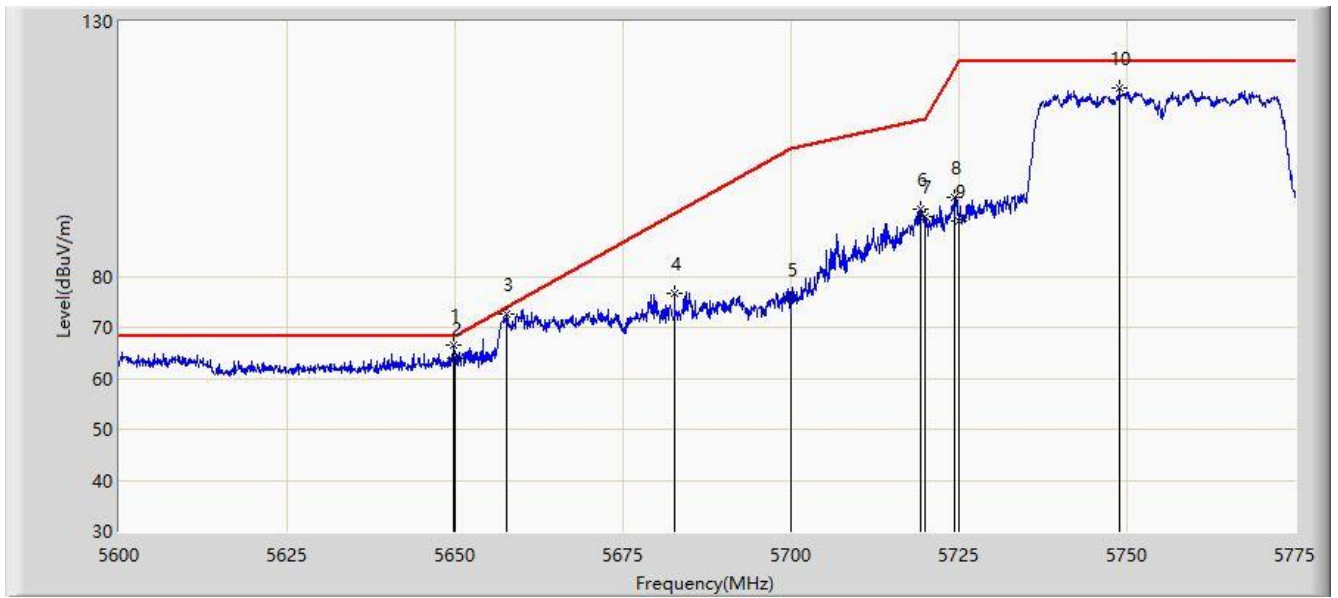


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5616.013	63.140	56.089	-5.060	68.200	7.050	PK
2			5650.000	61.113	53.973	-7.087	68.200	7.140	PK
3			5657.750	68.624	61.318	-5.332	73.956	7.307	PK
4			5698.437	74.064	65.069	-29.985	104.048	8.995	PK
5			5700.000	70.180	62.965	-35.020	105.200	7.215	PK
6			5719.000	88.315	79.293	-22.206	110.520	9.022	PK
7			5720.000	84.763	77.490	-26.037	110.800	7.273	PK
8			5724.775	90.363	81.291	-31.324	121.687	9.071	PK
9			5725.000	89.012	81.680	-33.188	122.200	7.332	PK
10			5746.388	111.712	104.270	N/A	N/A	7.441	PK

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

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

Site: AC1	Time: 2019/11/30 - 03:39
Limit: FCC_Part 15.407_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5755MHz	

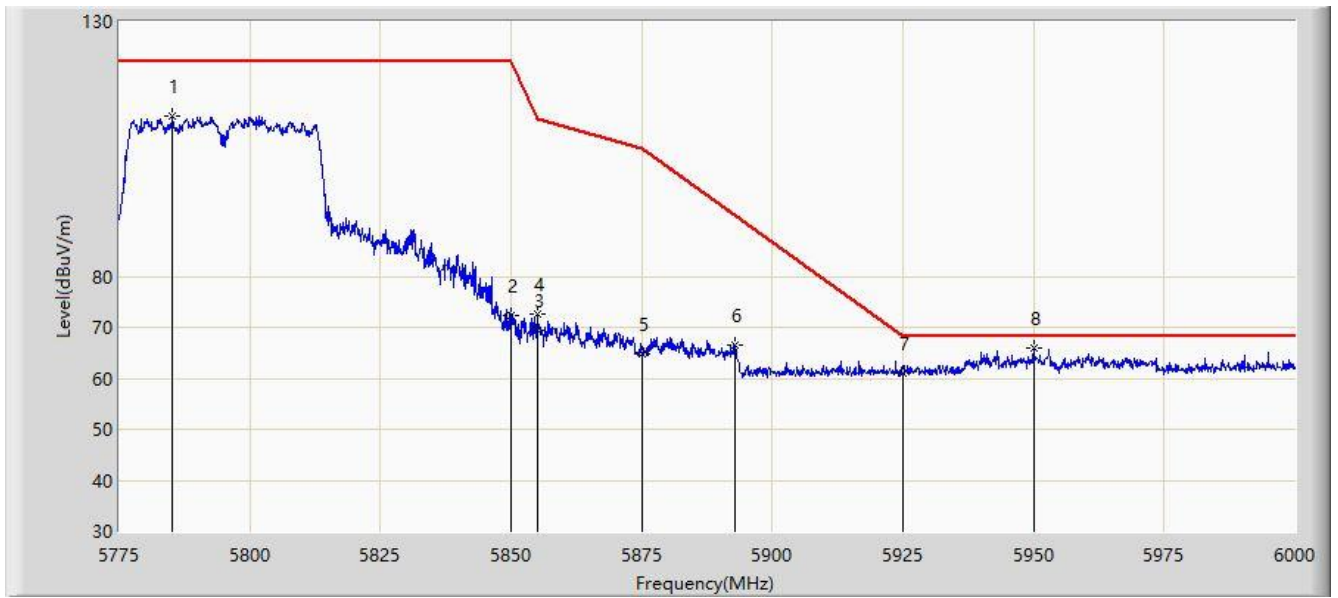


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5649.700	66.531	59.397	-1.669	68.200	7.134	PK
2			5650.000	63.970	56.830	-4.230	68.200	7.140	PK
3		*	5657.575	72.486	65.183	-1.341	73.826	7.302	PK
4			5682.687	76.780	67.743	-15.645	92.425	9.038	PK
5			5700.000	75.456	68.241	-29.744	105.200	7.215	PK
6			5719.263	93.324	84.300	-17.270	110.594	9.024	PK
7			5720.000	91.635	84.362	-19.165	110.800	7.273	PK
8			5724.250	95.445	86.377	-25.046	120.491	9.068	PK
9			5725.000	90.967	83.635	-31.233	122.200	7.332	PK
10			5748.925	116.896	109.457	N/A	N/A	7.439	PK

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

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

Site: AC1	Time: 2019/11/30 - 03:45
Limit: FCC_Part 15.407_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5795MHz	

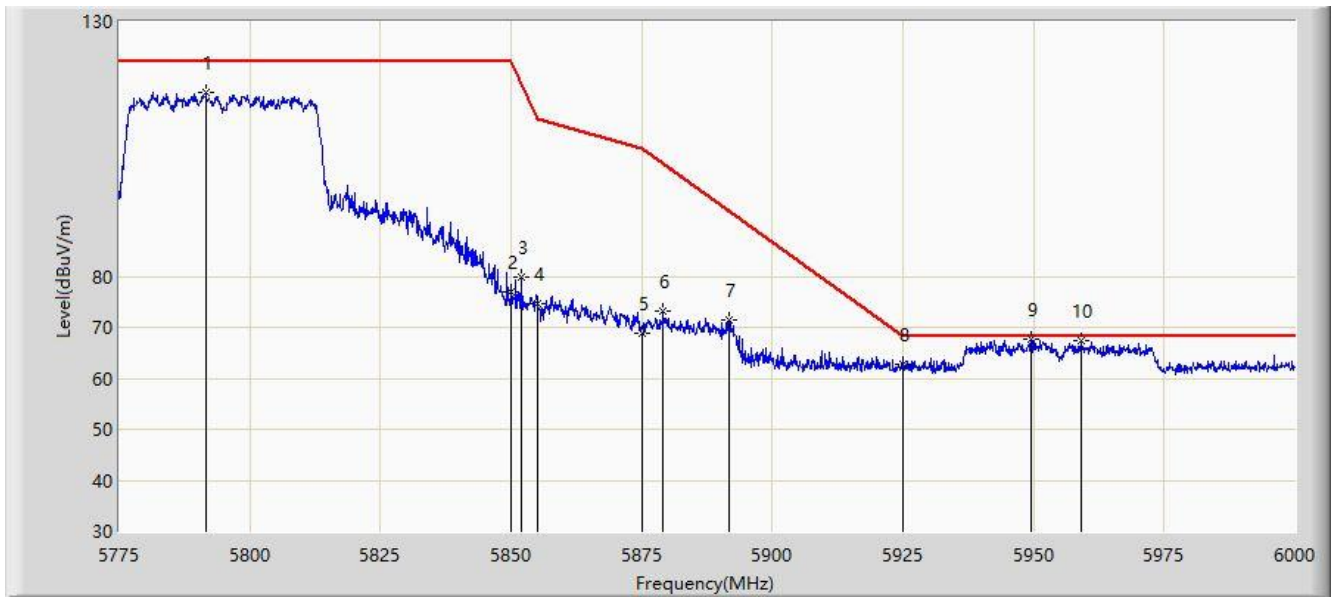


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5785.237	111.572	104.048	N/A	N/A	7.524	PK
2			5850.000	72.283	64.591	-49.917	122.200	7.692	PK
3			5855.000	69.366	61.722	-41.434	110.800	7.644	PK
4			5855.100	72.505	63.183	-38.267	110.772	9.322	PK
5			5875.000	64.721	57.119	-40.479	105.200	7.602	PK
6			5892.788	66.647	58.993	-25.354	92.001	7.654	PK
7			5925.000	60.889	53.063	-7.311	68.200	7.826	PK
8		*	5950.050	66.079	58.410	-2.121	68.200	7.669	PK

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

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

Site: AC1	Time: 2019/11/30 - 03:43
Limit: FCC_Part 15.407_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5795MHz	

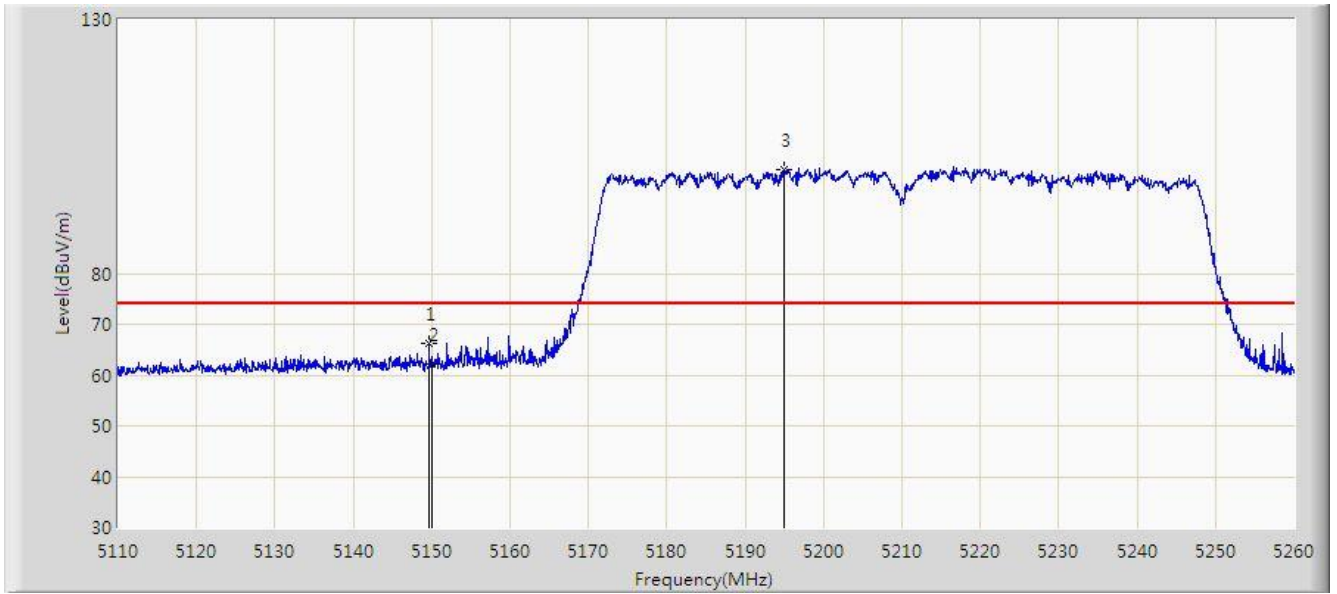


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5791.650	115.953	108.456	N/A	N/A	7.498	PK
2			5850.000	77.048	69.356	-45.152	122.200	7.692	PK
3			5851.950	79.809	70.455	-37.944	117.753	9.354	PK
4			5855.000	74.508	66.864	-36.292	110.800	7.644	PK
5			5875.000	68.819	61.217	-36.381	105.200	7.602	PK
6			5879.062	73.283	63.863	-28.899	102.182	9.420	PK
7			5891.663	71.339	63.689	-21.495	92.835	7.650	PK
8			5925.000	62.880	55.054	-5.320	68.200	7.826	PK
9		*	5949.600	67.825	60.154	-0.375	68.200	7.671	PK
10			5959.163	67.482	58.048	-0.718	68.200	9.434	PK

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

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

Site: AC1	Time: 2019/11/30 - 04:00
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz	

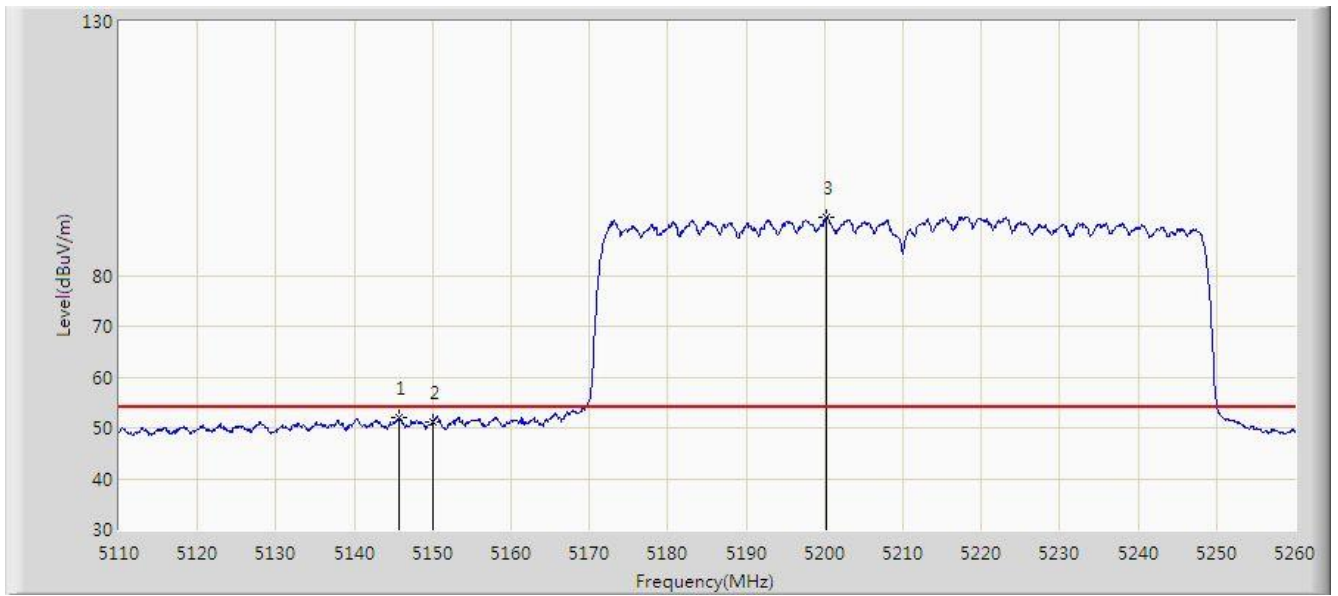


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.675	66.254	59.456	-7.746	74.000	6.797	PK
2			5150.000	62.214	55.415	-11.786	74.000	6.799	PK
3		*	5195.050	100.533	93.945	N/A	N/A	6.588	PK

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

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

Site: AC1	Time: 2019/11/30 - 04:01
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz	

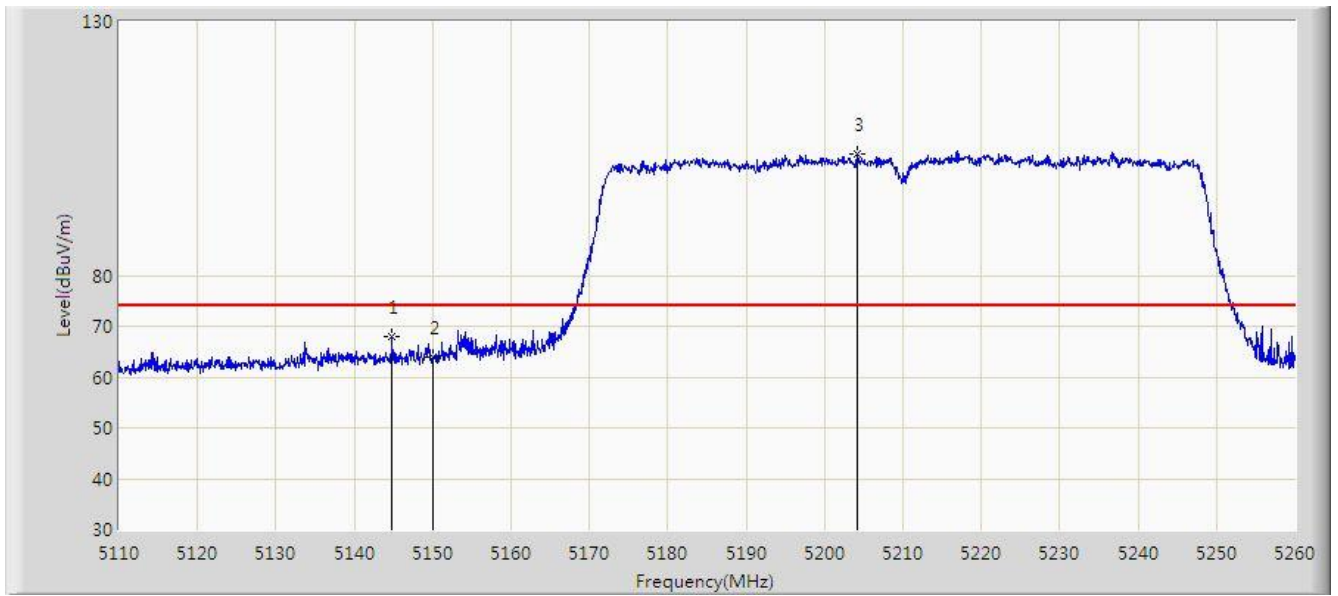


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5145.700	52.081	45.280	-1.919	54.000	6.801	AV
2			5150.000	51.230	44.431	-2.770	54.000	6.799	AV
3		*	5200.300	91.486	84.965	N/A	N/A	6.521	AV

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

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

Site: AC1	Time: 2019/11/30 - 03:59
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5144.800	67.848	61.044	-6.152	74.000	6.805	PK
2			5150.000	63.850	57.051	-10.150	74.000	6.799	PK
3		*	5204.200	103.778	97.272	N/A	N/A	6.505	PK

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

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

Site: AC1	Time: 2019/11/30 - 03:57
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz	

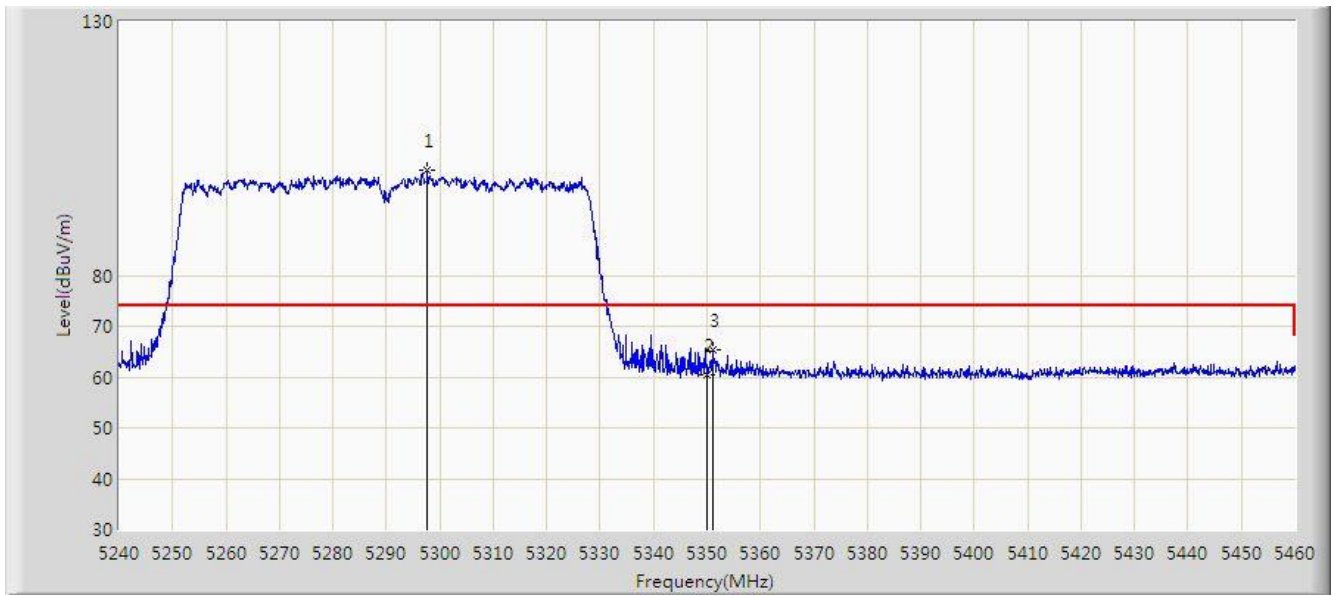


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.600	53.071	46.273	-0.929	54.000	6.798	AV
2			5150.000	52.838	46.039	-1.162	54.000	6.799	AV
3		*	5218.600	94.166	87.661	N/A	N/A	6.505	AV

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

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

Site: AC1	Time: 2019/12/03 - 04:28
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5290MHz	

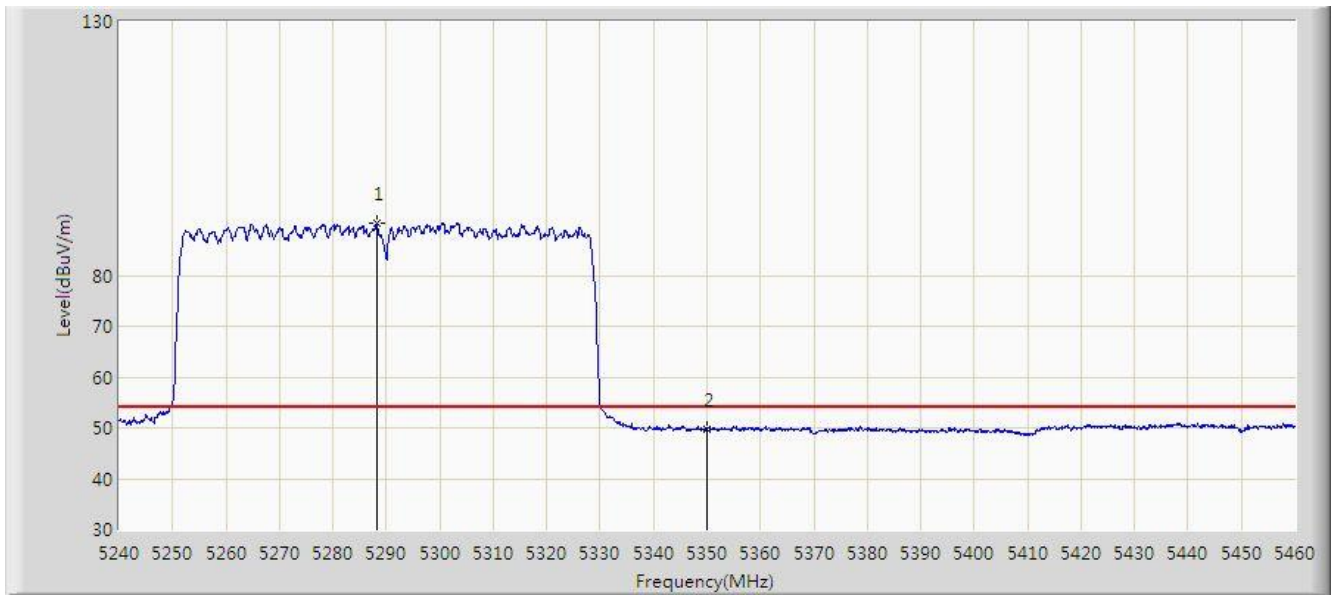


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5297.750	100.784	94.185	N/A	N/A	6.599	PK
2			5350.000	60.534	53.906	-13.466	74.000	6.629	PK
3			5350.990	65.451	58.829	-8.549	74.000	6.622	PK

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

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

Site: AC1	Time: 2019/12/03 - 04:29
Limit: FCC_Part 15.209_RE(3m)	Engineer: Larry Yan
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: FastMile 4G Gateway	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5290MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5288.180	90.159	83.690	N/A	N/A	6.470	AV
2			5350.000	49.824	43.196	-4.176	54.000	6.629	AV

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

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