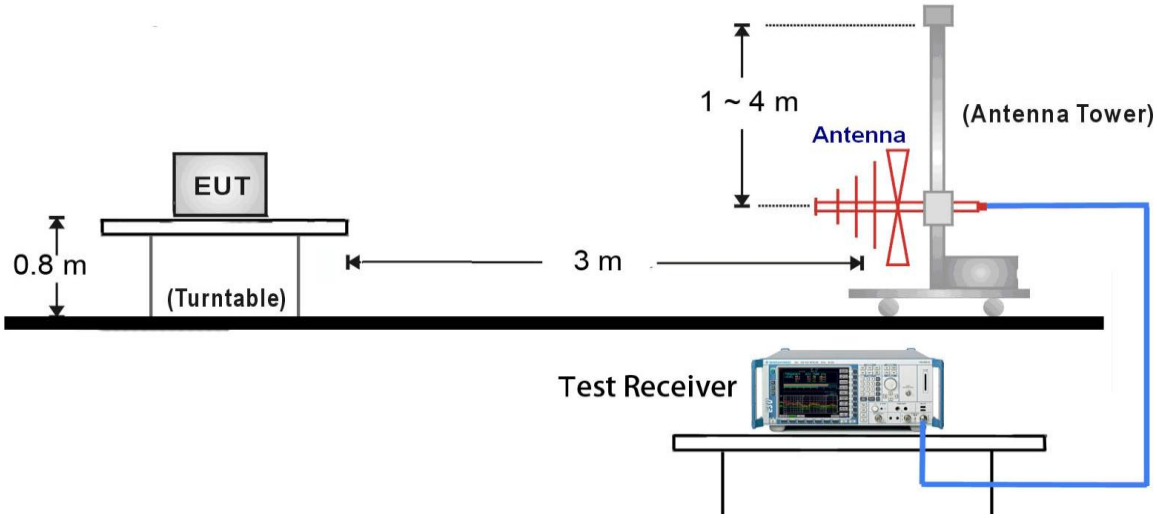
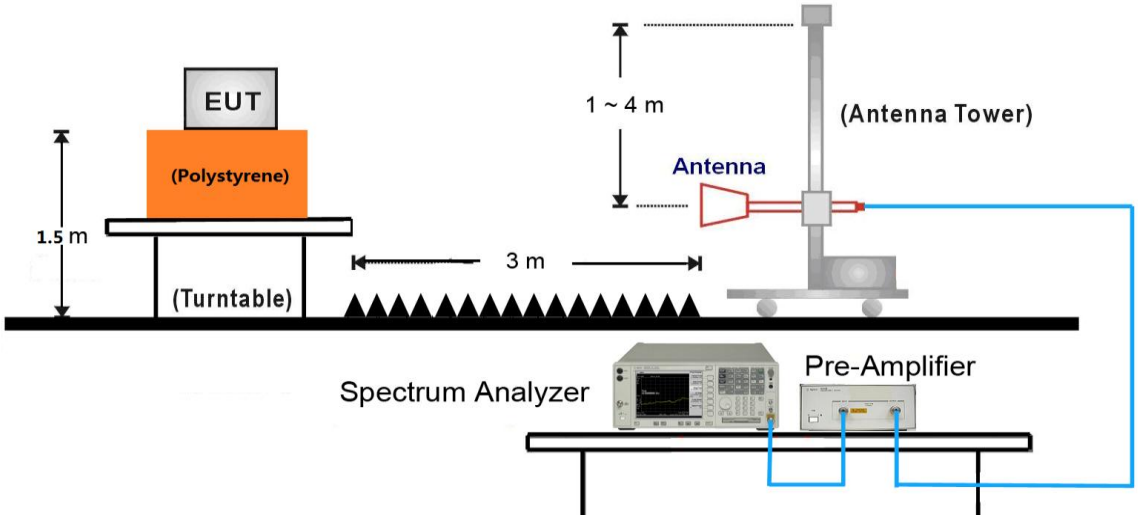
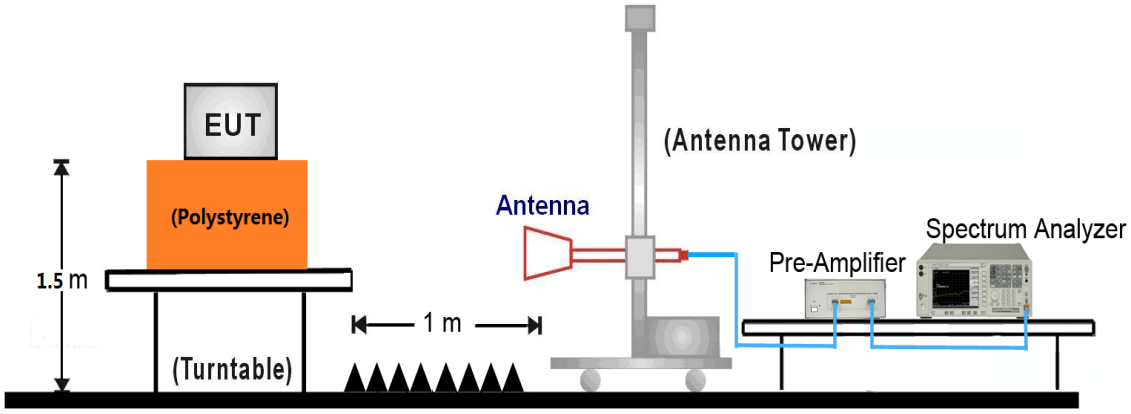
30MHz ~ 1GHz Test Setup:



1GHz ~18GHz Test Setup:



18GHz ~40GHz Test Setup:



7.8.5.Test Result

Radio A Radiated Spurious Emission Measurement Test Result

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	36	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7970.0	34.7	10.8	45.5	68.2	-22.7	Peak	Horizontal
*	10528.5	33.5	15.3	48.8	68.2	-19.4	Peak	Horizontal
	10868.5	33.5	16.2	49.7	74.0	-24.3	Peak	Horizontal
	11506.0	32.9	17.5	50.4	74.0	-23.6	Peak	Horizontal
*	7757.5	34.0	10.4	44.4	68.2	-23.8	Peak	Vertical
*	8658.5	33.2	11.1	44.3	68.2	-23.9	Peak	Vertical
	10902.5	32.4	16.3	48.7	74.0	-25.3	Peak	Vertical
	11684.5	31.7	17.3	49.0	74.0	-25.0	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)

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	44	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8582.0	33.2	11.0	44.2	68.2	-24.0	Peak	Horizontal
*	10435.0	35.0	14.6	49.6	68.2	-18.6	Peak	Horizontal
	11106.5	33.1	16.7	49.8	74.0	-24.2	Peak	Horizontal
	15666.8	33.8	16.9	50.7	54.0	-3.3	Average	Horizontal
	15679.5	45.5	16.8	62.3	74.0	-11.7	Peak	Horizontal
*	8675.5	32.8	11.2	44.0	68.2	-24.2	Peak	Vertical
*	10528.5	33.1	15.3	48.4	68.2	-19.8	Peak	Vertical
	11514.5	32.0	17.4	49.4	74.0	-24.6	Peak	Vertical
	15662.5	46.3	17.0	63.3	74.0	-10.7	Peak	Vertical
	15666.4	33.4	16.9	50.3	54.0	-3.7	Average	Vertical

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

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

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

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	48	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7817.0	34.3	10.4	44.7	68.2	-23.5	Peak	Horizontal
*	10469.0	33.9	14.9	48.8	68.2	-19.4	Peak	Horizontal
	10962.0	33.0	16.5	49.5	74.0	-24.5	Peak	Horizontal
	15713.5	46.1	16.8	62.9	74.0	-11.1	Peak	Horizontal
	15719.8	33.7	16.6	50.3	54.0	-3.7	Average	Horizontal
*	8718.0	33.2	11.4	44.6	68.2	-23.6	Peak	Vertical
*	10477.5	34.7	14.8	49.5	68.2	-18.7	Peak	Vertical
	11616.5	32.2	17.5	49.7	74.0	-24.3	Peak	Vertical
	15705.0	47.1	17.1	64.2	74.0	-9.8	Peak	Vertical
	15716.6	35.0	16.7	51.7	54.0	-2.3	Average	Vertical

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

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

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

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	149	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8718.0	32.1	11.4	43.5	68.2	-24.7	Peak	Horizontal
*	9874.0	33.3	13.4	46.7	68.2	-21.5	Peak	Horizontal
	10826.0	32.2	16.3	48.5	74.0	-25.5	Peak	Horizontal
	11489.0	41.1	17.1	58.2	74.0	-15.8	Peak	Horizontal
	11489.9	28.4	17.1	45.5	54.0	-8.5	Average	Horizontal
*	8539.5	33.0	11.0	44.0	68.2	-24.2	Peak	Vertical
*	9568.0	32.9	13.0	45.9	68.2	-22.3	Peak	Vertical
	10877.0	31.9	16.3	48.2	74.0	-25.8	Peak	Vertical
	11489.0	36.8	17.1	53.9	74.0	-20.1	Peak	Vertical

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

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

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

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	157	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8701.0	31.9	11.4	43.3	68.2	-24.9	Peak	Horizontal
*	9653.0	33.9	12.5	46.4	68.2	-21.8	Peak	Horizontal
	10996.0	31.5	16.5	48.0	74.0	-26.0	Peak	Horizontal
	11568.6	25.9	17.5	43.4	54.0	-10.6	Average	Horizontal
	11574.0	37.6	17.4	55.0	74.0	-19.0	Peak	Horizontal
*	8701.0	32.4	11.4	43.8	68.2	-24.4	Peak	Vertical
*	9891.0	33.8	13.2	47.0	68.2	-21.2	Peak	Vertical
	11030.0	32.1	16.7	48.8	74.0	-25.2	Peak	Vertical
	11565.5	36.6	17.6	54.2	74.0	-19.8	Peak	Vertical
	11567.3	25.3	17.5	42.8	54.0	-11.2	Average	Vertical

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

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

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

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	165	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8743.5	32.6	11.7	44.3	68.2	-23.9	Peak	Horizontal
*	9916.5	32.3	13.4	45.7	68.2	-22.5	Peak	Horizontal
	10928.0	31.5	16.4	47.9	74.0	-26.1	Peak	Horizontal
	11650.5	38.9	17.4	56.3	74.0	-17.7	Peak	Horizontal
	11652.5	27.6	17.4	45.0	54.0	-9.0	Average	Horizontal
*	8794.5	32.8	11.8	44.6	68.2	-23.6	Peak	Vertical
*	9882.5	32.8	13.3	46.1	68.2	-22.1	Peak	Vertical
	10860.0	32.6	16.2	48.8	74.0	-25.2	Peak	Vertical
	11648.0	28.0	17.3	45.3	54.0	-8.7	Average	Vertical
	11650.5	38.6	17.4	56.0	74.0	-18.0	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)

Test Mode:	802.11n-HT20	Test Site:	AC1
Test Channel:	36	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8701.0	32.2	11.4	43.6	68.2	-24.6	Peak	Horizontal
*	9899.5	32.5	13.3	45.8	68.2	-22.4	Peak	Horizontal
	11055.5	31.7	16.6	48.3	74.0	-25.7	Peak	Horizontal
	11506.0	31.4	17.5	48.9	74.0	-25.1	Peak	Horizontal
*	8828.5	32.6	11.6	44.2	68.2	-24.0	Peak	Vertical
*	9653.0	33.4	12.5	45.9	68.2	-22.3	Peak	Vertical
	10902.5	32.2	16.3	48.5	74.0	-25.5	Peak	Vertical
	11650.5	32.0	17.4	49.4	74.0	-24.6	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)

Test Mode:	802.11n-HT20	Test Site:	AC1
Test Channel:	44	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8786.0	32.6	11.8	44.4	68.2	-23.8	Peak	Horizontal
*	10435.0	34.8	14.6	49.4	68.2	-18.8	Peak	Horizontal
	11667.5	31.7	17.6	49.3	74.0	-24.7	Peak	Horizontal
	15663.2	32.0	17.0	49.0	54.0	-5.0	Average	Horizontal
	15671.0	45.0	16.8	61.8	74.0	-12.2	Peak	Horizontal
*	9831.5	33.6	13.2	46.8	68.2	-21.4	Peak	Vertical
*	10443.5	33.7	14.6	48.3	68.2	-19.9	Peak	Vertical
	11548.5	31.8	17.5	49.3	74.0	-24.7	Peak	Vertical
	15662.5	46.0	17.0	63.0	74.0	-11.0	Peak	Vertical
	15665.0	31.9	16.9	48.8	54.0	-5.2	Average	Vertical

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

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

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

Test Mode:	802.11n-HT20	Test Site:	AC1
Test Channel:	48	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8752.0	32.0	11.6	43.6	68.2	-24.6	Peak	Horizontal
*	10477.5	35.1	14.8	49.9	68.2	-18.3	Peak	Horizontal
	11625.0	31.5	17.4	48.9	74.0	-25.1	Peak	Horizontal
	15705.0	48.4	17.1	65.5	74.0	-8.5	Peak	Horizontal
	15724.9	34.9	16.5	51.4	54.0	-2.6	Average	Horizontal
*	8641.5	33.0	11.1	44.1	68.2	-24.1	Peak	Vertical
*	10469.0	35.2	14.9	50.1	68.2	-18.1	Peak	Vertical
	11616.5	31.7	17.5	49.2	74.0	-24.8	Peak	Vertical
	15705.0	48.2	17.1	65.3	74.0	-8.7	Peak	Vertical
	15724.5	34.4	16.5	50.9	54.0	-3.1	Average	Vertical

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

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

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

Test Mode:	802.11n-HT20	Test Site:	AC1
Test Channel:	149	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8735.0	32.7	11.6	44.3	68.2	-23.9	Peak	Horizontal
*	10239.5	33.7	14.4	48.1	68.2	-20.1	Peak	Horizontal
	10868.5	33.2	16.2	49.4	74.0	-24.6	Peak	Horizontal
	11488.9	28.4	17.1	45.5	54.0	-8.5	Average	Horizontal
	11489.0	42.4	17.1	59.5	74.0	-14.5	Peak	Horizontal
*	9891.0	33.0	13.2	46.2	68.2	-22.0	Peak	Vertical
*	10163.0	34.1	13.8	47.9	68.2	-20.3	Peak	Vertical
	10919.5	32.9	16.4	49.3	74.0	-24.7	Peak	Vertical
	11480.5	39.5	17.1	56.6	74.0	-17.4	Peak	Vertical
	11481.3	28.1	17.1	45.2	54.0	-8.8	Average	Vertical

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

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

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

Test Mode:	802.11n-HT20	Test Site:	AC1
Test Channel:	157	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8777.5	32.2	11.9	44.1	68.2	-24.1	Peak	Horizontal
*	9704.0	33.8	12.3	46.1	68.2	-22.1	Peak	Horizontal
	11565.5	37.7	17.6	55.3	74.0	-18.7	Peak	Horizontal
	11568.8	26.8	17.5	44.3	54.0	-9.7	Average	Horizontal
	12135.0	31.8	16.9	48.7	74.0	-25.3	Peak	Horizontal
*	9840.0	34.0	13.5	47.5	68.2	-20.7	Peak	Vertical
*	10520.0	32.7	15.4	48.1	68.2	-20.1	Peak	Vertical
	11565.5	26.5	17.6	44.1	54.0	-9.9	Average	Vertical
	11565.5	36.5	17.6	54.1	74.0	-19.9	Peak	Vertical
	12092.5	32.4	16.9	49.3	74.0	-24.7	Peak	Vertical

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

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

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

Test Mode:	802.11n-HT20	Test Site:	AC1
Test Channel:	165	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9653.0	33.2	12.5	45.7	68.2	-22.5	Peak	Horizontal
*	10537.0	33.0	15.3	48.3	68.2	-19.9	Peak	Horizontal
	11268.0	31.8	17.0	48.8	74.0	-25.2	Peak	Horizontal
	11649.3	26.4	17.3	43.7	54.0	-10.3	Average	Horizontal
	11659.0	40.2	17.5	57.7	74.0	-16.3	Peak	Horizontal
*	7800.0	33.5	10.3	43.8	68.2	-24.4	Peak	Vertical
*	10180.0	33.0	14.3	47.3	68.2	-20.9	Peak	Vertical
	10724.0	33.0	15.7	48.7	74.0	-25.3	Peak	Vertical
	11642.0	39.2	17.4	56.6	74.0	-17.4	Peak	Vertical
	11642.6	26.3	17.3	43.6	54.0	-10.4	Average	Vertical

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

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

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

Test Mode:	802.11n-HT40	Test Site:	AC1
Test Channel:	38	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9559.5	33.3	12.9	46.2	68.2	-22.0	Peak	Horizontal
*	10239.5	33.5	14.4	47.9	68.2	-20.3	Peak	Horizontal
	10834.5	32.5	16.1	48.6	74.0	-25.4	Peak	Horizontal
	11659.0	31.9	17.5	49.4	74.0	-24.6	Peak	Horizontal
*	9772.0	33.9	12.6	46.5	68.2	-21.7	Peak	Vertical
*	10537.0	31.9	15.3	47.2	68.2	-21.0	Peak	Vertical
	10911.0	31.9	16.4	48.3	74.0	-25.7	Peak	Vertical
	11565.5	31.3	17.6	48.9	74.0	-25.1	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)

Test Mode:	802.11n-HT40	Test Site:	AC1
Test Channel:	46	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8650.0	33.2	11.0	44.2	68.2	-24.0	Peak	Horizontal
*	10452.0	35.7	14.8	50.5	68.2	-17.7	Peak	Horizontal
	11557.0	32.0	17.7	49.7	74.0	-24.3	Peak	Horizontal
	15696.5	39.8	17.0	56.8	74.0	-17.2	Peak	Horizontal
	15707.8	28.3	17.0	45.3	54.0	-8.7	Average	Horizontal
*	8675.5	33.0	11.2	44.2	68.2	-24.0	Peak	Vertical
*	10469.0	33.8	14.9	48.7	68.2	-19.5	Peak	Vertical
	11565.5	32.2	17.6	49.8	74.0	-24.2	Peak	Vertical
	15711.5	27.2	16.9	44.1	54.0	-9.9	Average	Vertical
	15713.5	39.8	16.8	56.6	74.0	-17.4	Peak	Vertical

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

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

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

Test Mode:	802.11n-HT40	Test Site:	AC1
Test Channel:	151	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8769.0	32.1	11.8	43.9	68.2	-24.3	Peak	Horizontal
*	10180.0	33.5	14.3	47.8	68.2	-20.4	Peak	Horizontal
	10800.5	32.7	15.9	48.6	74.0	-25.4	Peak	Horizontal
	11506.0	34.4	17.5	51.9	74.0	-22.1	Peak	Horizontal
*	8743.5	32.4	11.7	44.1	68.2	-24.1	Peak	Vertical
*	10248.0	33.0	14.3	47.3	68.2	-20.9	Peak	Vertical
	10877.0	33.5	16.3	49.8	74.0	-24.2	Peak	Vertical
	11574.0	32.8	17.4	50.2	74.0	-23.8	Peak	Vertical

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

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

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

Test Mode:	802.11n-HT40	Test Site:	AC1
Test Channel:	159	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9644.5	33.7	12.7	46.4	68.2	-21.8	Peak	Horizontal
*	10596.5	32.6	15.5	48.1	68.2	-20.1	Peak	Horizontal
	11608.0	34.3	17.4	51.7	74.0	-22.3	Peak	Horizontal
	12143.5	32.4	16.9	49.3	74.0	-24.7	Peak	Horizontal
*	9738.0	32.8	12.5	45.3	68.2	-22.9	Peak	Vertical
*	10171.5	33.4	14.0	47.4	68.2	-20.8	Peak	Vertical
	11582.5	32.9	17.2	50.1	74.0	-23.9	Peak	Vertical
	12075.5	32.6	17.0	49.6	74.0	-24.4	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)

Test Mode:	802.11ac-VHT20	Test Site:	AC1
Test Channel:	36	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8675.5	33.3	11.2	44.5	68.2	-23.7	Peak	Horizontal
*	10282.0	33.3	14.6	47.9	68.2	-20.3	Peak	Horizontal
	11574.0	32.9	17.4	50.3	74.0	-23.7	Peak	Horizontal
	12118.0	32.9	17.0	49.9	74.0	-24.1	Peak	Horizontal
*	8624.5	33.2	11.2	44.4	68.2	-23.8	Peak	Vertical
*	10528.5	33.2	15.3	48.5	68.2	-19.7	Peak	Vertical
	11548.5	31.7	17.5	49.2	74.0	-24.8	Peak	Vertical
	12160.5	31.9	16.8	48.7	74.0	-25.3	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)

Test Mode:	802.11ac-VHT20	Test Site:	AC1
Test Channel:	44	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9959.0	33.2	13.4	46.6	68.2	-21.6	Peak	Horizontal
*	10435.0	36.2	14.6	50.8	68.2	-17.4	Peak	Horizontal
	11582.5	32.1	17.2	49.3	74.0	-24.7	Peak	Horizontal
	15662.5	44.9	17.0	61.9	74.0	-12.1	Peak	Horizontal
	15663.1	31.5	17.0	48.5	54.0	-5.5	Average	Horizontal
*	8718.0	32.2	11.4	43.6	68.2	-24.6	Peak	Vertical
*	10443.5	34.3	14.6	48.9	68.2	-19.3	Peak	Vertical
	11506.0	31.9	17.5	49.4	74.0	-24.6	Peak	Vertical
	15662.5	46.5	17.0	63.5	74.0	-10.5	Peak	Vertical
	15665.9	31.4	16.9	48.3	54.0	-5.7	Average	Vertical

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

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

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

Test Mode:	802.11ac-VHT20	Test Site:	AC1
Test Channel:	48	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8735.0	32.7	11.6	44.3	68.2	-23.9	Peak	Horizontal
*	10469.0	35.6	14.9	50.5	68.2	-17.7	Peak	Horizontal
	11472.0	32.5	17.1	49.6	74.0	-24.4	Peak	Horizontal
	15705.0	46.8	17.1	63.9	74.0	-10.1	Peak	Horizontal
	15727.5	30.2	16.6	46.8	54.0	-7.2	Average	Horizontal
*	9916.5	33.1	13.4	46.5	68.2	-21.7	Peak	Vertical
*	10469.0	35.4	14.9	50.3	68.2	-17.9	Peak	Vertical
	11523.0	32.5	17.2	49.7	74.0	-24.3	Peak	Vertical
	15705.0	47.2	17.1	64.3	74.0	-9.7	Peak	Vertical
	15723.9	34.1	16.5	50.6	54.0	-3.4	Average	Vertical

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

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

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

Test Mode:	802.11ac-VHT20	Test Site:	AC1
Test Channel:	149	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9806.0	33.5	12.7	46.2	68.2	-22.0	Peak	Horizontal
*	10418.0	33.3	14.9	48.2	68.2	-20.0	Peak	Horizontal
	11106.5	32.0	16.7	48.7	74.0	-25.3	Peak	Horizontal
	11480.5	40.8	17.1	57.9	74.0	-16.1	Peak	Horizontal
	11484.6	30.8	17.1	47.9	54.0	-6.1	Average	Horizontal
*	7791.5	33.8	10.4	44.2	68.2	-24.0	Peak	Vertical
*	10171.5	33.3	14.0	47.3	68.2	-20.9	Peak	Vertical
	10911.0	32.2	16.4	48.6	74.0	-25.4	Peak	Vertical
	11497.5	39.2	17.3	56.5	74.0	-17.5	Peak	Vertical
	11498.6	26.6	17.3	43.9	54.0	-10.1	Average	Vertical

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

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

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

Test Mode:	802.11ac-VHT20	Test Site:	AC1
Test Channel:	157	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9602.0	33.6	12.6	46.2	68.2	-22.0	Peak	Horizontal
*	10180.0	33.5	14.3	47.8	68.2	-20.4	Peak	Horizontal
	11174.5	32.6	16.8	49.4	74.0	-24.6	Peak	Horizontal
	11574.0	29.4	17.4	46.8	54.0	-7.2	Average	Horizontal
	11574.0	38.0	17.4	55.4	74.0	-18.6	Peak	Horizontal
*	9610.5	33.7	12.5	46.2	68.2	-22.0	Peak	Vertical
*	10375.5	32.4	14.9	47.3	68.2	-20.9	Peak	Vertical
	10911.0	32.4	16.4	48.8	74.0	-25.2	Peak	Vertical
	11565.5	35.0	17.6	52.6	74.0	-21.4	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)

Test Mode:	802.11ac-VHT20	Test Site:	AC1
Test Channel:	165	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9755.0	33.0	13.0	46.0	68.2	-22.2	Peak	Horizontal
*	10562.5	33.1	15.2	48.3	68.2	-19.9	Peak	Horizontal
	10911.0	32.0	16.4	48.4	74.0	-25.6	Peak	Horizontal
	11650.5	42.8	17.4	60.2	74.0	-13.8	Peak	Horizontal
	11653.5	28.2	17.4	45.6	54.0	-8.4	Average	Horizontal
*	9831.5	33.5	13.2	46.7	68.2	-21.5	Peak	Vertical
*	10231.0	32.9	14.4	47.3	68.2	-20.9	Peak	Vertical
	10783.5	33.5	16.0	49.5	74.0	-24.5	Peak	Vertical
	11641.9	25.6	17.4	43.0	54.0	-11.0	Average	Vertical
	11642.0	37.4	17.4	54.8	74.0	-19.2	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)

Test Mode:	802.11ac-VHT40	Test Site:	AC1
Test Channel:	38	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9789.0	33.8	12.9	46.7	68.2	-21.5	Peak	Horizontal
*	10146.0	33.6	13.8	47.4	68.2	-20.8	Peak	Horizontal
	11557.0	31.7	17.7	49.4	74.0	-24.6	Peak	Horizontal
	12169.0	32.3	16.7	49.0	74.0	-25.0	Peak	Horizontal
*	9840.0	33.2	13.5	46.7	68.2	-21.5	Peak	Vertical
*	10239.5	33.2	14.4	47.6	68.2	-20.6	Peak	Vertical
	10868.5	32.3	16.2	48.5	74.0	-25.5	Peak	Vertical
	11531.5	31.7	17.2	48.9	74.0	-25.1	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)

Test Mode:	802.11ac-VHT40	Test Site:	AC1
Test Channel:	46	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9874.0	32.7	13.4	46.1	68.2	-22.1	Peak	Horizontal
*	10460.5	33.3	14.8	48.1	68.2	-20.1	Peak	Horizontal
	11489.0	32.1	17.1	49.2	74.0	-24.8	Peak	Horizontal
	15679.5	43.4	16.8	60.2	74.0	-13.8	Peak	Horizontal
	15699.2	28.2	17.0	45.2	54.0	-8.8	Average	Horizontal
*	8769.0	32.6	11.8	44.4	68.2	-23.8	Peak	Vertical
*	10469.0	32.9	14.9	47.8	68.2	-20.4	Peak	Vertical
	10919.5	33.3	16.4	49.7	74.0	-24.3	Peak	Vertical
	15693.6	32.1	17.0	49.1	54.0	-4.9	Average	Vertical
	15696.5	43.9	17.0	60.9	74.0	-13.1	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)

Test Mode:	802.11ac-VHT40	Test Site:	AC1
Test Channel:	151	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8726.5	30.8	11.5	42.3	68.2	-25.9	Peak	Horizontal
*	10248.0	31.8	14.3	46.1	68.2	-22.1	Peak	Horizontal
	11506.0	31.0	17.5	48.5	74.0	-25.5	Peak	Horizontal
	12033.0	30.5	16.8	47.3	74.0	-26.7	Peak	Horizontal
*	9653.0	32.1	12.5	44.6	68.2	-23.6	Peak	Vertical
*	10528.5	31.0	15.3	46.3	68.2	-21.9	Peak	Vertical
	11514.5	33.0	17.4	50.4	74.0	-23.6	Peak	Vertical
	12441.0	30.4	16.8	47.2	74.0	-26.8	Peak	Vertical

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

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

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

Test Mode:	802.11ac-VHT40	Test Site:	AC1
Test Channel:	159	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8777.5	30.7	11.9	42.6	68.2	-25.6	Peak	Horizontal
*	10256.5	31.1	14.3	45.4	68.2	-22.8	Peak	Horizontal
	10868.5	30.6	16.2	46.8	74.0	-27.2	Peak	Horizontal
	11565.5	32.4	17.6	50.0	74.0	-24.0	Peak	Horizontal
*	7808.5	33.1	10.4	43.5	68.2	-24.7	Peak	Vertical
*	10333.0	30.8	14.7	45.5	68.2	-22.7	Peak	Vertical
	10911.0	30.0	16.4	46.4	74.0	-27.6	Peak	Vertical
	11591.0	31.2	16.9	48.1	74.0	-25.9	Peak	Vertical

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

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

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

Test Mode:	802.11ac-VHT80	Test Site:	AC1
Test Channel:	42	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9848.5	31.5	13.3	44.8	68.2	-23.4	Peak	Horizontal
*	10248.0	31.4	14.3	45.7	68.2	-22.5	Peak	Horizontal
	10902.5	31.0	16.3	47.3	74.0	-26.7	Peak	Horizontal
	12135.0	30.8	16.9	47.7	74.0	-26.3	Peak	Horizontal
*	8973.0	31.8	11.7	43.5	68.2	-24.7	Peak	Vertical
*	10528.5	31.4	15.3	46.7	68.2	-21.5	Peak	Vertical
	10894.0	31.0	16.3	47.3	74.0	-26.7	Peak	Vertical
	11557.0	29.8	17.7	47.5	74.0	-26.5	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)

Test Mode:	802.11ac-VHT80	Test Site:	AC1
Test Channel:	155	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8743.5	30.6	11.7	42.3	68.2	-25.9	Peak	Horizontal
*	10290.5	31.5	14.7	46.2	68.2	-22.0	Peak	Horizontal
	11225.5	30.0	16.9	46.9	74.0	-27.1	Peak	Horizontal
	11718.5	30.1	17.3	47.4	74.0	-26.6	Peak	Horizontal
*	9763.5	31.0	12.8	43.8	68.2	-24.4	Peak	Vertical
*	10307.5	30.9	14.7	45.6	68.2	-22.6	Peak	Vertical
	11659.0	30.5	17.5	48.0	74.0	-26.0	Peak	Vertical
	12126.5	30.1	17.0	47.1	74.0	-26.9	Peak	Vertical

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

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

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

Test Mode:	802.11ac-VHT80+80	Test Site:	AC1
Test Channel:	42+155	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7054.3	31.9	9.8	41.7	68.2	-26.5	Peak	Horizontal
	8648.3	32.1	11.0	43.1	74.0	-30.9	Peak	Horizontal
*	9675.9	32.1	12.5	44.6	68.2	-23.6	Peak	Horizontal
	11476.0	31.1	17.1	48.2	74.0	-25.8	Peak	Horizontal
*	7086.0	32.0	10.0	42.0	68.2	-26.2	Peak	Vertical
	8348.8	32.2	10.1	42.3	74.0	-31.7	Peak	Vertical
*	9624.5	31.7	12.6	44.3	68.2	-23.9	Peak	Vertical
	11475.3	31.5	17.1	48.6	74.0	-25.4	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)

Radio B Radiated Spurious Emission Measurement Test Result

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	36	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8624.5	31.0	11.2	42.2	68.2	-26.0	Peak	Horizontal
*	10197.0	31.6	13.9	45.5	68.2	-22.7	Peak	Horizontal
	11404.0	29.9	17.2	47.1	74.0	-26.9	Peak	Horizontal
	12135.0	29.7	16.9	46.6	74.0	-27.4	Peak	Horizontal
*	8701.0	31.0	11.4	42.4	68.2	-25.8	Peak	Vertical
*	10137.5	32.0	13.7	45.7	68.2	-22.5	Peak	Vertical
	10962.0	30.9	16.5	47.4	74.0	-26.6	Peak	Vertical
	11616.5	30.3	17.5	47.8	74.0	-26.2	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)

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	44	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8667.0	31.2	11.3	42.5	68.2	-25.7	Peak	Horizontal
*	10443.5	32.6	14.6	47.2	68.2	-21.0	Peak	Horizontal
	11514.5	31.7	17.4	49.1	74.0	-24.9	Peak	Horizontal
	15662.5	35.0	17.0	52.0	74.0	-22.0	Peak	Horizontal
*	9763.5	31.2	12.8	44.0	68.2	-24.2	Peak	Vertical
*	10443.5	32.9	14.6	47.5	68.2	-20.7	Peak	Vertical
	11582.5	30.9	17.2	48.1	74.0	-25.9	Peak	Vertical
	15654.0	39.7	17.3	57.0	74.0	-17.0	Peak	Vertical
	15660.5	28.3	17.1	45.4	54.0	-8.6	Average	Vertical

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

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

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

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	48	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9840.0	30.8	13.5	44.3	68.2	-23.9	Peak	Horizontal
*	10477.5	32.8	14.8	47.6	68.2	-20.6	Peak	Horizontal
	11557.0	29.5	17.7	47.2	74.0	-26.8	Peak	Horizontal
	15713.0	29.4	16.8	46.2	54.0	-7.8	Average	Horizontal
	15713.5	38.0	16.8	54.8	74.0	-19.2	Peak	Horizontal
*	9916.5	30.5	13.4	43.9	68.2	-24.3	Peak	Vertical
*	10222.5	31.7	14.3	46.0	68.2	-22.2	Peak	Vertical
	11574.0	30.0	17.4	47.4	74.0	-26.6	Peak	Vertical
	15713.3	27.8	16.8	44.6	54.0	-9.4	Average	Vertical
	15713.5	40.6	16.8	57.4	74.0	-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)

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	149	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8667.0	31.0	11.3	42.3	68.2	-25.9	Peak	Horizontal
*	10511.5	31.2	15.1	46.3	68.2	-21.9	Peak	Horizontal
	11488.1	27.7	17.1	44.8	54.0	-9.2	Average	Horizontal
	11506.0	35.4	17.5	52.9	74.0	-21.1	Peak	Horizontal
	12135.0	30.8	16.9	47.7	74.0	-26.3	Peak	Horizontal
*	9831.5	31.4	13.2	44.6	68.2	-23.6	Peak	Vertical
*	10545.5	31.5	15.3	46.8	68.2	-21.4	Peak	Vertical
	11480.5	38.5	17.1	55.6	74.0	-18.4	Peak	Vertical
	11487.3	26.9	17.1	44.0	54.0	-10.0	Average	Vertical
	12424.0	29.9	16.8	46.7	74.0	-27.3	Peak	Vertical

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

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

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

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	157	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9576.5	32.5	12.8	45.3	68.2	-22.9	Peak	Horizontal
*	10256.5	31.5	14.3	45.8	68.2	-22.4	Peak	Horizontal
	11574.0	34.3	17.4	51.7	74.0	-22.3	Peak	Horizontal
	12424.0	30.3	16.8	47.1	74.0	-26.9	Peak	Horizontal
*	9763.5	31.2	12.8	44.0	68.2	-24.2	Peak	Vertical
*	10239.5	31.0	14.4	45.4	68.2	-22.8	Peak	Vertical
	11565.5	37.3	17.6	54.9	74.0	-19.1	Peak	Vertical
	11572.4	28.9	17.4	46.3	54.0	-7.7	Average	Vertical
	12092.5	30.7	16.9	47.6	74.0	-26.4	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)

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	165	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9568.0	32.2	13.0	45.2	68.2	-23.0	Peak	Horizontal
*	10205.5	32.4	14.0	46.4	68.2	-21.8	Peak	Horizontal
	11106.5	30.5	16.7	47.2	74.0	-26.8	Peak	Horizontal
	11650.5	33.1	17.4	50.5	74.0	-23.5	Peak	Horizontal
*	9891.0	31.4	13.2	44.6	68.2	-23.6	Peak	Vertical
*	10562.5	31.2	15.2	46.4	68.2	-21.8	Peak	Vertical
	11659.0	33.4	17.5	50.9	74.0	-23.1	Peak	Vertical
	12126.5	29.5	17.0	46.5	74.0	-27.5	Peak	Vertical

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

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

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

Test Mode:	802.11n-HT20	Test Site:	AC1
Test Channel:	36	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8641.5	30.6	11.1	41.7	68.2	-26.5	Peak	Horizontal
*	9780.5	31.0	12.7	43.7	68.2	-24.5	Peak	Horizontal
	11157.5	30.2	16.8	47.0	74.0	-27.0	Peak	Horizontal
	12135.0	29.5	16.9	46.4	74.0	-27.6	Peak	Horizontal
*	9576.5	31.1	12.8	43.9	68.2	-24.3	Peak	Vertical
*	10571.0	31.3	15.4	46.7	68.2	-21.5	Peak	Vertical
	11098.0	29.6	16.9	46.5	74.0	-27.5	Peak	Vertical
	11548.5	30.2	17.5	47.7	74.0	-26.3	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)

Test Mode:	802.11n-HT20	Test Site:	AC1
Test Channel:	44	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9908.0	30.7	13.5	44.2	68.2	-24.0	Peak	Horizontal
*	10452.0	30.7	14.8	45.5	68.2	-22.7	Peak	Horizontal
	11557.0	29.5	17.7	47.2	74.0	-26.8	Peak	Horizontal
	15654.0	47.2	17.3	64.5	74.0	-9.5	Peak	Vertical
	15660.6	35.7	17.1	52.8	54.0	-1.2	Average	Horizontal
*	9644.5	31.9	12.7	44.6	68.2	-23.6	Peak	Vertical
*	10443.5	31.7	14.6	46.3	68.2	-21.9	Peak	Vertical
	11710.0	30.9	17.2	48.1	74.0	-25.9	Peak	Vertical
	15673.1	33.6	16.8	50.4	54.0	-3.6	Average	Vertical
	15679.5	46.4	16.8	63.2	74.0	-10.8	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)

Test Mode:	802.11n-HT20	Test Site:	AC1
Test Channel:	48	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9755.0	30.7	13.0	43.7	68.2	-24.5	Peak	Horizontal
*	10486.0	30.8	14.7	45.5	68.2	-22.7	Peak	Horizontal
	11608.0	29.4	17.4	46.8	74.0	-27.2	Peak	Horizontal
	15713.5	49.4	16.8	66.2	74.0	-7.8	Peak	Horizontal
	15713.5	35.8	16.8	52.6	54.0	-1.4	Average	Horizontal
*	9857.0	32.6	13.0	45.6	68.2	-22.6	Peak	Vertical
*	10222.5	31.2	14.3	45.5	68.2	-22.7	Peak	Vertical
	11514.5	30.2	17.4	47.6	74.0	-26.4	Peak	Vertical
	15713.5	47.6	16.8	64.4	74.0	-9.6	Peak	Vertical
	15714.6	35.8	16.8	52.6	54.0	-1.4	Average	Vertical

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

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

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

Test Mode:	802.11n-HT20	Test Site:	AC1
Test Channel:	149	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8820.0	30.4	11.7	42.1	68.2	-26.1	Peak	Horizontal
*	9644.5	31.8	12.7	44.5	68.2	-23.7	Peak	Horizontal
	10860.0	31.3	16.2	47.5	74.0	-26.5	Peak	Horizontal
	11499.5	26.4	17.3	43.7	54.0	-10.3	Average	Horizontal
	11506.0	36.0	17.5	53.5	74.0	-20.5	Peak	Horizontal
*	8607.5	31.2	11.1	42.3	68.2	-25.9	Peak	Vertical
*	10341.5	30.3	14.8	45.1	68.2	-23.1	Peak	Vertical
	10894.0	30.6	16.3	46.9	74.0	-27.1	Peak	Vertical
	11489.0	37.7	17.1	54.8	74.0	-19.2	Peak	Vertical
	11489.4	25.2	17.1	42.3	54.0	-11.7	Average	Vertical

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

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

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

Test Mode:	802.11n-HT20	Test Site:	AC1
Test Channel:	157	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8743.5	30.6	11.7	42.3	68.2	-25.9	Peak	Horizontal
*	9789.0	31.5	12.9	44.4	68.2	-23.8	Peak	Horizontal
	10970.5	30.9	16.5	47.4	74.0	-26.6	Peak	Horizontal
	11582.5	34.8	17.2	52.0	74.0	-22.0	Peak	Horizontal
	8760.5	30.6	11.6	42.2	68.2	-26.0	Peak	Vertical
*	9882.5	31.4	13.3	44.7	68.2	-23.5	Peak	Vertical
*	10868.5	30.2	16.2	46.4	74.0	-27.6	Peak	Vertical
	11565.5	36.4	17.6	54.0	74.0	-20.0	Peak	Vertical
	11568.3	25.4	17.5	42.9	54.0	-11.1	Average	Vertical

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

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

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

Test Mode:	802.11n-HT20	Test Site:	AC1
Test Channel:	165	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8794.5	30.5	11.8	42.3	68.2	-25.9	Peak	Horizontal
*	9644.5	31.7	12.7	44.4	68.2	-23.8	Peak	Horizontal
	10919.5	30.0	16.4	46.4	74.0	-27.6	Peak	Horizontal
	11650.5	35.7	17.4	53.1	74.0	-20.9	Peak	Horizontal
*	8684.0	30.8	11.2	42.0	68.2	-26.2	Peak	Vertical
*	9661.5	31.3	12.5	43.8	68.2	-24.4	Peak	Vertical
	10919.5	30.8	16.4	47.2	74.0	-26.8	Peak	Vertical
	11659.0	32.9	17.5	50.4	74.0	-23.6	Peak	Vertical

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

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

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

Test Mode:	802.11n-HT40	Test Site:	AC1
Test Channel:	38	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8726.5	30.7	11.5	42.2	68.2	-26.0	Peak	Horizontal
*	9882.5	31.5	13.3	44.8	68.2	-23.4	Peak	Horizontal
	10826.0	29.8	16.3	46.1	74.0	-27.9	Peak	Horizontal
	11625.0	29.8	17.4	47.2	74.0	-26.8	Peak	Horizontal
*	8743.5	31.6	11.7	43.3	68.2	-24.9	Peak	Vertical
*	10307.5	31.1	14.7	45.8	68.2	-22.4	Peak	Vertical
	10792.0	30.7	16.0	46.7	74.0	-27.3	Peak	Vertical
	11557.0	29.6	17.7	47.3	74.0	-26.7	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)

Test Mode:	802.11n-HT40	Test Site:	AC1
Test Channel:	46	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8692.5	30.6	11.3	41.9	68.2	-26.3	Peak	Horizontal
*	10188.5	31.5	14.1	45.6	68.2	-22.6	Peak	Horizontal
	11514.5	29.1	17.4	46.5	74.0	-27.5	Peak	Horizontal
	15705.0	47.9	17.1	65.0	74.0	-9.0	Peak	Horizontal
	15705.5	36.4	17.1	53.5	54.0	-0.5	Average	Horizontal
*	9916.5	30.8	13.4	44.2	68.2	-24.0	Peak	Vertical
*	10460.5	30.6	14.8	45.4	68.2	-22.8	Peak	Vertical
	10962.0	30.6	16.5	47.1	74.0	-26.9	Peak	Vertical
	15704.4	34.1	17.1	51.2	54.0	-2.8	Average	Vertical
	15705.0	45.5	17.1	62.6	74.0	-11.4	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)

Test Mode:	802.11n-HT40	Test Site:	AC1
Test Channel:	151	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8692.5	30.3	11.3	41.6	68.2	-26.6	Peak	Horizontal
*	9908.0	31.2	13.5	44.7	68.2	-23.5	Peak	Horizontal
	10962.0	30.4	16.5	46.9	74.0	-27.1	Peak	Horizontal
	11506.0	33.8	17.5	51.3	74.0	-22.7	Peak	Horizontal
*	7791.5	31.8	10.4	42.2	68.2	-26.0	Peak	Vertical
*	9840.0	30.7	13.5	44.2	68.2	-24.0	Peak	Vertical
	10885.5	30.7	16.3	47.0	74.0	-27.0	Peak	Vertical
	11504.9	27.6	17.4	45.0	54.0	-9.0	Average	Vertical
	11506.0	35.8	17.5	53.3	74.0	-20.7	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)

Test Mode:	802.11n-HT40	Test Site:	AC1
Test Channel:	159	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8743.5	30.7	11.7	42.4	68.2	-25.8	Peak	Horizontal
*	9602.0	32.4	12.6	45.0	68.2	-23.2	Peak	Horizontal
	10817.5	31.0	16.1	47.1	74.0	-26.9	Peak	Horizontal
	11591.0	34.0	16.9	50.9	74.0	-23.1	Peak	Horizontal
*	8667.0	31.5	11.3	42.8	68.2	-25.4	Peak	Vertical
*	10384.0	30.7	14.9	45.6	68.2	-22.6	Peak	Vertical
	10928.0	30.1	16.4	46.5	74.0	-27.5	Peak	Vertical
	11599.5	32.2	17.1	49.3	74.0	-24.7	Peak	Vertical

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

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

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

Test Mode:	802.11ac-VHT20	Test Site:	AC1
Test Channel:	36	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8616.0	31.6	11.2	42.8	68.2	-25.4	Peak	Horizontal
*	9840.0	31.1	13.5	44.6	68.2	-23.6	Peak	Horizontal
	11608.0	29.9	17.4	47.3	74.0	-26.7	Peak	Horizontal
	12075.5	30.8	17.0	47.8	74.0	-26.2	Peak	Horizontal
*	8675.5	32.2	11.2	43.4	68.2	-24.8	Peak	Vertical
*	9891.0	31.5	13.2	44.7	68.2	-23.5	Peak	Vertical
	10911.0	30.7	16.4	47.1	74.0	-26.9	Peak	Vertical
	12118.0	30.3	17.0	47.3	74.0	-26.7	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)

Test Mode:	802.11ac-VHT20	Test Site:	AC1
Test Channel:	44	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8633.0	31.2	11.2	42.4	68.2	-25.8	Peak	Horizontal
*	10188.5	31.9	14.1	46.0	68.2	-22.2	Peak	Horizontal
	11132.0	29.9	16.8	46.7	74.0	-27.3	Peak	Horizontal
	11667.5	29.8	17.6	47.4	74.0	-26.6	Peak	Horizontal
*	9772.0	31.7	12.6	44.3	68.2	-23.9	Peak	Vertical
*	10571.0	31.5	15.4	46.9	68.2	-21.3	Peak	Vertical
	11565.5	30.7	17.6	48.3	74.0	-25.7	Peak	Vertical
	15662.5	39.8	17.0	56.8	74.0	-17.2	Peak	Vertical
	15668.1	32.1	16.9	49.0	54.0	-5.0	Average	Vertical

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

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

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

Test Mode:	802.11ac-VHT20	Test Site:	AC1
Test Channel:	48	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9823.0	31.8	12.9	44.7	68.2	-23.5	Peak	Horizontal
*	10486.0	32.3	14.7	47.0	68.2	-21.2	Peak	Horizontal
	11548.5	29.9	17.5	47.4	74.0	-26.6	Peak	Horizontal
	15713.5	37.4	16.8	54.2	74.0	-19.8	Peak	Horizontal
	15714.9	29.0	16.8	45.8	54.0	-8.2	Average	Horizontal
*	9848.5	30.8	13.3	44.1	68.2	-24.1	Peak	Vertical
*	10486.0	31.6	14.7	46.3	68.2	-21.9	Peak	Vertical
	11259.5	30.0	17.0	47.0	74.0	-27.0	Peak	Vertical
	15713.5	39.9	16.8	56.7	74.0	-17.3	Peak	Vertical
	15715.0	32.4	16.8	49.2	54.0	-4.8	Average	Vertical

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

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

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

Test Mode:	802.11ac-VHT20	Test Site:	AC1
Test Channel:	149	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9848.5	31.5	13.3	44.8	68.2	-23.4	Peak	Horizontal
*	10248.0	31.3	14.3	45.6	68.2	-22.6	Peak	Horizontal
	10979.0	30.9	16.5	47.4	74.0	-26.6	Peak	Horizontal
	11497.5	31.1	17.3	48.4	74.0	-25.6	Peak	Horizontal
*	8752.0	30.5	11.6	42.1	68.2	-26.1	Peak	Vertical
*	9857.0	31.9	13.0	44.9	68.2	-23.3	Peak	Vertical
	10715.5	30.8	15.6	46.4	74.0	-27.6	Peak	Vertical
	11489.0	34.2	17.1	51.3	74.0	-22.7	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)

Test Mode:	802.11ac-VHT20	Test Site:	AC1
Test Channel:	157	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8947.5	31.5	11.6	43.1	68.2	-25.1	Peak	Horizontal
*	10596.5	30.9	15.5	46.4	68.2	-21.8	Peak	Horizontal
	10962.0	31.6	16.5	48.1	74.0	-25.9	Peak	Horizontal
	11565.5	31.6	17.6	49.2	74.0	-24.8	Peak	Horizontal
*	7774.5	31.9	10.5	42.4	68.2	-25.8	Peak	Vertical
*	8607.5	31.6	11.1	42.7	68.2	-25.5	Peak	Vertical
	10953.5	30.8	16.4	47.2	74.0	-26.8	Peak	Vertical
	11557.0	32.5	17.7	50.2	74.0	-23.8	Peak	Vertical

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

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

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

Test Mode:	802.11ac-VHT20	Test Site:	AC1
Test Channel:	165	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8760.5	31.1	11.6	42.7	68.2	-25.5	Peak	Horizontal
*	10086.5	31.8	13.4	45.2	68.2	-23.0	Peak	Horizontal
	11004.5	30.2	16.5	46.7	74.0	-27.3	Peak	Horizontal
	11642.0	30.7	17.4	48.1	74.0	-25.9	Peak	Horizontal
*	8735.0	30.7	11.6	42.3	68.2	-25.9	Peak	Vertical
*	10545.5	30.9	15.3	46.2	68.2	-22.0	Peak	Vertical
	11659.0	31.3	17.5	48.8	74.0	-25.2	Peak	Vertical
	12016.0	30.8	17.2	48.0	74.0	-26.0	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)

Test Mode:	802.11ac-VHT40	Test Site:	AC1
Test Channel:	38	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9602.0	31.4	12.6	44.0	68.2	-24.2	Peak	Horizontal
*	10486.0	30.9	14.7	45.6	68.2	-22.6	Peak	Horizontal
	11548.5	29.7	17.5	47.2	74.0	-26.8	Peak	Horizontal
	12067.0	30.6	17.0	47.6	74.0	-26.4	Peak	Horizontal
*	9899.5	31.8	13.3	45.1	68.2	-23.1	Peak	Vertical
*	10358.5	30.9	14.9	45.8	68.2	-22.4	Peak	Vertical
	10962.0	30.6	16.5	47.1	74.0	-26.9	Peak	Vertical
	11965.0	30.8	16.9	47.7	74.0	-26.3	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)

Test Mode:	802.11ac-VHT40	Test Site:	AC1
Test Channel:	46	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9865.5	31.5	13.2	44.7	68.2	-23.5	Peak	Horizontal
*	10248.0	31.5	14.3	45.8	68.2	-22.4	Peak	Horizontal
	10919.5	30.5	16.4	46.9	74.0	-27.1	Peak	Horizontal
	11625.0	29.6	17.4	47.0	74.0	-27.0	Peak	Horizontal
*	8828.5	30.7	11.6	42.3	68.2	-25.9	Peak	Vertical
*	10520.0	31.1	15.4	46.5	68.2	-21.7	Peak	Vertical
	11625.0	29.8	17.4	47.2	74.0	-26.8	Peak	Vertical
	12126.5	30.1	17.0	47.1	74.0	-26.9	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)

Test Mode:	802.11ac-VHT40	Test Site:	AC1
Test Channel:	151	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8769.0	30.2	11.8	42.0	68.2	-26.2	Peak	Horizontal
*	10460.5	31.1	14.8	45.9	68.2	-22.3	Peak	Horizontal
	11506.0	33.2	17.5	50.7	74.0	-23.3	Peak	Horizontal
	12041.5	30.3	17.0	47.3	74.0	-26.7	Peak	Horizontal
*	8760.5	31.8	11.6	43.4	68.2	-24.8	Peak	Vertical
*	10545.5	30.5	15.3	45.8	68.2	-22.4	Peak	Vertical
	11506.0	37.3	17.5	54.8	74.0	-19.2	Peak	Vertical
	11506.0	25.4	17.5	42.9	54.0	-11.1	Average	Vertical
	12313.5	30.5	16.3	46.8	74.0	-27.2	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)

Test Mode:	802.11ac-VHT40	Test Site:	AC1
Test Channel:	159	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8667.0	31.3	11.3	42.6	68.2	-25.6	Peak	Horizontal
*	9840.0	30.8	13.5	44.3	68.2	-23.9	Peak	Horizontal
	10911.0	30.8	16.4	47.2	74.0	-26.8	Peak	Horizontal
	11591.0	32.6	16.9	49.5	74.0	-24.5	Peak	Horizontal
*	8769.0	30.0	11.8	41.8	68.2	-26.4	Peak	Vertical
*	9593.5	32.1	12.6	44.7	68.2	-23.5	Peak	Vertical
	11047.0	30.8	16.6	47.4	74.0	-26.6	Peak	Vertical
	11582.5	33.4	17.2	50.6	74.0	-23.4	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)

Test Mode:	802.11ac-VHT80	Test Site:	AC1
Test Channel:	42	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9593.5	31.4	12.6	44.0	68.2	-24.2	Peak	Horizontal
*	10180.0	31.2	14.3	45.5	68.2	-22.7	Peak	Horizontal
	10817.5	30.2	16.1	46.3	74.0	-27.7	Peak	Horizontal
	12619.5	31.7	16.0	47.7	74.0	-26.3	Peak	Horizontal
*	9891.0	31.1	13.2	44.3	68.2	-23.9	Peak	Vertical
*	10528.5	30.5	15.3	45.8	68.2	-22.4	Peak	Vertical
	11030.0	30.4	16.7	47.1	74.0	-26.9	Peak	Vertical
	11557.0	29.6	17.7	47.3	74.0	-26.7	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)

Test Mode:	802.11ac-VHT80	Test Site:	AC1
Test Channel:	155	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9874.0	30.9	13.4	44.3	68.2	-23.9	Peak	Horizontal
*	10180.0	31.2	14.3	45.5	68.2	-22.7	Peak	Horizontal
	10928.0	31.1	16.4	47.5	74.0	-26.5	Peak	Horizontal
	12118.0	30.6	17.0	47.6	74.0	-26.4	Peak	Horizontal
*	8726.5	30.9	11.5	42.4	68.2	-25.8	Peak	Vertical
*	9959.0	32.4	13.4	45.8	68.2	-22.4	Peak	Vertical
	10919.5	30.6	16.4	47.0	74.0	-27.0	Peak	Vertical
	11574.0	30.0	17.4	47.4	74.0	-26.6	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)

Test Mode:	802.11ac-VHT80+80	Test Site:	AC1
Test Channel:	42+155	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7053.3	32.0	9.8	41.8	68.2	-26.4	Peak	Horizontal
	8276.8	32.4	10.1	42.5	74.0	-31.5	Peak	Horizontal
*	9846.3	32.2	13.3	45.5	68.2	-22.7	Peak	Horizontal
	11243.8	31.1	16.6	47.7	74.0	-26.3	Peak	Horizontal
*	7106.4	31.4	10.1	41.5	68.2	-26.7	Peak	Vertical
	8264.7	32.2	10.3	42.5	74.0	-31.5	Peak	Vertical
*	9253.7	31.8	12.9	44.7	68.2	-23.5	Peak	Vertical
	12163.5	31.5	16.7	48.2	74.0	-25.8	Peak	Vertical

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

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

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

Radio C Radiated Spurious Emission Measurement Test Result

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	36	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7341.0	32.8	10.7	43.5	74.0	-30.5	Peak	Horizontal
*	8548.0	33.6	11.0	44.6	68.2	-23.6	Peak	Horizontal
	10919.5	32.5	16.4	48.9	74.0	-25.1	Peak	Horizontal
*	13877.5	31.8	20.3	52.1	68.2	-16.1	Peak	Horizontal
	7494.0	33.5	11.0	44.5	74.0	-29.5	Peak	Vertical
*	8726.5	32.4	11.5	43.9	68.2	-24.3	Peak	Vertical
	11642.0	32.3	17.4	49.7	74.0	-24.3	Peak	Vertical
*	13486.5	29.6	19.2	48.8	68.2	-19.4	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)

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	44	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is 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	33.4	10.8	44.2	74.0	-29.8	Peak	Horizontal
*	8624.5	33.0	11.2	44.2	68.2	-24.0	Peak	Horizontal
	11013.0	32.5	16.3	48.8	74.0	-25.2	Peak	Horizontal
*	13750.0	31.2	19.8	51.0	68.2	-17.2	Peak	Horizontal
	7290.0	33.4	10.7	44.1	74.0	-29.9	Peak	Vertical
*	8590.5	32.3	11.0	43.3	68.2	-24.9	Peak	Vertical
	10613.5	32.3	15.5	47.8	74.0	-26.2	Peak	Vertical
*	13605.5	31.2	19.0	50.2	68.2	-18.0	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)

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	48	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is 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	33.5	10.6	44.1	74.0	-29.9	Peak	Horizontal
*	8726.5	32.2	11.5	43.7	68.2	-24.5	Peak	Horizontal
	10622.0	32.5	15.5	48.0	74.0	-26.0	Peak	Horizontal
*	12798.0	31.7	16.5	48.2	68.2	-20.0	Peak	Horizontal
	7647.0	34.4	10.6	45.0	74.0	-29.0	Peak	Vertical
*	8616.0	31.6	11.2	42.8	68.2	-25.4	Peak	Vertical
	11616.5	31.4	17.5	48.9	74.0	-25.1	Peak	Vertical
*	13503.5	31.6	19.6	51.2	68.2	-17.0	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)

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	149	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7281.5	33.4	10.6	44.0	74.0	-30.0	Peak	Horizontal
*	8539.5	31.4	11.0	42.4	68.2	-25.8	Peak	Horizontal
	10851.5	31.7	16.1	47.8	74.0	-26.2	Peak	Horizontal
*	13792.5	31.0	19.9	50.9	68.2	-17.3	Peak	Horizontal
	7536.5	33.4	11.0	44.4	74.0	-29.6	Peak	Vertical
*	9831.5	32.7	13.2	45.9	68.2	-22.3	Peak	Vertical
	11514.5	31.2	17.4	48.6	74.0	-25.4	Peak	Vertical
*	13571.5	31.8	19.1	50.9	68.2	-17.3	Peak	Vertical

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

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

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

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	157	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7375.0	33.2	10.8	44.0	74.0	-30.0	Peak	Horizontal
*	10010.0	33.1	13.4	46.5	68.2	-21.7	Peak	Horizontal
	11608.0	32.0	17.4	49.4	74.0	-24.6	Peak	Horizontal
*	13809.5	31.5	20.3	51.8	68.2	-16.4	Peak	Horizontal
	7477.0	33.7	10.8	44.5	74.0	-29.5	Peak	Vertical
*	9551.0	33.1	12.8	45.9	68.2	-22.3	Peak	Vertical
	11506.0	31.1	17.5	48.6	74.0	-25.4	Peak	Vertical
*	13758.5	32.1	20.0	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)

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	165	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7256.0	32.4	10.7	43.1	74.0	-30.9	Peak	Horizontal
*	9602.0	32.9	12.6	45.5	68.2	-22.7	Peak	Horizontal
	10911.0	31.4	16.4	47.8	74.0	-26.2	Peak	Horizontal
*	13826.5	30.4	20.3	50.7	68.2	-17.5	Peak	Horizontal
	7256.0	32.9	10.7	43.6	74.0	-30.4	Peak	Vertical
*	9916.5	32.5	13.4	45.9	68.2	-22.3	Peak	Vertical
	11506.0	31.8	17.5	49.3	74.0	-24.7	Peak	Vertical
*	13716.0	31.9	19.7	51.6	68.2	-16.6	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)

Test Mode:	802.11n-HT20	Test Site:	AC1
Test Channel:	36	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7638.5	33.7	10.5	44.2	74.0	-29.8	Peak	Horizontal
*	10239.5	32.9	14.4	47.3	68.2	-20.9	Peak	Horizontal
	11599.5	31.8	17.1	48.9	74.0	-25.1	Peak	Horizontal
*	14132.5	32.0	21.0	53.0	68.2	-15.2	Peak	Horizontal
	7502.5	32.6	11.0	43.6	74.0	-30.4	Peak	Vertical
*	10290.5	32.7	14.7	47.4	68.2	-20.8	Peak	Vertical
	12126.5	32.0	17.0	49.0	74.0	-25.0	Peak	Vertical
*	13469.5	30.8	19.7	50.5	68.2	-17.7	Peak	Vertical

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

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

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

Test Mode:	802.11n-HT20	Test Site:	AC1
Test Channel:	44	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7519.5	33.4	10.9	44.3	74.0	-29.7	Peak	Horizontal
*	10205.5	32.8	14.0	46.8	68.2	-21.4	Peak	Horizontal
	11659.0	31.6	17.5	49.1	74.0	-24.9	Peak	Horizontal
*	13427.0	30.1	19.4	49.5	68.2	-18.7	Peak	Horizontal
	7434.5	31.8	10.7	42.5	74.0	-31.5	Peak	Vertical
*	10137.5	31.9	13.7	45.6	68.2	-22.6	Peak	Vertical
	12092.5	32.2	16.9	49.1	74.0	-24.9	Peak	Vertical
*	13733.0	31.8	19.1	50.9	68.2	-17.3	Peak	Vertical

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

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

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

Test Mode:	802.11n-HT20	Test Site:	AC1
Test Channel:	48	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is 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	34.0	10.5	44.5	74.0	-29.5	Peak	Horizontal
*	9891.0	33.0	13.2	46.2	68.2	-22.0	Peak	Horizontal
	11480.5	31.3	17.1	48.4	74.0	-25.6	Peak	Horizontal
*	13758.5	31.7	20.0	51.7	68.2	-16.5	Peak	Horizontal
	7434.5	32.3	10.7	43.0	74.0	-31.0	Peak	Vertical
*	10256.5	33.1	14.3	47.4	68.2	-20.8	Peak	Vertical
	11582.5	32.3	17.2	49.5	74.0	-24.5	Peak	Vertical
*	14217.5	31.0	21.5	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)

Test Mode:	802.11n-HT20	Test Site:	AC1
Test Channel:	149	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7706.5	34.5	10.2	44.7	74.0	-29.3	Peak	Horizontal
*	10265.0	32.5	14.2	46.7	68.2	-21.5	Peak	Horizontal
	11412.5	31.3	17.2	48.5	74.0	-25.5	Peak	Horizontal
*	14277.0	32.1	21.2	53.3	68.2	-14.9	Peak	Horizontal
	7570.5	31.5	10.8	42.3	74.0	-31.7	Peak	Vertical
*	10163.0	32.6	13.8	46.4	68.2	-21.8	Peak	Vertical
	11659.0	31.3	17.5	48.8	74.0	-25.2	Peak	Vertical
*	13665.0	30.2	19.2	49.4	68.2	-18.8	Peak	Vertical

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

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

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

Test Mode:	802.11n-HT20	Test Site:	AC1
Test Channel:	157	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is 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	32.3	10.7	43.0	74.0	-31.0	Peak	Horizontal
*	10146.0	33.2	13.8	47.0	68.2	-21.2	Peak	Horizontal
	11574.0	31.6	17.4	49.0	74.0	-25.0	Peak	Horizontal
*	13979.5	31.3	20.4	51.7	68.2	-16.5	Peak	Horizontal
	7519.5	33.4	10.9	44.3	74.0	-29.7	Peak	Vertical
*	10222.5	32.7	14.3	47.0	68.2	-21.2	Peak	Vertical
	11625.0	31.8	17.4	49.2	74.0	-24.8	Peak	Vertical
*	14073.0	32.2	20.5	52.7	68.2	-15.5	Peak	Vertical

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

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

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

Test Mode:	802.11n-HT20	Test Site:	AC1
Test Channel:	165	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7553.5	33.0	10.9	43.9	74.0	-30.1	Peak	Horizontal
*	10256.5	32.2	14.3	46.5	68.2	-21.7	Peak	Horizontal
	12024.5	32.2	17.0	49.2	74.0	-24.8	Peak	Horizontal
*	14481.0	32.0	20.9	52.9	68.2	-15.3	Peak	Horizontal
	7621.5	33.7	10.6	44.3	74.0	-29.7	Peak	Vertical
*	10214.0	32.2	14.1	46.3	68.2	-21.9	Peak	Vertical
	11531.5	31.6	17.2	48.8	74.0	-25.2	Peak	Vertical
*	14226.0	31.4	21.3	52.7	68.2	-15.5	Peak	Vertical

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

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

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

Test Mode:	802.11n-HT40	Test Site:	AC1
Test Channel:	38	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7519.5	33.3	10.9	44.2	74.0	-29.8	Peak	Horizontal
*	10129.0	33.0	13.6	46.6	68.2	-21.6	Peak	Horizontal
	11463.5	30.6	17.2	47.8	74.0	-26.2	Peak	Horizontal
*	13750.0	31.1	19.8	50.9	68.2	-17.3	Peak	Horizontal
	7570.5	33.2	10.8	44.0	74.0	-30.0	Peak	Vertical
*	10146.0	32.5	13.8	46.3	68.2	-21.9	Peak	Vertical
	10894.0	33.3	16.3	49.6	74.0	-24.4	Peak	Vertical
*	13427.0	30.6	19.4	50.0	68.2	-18.2	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)

Test Mode:	802.11n-HT40	Test Site:	AC1
Test Channel:	46	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is 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	32.5	10.8	43.3	74.0	-30.7	Peak	Horizontal
*	9899.5	32.9	13.3	46.2	68.2	-22.0	Peak	Horizontal
	11089.5	32.1	17.0	49.1	74.0	-24.9	Peak	Horizontal
*	13809.5	30.5	20.3	50.8	68.2	-17.4	Peak	Horizontal
	7341.0	33.4	10.7	44.1	74.0	-29.9	Peak	Vertical
*	10214.0	32.9	14.1	47.0	68.2	-21.2	Peak	Vertical
	11565.5	32.3	17.6	49.9	74.0	-24.1	Peak	Vertical
*	14285.5	31.7	21.0	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)

Test Mode:	802.11n-HT40	Test Site:	AC1
Test Channel:	151	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7528.0	33.1	11.0	44.1	74.0	-29.9	Peak	Horizontal
*	10171.5	31.3	14.0	45.3	68.2	-22.9	Peak	Horizontal
	11548.5	32.2	17.5	49.7	74.0	-24.3	Peak	Horizontal
*	13920.0	31.5	20.3	51.8	68.2	-16.4	Peak	Horizontal
	7502.5	32.2	11.0	43.2	74.0	-30.8	Peak	Vertical
*	9916.5	33.0	13.4	46.4	68.2	-21.8	Peak	Vertical
	11268.0	31.2	17.0	48.2	74.0	-25.8	Peak	Vertical
*	13801.0	31.8	20.0	51.8	68.2	-16.4	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)

Test Mode:	802.11n-HT40	Test Site:	AC1
Test Channel:	159	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7519.5	33.2	10.9	44.1	74.0	-29.9	Peak	Horizontal
*	9942.0	32.6	13.3	45.9	68.2	-22.3	Peak	Horizontal
	11200.0	31.7	16.9	48.6	74.0	-25.4	Peak	Horizontal
*	13818.0	31.0	20.5	51.5	68.2	-16.7	Peak	Horizontal
	7468.5	33.1	11.0	44.1	74.0	-29.9	Peak	Vertical
*	10282.0	32.7	14.6	47.3	68.2	-20.9	Peak	Vertical
	11616.5	31.7	17.5	49.2	74.0	-24.8	Peak	Vertical
*	13741.5	31.6	19.5	51.1	68.2	-17.1	Peak	Vertical

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

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

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

Test Mode:	802.11ac-VHT20	Test Site:	AC1
Test Channel:	36	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7528.0	32.6	11.0	43.6	74.0	-30.4	Peak	Horizontal
*	10273.5	33.2	14.4	47.6	68.2	-20.6	Peak	Horizontal
	11455.0	31.8	17.3	49.1	74.0	-24.9	Peak	Horizontal
*	13869.0	31.1	20.6	51.7	68.2	-16.5	Peak	Horizontal
	7256.0	33.3	10.7	44.0	74.0	-30.0	Peak	Vertical
*	10154.5	33.2	13.8	47.0	68.2	-21.2	Peak	Vertical
	11523.0	32.0	17.2	49.2	74.0	-24.8	Peak	Vertical
*	13767.0	31.4	20.1	51.5	68.2	-16.7	Peak	Vertical

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

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

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

Test Mode:	802.11ac-VHT20	Test Site:	AC1
Test Channel:	44	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7341.0	33.5	10.7	44.2	74.0	-29.8	Peak	Horizontal
*	10256.5	33.1	14.3	47.4	68.2	-20.8	Peak	Horizontal
	11506.0	31.6	17.5	49.1	74.0	-24.9	Peak	Horizontal
*	13452.5	31.2	19.7	50.9	68.2	-17.3	Peak	Horizontal
	7366.5	31.8	10.7	42.5	74.0	-31.5	Peak	Vertical
*	10265.0	32.8	14.2	47.0	68.2	-21.2	Peak	Vertical
	11608.0	32.1	17.4	49.5	74.0	-24.5	Peak	Vertical
*	13503.5	30.4	19.6	50.0	68.2	-18.2	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)

Test Mode:	802.11ac-VHT20	Test Site:	AC1
Test Channel:	48	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7536.5	32.7	11.0	43.7	74.0	-30.3	Peak	Horizontal
*	9950.5	32.8	13.5	46.3	68.2	-21.9	Peak	Horizontal
	10962.0	32.6	16.5	49.1	74.0	-24.9	Peak	Horizontal
*	13639.5	31.8	18.7	50.5	68.2	-17.7	Peak	Horizontal
	7341.0	33.1	10.7	43.8	74.0	-30.2	Peak	Vertical
*	10299.0	32.2	14.8	47.0	68.2	-21.2	Peak	Vertical
	11506.0	32.2	17.5	49.7	74.0	-24.3	Peak	Vertical
*	14124.0	30.8	21.2	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)

Test Mode:	802.11ac-VHT20	Test Site:	AC1
Test Channel:	149	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7519.5	33.9	10.9	44.8	74.0	-29.2	Peak	Horizontal
*	10018.5	34.1	13.2	47.3	68.2	-20.9	Peak	Horizontal
	11548.5	31.6	17.5	49.1	74.0	-24.9	Peak	Horizontal
*	13758.5	31.5	20.0	51.5	68.2	-16.7	Peak	Horizontal
	7553.5	33.3	10.9	44.2	74.0	-29.8	Peak	Vertical
*	10078.0	32.5	13.4	45.9	68.2	-22.3	Peak	Vertical
	10919.5	31.4	16.4	47.8	74.0	-26.2	Peak	Vertical
*	13750.0	31.1	19.8	50.9	68.2	-17.3	Peak	Vertical

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

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

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

Test Mode:	802.11ac-VHT20	Test Site:	AC1
Test Channel:	157	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7485.5	33.3	10.9	44.2	74.0	-29.8	Peak	Horizontal
*	10069.5	31.9	13.5	45.4	68.2	-22.8	Peak	Horizontal
	10970.5	32.5	16.5	49.0	74.0	-25.0	Peak	Horizontal
*	13665.0	32.7	19.2	51.9	68.2	-16.3	Peak	Horizontal
	7528.0	33.9	11.0	44.9	74.0	-29.1	Peak	Vertical
*	9899.5	32.7	13.3	46.0	68.2	-22.2	Peak	Vertical
	10902.5	32.3	16.3	48.6	74.0	-25.4	Peak	Vertical
*	13758.5	31.5	20.0	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)

Test Mode:	802.11ac-VHT20	Test Site:	AC1
Test Channel:	165	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7460.0	32.9	11.1	44.0	74.0	-30.0	Peak	Horizontal
*	10171.5	33.9	14.0	47.9	68.2	-20.3	Peak	Horizontal
	11565.5	31.9	17.6	49.5	74.0	-24.5	Peak	Horizontal
*	13614.0	31.9	19.1	51.0	68.2	-17.2	Peak	Horizontal
	7392.0	33.5	10.7	44.2	74.0	-29.8	Peak	Vertical
*	9899.5	31.7	13.3	45.0	68.2	-23.2	Peak	Vertical
	11268.0	30.7	17.0	47.7	74.0	-26.3	Peak	Vertical
*	13809.5	31.2	20.3	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)

Test Mode:	802.11ac-VHT40	Test Site:	AC1
Test Channel:	38	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is 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	35.0	11.0	46.0	74.0	-28.0	Peak	Horizontal
*	9908.0	33.4	13.5	46.9	68.2	-21.3	Peak	Horizontal
	10613.5	33.4	15.5	48.9	74.0	-25.1	Peak	Horizontal
*	14124.0	31.2	21.2	52.4	68.2	-15.8	Peak	Horizontal
	7434.5	31.6	10.7	42.3	74.0	-31.7	Peak	Vertical
*	10171.5	32.9	14.0	46.9	68.2	-21.3	Peak	Vertical
	11098.0	30.8	16.9	47.7	74.0	-26.3	Peak	Vertical
*	13979.5	30.5	20.4	50.9	68.2	-17.3	Peak	Vertical

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

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

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

Test Mode:	802.11ac-VHT40	Test Site:	AC1
Test Channel:	46	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7494.0	32.8	11.0	43.8	74.0	-30.2	Peak	Horizontal
*	10222.5	32.7	14.3	47.0	68.2	-21.2	Peak	Horizontal
	11540.0	31.9	17.3	49.2	74.0	-24.8	Peak	Horizontal
*	13707.5	31.6	19.5	51.1	68.2	-17.1	Peak	Horizontal
	7587.5	33.2	10.8	44.0	74.0	-30.0	Peak	Vertical
*	10265.0	32.1	14.2	46.3	68.2	-21.9	Peak	Vertical
	11548.5	31.5	17.5	49.0	74.0	-25.0	Peak	Vertical
*	13571.5	32.3	19.1	51.4	68.2	-16.8	Peak	Vertical

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

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

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

Test Mode:	802.11ac-VHT40	Test Site:	AC1
Test Channel:	151	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7460.0	33.2	11.1	44.3	74.0	-29.7	Peak	Horizontal
*	10095.0	33.1	13.4	46.5	68.2	-21.7	Peak	Horizontal
	11166.0	30.9	16.9	47.8	74.0	-26.2	Peak	Horizontal
*	13682.0	31.9	19.0	50.9	68.2	-17.3	Peak	Horizontal
	7290.0	33.6	10.7	44.3	74.0	-29.7	Peak	Vertical
*	9721.0	32.7	12.3	45.0	68.2	-23.2	Peak	Vertical
	10783.5	32.6	16.0	48.6	74.0	-25.4	Peak	Vertical
*	13682.0	31.9	19.0	50.9	68.2	-17.3	Peak	Vertical

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

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

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

Test Mode:	802.11ac-VHT40	Test Site:	AC1
Test Channel:	159	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is 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	33.2	10.8	44.0	74.0	-30.0	Peak	Horizontal
*	9874.0	32.9	13.4	46.3	68.2	-21.9	Peak	Horizontal
	11021.5	32.1	16.5	48.6	74.0	-25.4	Peak	Horizontal
*	13452.5	30.5	19.7	50.2	68.2	-18.0	Peak	Horizontal
	7494.0	33.2	11.0	44.2	74.0	-29.8	Peak	Vertical
*	9831.5	33.0	13.2	46.2	68.2	-22.0	Peak	Vertical
	10953.5	32.3	16.4	48.7	74.0	-25.3	Peak	Vertical
*	13707.5	31.2	19.5	50.7	68.2	-17.5	Peak	Vertical

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

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

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

Test Mode:	802.11ac-VHT80	Test Site:	AC1
Test Channel:	42	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7519.5	33.8	10.9	44.7	74.0	-29.3	Peak	Horizontal
*	10188.5	32.8	14.1	46.9	68.2	-21.3	Peak	Horizontal
	11166.0	30.7	16.9	47.6	74.0	-26.4	Peak	Horizontal
*	13852.0	30.2	20.0	50.2	68.2	-18.0	Peak	Horizontal
	7349.5	33.6	10.7	44.3	74.0	-29.7	Peak	Vertical
*	10180.0	33.5	14.3	47.8	68.2	-20.4	Peak	Vertical
	11565.5	31.9	17.6	49.5	74.0	-24.5	Peak	Vertical
*	13716.0	32.1	19.7	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)

Test Mode:	802.11ac-VHT80	Test Site:	AC1
Test Channel:	155	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7570.5	31.8	10.8	42.6	74.0	-31.4	Peak	Horizontal
*	10171.5	32.0	14.0	46.0	68.2	-22.2	Peak	Horizontal
	10928.0	32.8	16.4	49.2	74.0	-24.8	Peak	Horizontal
*	13733.0	31.0	19.1	50.1	68.2	-18.1	Peak	Horizontal
	7562.0	34.0	10.9	44.9	74.0	-29.1	Peak	Vertical
*	8021.0	31.7	10.8	42.5	68.2	-25.7	Peak	Vertical
	11072.5	31.6	16.5	48.1	74.0	-25.9	Peak	Vertical
*	13036.0	31.5	17.5	49.0	68.2	-19.2	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)

Test Mode:	802.11ac-VHT80+80	Test Site:	AC1
Test Channel:	42+155	Test Engineer:	Jone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7046.7	31.9	9.7	41.6	68.2	-26.6	Peak	Horizontal
	8243.7	31.2	10.3	41.5	74.0	-32.5	Peak	Horizontal
*	9247.7	31.3	12.8	44.1	68.2	-24.1	Peak	Horizontal
	11726.5	30.1	17.2	47.3	74.0	-26.7	Peak	Horizontal
*	7026.5	31.6	9.4	41.0	68.2	-27.2	Peak	Vertical
	8173.7	32.0	10.5	42.5	74.0	-31.5	Peak	Vertical
*	9268.7	31.7	13.0	44.7	68.2	-23.5	Peak	Vertical
	11746.1	30.0	16.8	46.8	74.0	-27.2	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)

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 within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an e.i.r.p. of −17 dBm/MHz; for frequencies 10 MHz or greater above or below the band edge, emissions shall not exceed an e.i.r.p. of −27 dBm/MHz.

Refer to KDB 789033 D02v01 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 (or -17 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 or -17 dBm/MHz maximum emission limit.

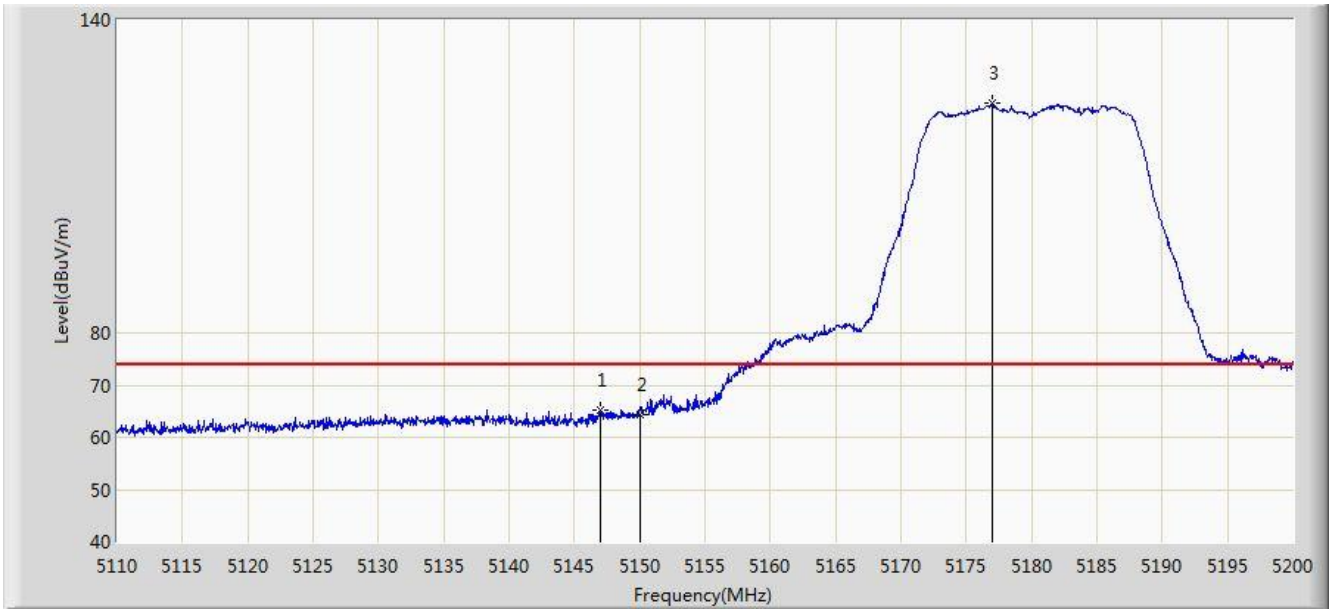
All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR must not exceed the limits shown in Table per Section 15.209.

FCC Part 15 Subpart C Paragraph 15.209		
Frequency [MHz]	Field Strength [V/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

Radio A Radiated Restricted Band Edge Measurement

Site: AC2	Time: 2017/01/23 - 15:36
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5180MHz Ant 0+1	

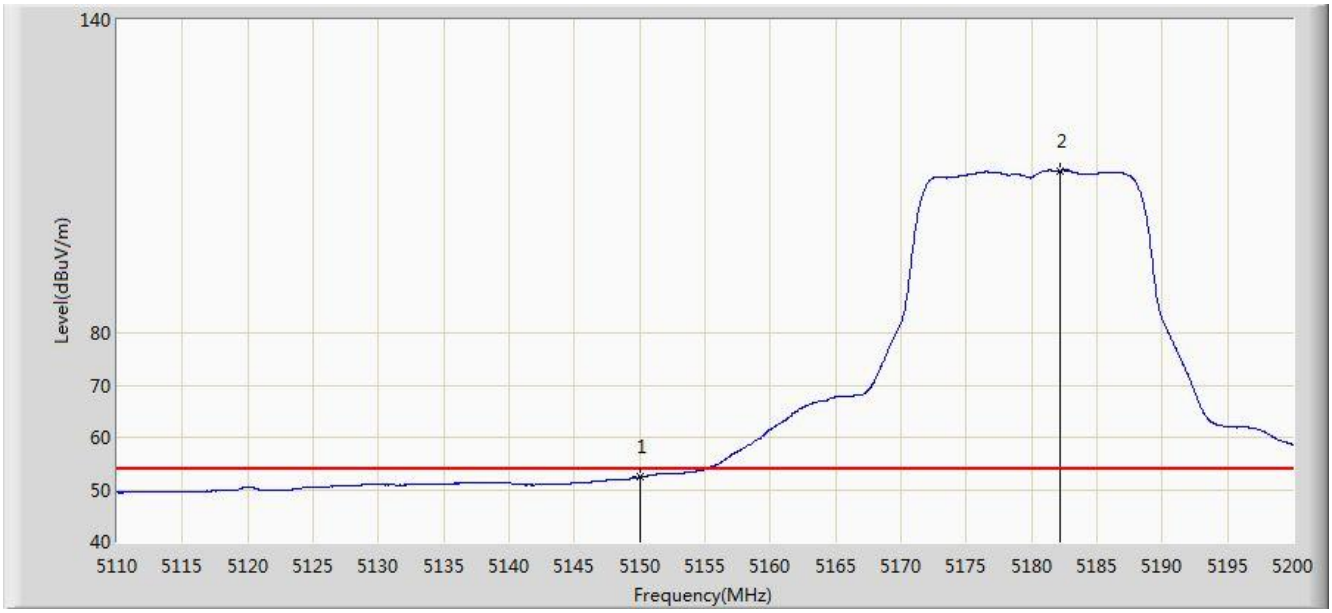


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5146.945	65.284	62.207	-8.716	74.000	3.076	PK
2			5150.000	64.228	61.158	-9.772	74.000	3.069	PK
3		*	5177.005	124.093	121.062	N/A	N/A	3.031	PK

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

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

Site: AC2	Time: 2017/01/23 - 15:34
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5180MHz Ant 0+1	

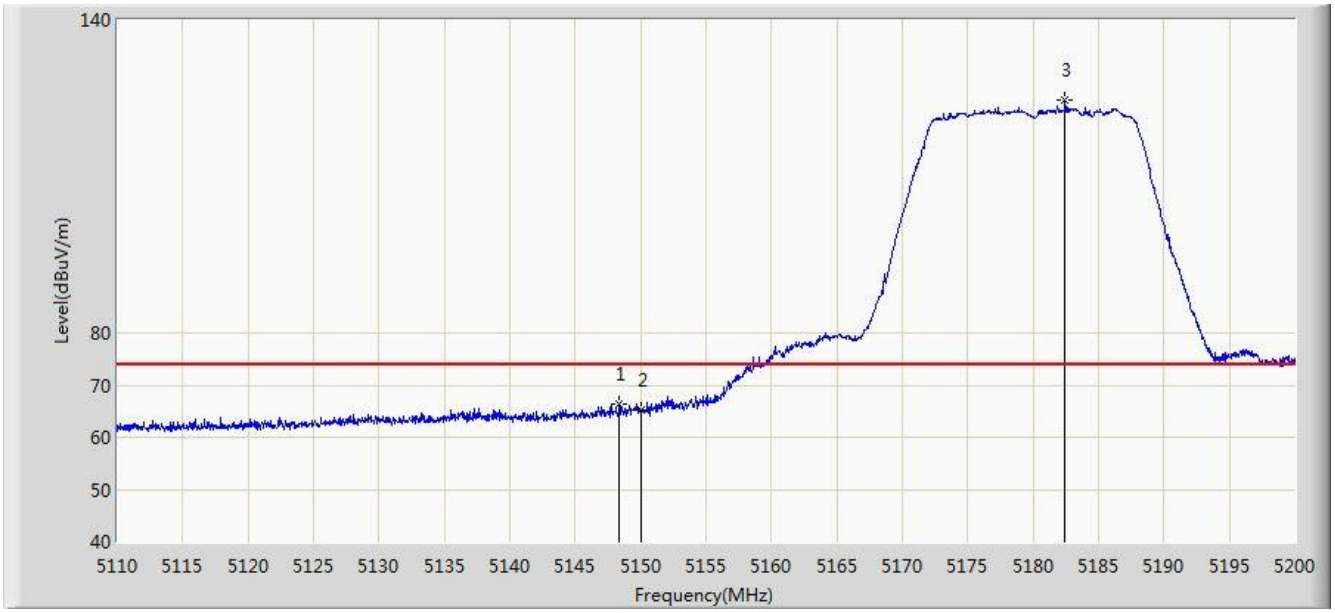


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	52.375	49.305	-1.625	54.000	3.069	AV
2		*	5182.180	111.144	108.095	N/A	N/A	3.049	AV

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

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

Site: AC2	Time: 2017/01/23 - 15:37
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5180MHz Ant 0+1	

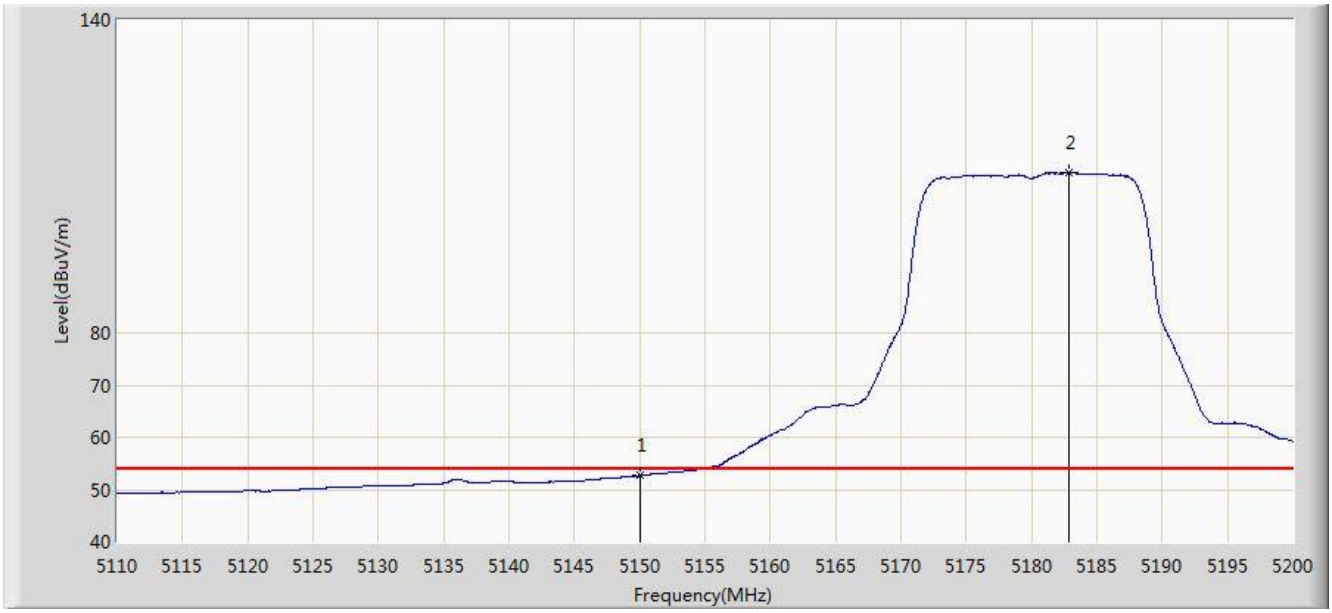


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.340	66.499	63.426	-7.501	74.000	3.073	PK
2			5150.000	65.318	62.248	-8.682	74.000	3.069	PK
3		*	5182.450	124.642	121.597	N/A	N/A	3.046	PK

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

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

Site: AC2	Time: 2017/01/23 - 15:38
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5180MHz Ant 0+1	

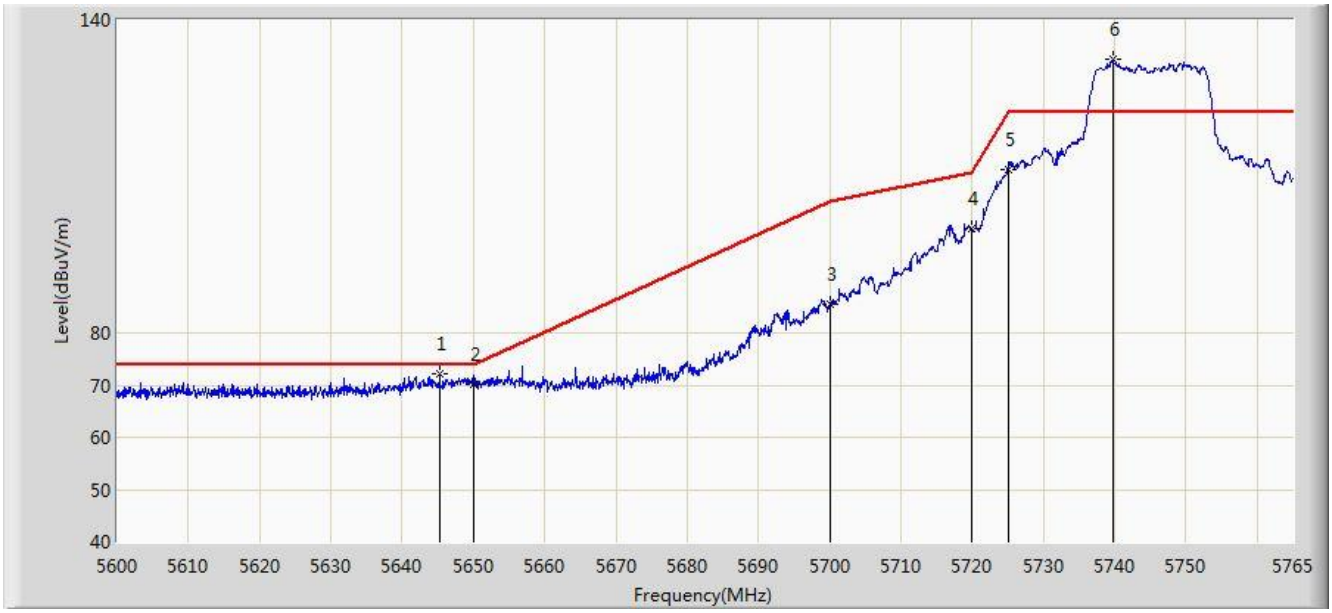


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	52.653	49.583	-1.347	54.000	3.069	AV
2		*	5182.855	110.842	107.802	N/A	N/A	3.040	AV

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

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

Site: AC2	Time: 2017/01/23 - 16:20
Limit: FCC_Part15.407_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5745MHz Ant 0+1	

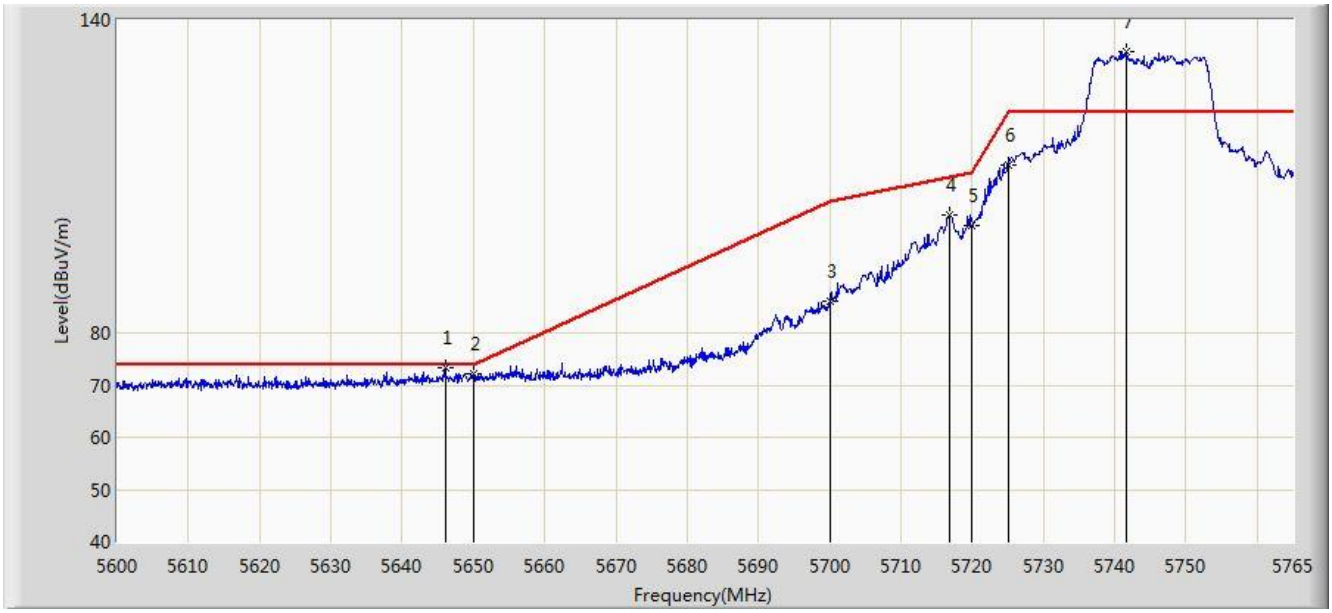


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5645.292	72.045	68.134	-1.955	74.000	3.911	PK
2			5650.000	70.210	66.407	-3.790	74.000	3.803	PK
3			5700.000	85.594	81.654	-19.606	105.200	3.940	PK
4			5720.000	99.970	95.988	-10.830	110.800	3.982	PK
5			5725.000	111.196	107.090	-11.004	122.200	4.105	PK
6		*	5739.672	132.437	128.158	N/A	N/A	4.279	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: AC2	Time: 2017/01/23 - 16:18
Limit: FCC_Part15.407_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5745MHz Ant 0+1	

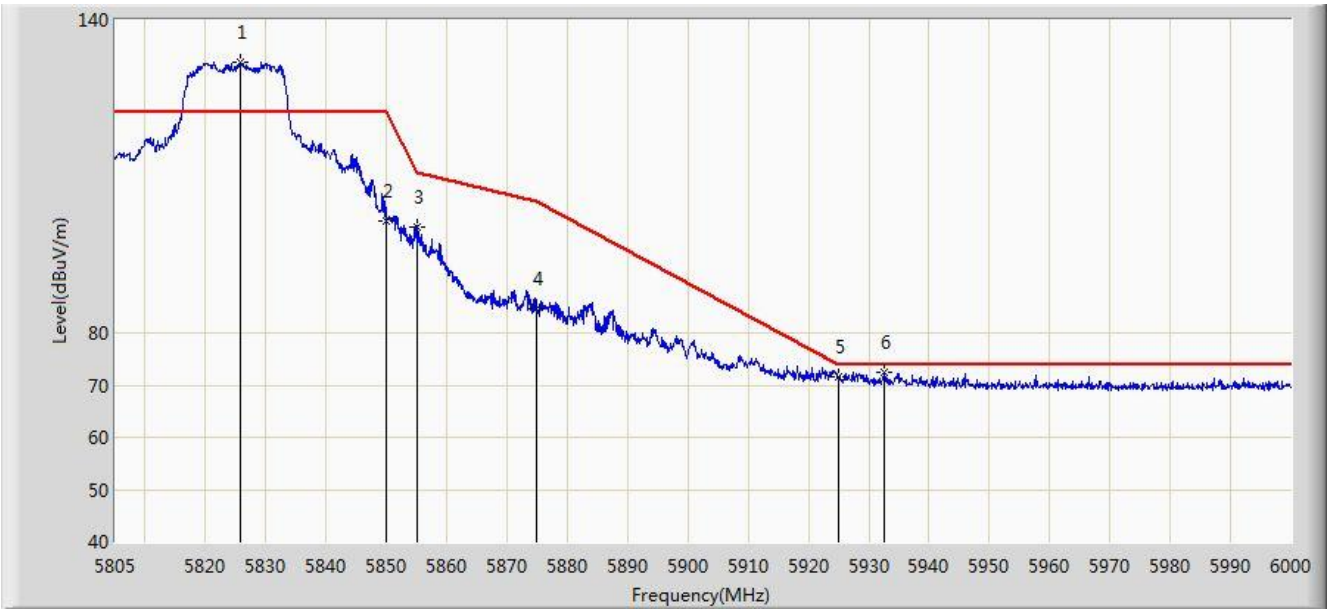


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5646.118	73.367	69.475	-0.633	74.000	3.892	PK
2			5650.000	72.194	68.391	-1.806	74.000	3.803	PK
3			5700.000	85.993	82.053	-19.207	105.200	3.940	PK
4			5716.820	102.593	98.689	-7.318	109.911	3.905	PK
5			5720.000	100.616	96.634	-10.184	110.800	3.982	PK
6			5725.000	112.172	108.066	-10.028	122.200	4.105	PK
7		*	5741.735	133.803	129.529	N/A	N/A	4.274	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: AC2	Time: 2017/01/23 - 16:23
Limit: FCC_Part15.407_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5825MHz Ant 0+1	

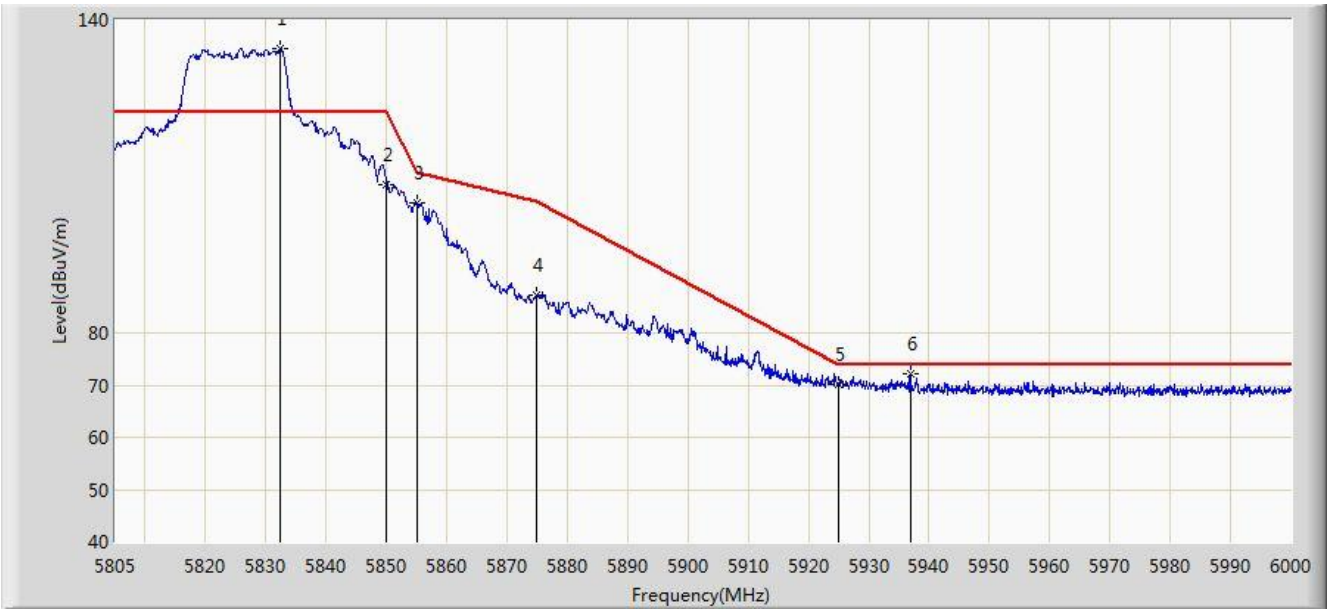


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5825.768	131.959	127.210	N/A	N/A	4.750	PK
2			5850.000	101.391	96.396	-20.809	122.200	4.995	PK
3			5855.000	100.179	95.191	-10.621	110.800	4.987	PK
4			5875.000	84.509	79.502	-20.691	105.200	5.008	PK
5			5925.000	71.477	66.325	-2.523	74.000	5.152	PK
6			5932.627	72.469	67.279	-1.531	74.000	5.189	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: AC2	Time: 2017/01/23 - 16:22
Limit: FCC_Part15.407_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5825MHz Ant 0+1	

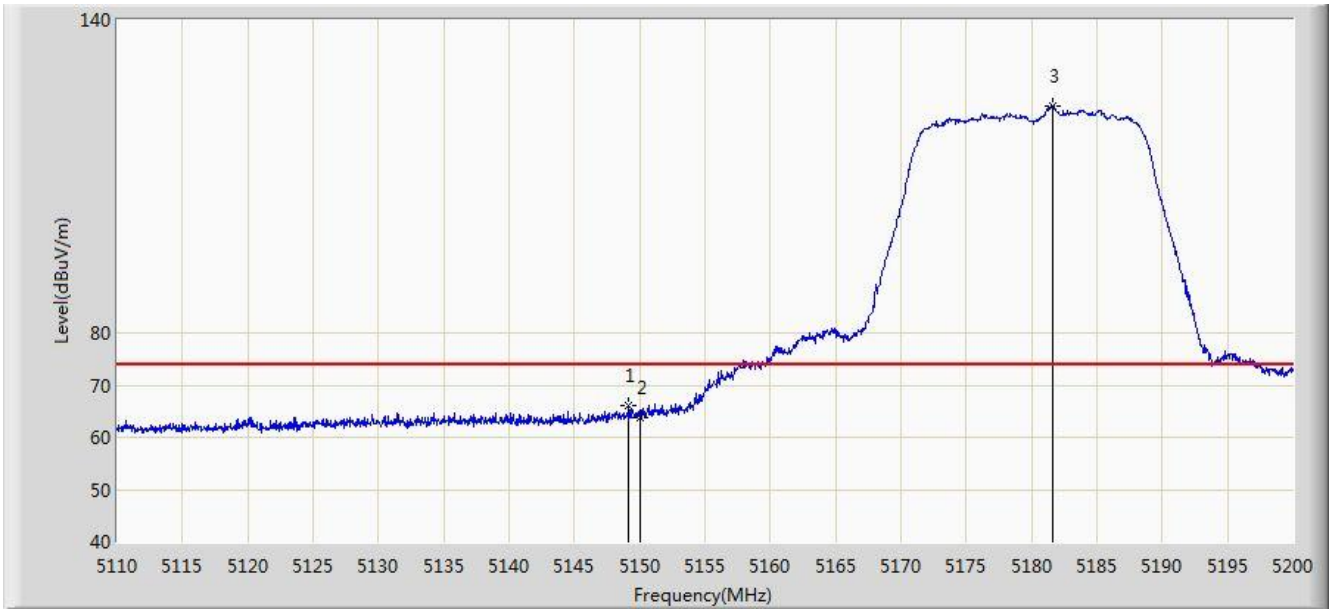


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5832.397	134.520	129.657	N/A	N/A	4.863	PK
2			5850.000	108.397	103.402	-13.803	122.200	4.995	PK
3			5855.000	104.831	99.843	-5.969	110.800	4.987	PK
4			5875.000	87.129	82.122	-18.071	105.200	5.008	PK
5			5925.000	70.267	65.115	-3.733	74.000	5.152	PK
6			5936.917	72.123	66.943	-1.877	74.000	5.180	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: AC2	Time: 2017/01/23 - 16:34
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz Ant 0+1	

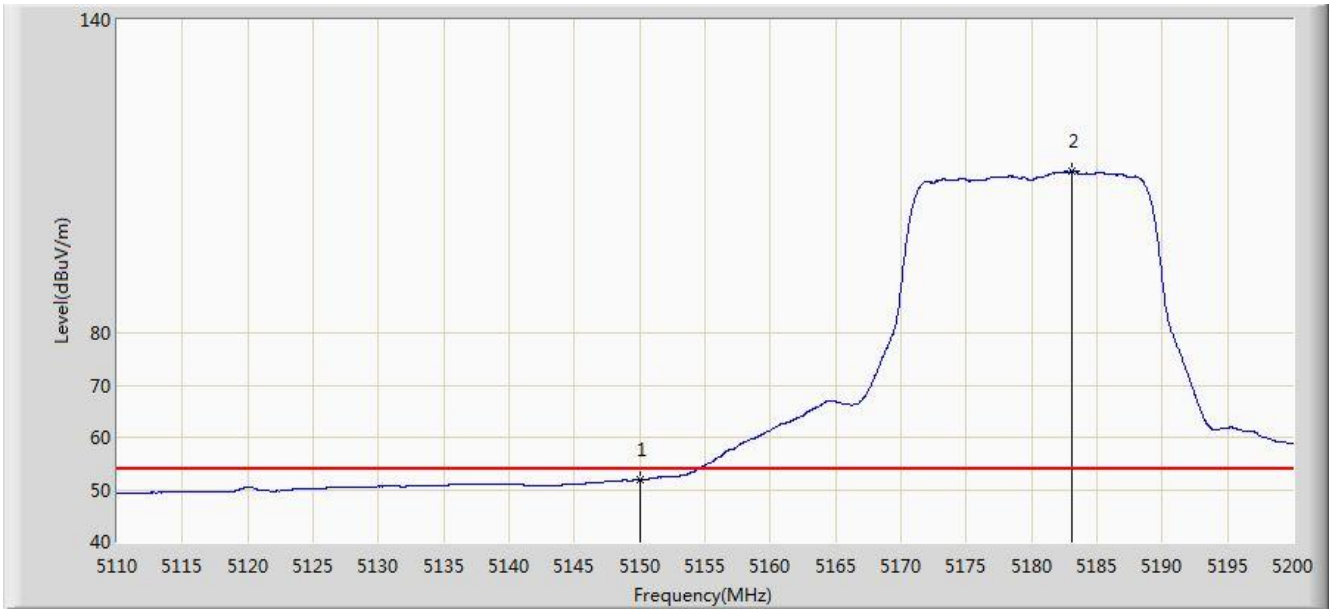


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.150	66.135	63.063	-7.865	74.000	3.072	PK
2			5150.000	63.870	60.800	-10.130	74.000	3.069	PK
3		*	5181.595	123.484	120.435	N/A	N/A	3.050	PK

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

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

Site: AC2	Time: 2017/01/23 - 16:33
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz Ant 0+1	

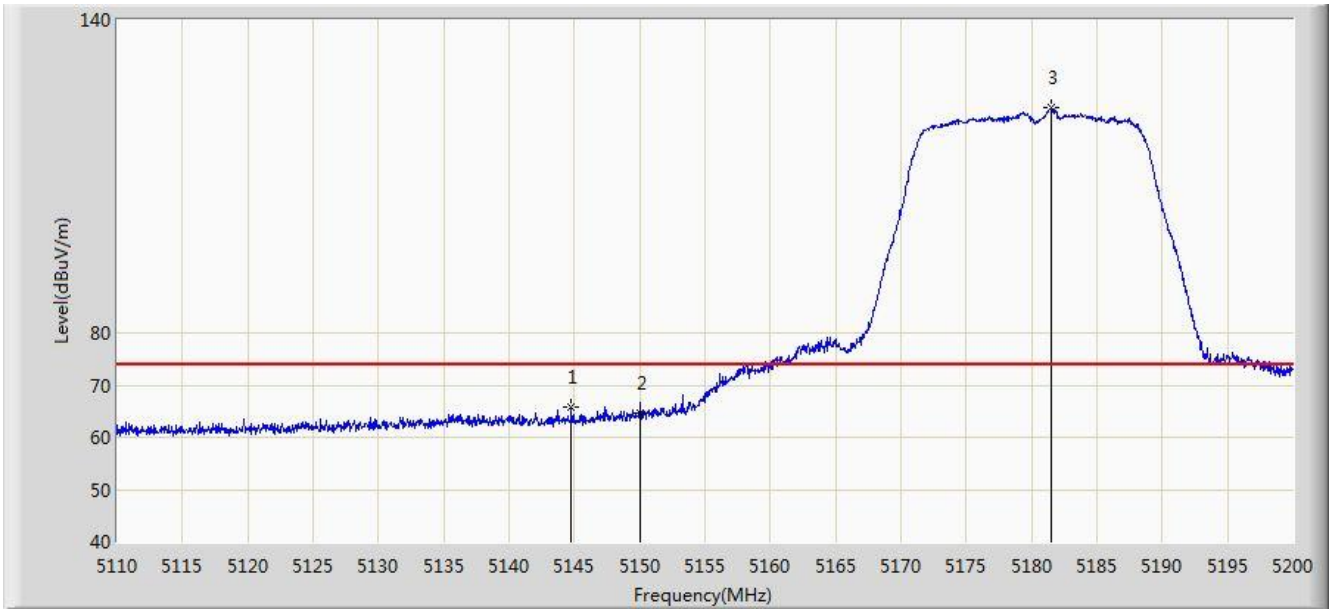


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.937	48.867	-2.063	54.000	3.069	AV
2		*	5183.080	111.003	107.966	N/A	N/A	3.037	AV

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

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

Site: AC2	Time: 2017/01/23 - 16:35
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz Ant 0+1	

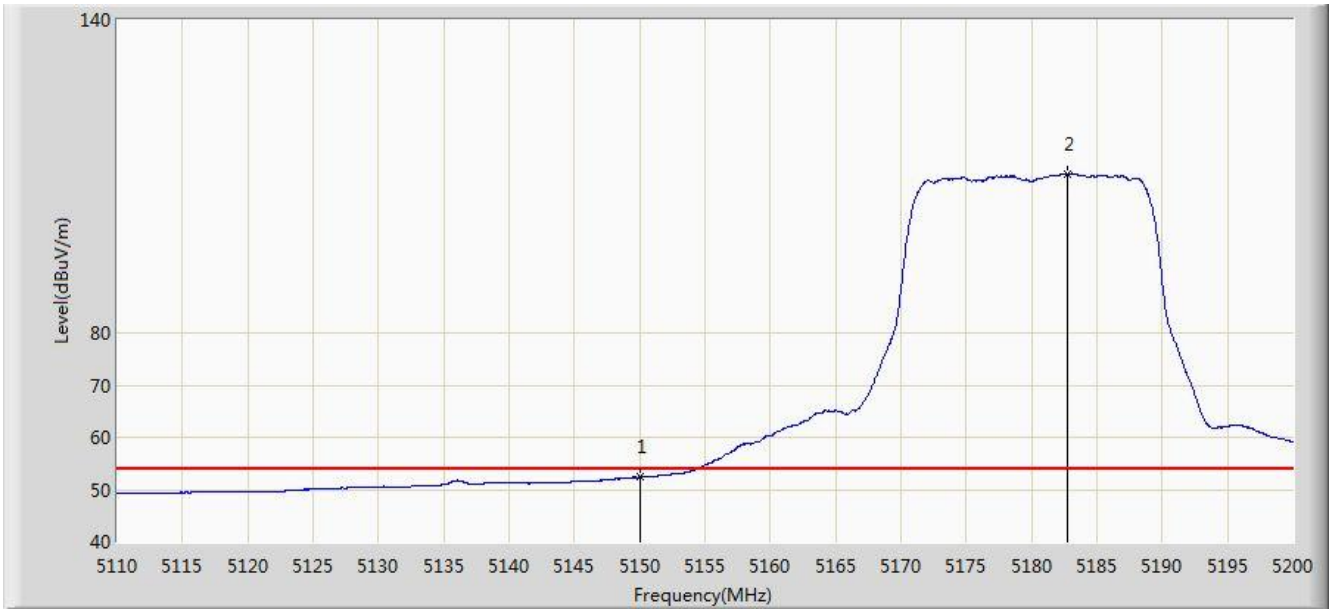


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5144.785	65.735	62.653	-8.265	74.000	3.082	PK
2			5150.000	64.724	61.654	-9.276	74.000	3.069	PK
3		*	5181.505	123.257	120.208	N/A	N/A	3.049	PK

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

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

Site: AC2	Time: 2017/01/23 - 16:36
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz Ant 0+1	

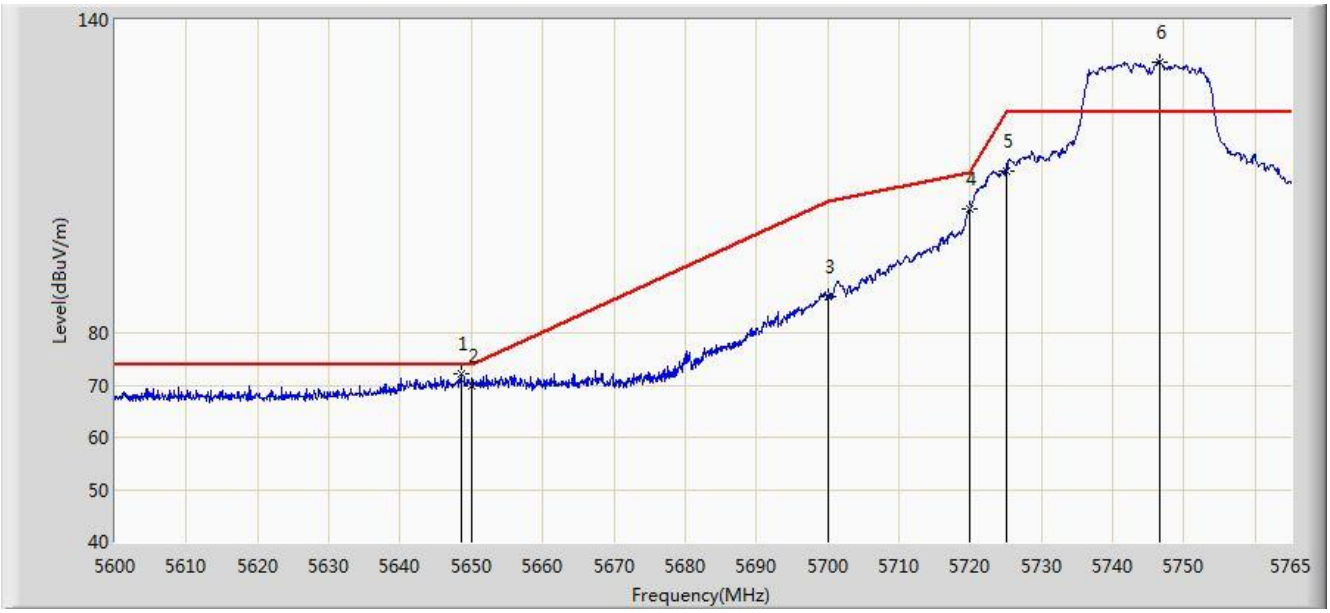


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	52.346	49.276	-1.654	54.000	3.069	AV
2		*	5182.720	110.455	107.413	N/A	N/A	3.043	AV

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

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

Site: AC2	Time: 2017/01/23 - 16:59
Limit: FCC_Part15.407_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5745MHz Ant 0+1	

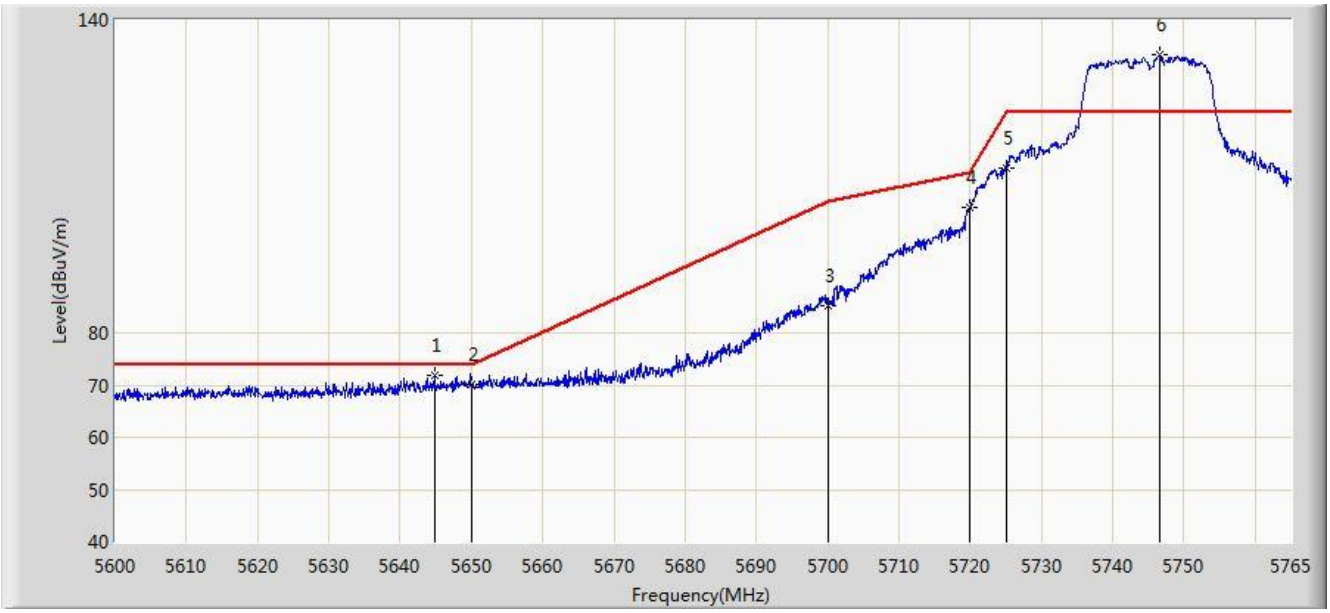


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5648.510	72.141	68.304	-1.859	74.000	3.838	PK
2			5650.000	69.902	66.099	-4.098	74.000	3.803	PK
3			5700.000	86.899	82.959	-18.301	105.200	3.940	PK
4			5720.000	103.877	99.895	-6.923	110.800	3.982	PK
5			5725.000	110.921	106.815	-11.279	122.200	4.105	PK
6		*	5746.685	131.853	127.585	N/A	N/A	4.268	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: AC2	Time: 2017/01/23 - 16:57
Limit: FCC_Part15.407_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5745MHz Ant 0+1	

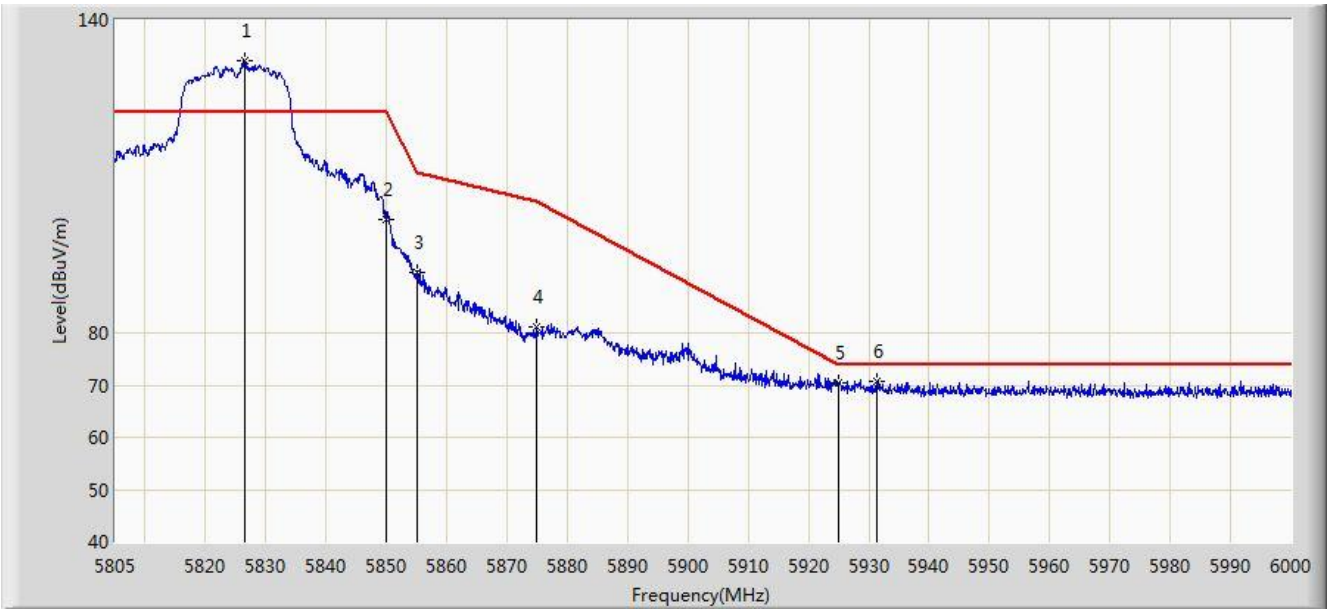


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5644.797	71.980	68.066	-2.020	74.000	3.914	PK
2			5650.000	70.223	66.420	-3.777	74.000	3.803	PK
3			5700.000	85.301	81.361	-19.899	105.200	3.940	PK
4			5720.000	104.145	100.163	-6.655	110.800	3.982	PK
5			5725.000	111.635	107.529	-10.565	122.200	4.105	PK
6		*	5746.520	133.421	129.153	N/A	N/A	4.268	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: AC2	Time: 2017/01/23 - 17:02
Limit: FCC_Part15.407_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5825MHz Ant 0+1	

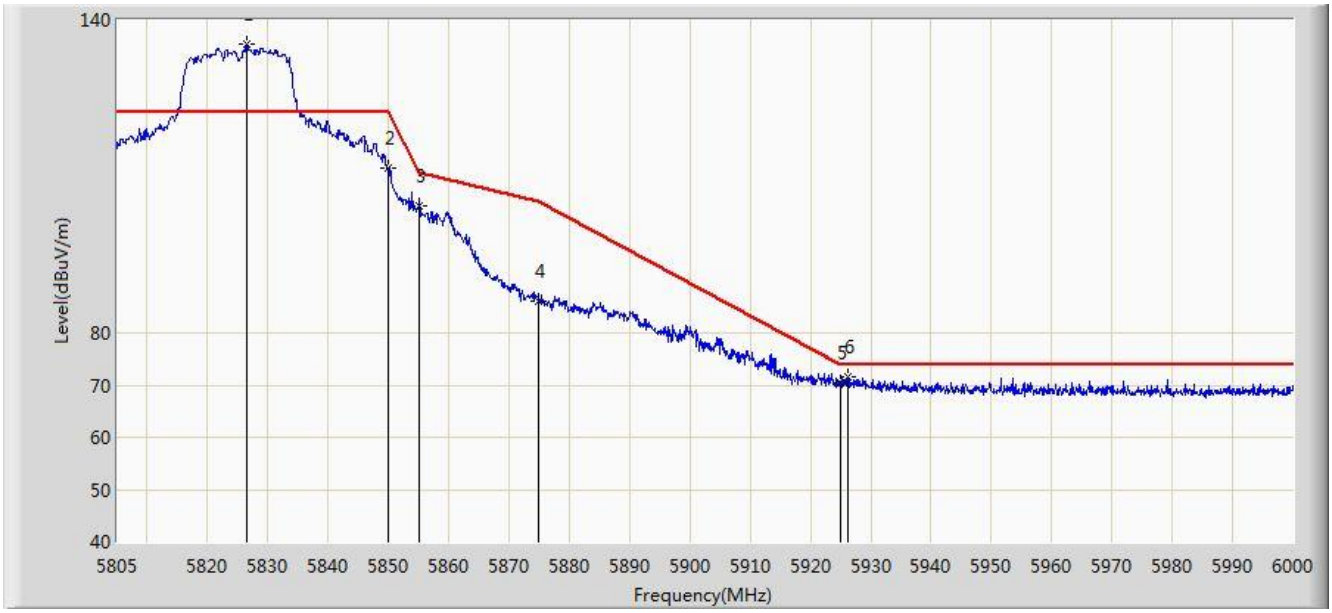


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5826.450	132.042	127.282	N/A	N/A	4.760	PK
2			5850.000	101.853	96.858	-20.347	122.200	4.995	PK
3			5855.000	91.509	86.521	-19.291	110.800	4.987	PK
4			5875.000	81.056	76.049	-24.144	105.200	5.008	PK
5			5925.000	70.385	65.233	-3.615	74.000	5.152	PK
6			5931.360	70.836	65.643	-3.164	74.000	5.193	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: AC2	Time: 2017/01/23 - 17:01
Limit: FCC_Part15.407_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5825MHz Ant 0+1	

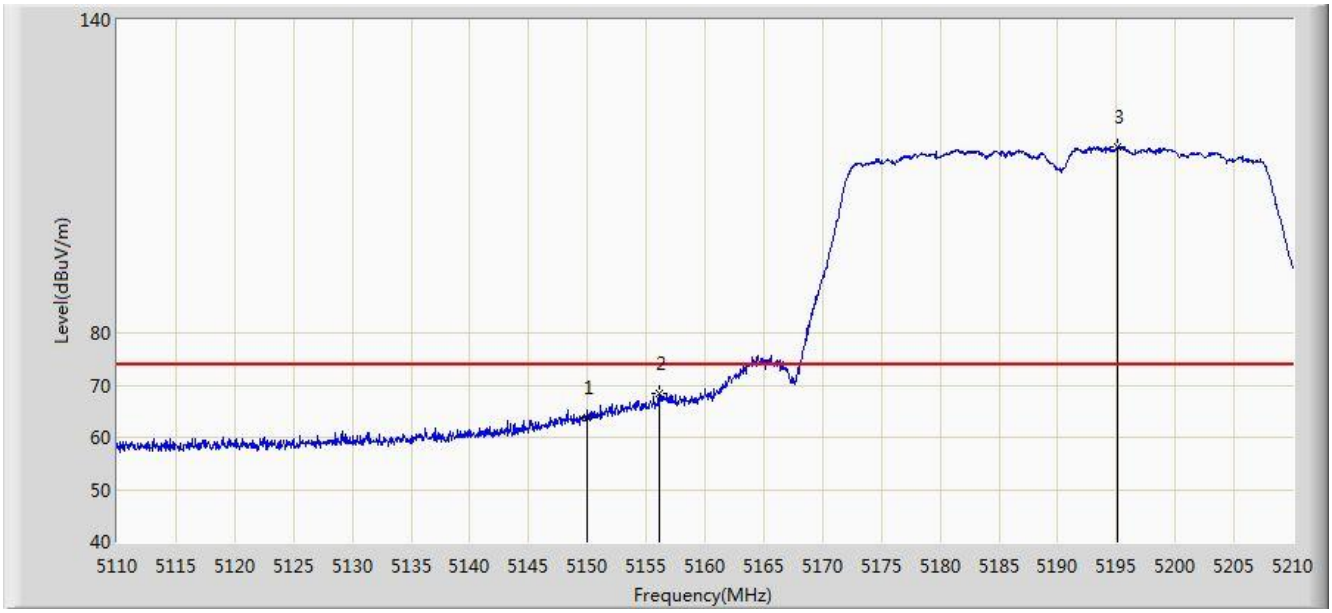


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5826.450	135.220	130.460	N/A	N/A	4.760	PK
2			5850.000	111.534	106.539	-10.666	122.200	4.995	PK
3			5855.000	104.489	99.501	-6.311	110.800	4.987	PK
4			5875.000	85.959	80.952	-19.241	105.200	5.008	PK
5			5925.000	70.514	65.362	-3.486	74.000	5.152	PK
6			5926.290	71.703	66.540	-2.297	74.000	5.163	PK

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

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

Site: AC2	Time: 2017/01/23 - 17:17
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz Ant 0+1	

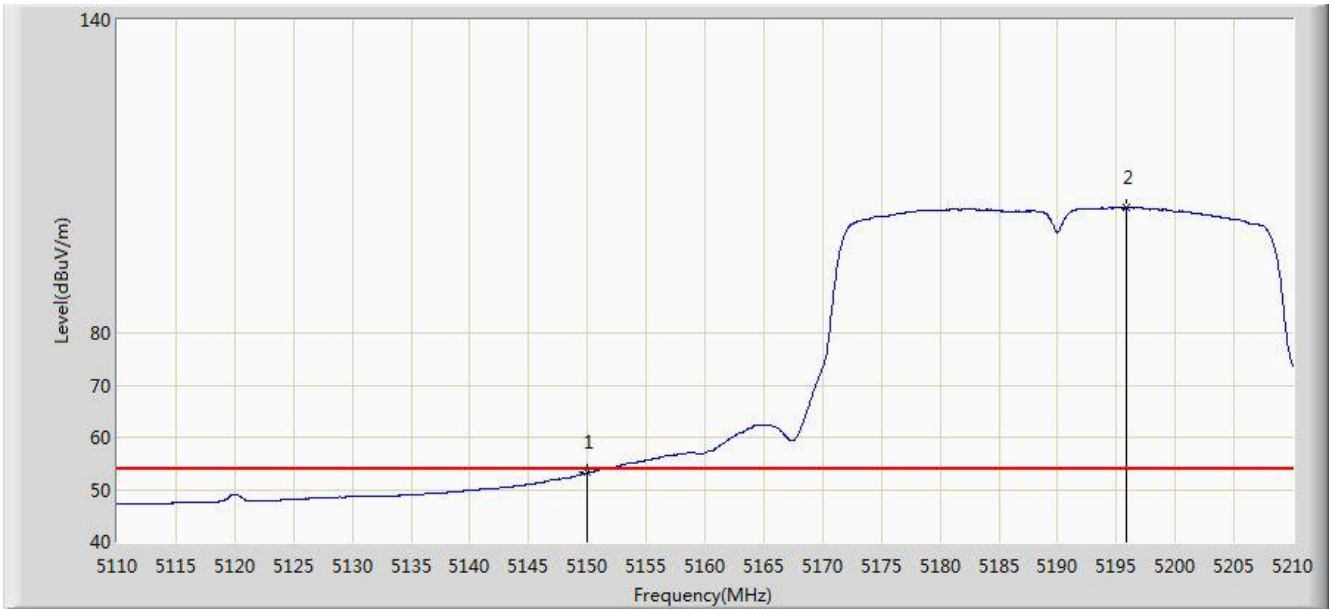


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	63.909	60.839	-10.091	74.000	3.069	PK
2			5156.100	68.398	65.349	-5.602	74.000	3.049	PK
3		*	5195.150	115.718	112.843	N/A	N/A	2.874	PK

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

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

Site: AC2	Time: 2017/01/23 - 17:14
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz Ant 0+1	

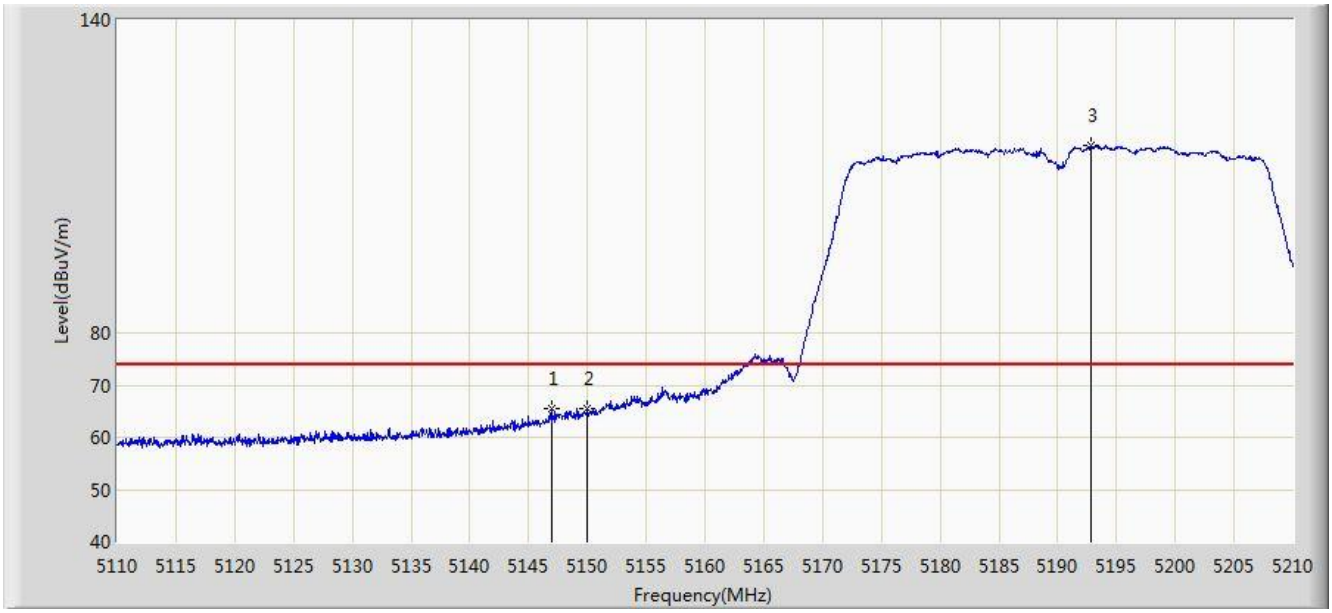


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.240	50.170	-0.760	54.000	3.069	AV
2		*	5195.800	103.968	101.103	N/A	N/A	2.864	AV

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

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

Site: AC2	Time: 2017/01/23 - 17:28
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz Ant 0+1	

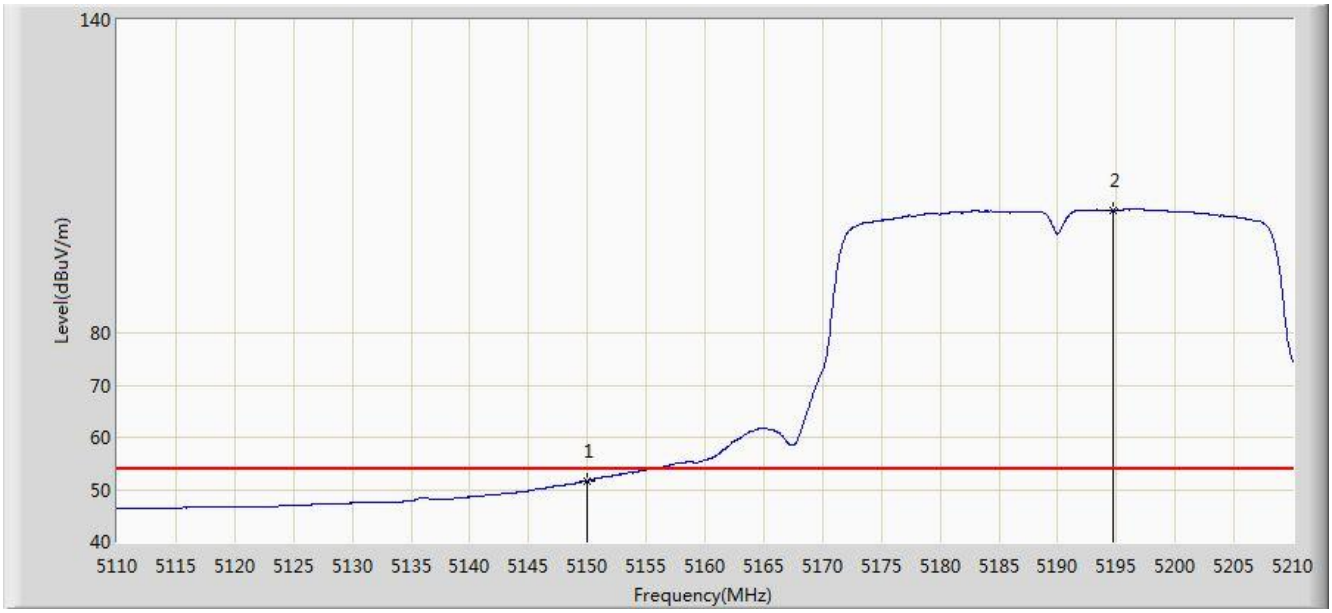


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5146.950	65.534	62.457	-8.466	74.000	3.076	PK
2			5150.000	65.415	62.345	-8.585	74.000	3.069	PK
3		*	5192.850	115.845	112.936	N/A	N/A	2.909	PK

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

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

Site: AC2	Time: 2017/01/23 - 17:30
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz Ant 0+1	

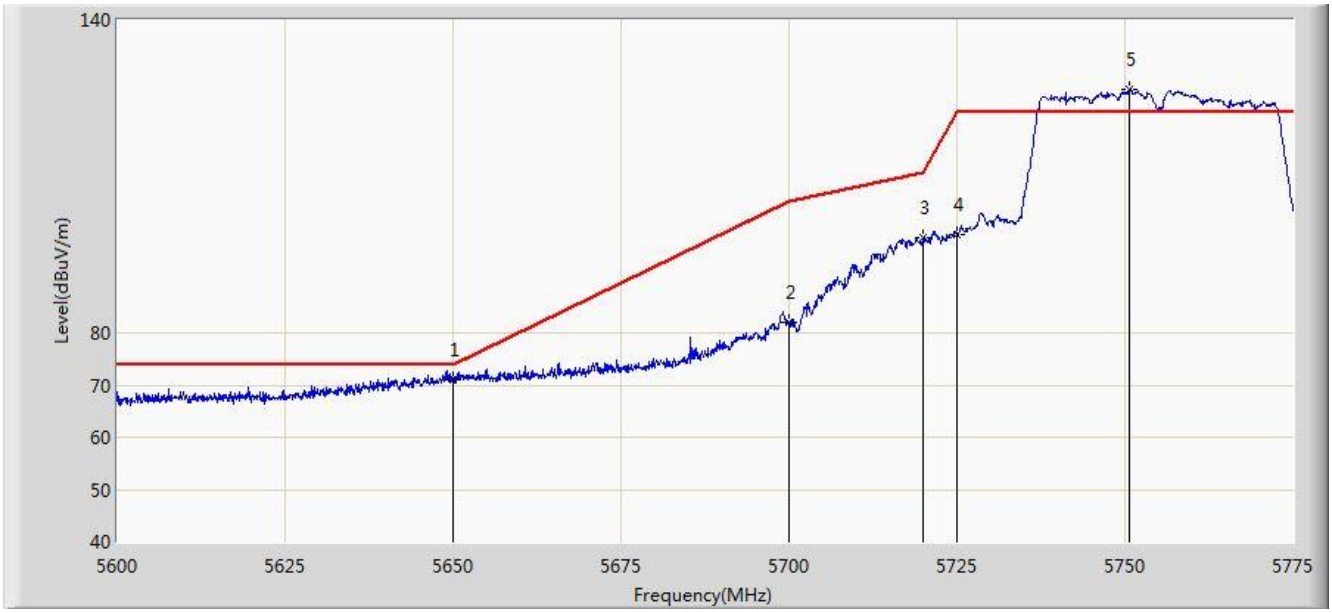


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.622	48.552	-2.378	54.000	3.069	AV
2		*	5194.700	103.541	100.660	N/A	N/A	2.882	AV

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

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

Site: AC2	Time: 2017/01/23 - 19:02
Limit: FCC_Part15.407_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5755MHz Ant 0+1	

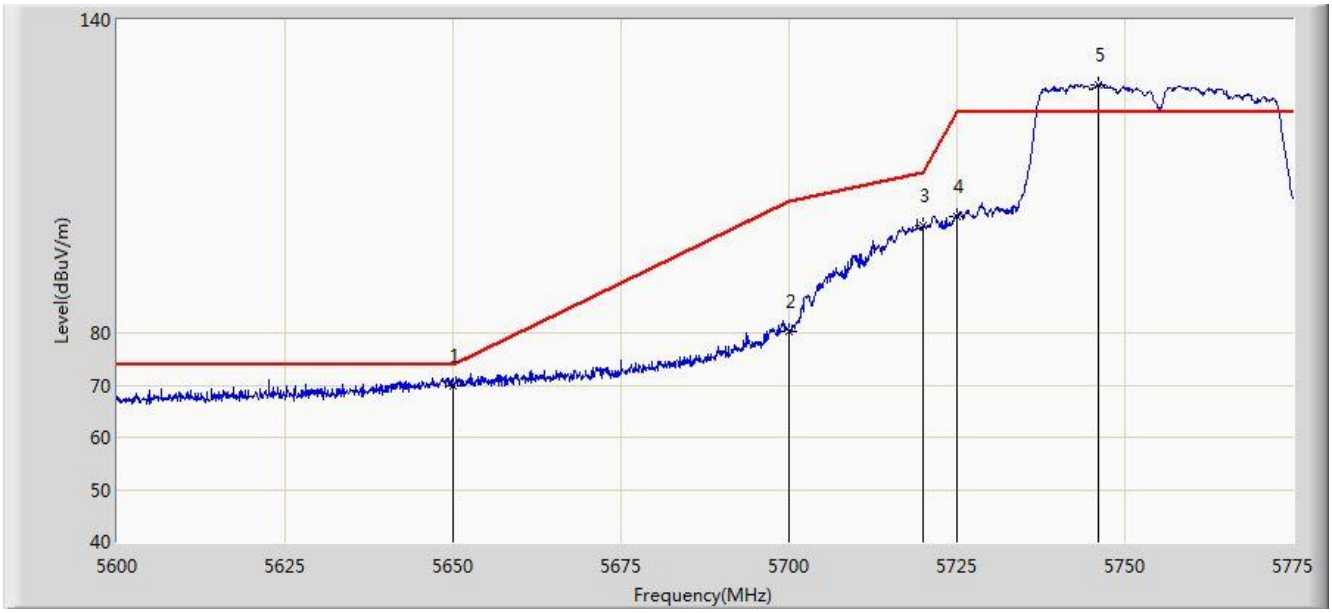


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5650.000	71.094	67.291	-2.906	74.000	3.803	PK
2			5700.000	81.972	78.032	-23.228	105.200	3.940	PK
3			5720.000	98.136	94.154	-12.664	110.800	3.982	PK
4			5725.000	98.972	94.866	-23.228	122.200	4.105	PK
5		*	5750.675	126.535	122.257	N/A	N/A	4.279	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: AC2	Time: 2017/01/23 - 19:05
Limit: FCC_Part15.407_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5755MHz Ant 0+1	

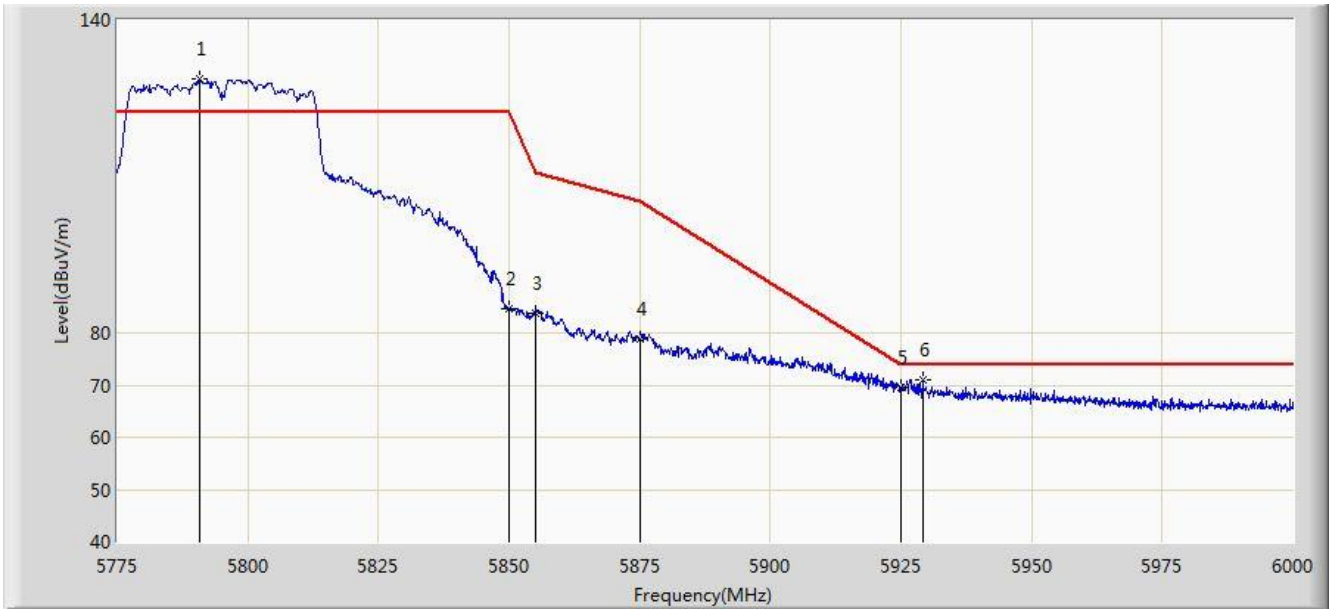


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5650.000	69.821	66.018	-4.179	74.000	3.803	PK
2			5700.000	80.308	76.368	-24.892	105.200	3.940	PK
3			5720.000	100.601	96.619	-10.199	110.800	3.982	PK
4			5725.000	102.272	98.166	-19.928	122.200	4.105	PK
5		*	5746.038	127.573	123.304	N/A	N/A	4.268	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: AC2	Time: 2017/01/23 - 19:11
Limit: FCC_Part15.407_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5795MHz Ant 0+1	

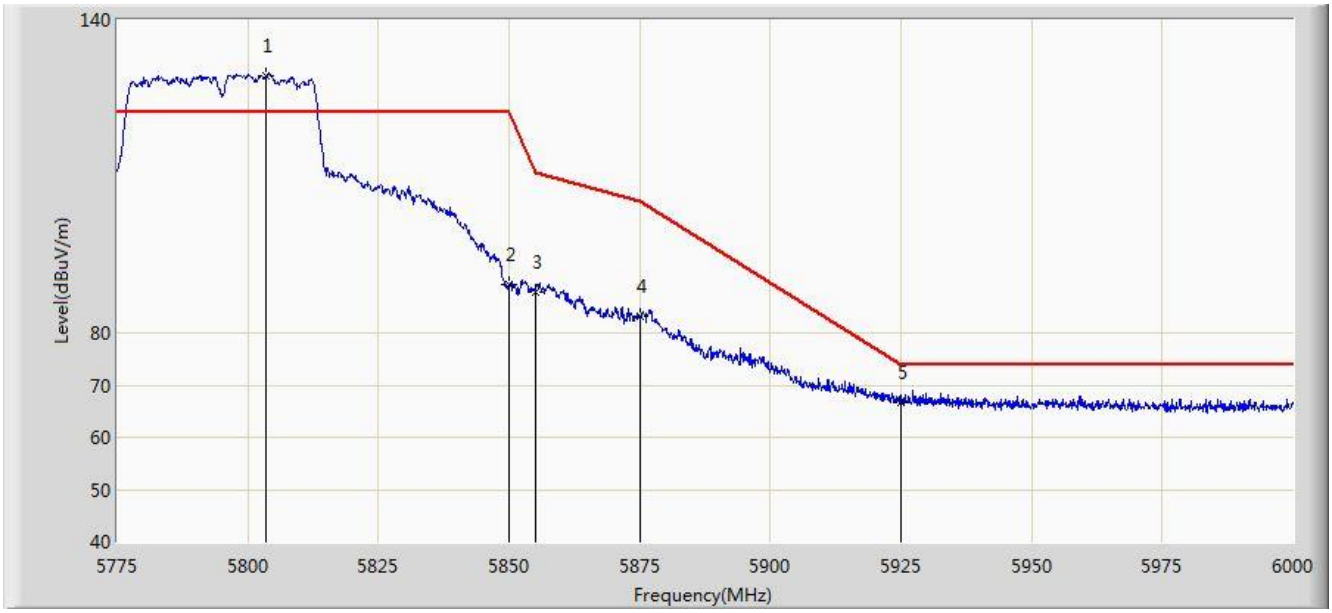


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5790.750	128.742	124.190	N/A	N/A	4.552	PK
2			5850.000	84.609	79.614	-37.591	122.200	4.995	PK
3			5855.000	83.814	78.826	-26.986	110.800	4.987	PK
4			5875.000	78.886	73.879	-26.314	105.200	5.008	PK
5			5925.000	69.474	64.322	-4.526	74.000	5.152	PK
6			5929.237	70.933	65.743	-3.067	74.000	5.189	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: AC2	Time: 2017/01/23 - 19:12
Limit: FCC_Part15.407_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5795MHz Ant 0+1	

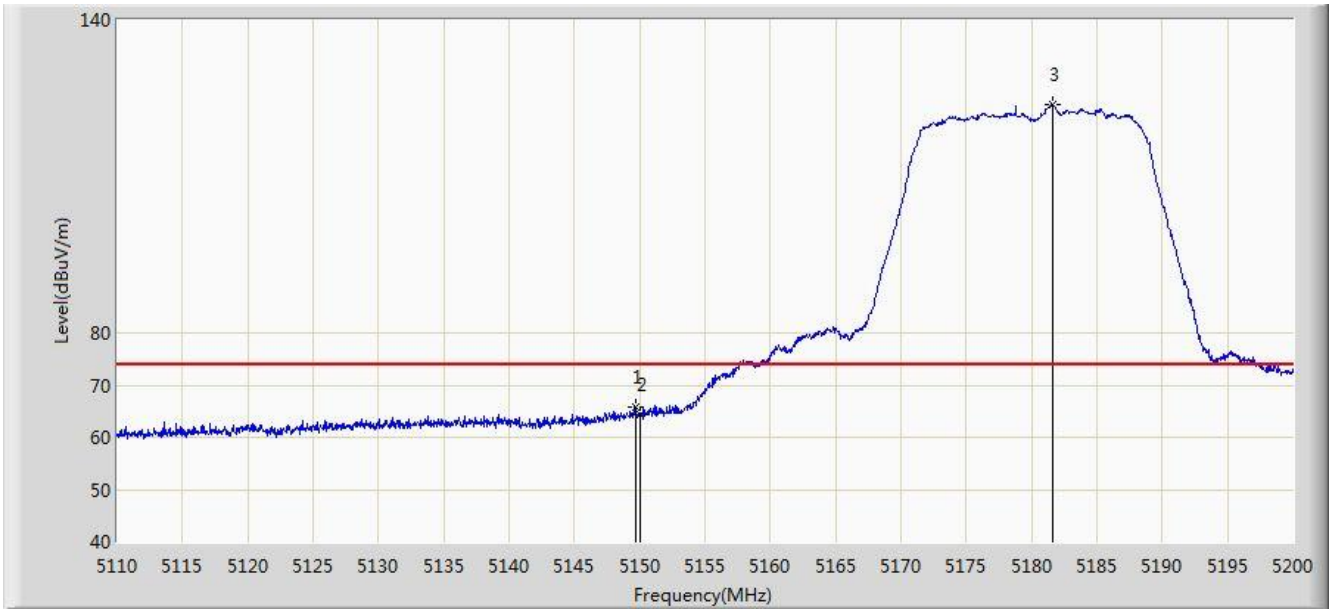


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5803.575	129.323	124.659	N/A	N/A	4.664	PK
2			5850.000	89.371	84.376	-32.829	122.200	4.995	PK
3			5855.000	87.962	82.974	-22.838	110.800	4.987	PK
4			5875.000	83.237	78.230	-21.963	105.200	5.008	PK
5			5925.000	66.760	61.608	-7.240	74.000	5.152	PK

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

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

Site: AC2	Time: 2017/01/23 - 19:33
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz Ant 0+1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.690	65.786	62.716	-8.214	74.000	3.070	PK
2			5150.000	64.347	61.277	-9.653	74.000	3.069	PK
3		*	5181.595	123.799	120.750	N/A	N/A	3.050	PK

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

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

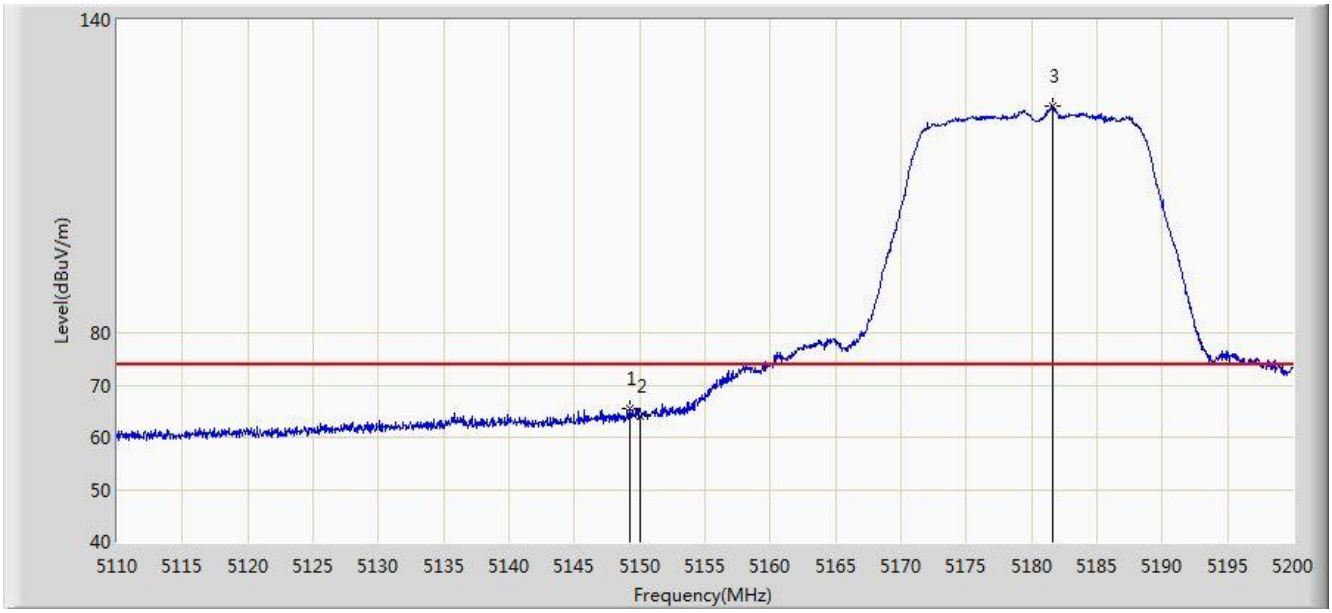
Site: AC2	Time: 2017/01/23 - 19:28
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz Ant 0+1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.354	48.284	-2.646	54.000	3.069	AV
2		*	5183.035	111.039	108.001	N/A	N/A	3.038	AV

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

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

Site: AC2	Time: 2017/01/23 - 19:34
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz Ant 0+1	

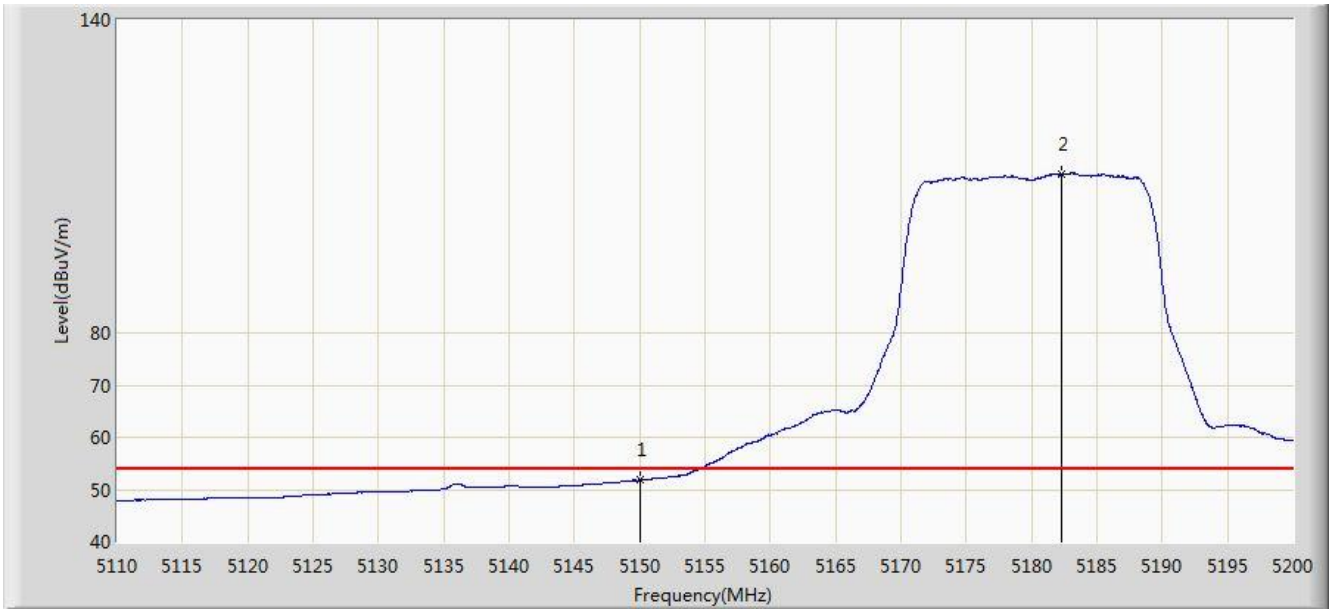


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.195	65.481	62.410	-8.519	74.000	3.072	PK
2			5150.000	63.998	60.928	-10.002	74.000	3.069	PK
3		*	5181.640	123.414	120.365	N/A	N/A	3.049	PK

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

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

Site: AC2	Time: 2017/01/23 - 19:35
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz Ant 0+1	

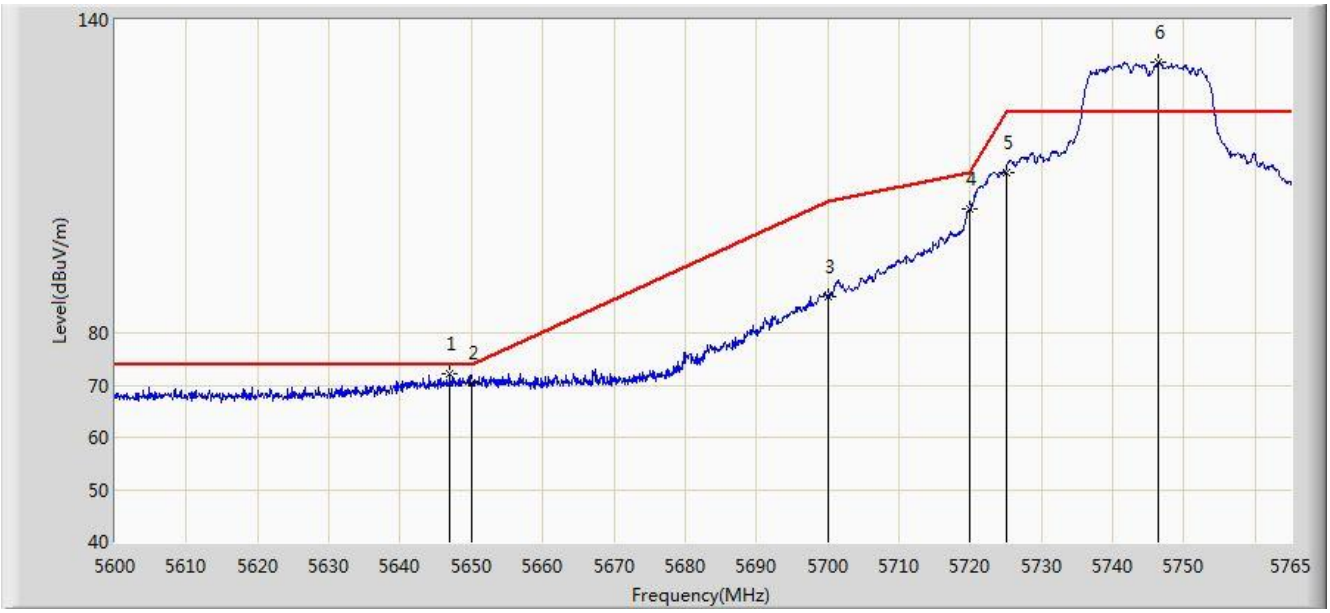


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.832	48.762	-2.168	54.000	3.069	AV
2		*	5182.315	110.428	107.381	N/A	N/A	3.047	AV

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

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

Site: AC2	Time: 2017/01/23 - 20:40
Limit: FCC_Part15.407_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5745MHz Ant 0+1	

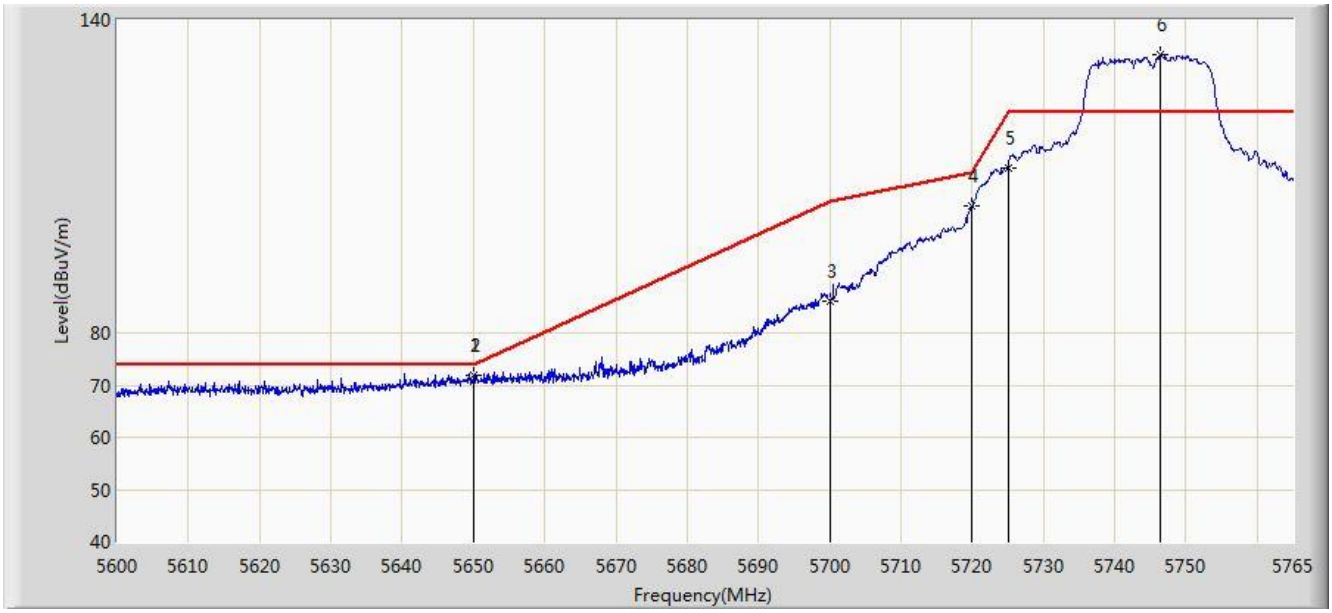


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5647.025	72.172	68.301	-1.828	74.000	3.871	PK
2			5650.000	70.503	66.700	-3.497	74.000	3.803	PK
3			5700.000	87.041	83.101	-18.159	105.200	3.940	PK
4			5720.000	103.731	99.749	-7.069	110.800	3.982	PK
5			5725.000	110.768	106.662	-11.432	122.200	4.105	PK
6		*	5746.437	131.883	127.615	N/A	N/A	4.268	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: AC2	Time: 2017/01/23 - 20:38
Limit: FCC_Part15.407_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5745MHz Ant 0+1	

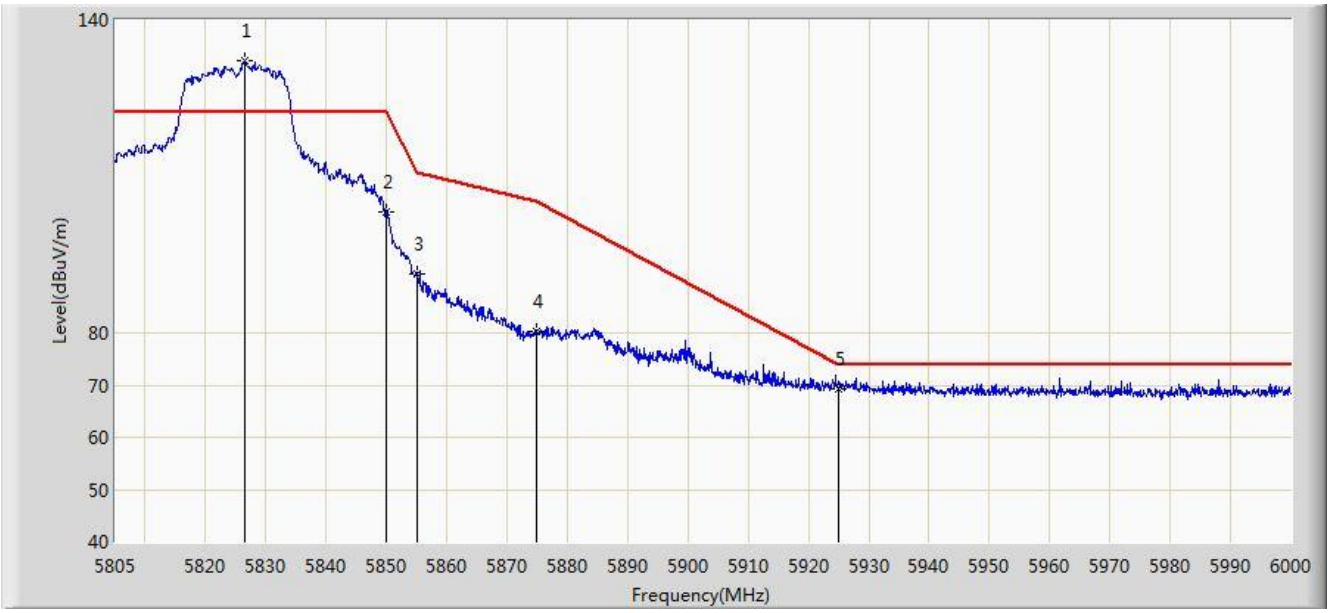


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5649.995	71.994	68.191	-2.006	74.000	3.803	PK
2			5650.000	71.920	68.117	-2.080	74.000	3.803	PK
3			5700.000	86.216	82.276	-18.984	105.200	3.940	PK
4			5720.000	104.206	100.224	-6.594	110.800	3.982	PK
5			5725.000	111.500	107.394	-10.700	122.200	4.105	PK
6		*	5746.437	133.357	129.089	N/A	N/A	4.268	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: AC2	Time: 2017/01/23 - 20:45
Limit: FCC_Part15.407_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5825MHz Ant 0+1	

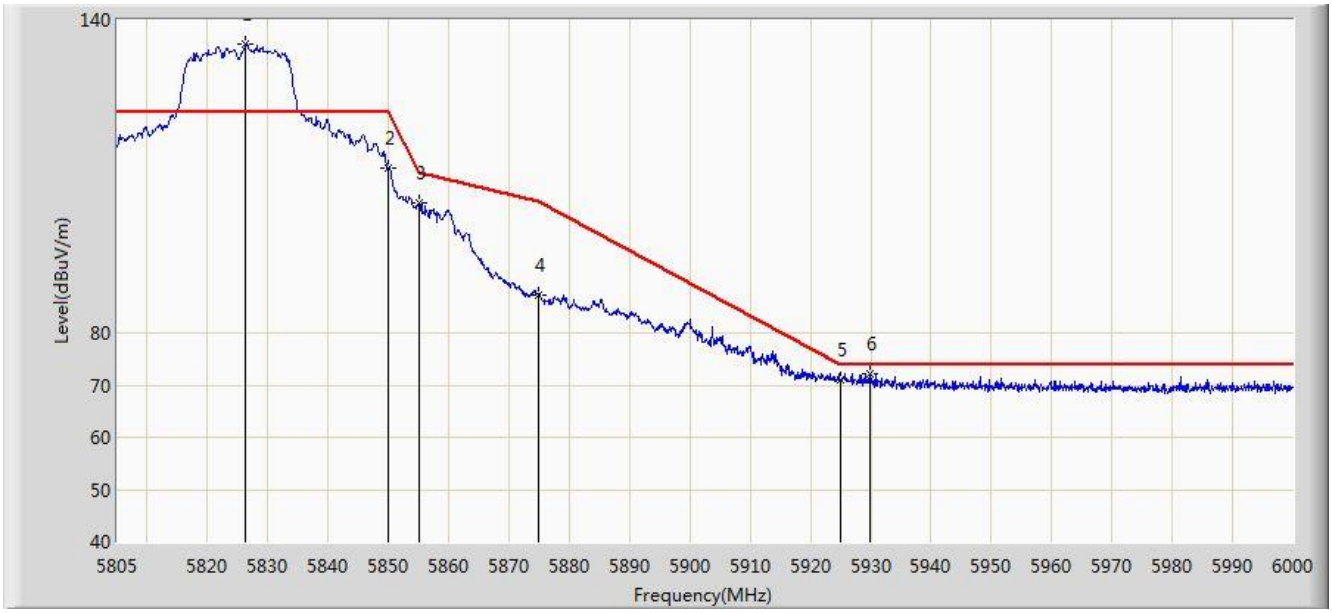


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5826.450	132.040	127.280	N/A	N/A	4.760	PK
2			5850.000	103.236	98.241	-18.964	122.200	4.995	PK
3			5855.000	91.265	86.277	-19.535	110.800	4.987	PK
4			5875.000	80.416	75.409	-24.784	105.200	5.008	PK
5			5925.000	69.252	64.100	-4.748	74.000	5.152	PK

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

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

Site: AC2	Time: 2017/01/23 - 20:44
Limit: FCC_Part15.407_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5825MHz Ant 0+1	

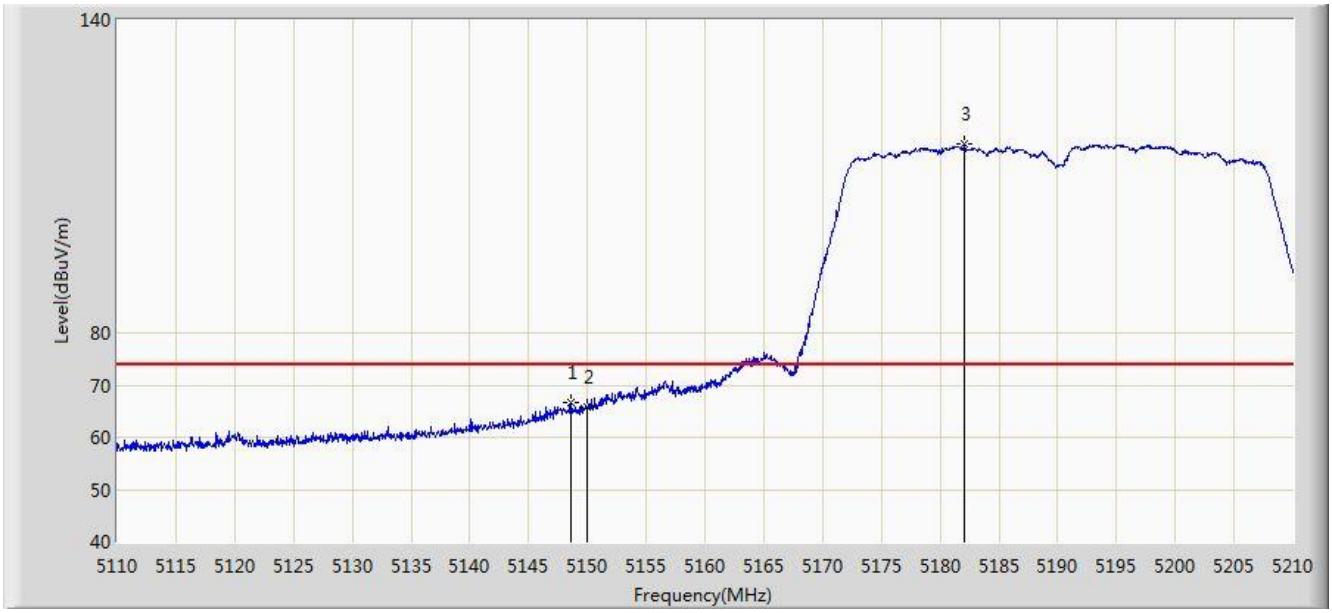


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5826.353	135.270	130.512	N/A	N/A	4.758	PK
2			5850.000	111.595	106.600	-10.605	122.200	4.995	PK
3			5855.000	104.816	99.828	-5.984	110.800	4.987	PK
4			5875.000	87.194	82.187	-18.006	105.200	5.008	PK
5			5925.000	70.998	65.846	-3.002	74.000	5.152	PK
6			5929.800	72.274	67.079	-1.726	74.000	5.195	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: AC2	Time: 2017/01/23 - 20:55
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz Ant 0+1	

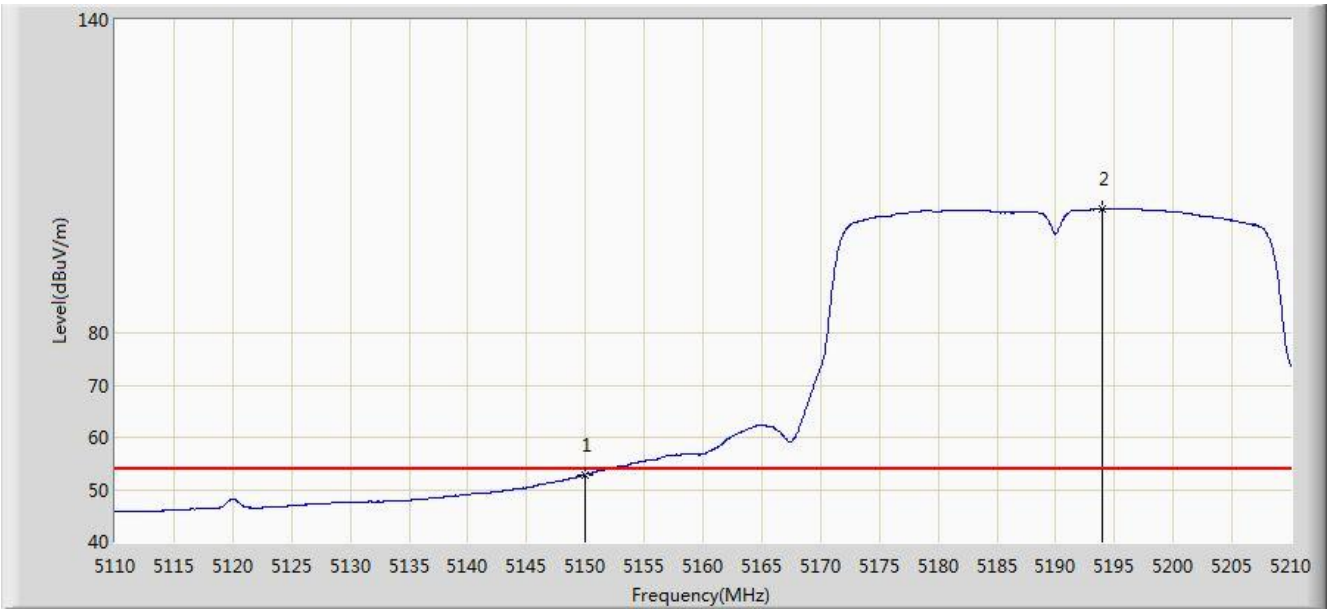


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.600	66.777	63.704	-7.223	74.000	3.073	PK
2			5150.000	65.846	62.776	-8.154	74.000	3.069	PK
3		*	5182.100	116.330	113.280	N/A	N/A	3.049	PK

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

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

Site: AC2	Time: 2017/01/23 - 20:53
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz Ant 0+1	

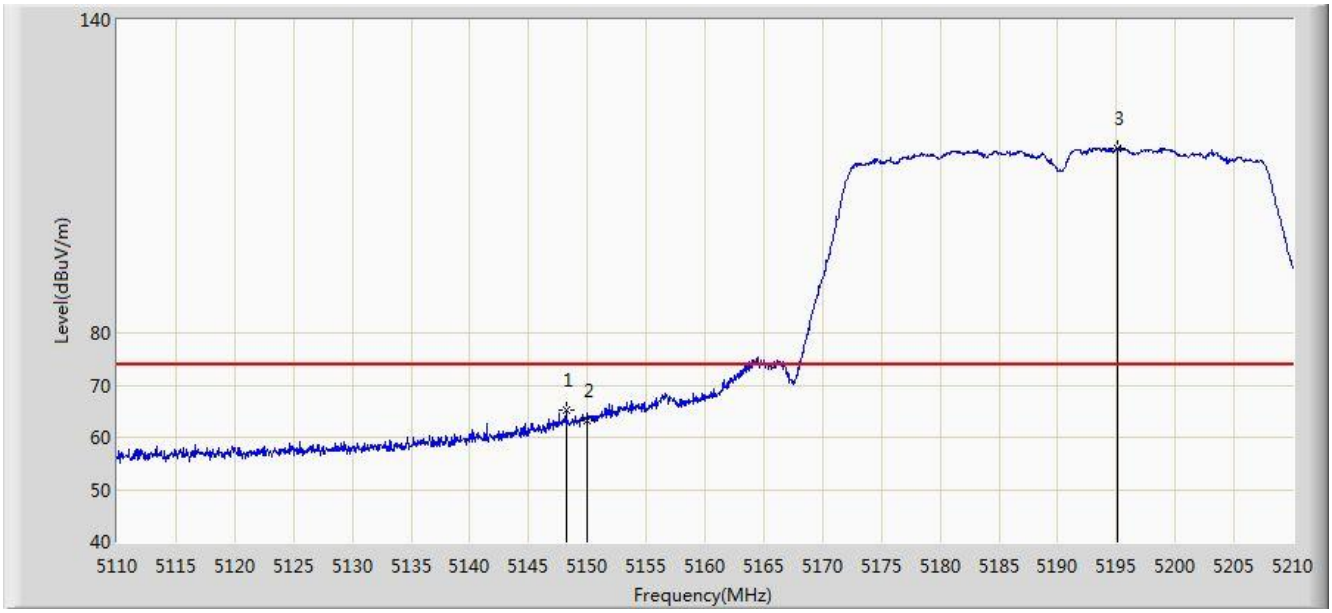


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	52.860	49.790	-1.140	54.000	3.069	AV
2		*	5193.950	103.837	100.944	N/A	N/A	2.893	AV

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

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

Site: AC2	Time: 2017/01/23 - 20:56
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz Ant 0+1	

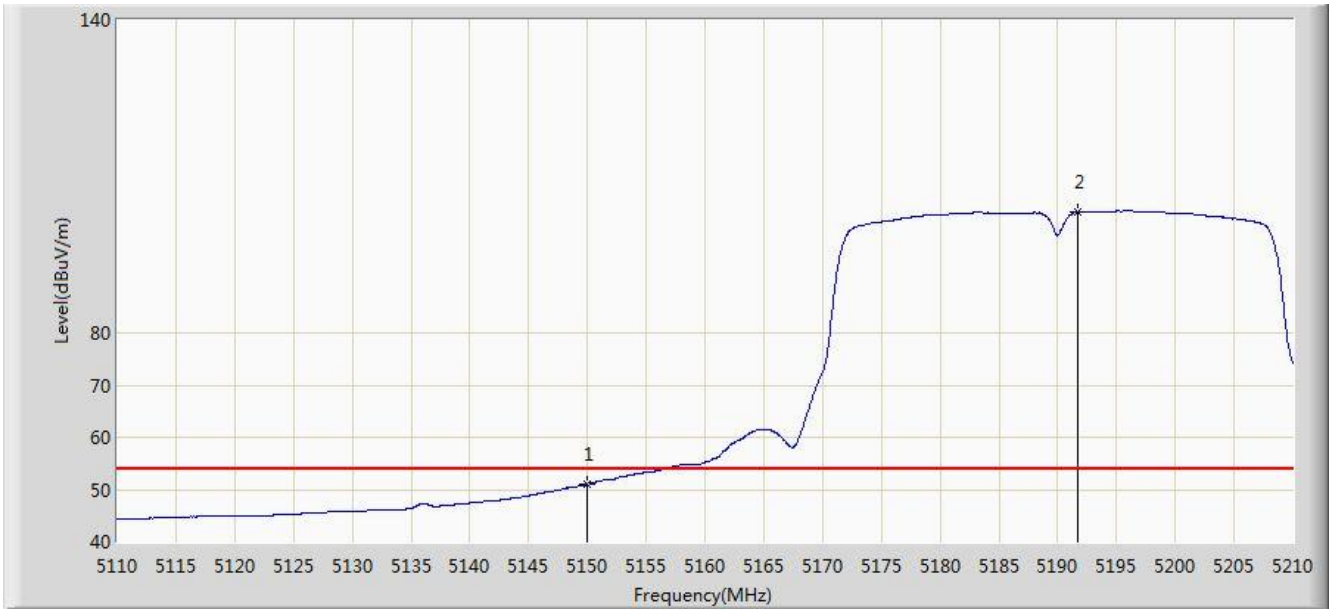


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.200	65.226	62.152	-8.774	74.000	3.073	PK
2			5150.000	63.327	60.257	-10.673	74.000	3.069	PK
3		*	5195.150	115.417	112.542	N/A	N/A	2.874	PK

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

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

Site: AC2	Time: 2017/01/23 - 20:56
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz Ant 0+1	

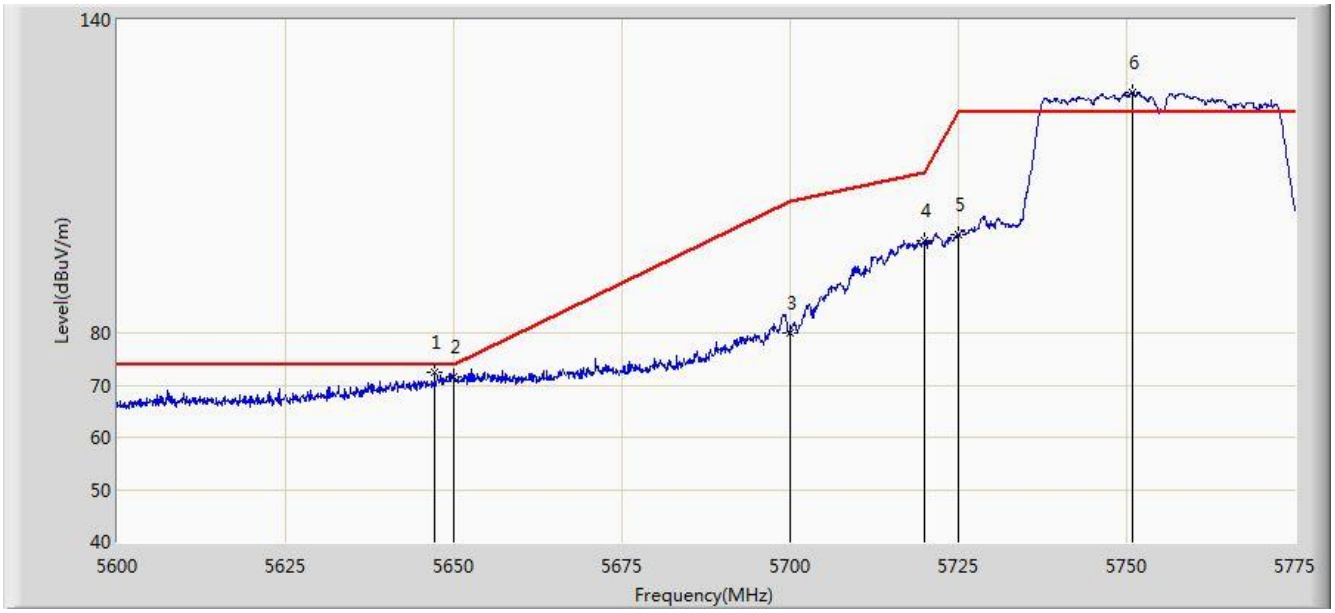


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.157	48.087	-2.843	54.000	3.069	AV
2		*	5191.750	103.216	100.291	N/A	N/A	2.925	AV

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

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

Site: AC2	Time: 2017/01/23 - 21:49
Limit: FCC_Part15.407_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5755MHz Ant 0+1	

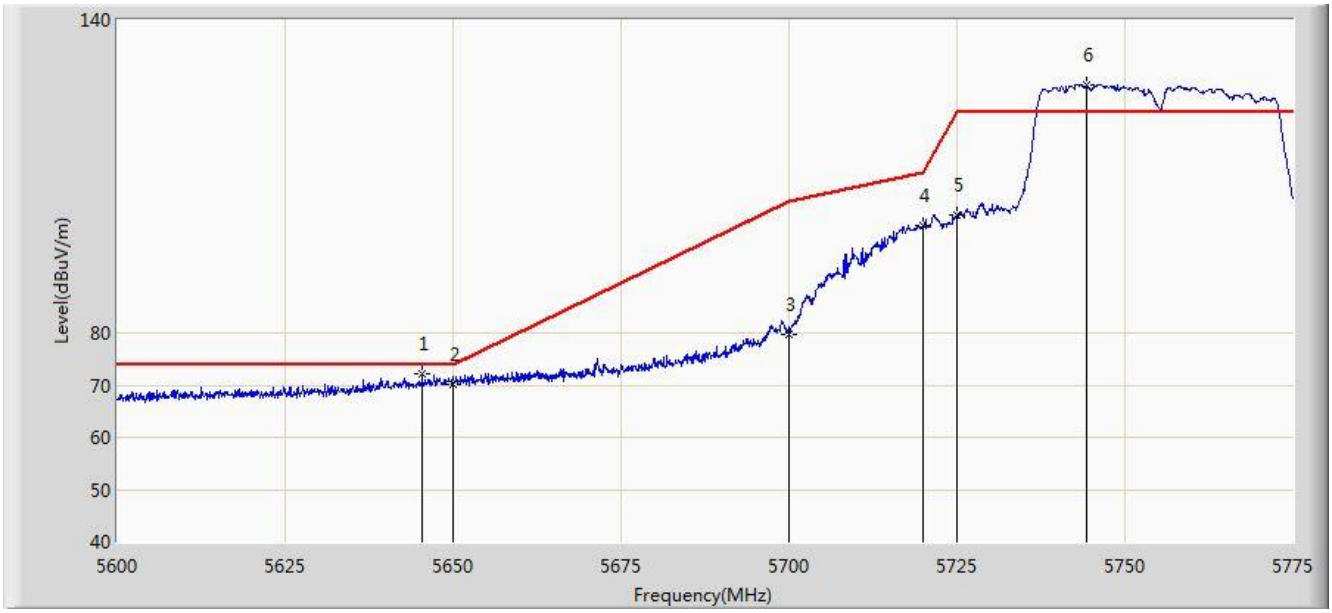


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5647.163	72.426	68.558	-1.574	74.000	3.868	PK
2			5650.000	71.589	67.786	-2.411	74.000	3.803	PK
3			5700.000	80.037	76.097	-25.163	105.200	3.940	PK
4			5720.000	97.648	93.666	-13.152	110.800	3.982	PK
5			5725.000	98.726	94.620	-23.474	122.200	4.105	PK
6		*	5750.850	126.183	121.902	N/A	N/A	4.281	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: AC2	Time: 2017/01/23 - 21:50
Limit: FCC_Part15.407_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5755MHz Ant 0+1	

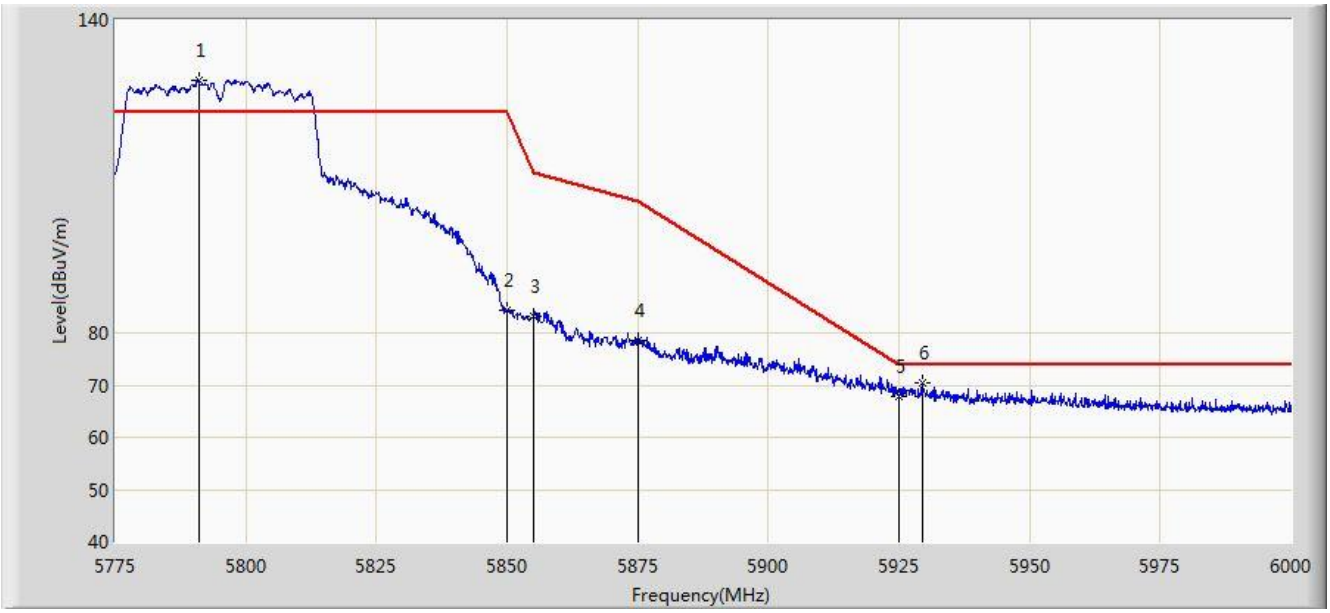


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5645.413	72.198	68.290	-1.802	74.000	3.909	PK
2			5650.000	70.197	66.394	-3.803	74.000	3.803	PK
3			5700.000	79.820	75.880	-25.380	105.200	3.940	PK
4			5720.000	100.444	96.462	-10.356	110.800	3.982	PK
5			5725.000	102.562	98.456	-19.638	122.200	4.105	PK
6		*	5744.288	127.655	123.385	N/A	N/A	4.270	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: AC2	Time: 2017/01/23 - 21:55
Limit: FCC_Part15.407_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5795MHz Ant 0+1	

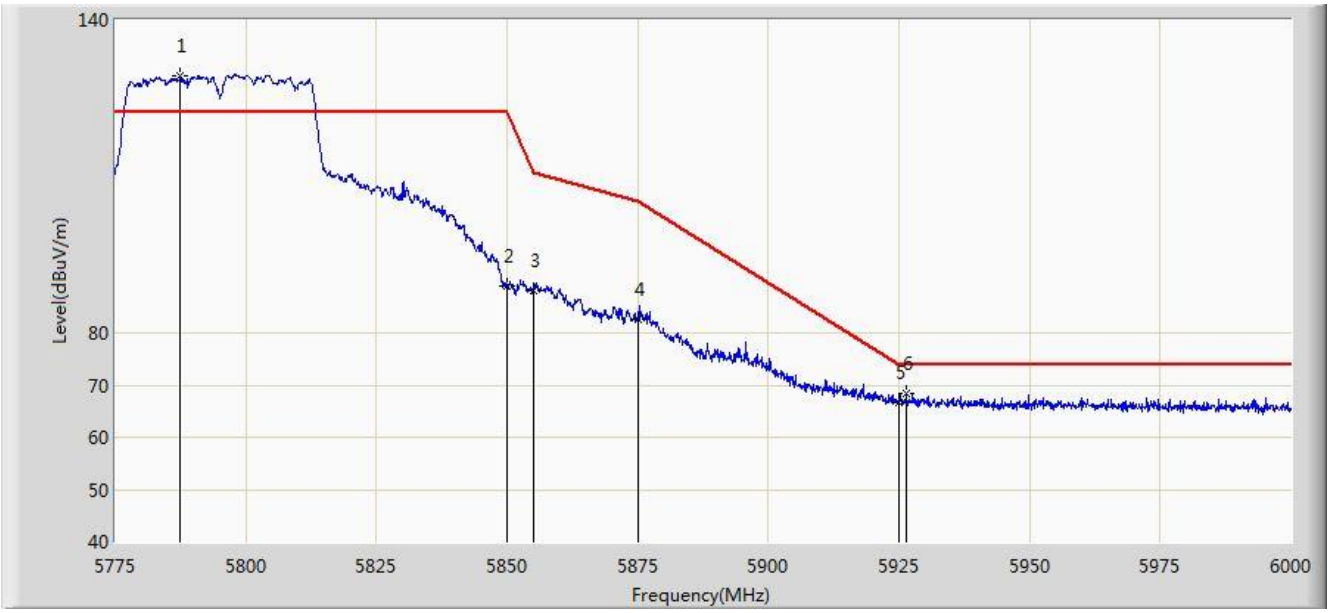


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5791.087	128.368	123.811	N/A	N/A	4.556	PK
2			5850.000	84.225	79.230	-37.975	122.200	4.995	PK
3			5855.000	83.213	78.225	-27.587	110.800	4.987	PK
4			5875.000	78.419	73.412	-26.781	105.200	5.008	PK
5			5925.000	67.924	62.772	-6.076	74.000	5.152	PK
6			5929.462	70.446	65.254	-3.554	74.000	5.192	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: AC2	Time: 2017/01/23 - 21:56
Limit: FCC_Part15.407_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5795MHz Ant 0+1	

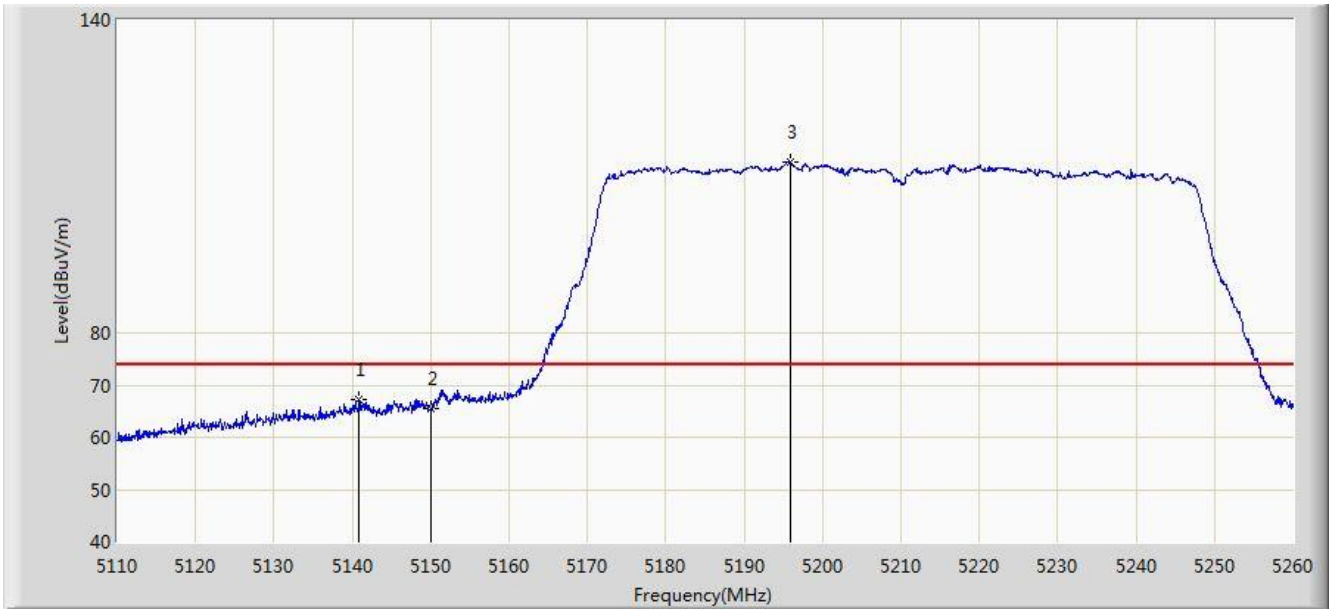


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5787.487	129.398	124.893	N/A	N/A	4.505	PK
2			5850.000	88.961	83.966	-33.239	122.200	4.995	PK
3			5855.000	88.106	83.118	-22.694	110.800	4.987	PK
4			5875.000	82.535	77.528	-22.665	105.200	5.008	PK
5			5925.000	66.808	61.656	-7.192	74.000	5.152	PK
6			5926.425	68.329	63.164	-5.671	74.000	5.165	PK

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

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

Site: AC2	Time: 2017/01/23 - 22:20
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz Ant 0+1	

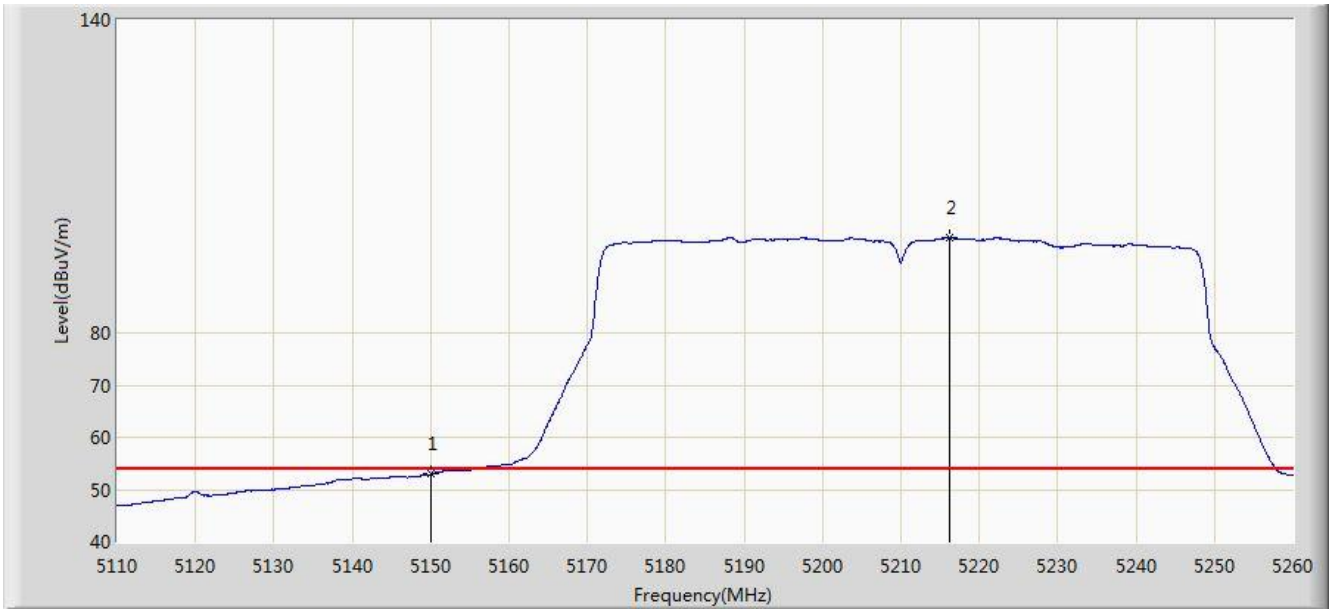


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5140.900	67.107	64.015	-6.893	74.000	3.092	PK
2			5150.000	65.532	62.462	-8.468	74.000	3.069	PK
3		*	5195.875	112.866	110.002	N/A	N/A	2.864	PK

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

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

Site: AC2	Time: 2017/01/23 - 22:20
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz Ant 0+1	

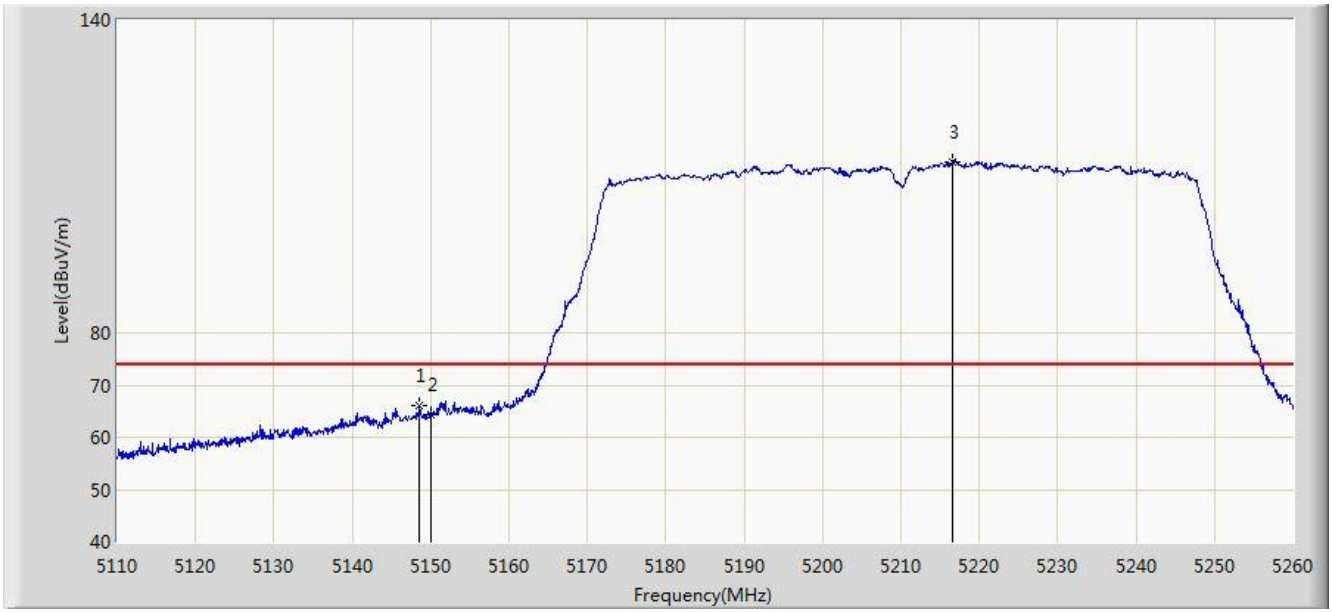


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	52.951	49.881	-1.049	54.000	3.069	AV
2		*	5216.125	98.235	95.431	N/A	N/A	2.804	AV

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

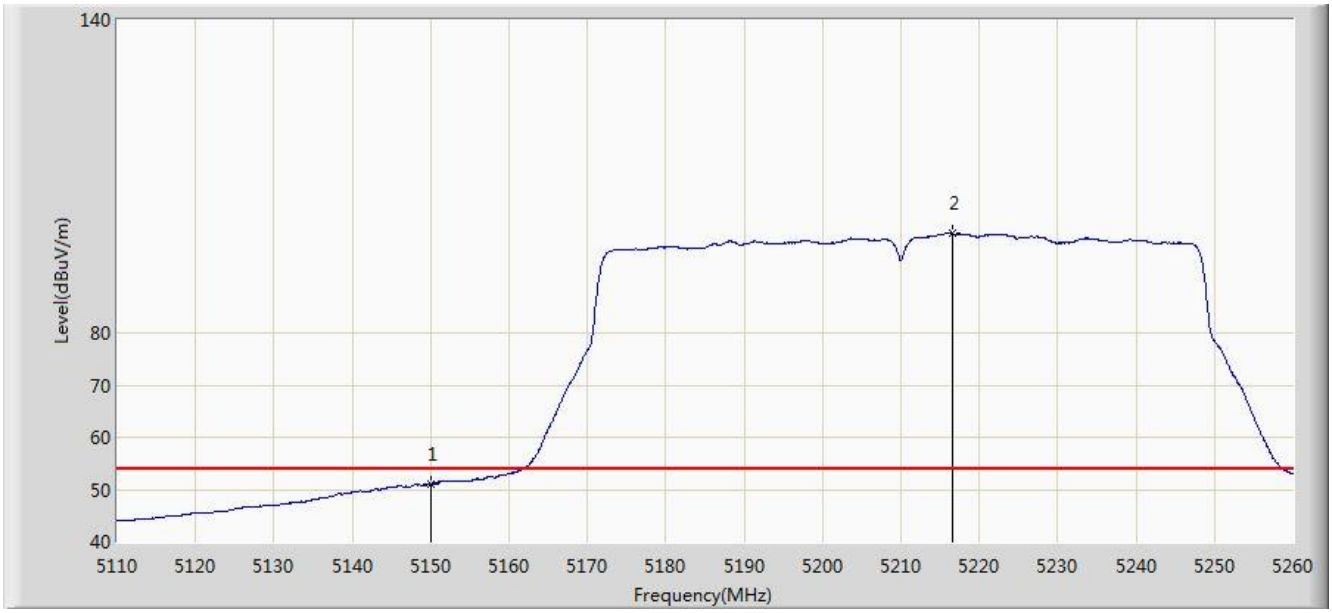
Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC2	Time: 2017/01/23 - 22:21
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz Ant 0+1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.625	66.205	63.132	-7.795	74.000	3.073	PK
2			5150.000	64.400	61.330	-9.600	74.000	3.069	PK
3		*	5216.500	112.864	110.060	N/A	N/A	2.804	PK

Site: AC2	Time: 2017/01/23 - 22:22
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz Ant 0+1	

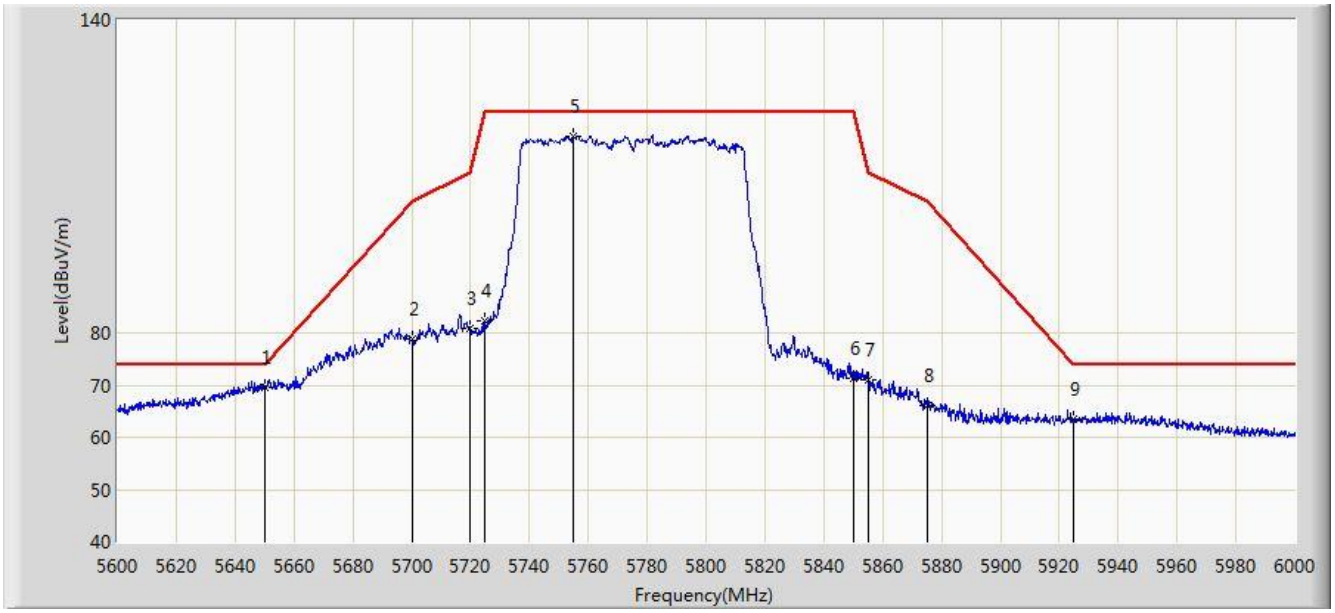


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.033	47.963	-2.967	54.000	3.069	AV
2		*	5216.500	99.170	96.366	N/A	N/A	2.804	AV

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

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

Site: AC2	Time: 2017/01/23 - 23:07
Limit: FCC_Part15.407_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5775MHz Ant 0+1	

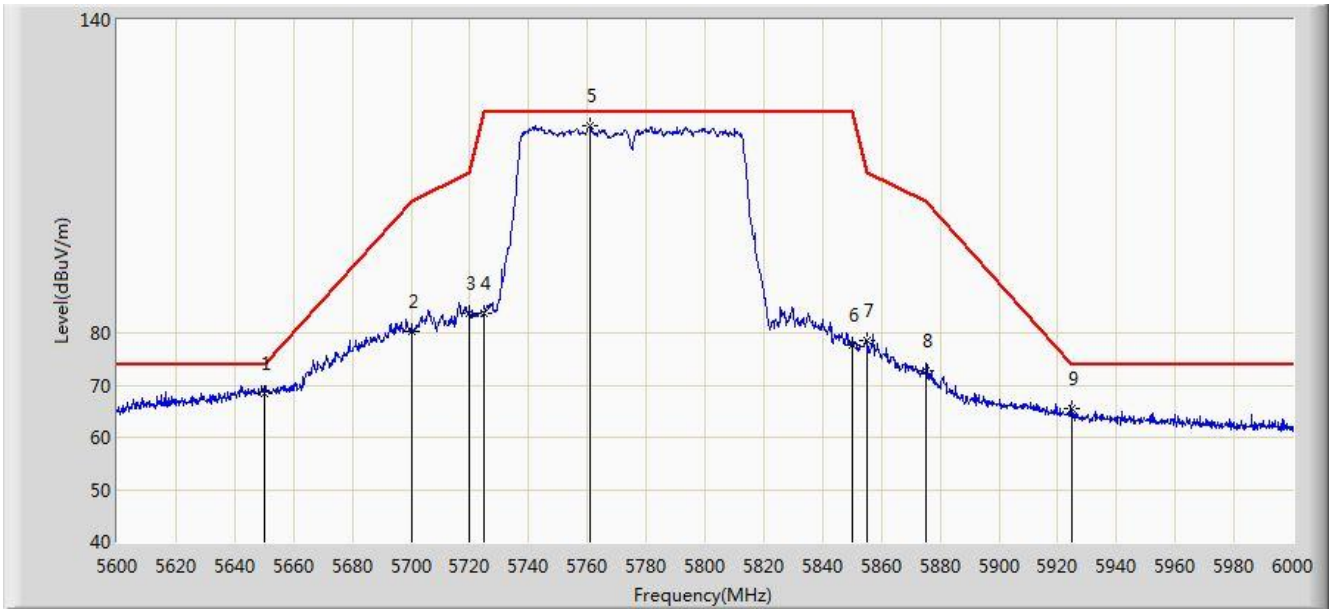


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5650.000	69.535	65.732	-4.465	74.000	3.803	PK
2			5700.000	78.784	74.844	-26.416	105.200	3.940	PK
3			5720.000	80.899	76.917	-29.901	110.800	3.982	PK
4			5725.000	82.330	78.224	-39.870	122.200	4.105	PK
5			5755.000	117.545	113.191	N/A	N/A	4.354	PK
6			5850.000	71.234	66.239	-50.966	122.200	4.995	PK
7			5855.000	70.940	65.952	-39.860	110.800	4.987	PK
8			5875.000	66.180	61.173	-39.020	105.200	5.008	PK
9			5925.000	63.494	58.342	-10.506	74.000	5.152	PK

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

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

Site: AC2	Time: 2017/01/23 - 23:10
Limit: FCC_Part15.407_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5775MHz Ant 0+1	

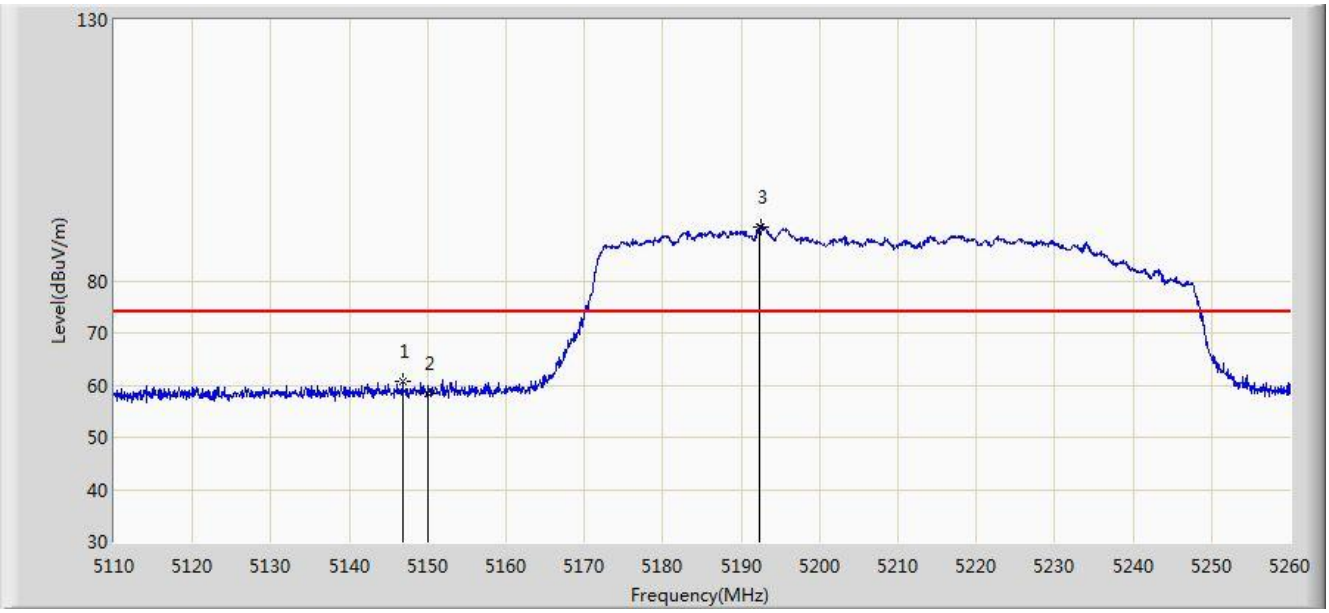


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5650.000	68.512	64.709	-5.488	74.000	3.803	PK
2			5700.000	80.209	76.269	-24.991	105.200	3.940	PK
3			5720.000	83.881	79.899	-26.919	110.800	3.982	PK
4			5725.000	83.712	79.606	-38.488	122.200	4.105	PK
5		*	5760.800	119.688	115.248	N/A	N/A	4.440	PK
6			5850.000	77.539	72.544	-44.661	122.200	4.995	PK
7			5855.000	78.654	73.666	-32.146	110.800	4.987	PK
8			5875.000	72.632	67.625	-32.568	105.200	5.008	PK
9			5925.000	65.542	60.390	-8.458	74.000	5.152	PK

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

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

Site: AC2	Time: 2017/02/28 - 02:17
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5210MHz + 5775MHz Ant 0 + 1	

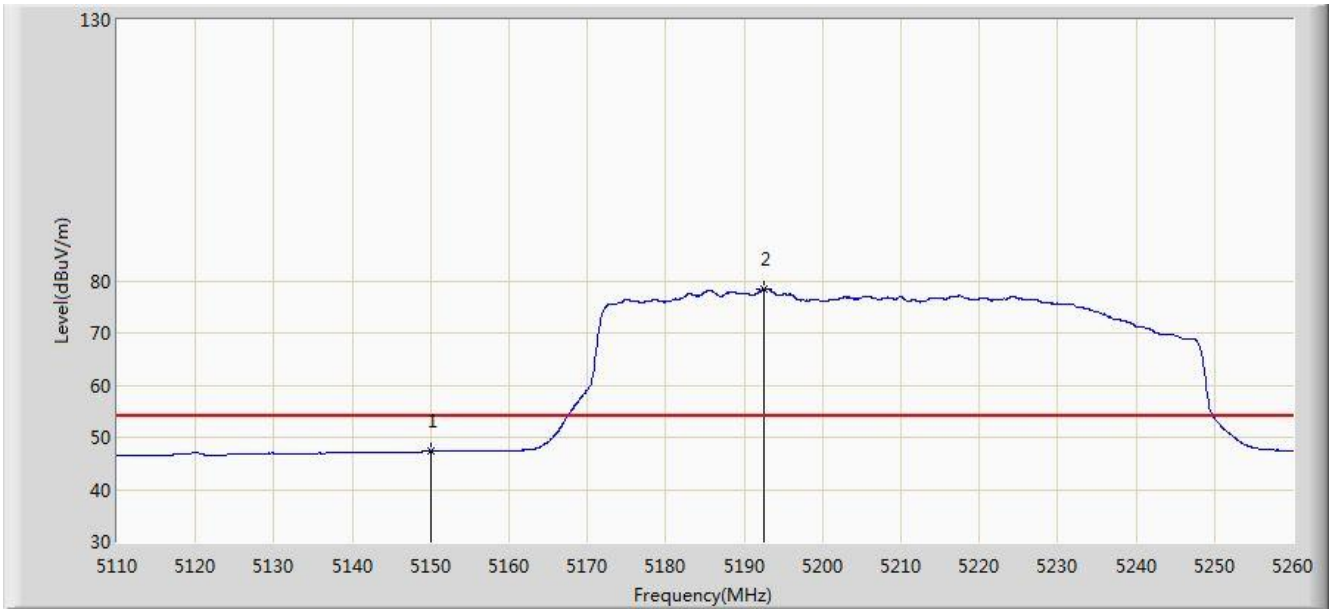


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5146.750	60.729	57.652	-13.271	74.000	3.078	PK
2			5150.000	58.534	55.464	-15.466	74.000	3.069	PK
3		*	5192.425	90.180	87.265	N/A	N/A	2.915	PK

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

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

Site: AC2	Time: 2017/02/28 - 02:17
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5210MHz + 5775MHz Ant 0 + 1	

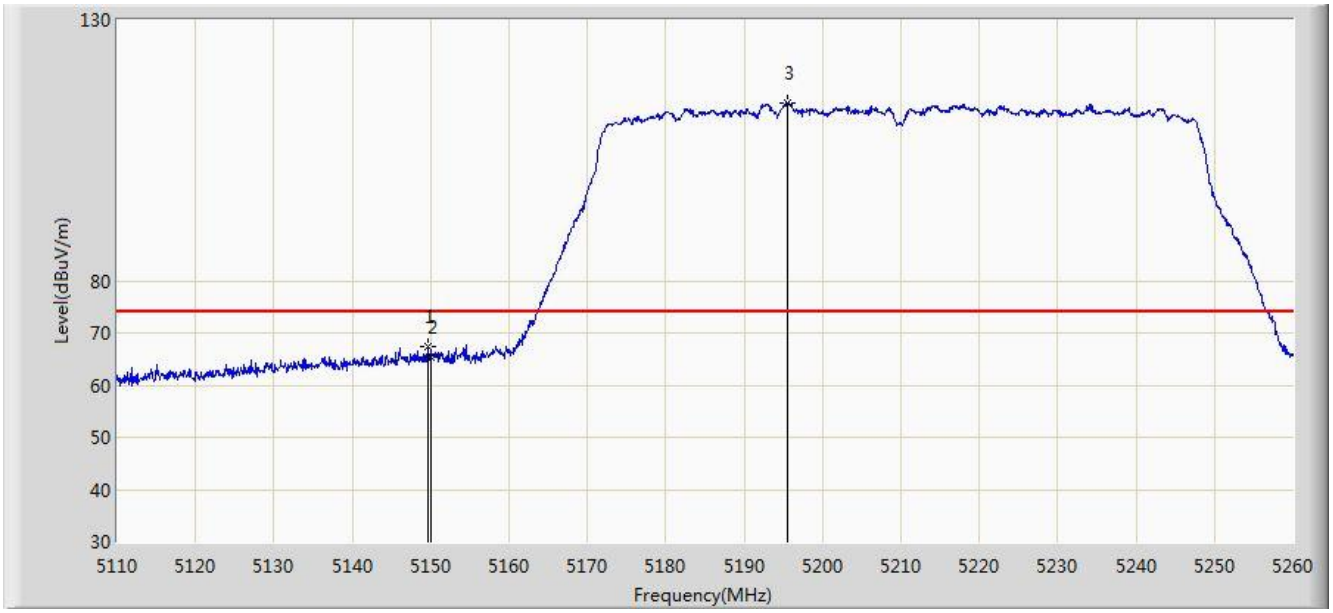


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	47.330	44.260	-6.670	54.000	3.069	AV
2		*	5192.500	78.507	75.593	N/A	N/A	2.915	AV

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

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

Site: AC2	Time: 2017/02/28 - 02:16
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5210MHz + 5775MHz Ant 0 + 1	

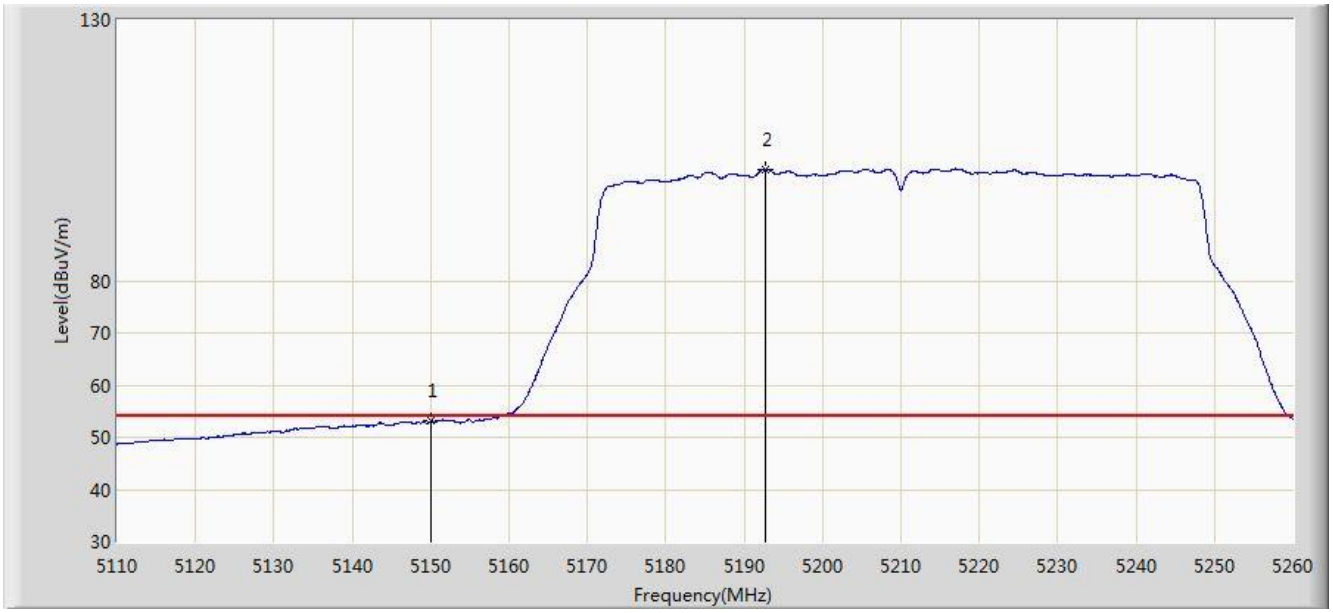


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.750	67.444	64.374	-6.556	74.000	3.070	PK
2			5150.000	65.333	62.263	-8.667	74.000	3.069	PK
3		*	5195.575	114.008	111.140	N/A	N/A	2.868	PK

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

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

Site: AC2	Time: 2017/02/28 - 02:15
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5210MHz + 5775MHz Ant 0 + 1	

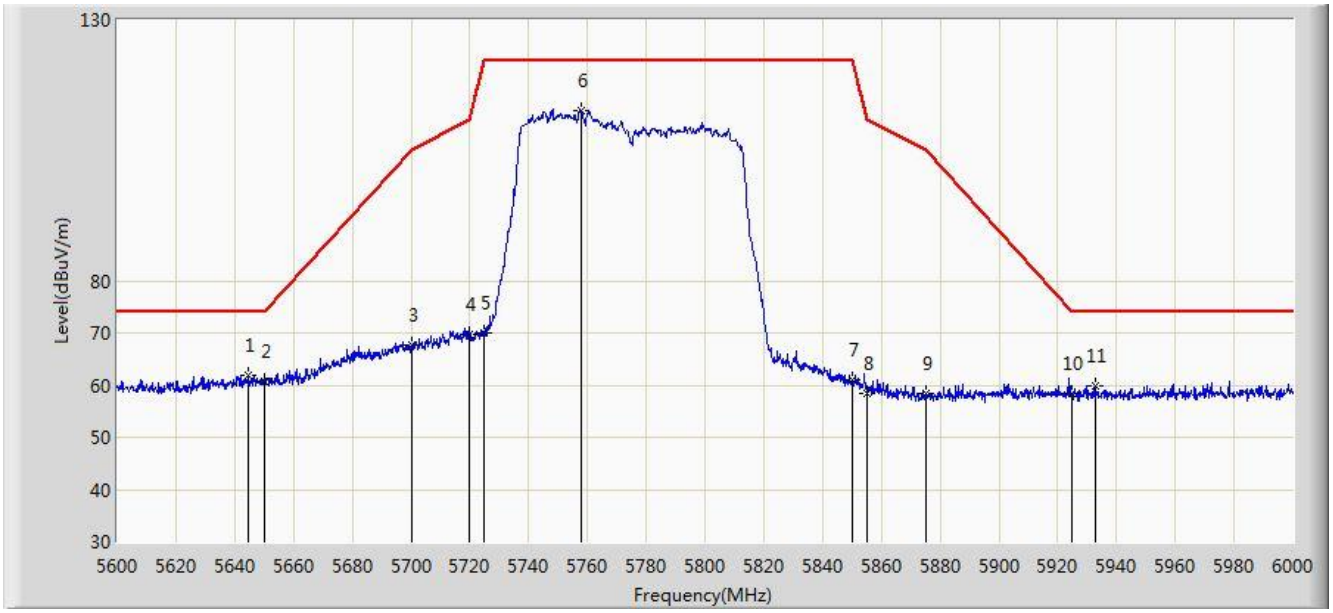


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.073	50.003	-0.927	54.000	3.069	AV
2		*	5192.725	101.420	98.509	N/A	N/A	2.911	AV

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

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

Site: AC2	Time: 2017/02/28 - 02:18
Limit: FCC_Part15.407_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5210MHz + 5775MHz Ant 0 + 1	

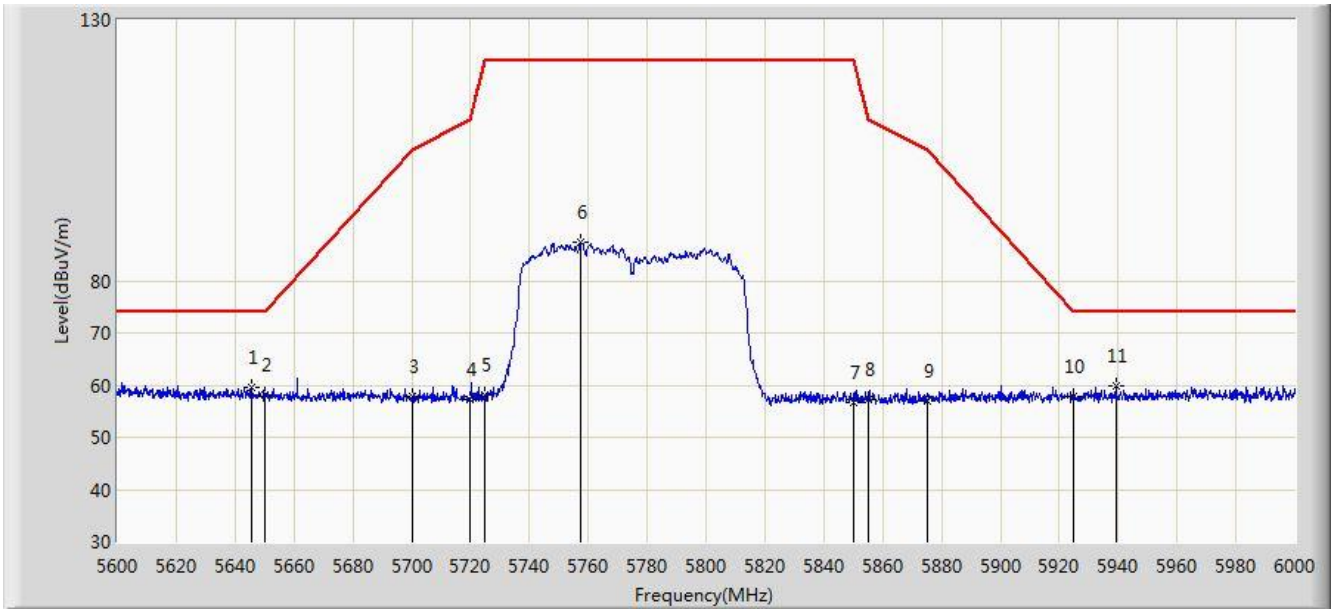


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5644.400	62.001	58.094	-11.999	74.000	3.908	PK
2			5650.000	60.731	56.928	-13.269	74.000	3.803	PK
3			5700.000	67.588	63.648	-37.612	105.200	3.940	PK
4			5720.000	69.823	65.841	-40.977	110.800	3.982	PK
5			5725.000	69.860	65.754	-52.340	122.200	4.105	PK
6		*	5757.800	112.558	108.156	N/A	N/A	4.401	PK
7			5850.000	61.124	56.129	-61.076	122.200	4.995	PK
8			5855.000	58.444	53.456	-52.356	110.800	4.987	PK
9			5875.000	58.391	53.384	-46.809	105.200	5.008	PK
10			5925.000	58.278	53.126	-15.722	74.000	5.152	PK
11			5932.600	59.757	54.567	-14.243	74.000	5.189	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: AC2	Time: 2017/02/28 - 02:19
Limit: FCC_Part15.407_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5210MHz + 5775MHz Ant 0 + 1	



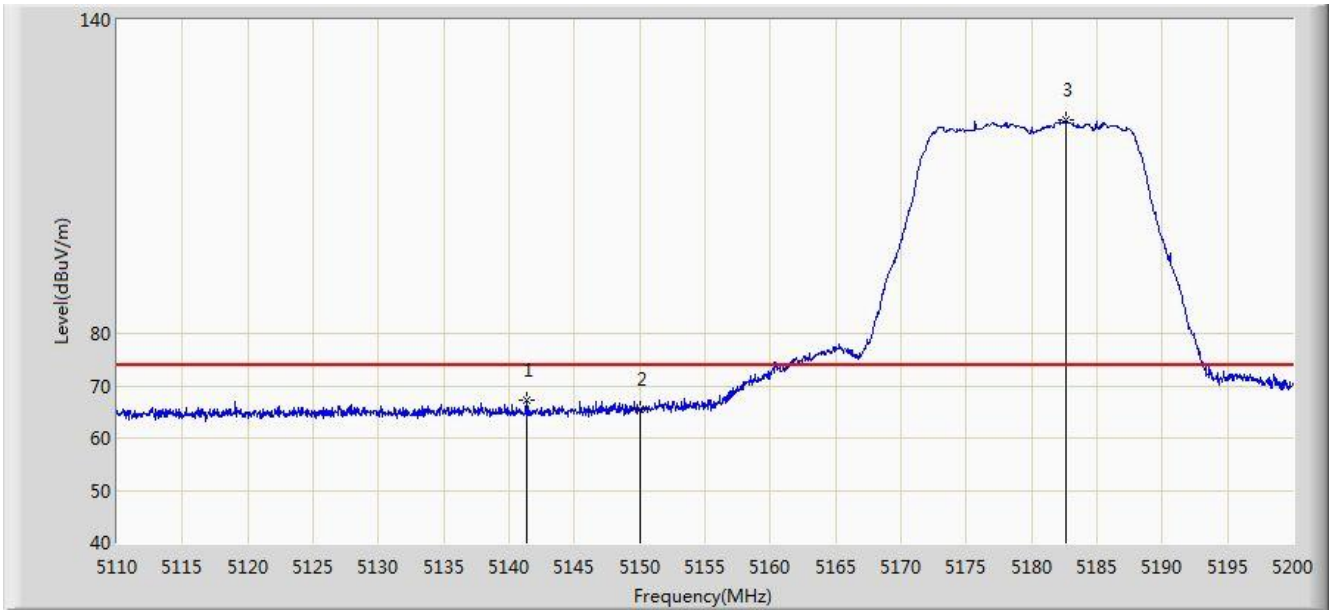
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5645.600	59.681	55.777	-14.319	74.000	3.904	PK
2			5650.000	58.093	54.290	-15.907	74.000	3.803	PK
3			5700.000	57.729	53.789	-47.471	105.200	3.940	PK
4			5720.000	57.381	53.399	-53.419	110.800	3.982	PK
5			5725.000	58.182	54.076	-64.018	122.200	4.105	PK
6			5757.200	87.315	82.923	N/A	N/A	4.391	PK
7			5850.000	56.787	51.792	-65.413	122.200	4.995	PK
8			5855.000	57.269	52.281	-53.531	110.800	4.987	PK
9			5875.000	56.890	51.883	-48.310	105.200	5.008	PK
10			5925.000	57.773	52.621	-16.227	74.000	5.152	PK
11		*	5939.200	59.784	54.610	-14.216	74.000	5.174	PK

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

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

Radio B Radiated Restricted Band Edge Measurement

Site: AC2	Time: 2016/02/06 - 16:41
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5180MHz Ant 0+1	

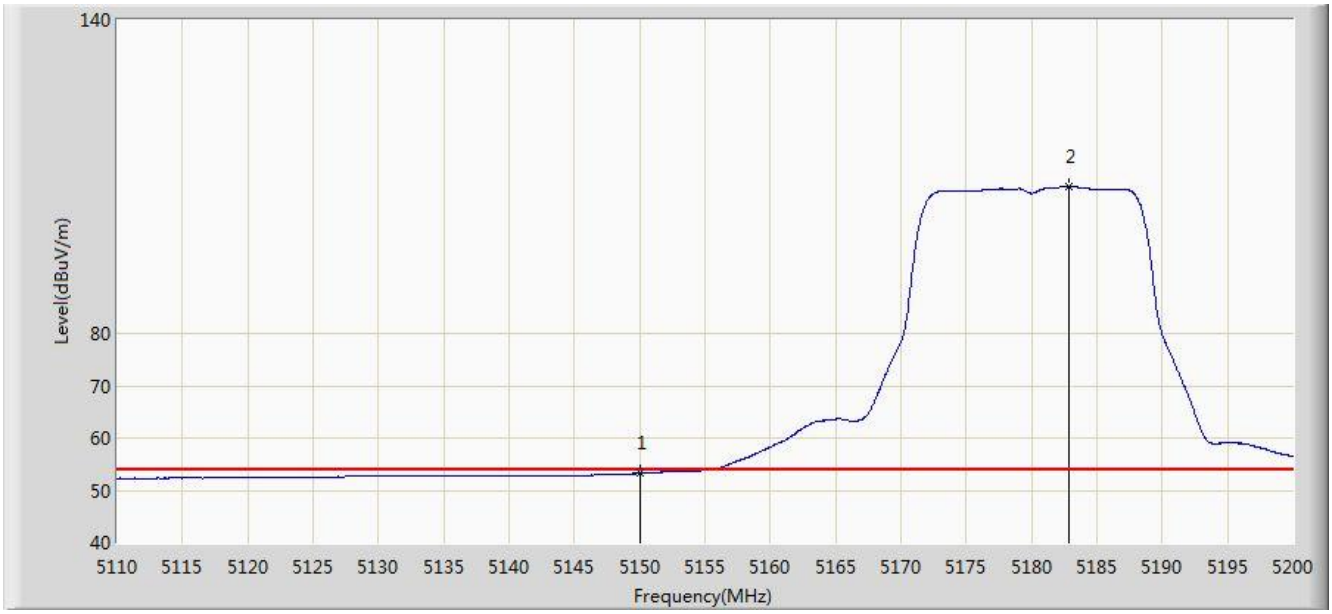


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5141.320	67.108	64.017	-6.892	74.000	3.091	PK
2			5150.000	65.532	62.462	-8.468	74.000	3.069	PK
3		*	5182.675	120.771	117.729	N/A	N/A	3.043	PK

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

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

Site: AC2	Time: 2016/02/06 - 16:41
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5180MHz Ant 0+1	

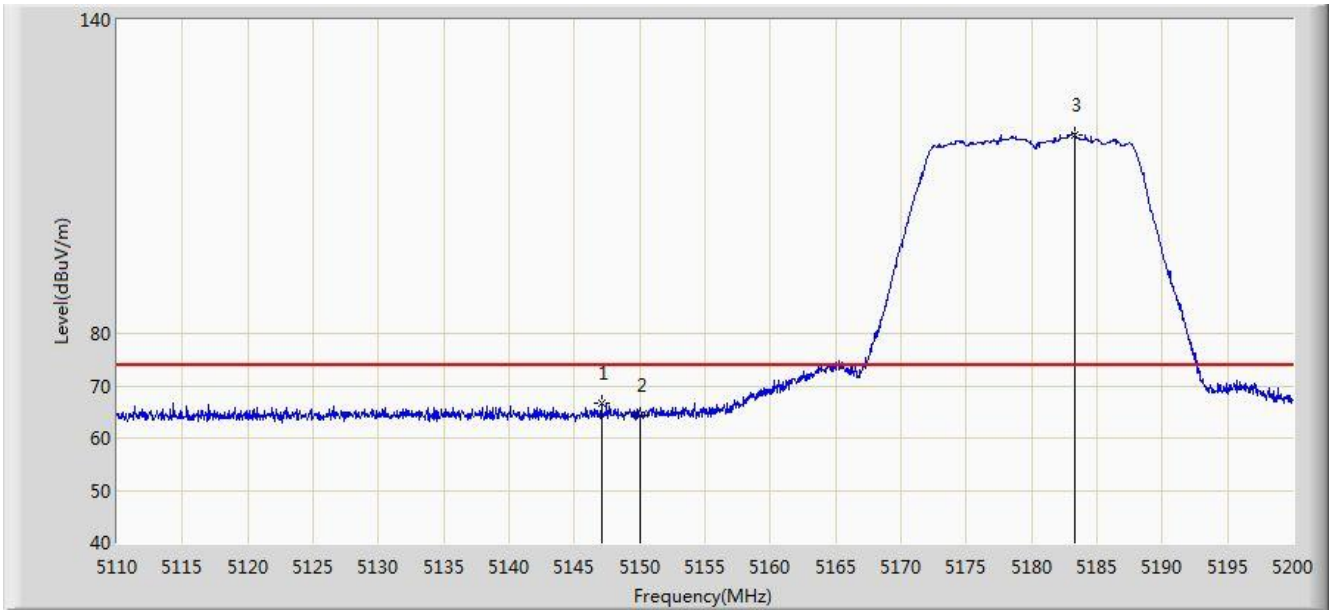


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.194	50.124	-0.806	54.000	3.069	AV
2		*	5182.855	108.171	105.131	N/A	N/A	3.040	AV

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

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

Site: AC2	Time: 2016/02/06 - 16:44
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5180MHz Ant 0+1	

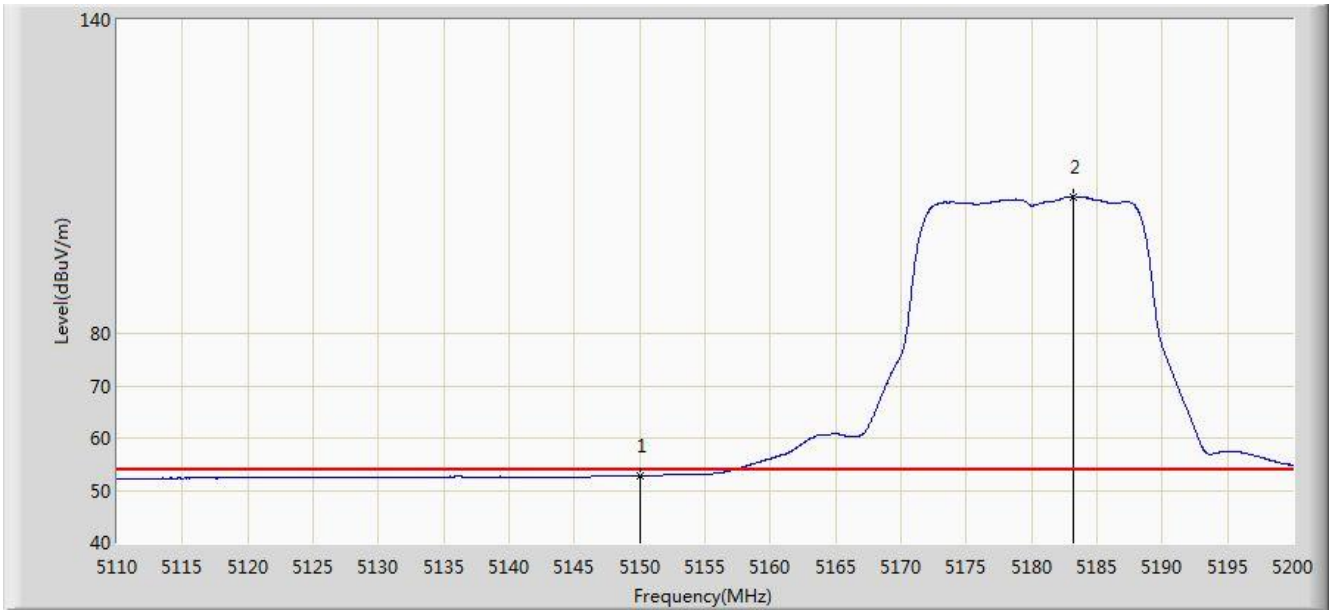


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5147.080	66.554	63.477	-7.446	74.000	3.076	PK
2			5150.000	64.418	61.348	-9.582	74.000	3.069	PK
3		*	5183.350	118.113	115.079	N/A	N/A	3.035	PK

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

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

Site: AC2	Time: 2016/02/06 - 16:44
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5180MHz Ant 0+1	

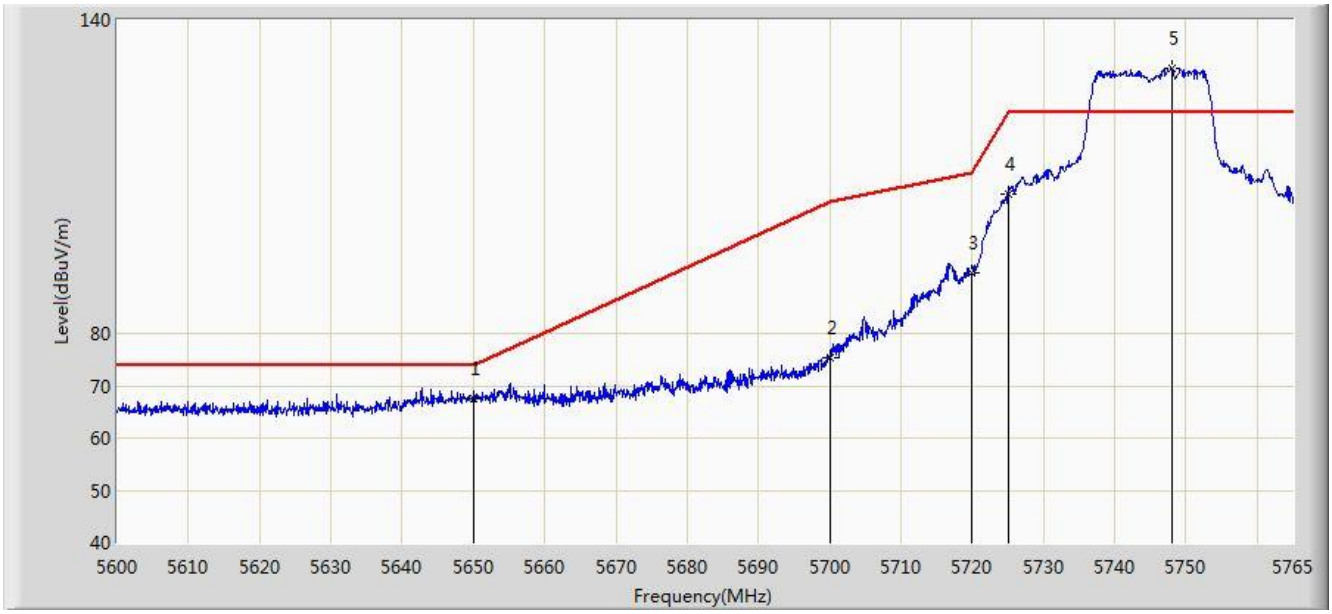


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	52.764	49.694	-1.236	54.000	3.069	AV
2		*	5183.170	106.230	103.194	N/A	N/A	3.036	AV

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

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

Site: AC2	Time: 2016/02/06 - 17:11
Limit: FCC_Part15.407_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5745MHz Ant 0+1	

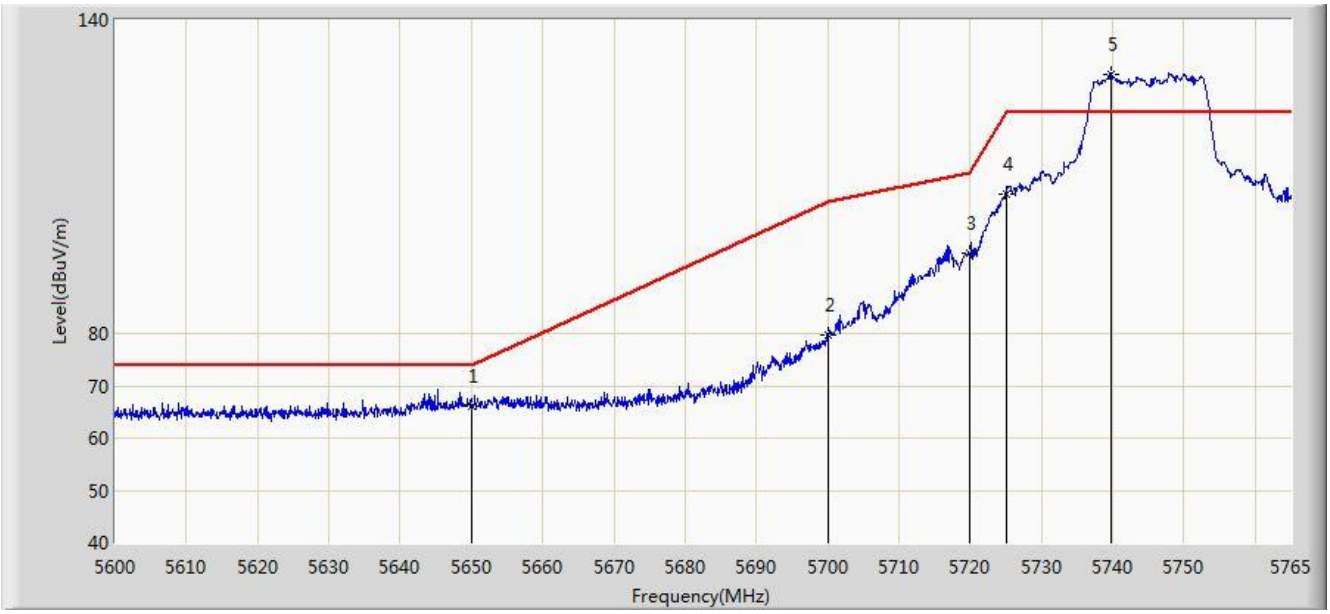


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5650.000	67.665	63.862	-6.335	74.000	3.803	PK
2			5700.000	75.323	71.383	-29.877	105.200	3.940	PK
3			5720.000	91.734	87.752	-19.066	110.800	3.982	PK
4			5725.000	106.727	102.621	-15.473	122.200	4.105	PK
5		*	5748.005	130.613	126.346	N/A	N/A	4.267	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: AC2	Time: 2016/02/06 - 17:13
Limit: FCC_Part15.407_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5745MHz Ant 0+1	

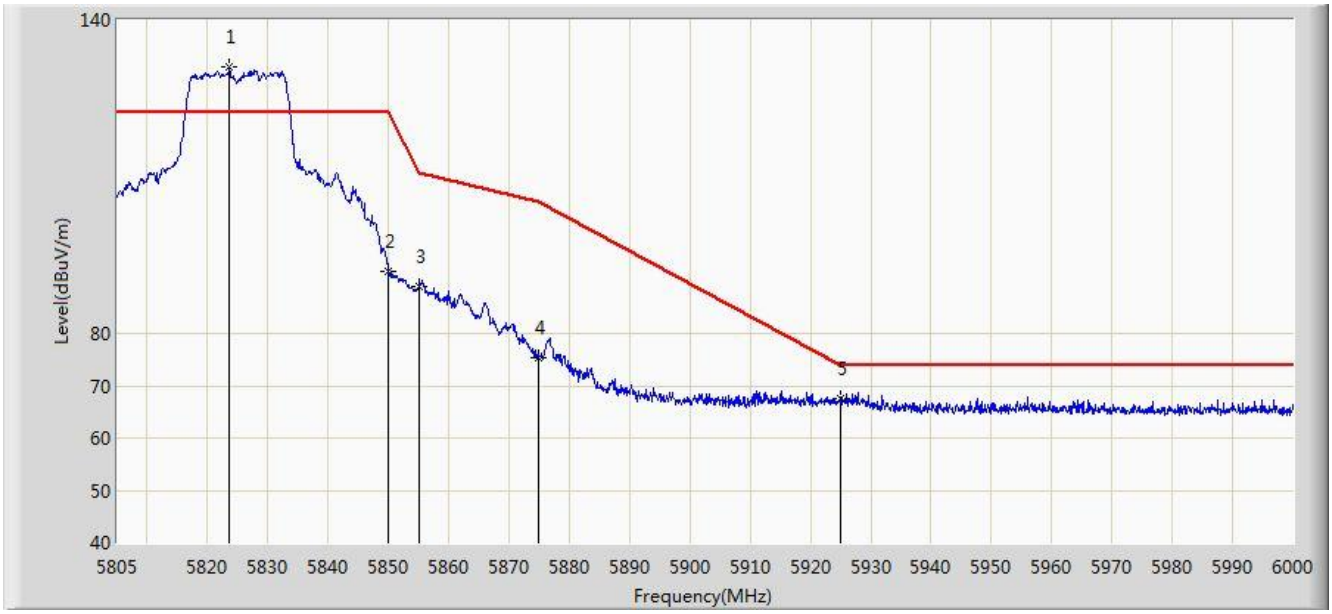


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5650.000	66.065	62.262	-7.935	74.000	3.803	PK
2			5700.000	79.725	75.785	-25.475	105.200	3.940	PK
3			5720.000	95.257	91.275	-15.543	110.800	3.982	PK
4			5725.000	106.676	102.570	-15.524	122.200	4.105	PK
5		*	5739.837	129.709	125.431	N/A	N/A	4.278	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: AC2	Time: 2016/02/06 - 17:15
Limit: FCC_Part15.407_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5825MHz Ant 0+1	

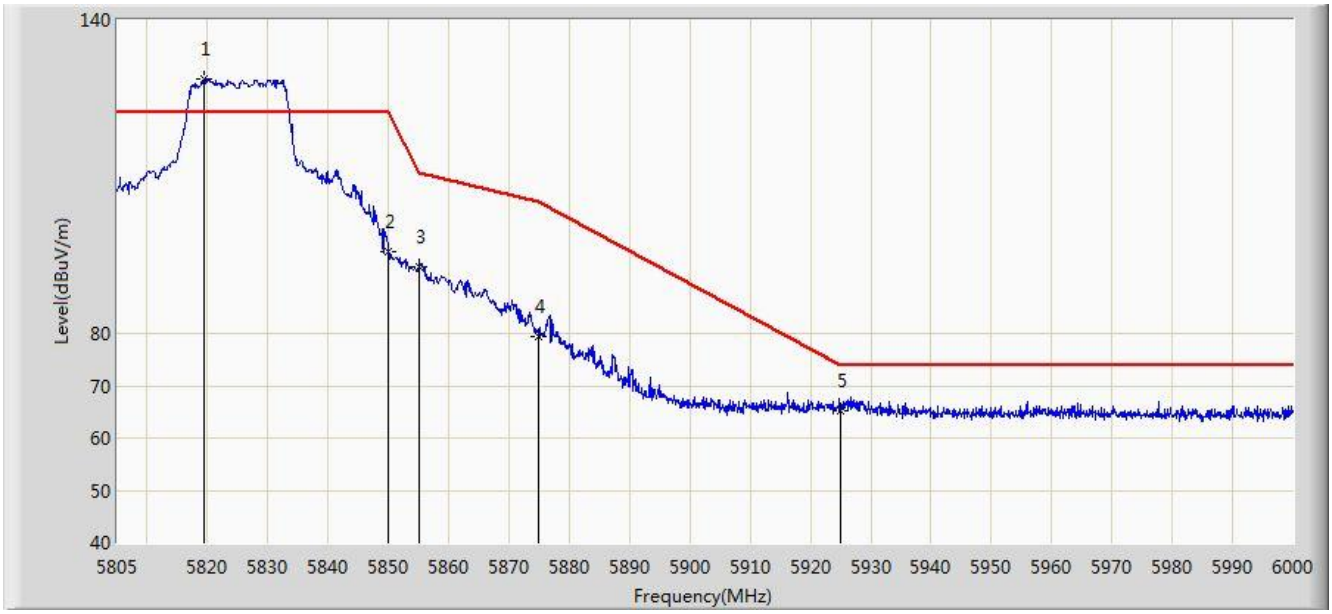


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5823.623	130.938	126.221	N/A	N/A	4.717	PK
2			5850.000	91.743	86.748	-30.457	122.200	4.995	PK
3			5855.000	88.931	83.943	-21.869	110.800	4.987	PK
4			5875.000	75.283	70.276	-29.917	105.200	5.008	PK
5			5925.000	67.575	62.423	-6.425	74.000	5.152	PK

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

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

Site: AC2	Time: 2016/02/06 - 17:15
Limit: FCC_Part15.407_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5825MHz Ant 0+1	

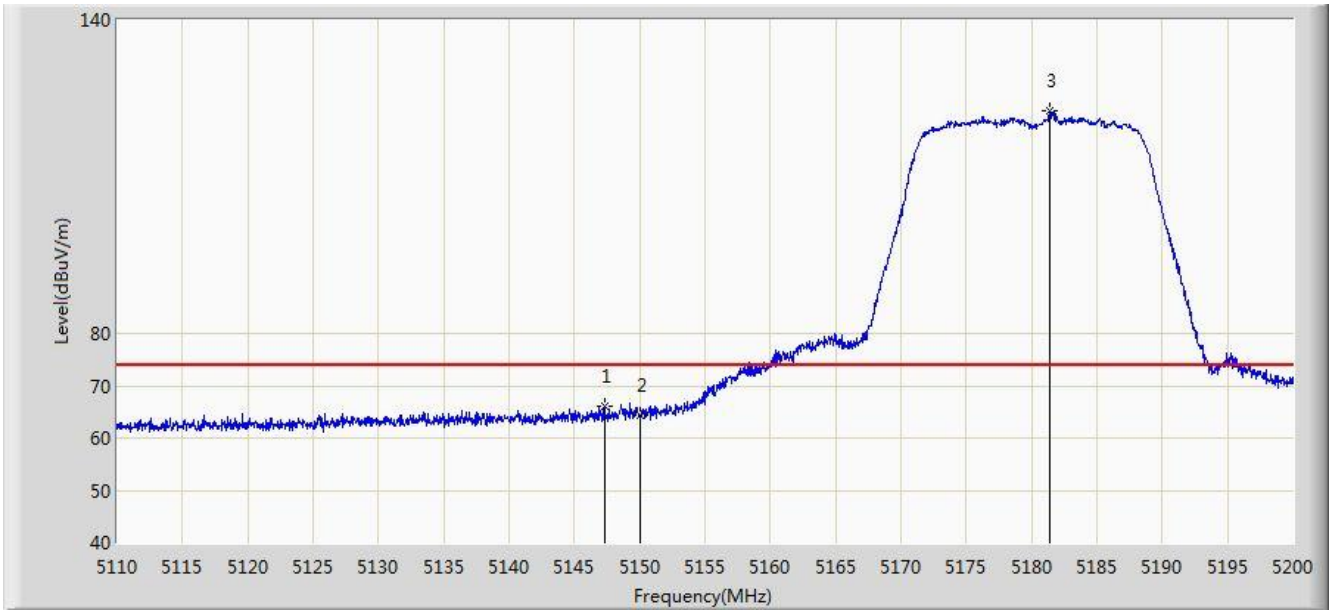


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5819.430	128.551	123.888	N/A	N/A	4.662	PK
2			5850.000	95.776	90.781	-26.424	122.200	4.995	PK
3			5855.000	92.695	87.707	-18.105	110.800	4.987	PK
4			5875.000	79.498	74.491	-25.702	105.200	5.008	PK
5			5925.000	65.266	60.114	-8.734	74.000	5.152	PK

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

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

Site: AC2	Time: 2016/02/06 - 17:30
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz Ant 0+1	

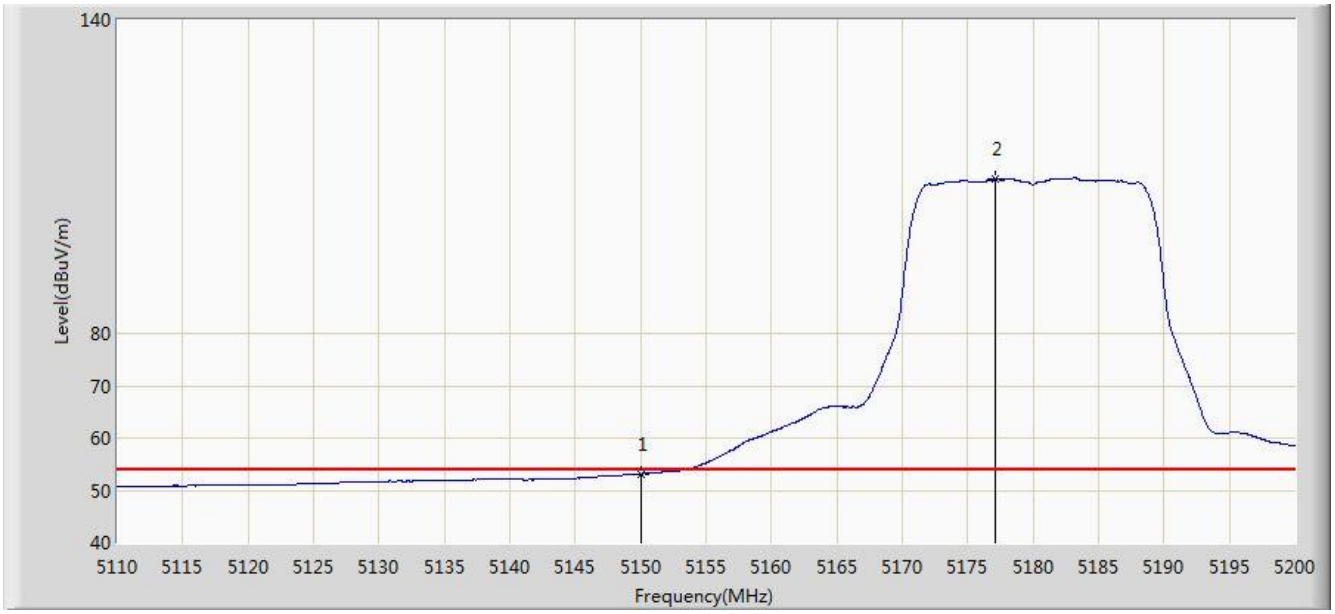


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5147.305	66.040	62.964	-7.960	74.000	3.077	PK
2			5150.000	64.356	61.286	-9.644	74.000	3.069	PK
3		*	5181.415	122.483	119.434	N/A	N/A	3.048	PK

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

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

Site: AC2	Time: 2016/02/06 - 17:29
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz Ant 0+1	

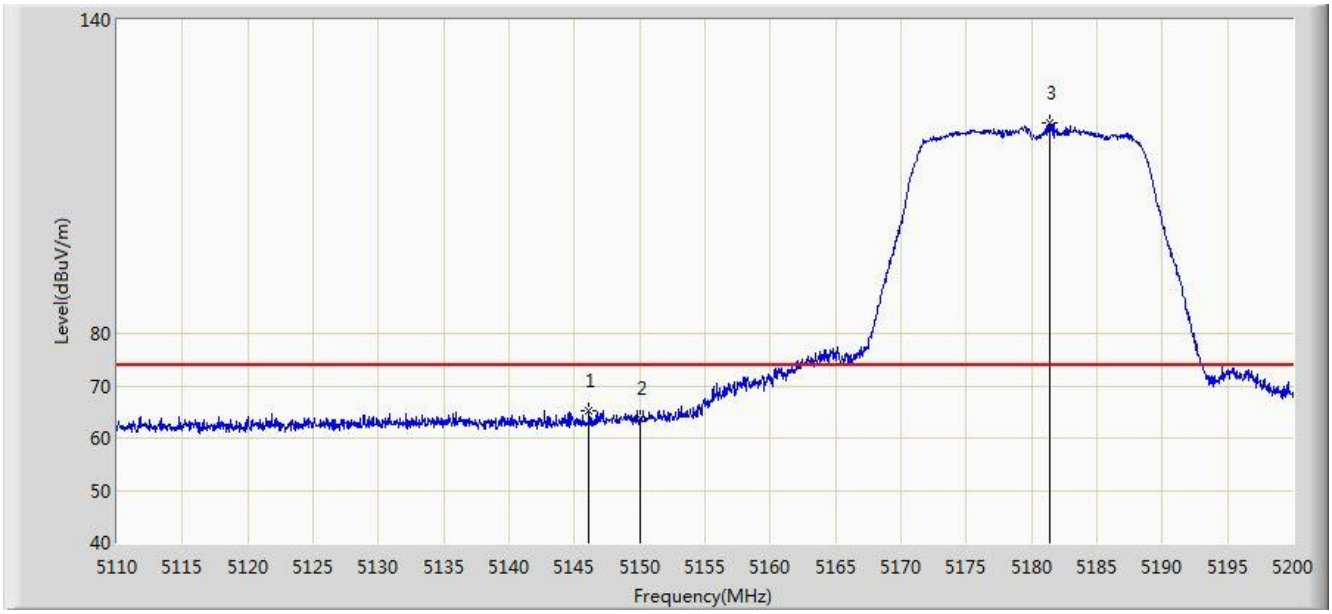


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.174	50.104	-0.826	54.000	3.069	AV
2		*	5177.140	109.500	106.468	N/A	N/A	3.032	AV

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

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

Site: AC2	Time: 2016/02/06 - 17:30
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz Ant 0+1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5146.135	65.148	62.069	-8.852	74.000	3.079	PK
2			5150.000	63.672	60.602	-10.328	74.000	3.069	PK
3		*	5181.370	120.350	117.302	N/A	N/A	3.048	PK

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

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

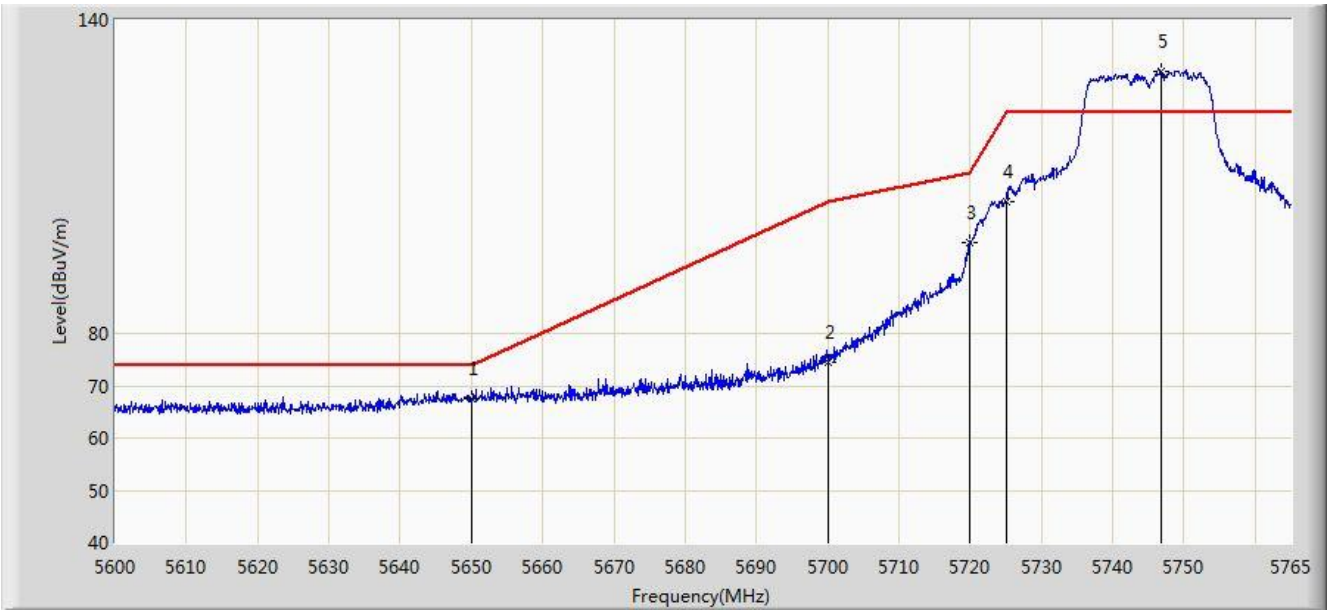
aSite: AC2	Time: 2016/02/06 - 17:30
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz Ant 0+1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	52.157	49.087	-1.843	54.000	3.069	AV
2		*	5177.410	107.736	104.703	N/A	N/A	3.033	AV

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

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

Site: AC2	Time: 2016/02/06 - 17:44
Limit: FCC_Part15.407_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5745MHz Ant 0+1	

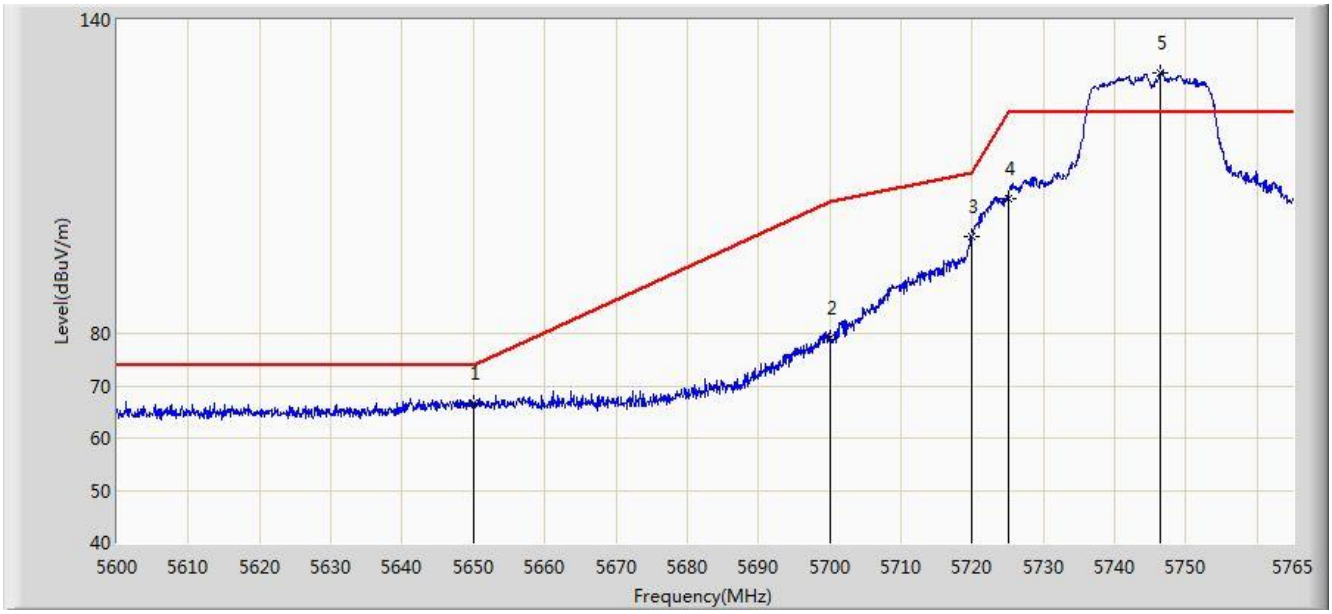


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5650.000	67.393	63.590	-6.607	74.000	3.803	PK
2			5700.000	74.380	70.440	-30.820	105.200	3.940	PK
3			5720.000	97.528	93.546	-13.272	110.800	3.982	PK
4			5725.000	105.259	101.153	-16.941	122.200	4.105	PK
5		*	5746.850	130.281	126.013	N/A	N/A	4.267	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: AC2	Time: 2016/02/06 - 17:45
Limit: FCC_Part15.407_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5745MHz Ant 0+1	

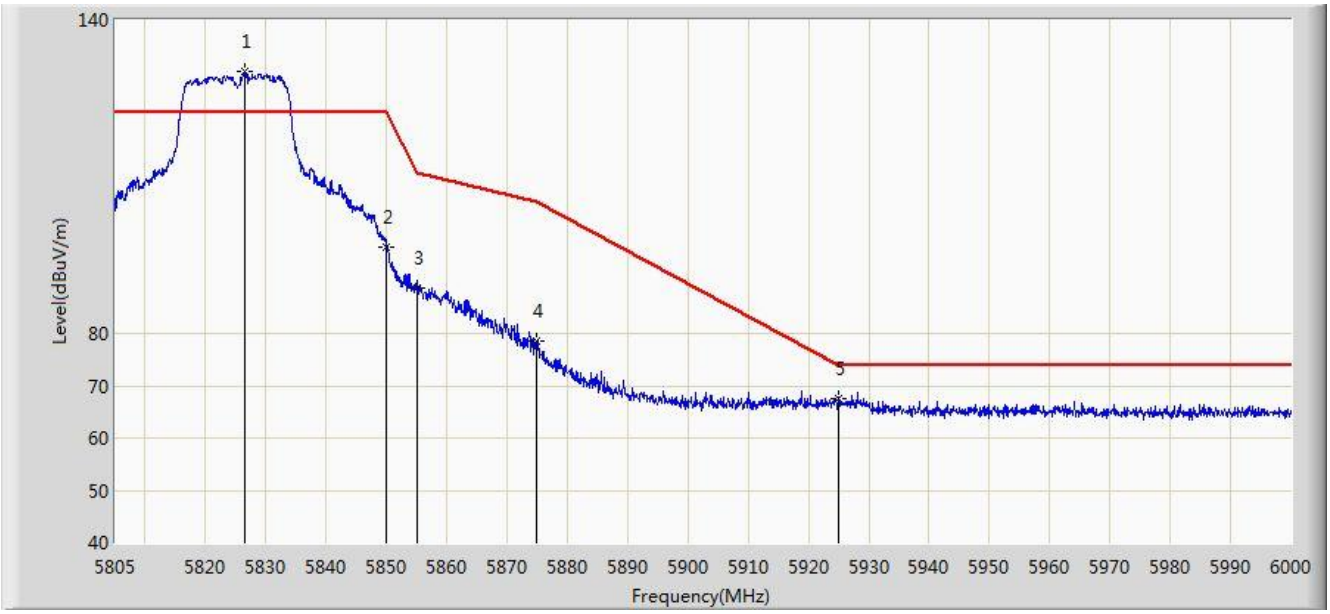


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5650.000	66.578	62.775	-7.422	74.000	3.803	PK
2			5700.000	79.178	75.238	-26.022	105.200	3.940	PK
3			5720.000	98.611	94.629	-12.189	110.800	3.982	PK
4			5725.000	105.655	101.549	-16.545	122.200	4.105	PK
5		*	5746.355	129.968	125.700	N/A	N/A	4.268	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: AC2	Time: 2016/02/06 - 17:46
Limit: FCC_Part15.407_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5825MHz Ant 0+1	

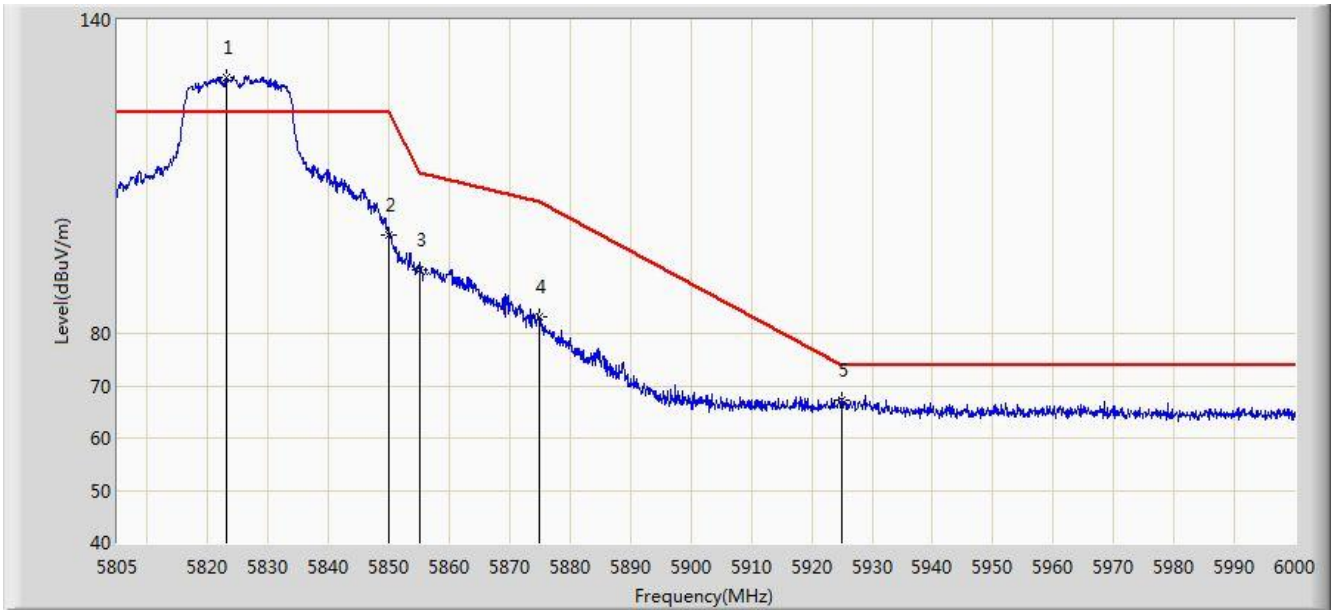


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5826.450	130.226	125.466	N/A	N/A	4.760	PK
2			5850.000	96.438	91.443	-25.762	122.200	4.995	PK
3			5855.000	88.635	83.647	-22.165	110.800	4.987	PK
4			5875.000	78.472	73.465	-26.728	105.200	5.008	PK
5			5925.000	67.536	62.384	-6.464	74.000	5.152	PK

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

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

Site: AC2	Time: 2016/02/06 - 17:46
Limit: FCC_Part15.407_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5825MHz Ant 0+1	

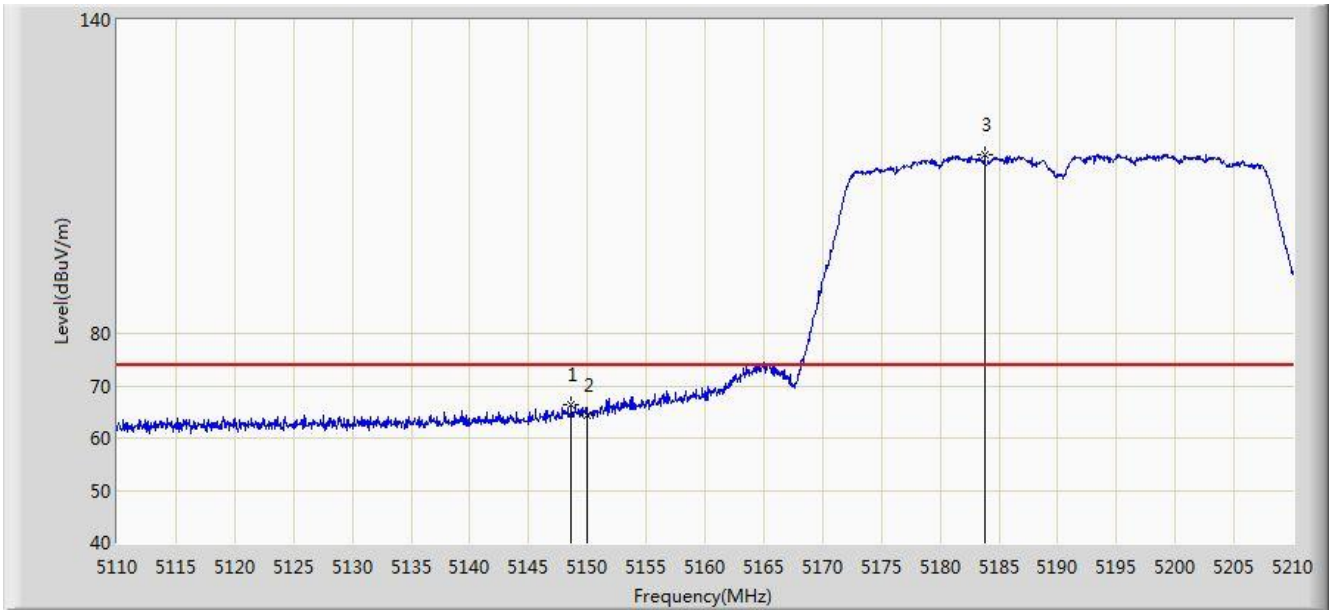


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5823.135	128.978	124.268	N/A	N/A	4.711	PK
2			5850.000	98.751	93.756	-23.449	122.200	4.995	PK
3			5855.000	92.133	87.145	-18.667	110.800	4.987	PK
4			5875.000	83.138	78.131	-22.062	105.200	5.008	PK
5			5925.000	67.328	62.176	-6.672	74.000	5.152	PK

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

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

Site: AC2	Time: 2016/02/06 - 17:51
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz Ant 0+1	

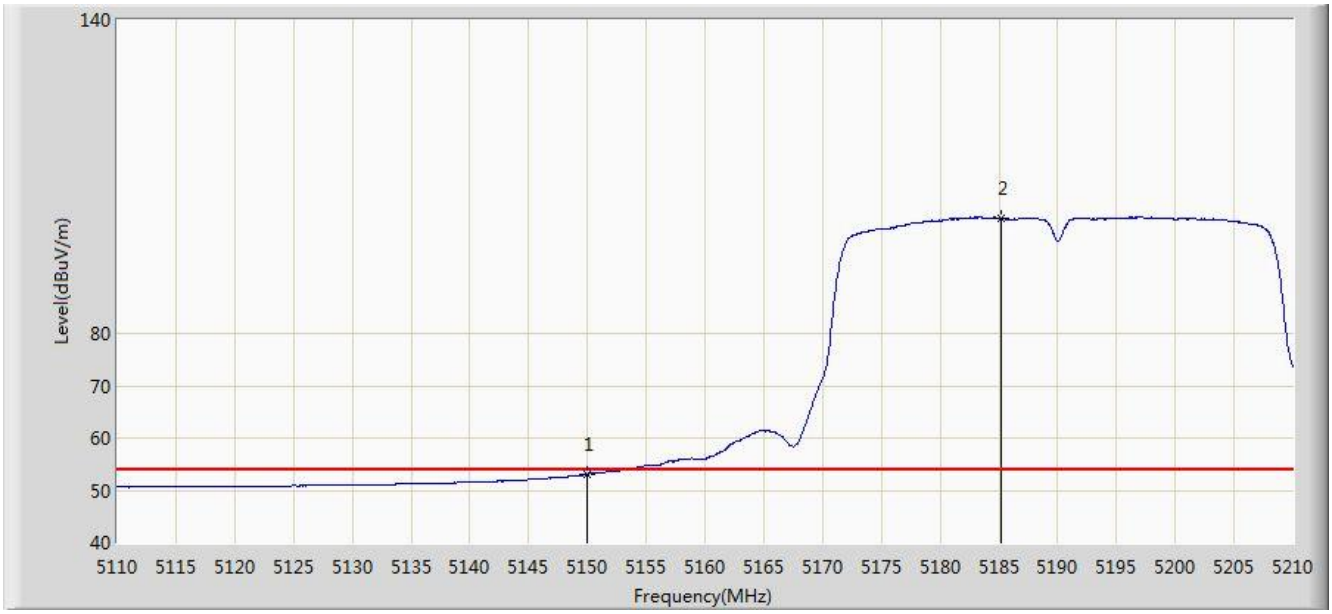


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.650	66.350	63.277	-7.650	74.000	3.073	PK
2			5150.000	64.408	61.338	-9.592	74.000	3.069	PK
3		*	5183.800	114.092	111.064	N/A	N/A	3.028	PK

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

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

Site: AC2	Time: 2016/02/06 - 17:50
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz Ant 0+1	

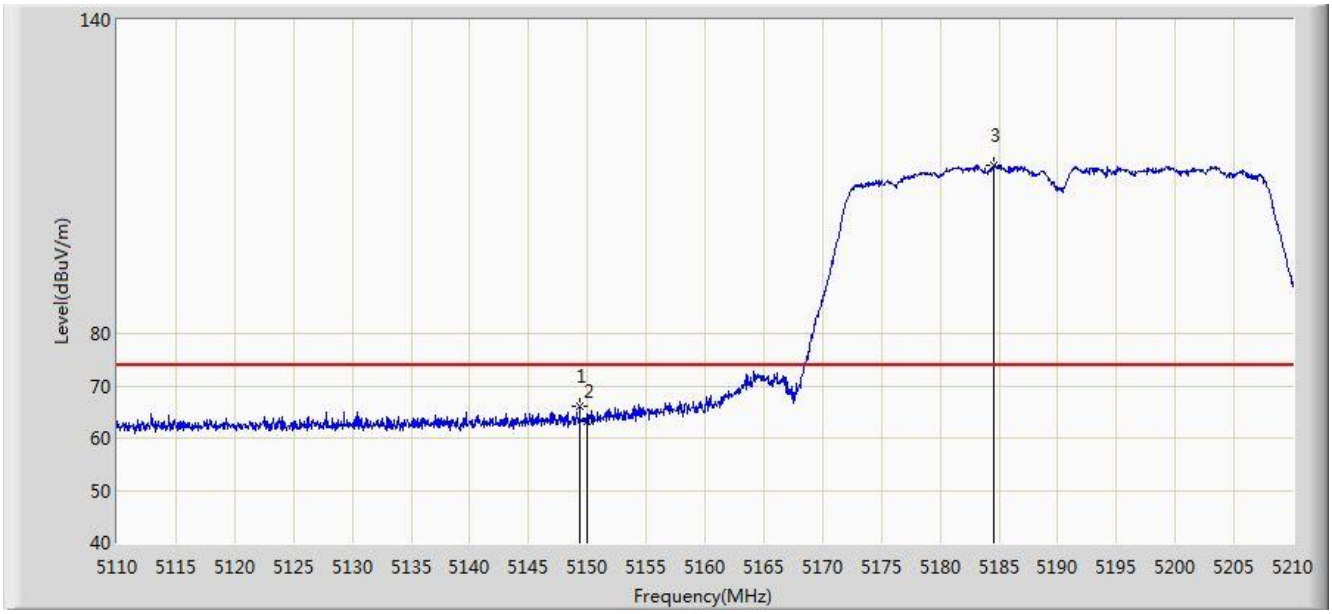


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.000	49.930	-1.000	54.000	3.069	AV
2		*	5185.200	101.976	98.965	N/A	N/A	3.011	AV

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

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

Site: AC2	Time: 2016/02/06 - 17:52
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz Ant 0+1	

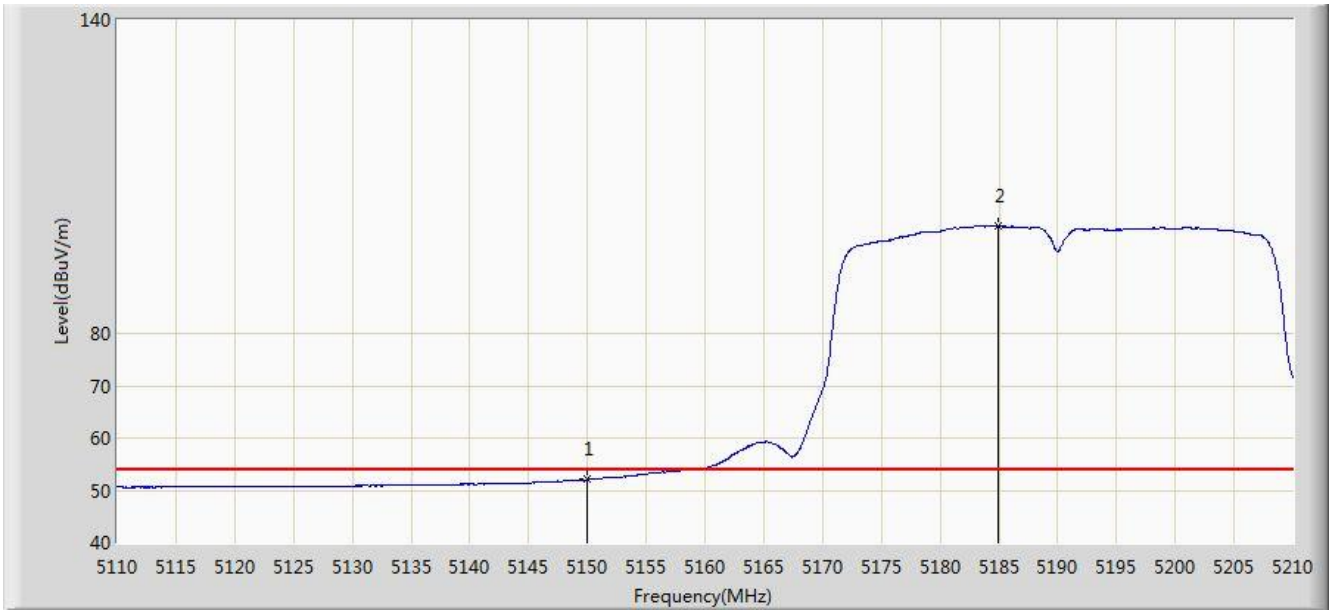


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.350	66.036	62.965	-7.964	74.000	3.071	PK
2			5150.000	63.056	59.986	-10.944	74.000	3.069	PK
3		*	5184.550	112.076	109.057	N/A	N/A	3.019	PK

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

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

Site: AC2	Time: 2016/02/06 - 17:52
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz Ant 0+1	

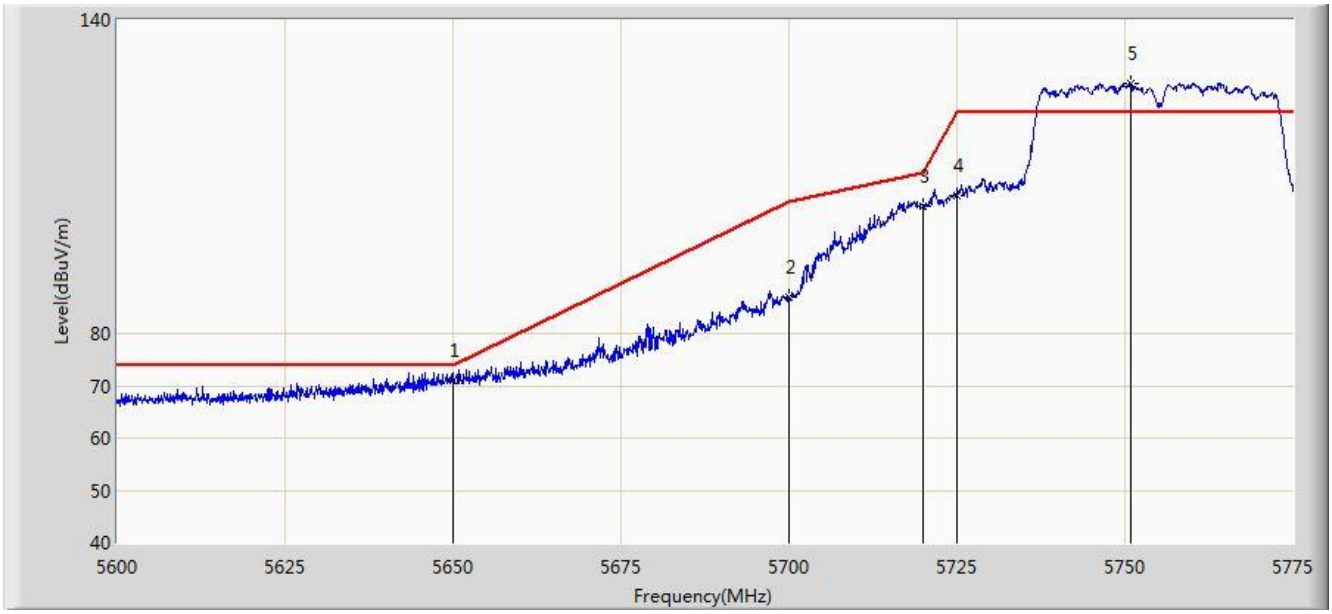


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	52.036	48.966	-1.964	54.000	3.069	AV
2		*	5184.900	100.529	97.514	N/A	N/A	3.015	AV

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

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

Site: AC2	Time: 2016/02/06 - 18:15
Limit: FCC_Part15.407_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5755MHz Ant 0+1	

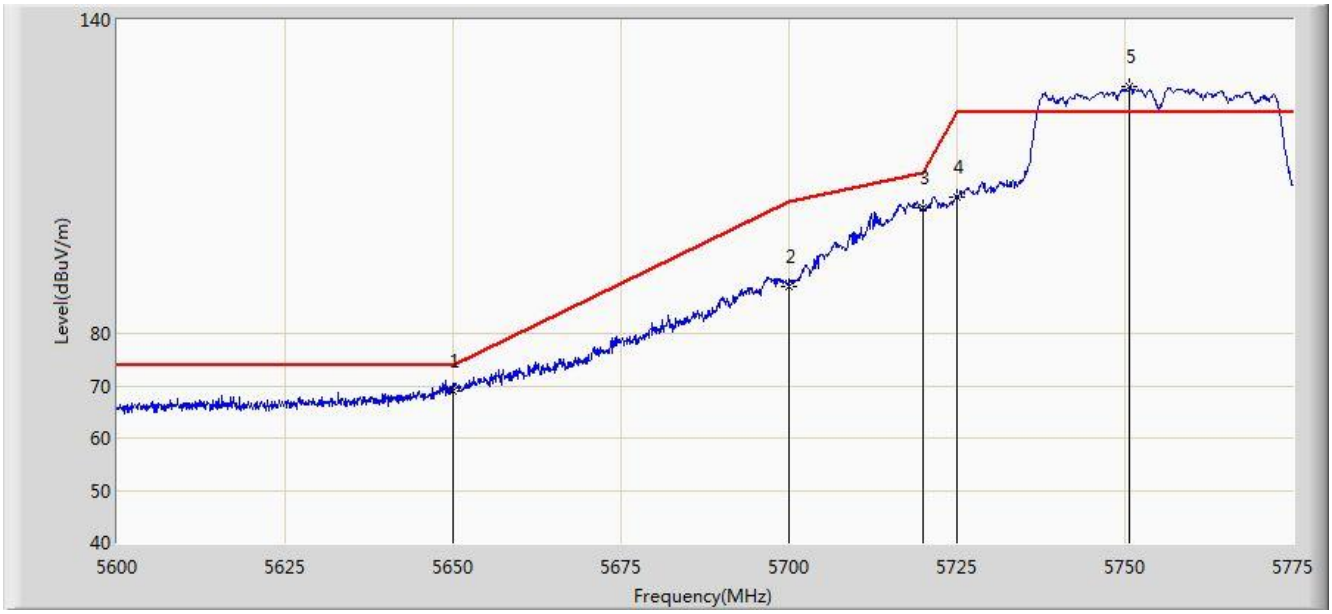


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5650.000	71.063	67.260	-2.937	74.000	3.803	PK
2			5700.000	86.913	82.973	-18.287	105.200	3.940	PK
3			5720.000	104.242	100.260	-6.558	110.800	3.982	PK
4			5725.000	106.502	102.396	-15.698	122.200	4.105	PK
5		*	5750.937	127.868	123.586	N/A	N/A	4.283	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: AC2	Time: 2016/02/06 - 18:16
Limit: FCC_Part15.407_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5755MHz Ant 0+1	

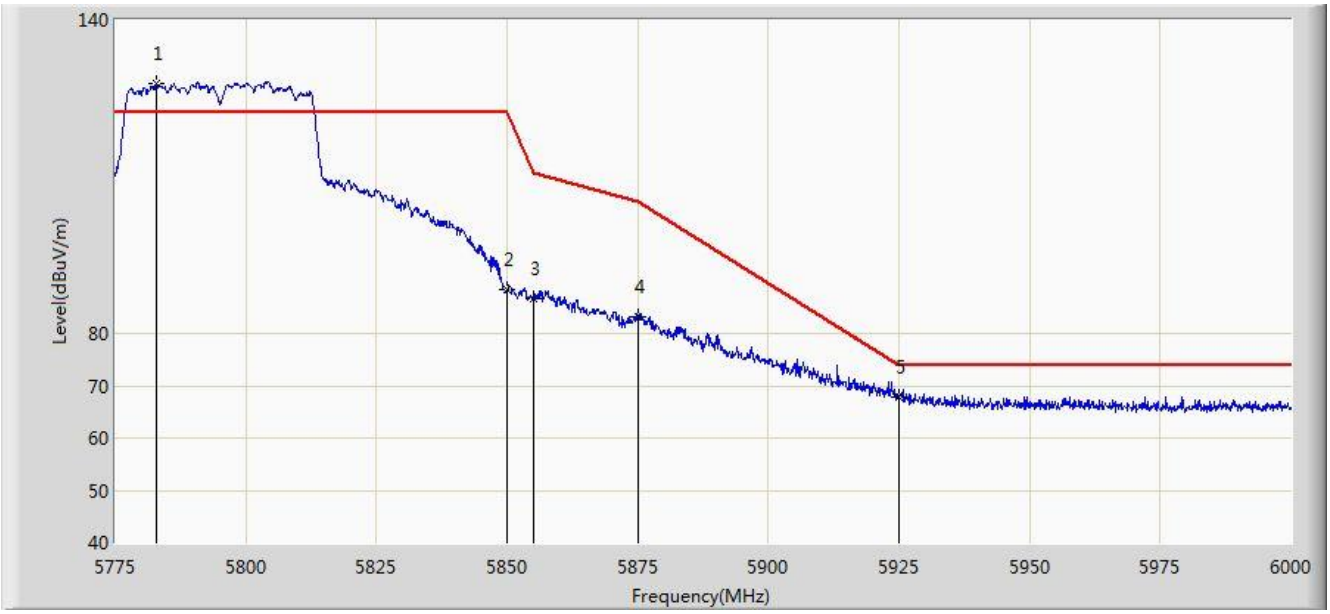


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5650.000	69.118	65.315	-4.882	74.000	3.803	PK
2			5700.000	89.051	85.111	-16.149	105.200	3.940	PK
3			5720.000	103.973	99.991	-6.827	110.800	3.982	PK
4			5725.000	106.064	101.958	-16.136	122.200	4.105	PK
5		*	5750.763	127.143	122.864	N/A	N/A	4.279	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: AC2	Time: 2016/02/06 - 18:18
Limit: FCC_Part15.407_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5795MHz Ant 0+1	

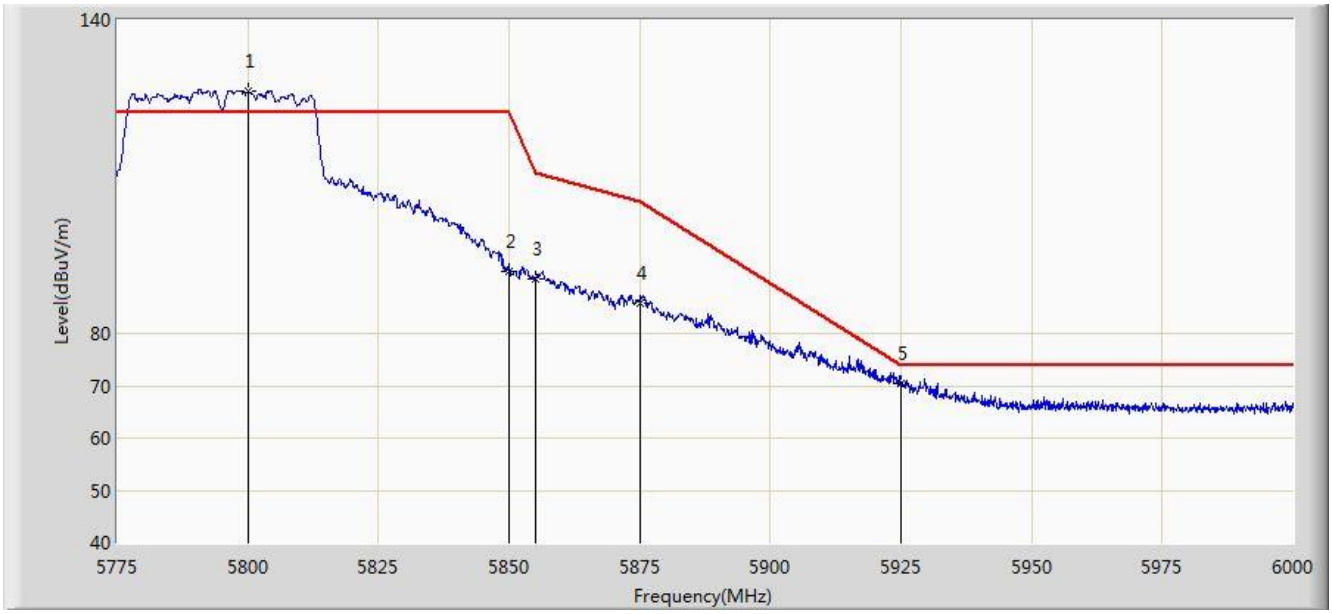


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5782.875	127.925	123.475	N/A	N/A	4.450	PK
2			5850.000	88.456	83.461	-33.744	122.200	4.995	PK
3			5855.000	86.641	81.653	-24.159	110.800	4.987	PK
4			5875.000	83.163	78.156	-22.037	105.200	5.008	PK
5			5925.000	67.940	62.788	-6.060	74.000	5.152	PK

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

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

Site: AC2	Time: 2016/02/06 - 18:19
Limit: FCC_Part15.407_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5795MHz Ant 0+1	

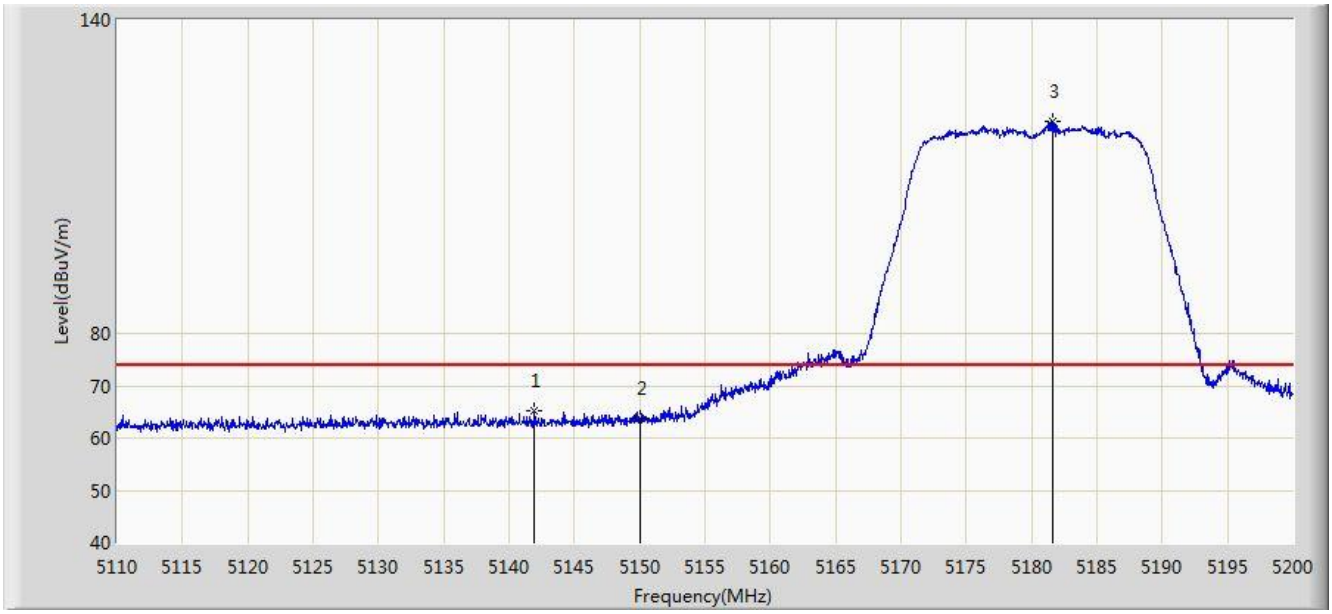


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5799.975	126.265	121.619	N/A	N/A	4.646	PK
2			5850.000	91.888	86.893	-30.312	122.200	4.995	PK
3			5855.000	90.403	85.415	-20.397	110.800	4.987	PK
4			5875.000	85.663	80.656	-19.537	105.200	5.008	PK
5			5925.000	70.293	65.141	-3.707	74.000	5.152	PK

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

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

Site: AC2	Time: 2016/02/06 - 18:46
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz Ant 0+1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5141.950	65.117	62.027	-8.883	74.000	3.090	PK
2			5150.000	63.714	60.644	-10.286	74.000	3.069	PK
3		*	5181.640	120.686	117.637	N/A	N/A	3.049	PK

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

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

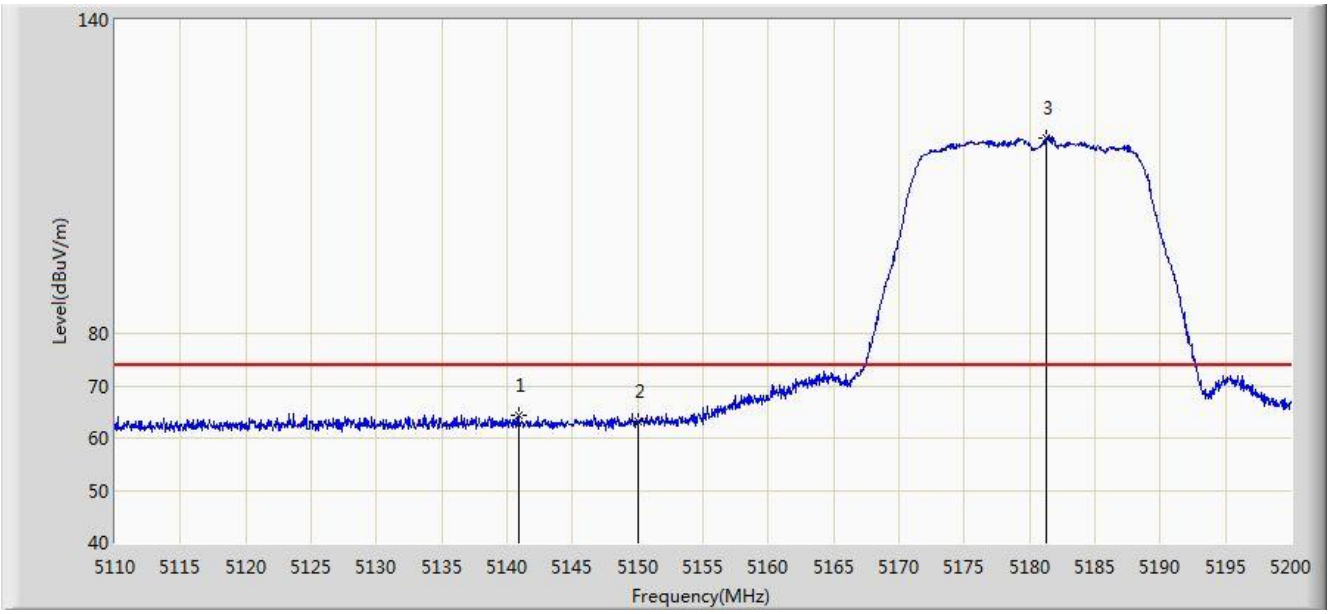
Site: AC2	Time: 2016/02/06 - 18:45
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz Ant 0+1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.194	50.124	-0.806	54.000	3.069	AV
2		*	5182.585	107.836	104.792	N/A	N/A	3.044	AV

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

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

Site: AC2	Time: 2016/02/06 - 18:46
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz Ant 0+1	

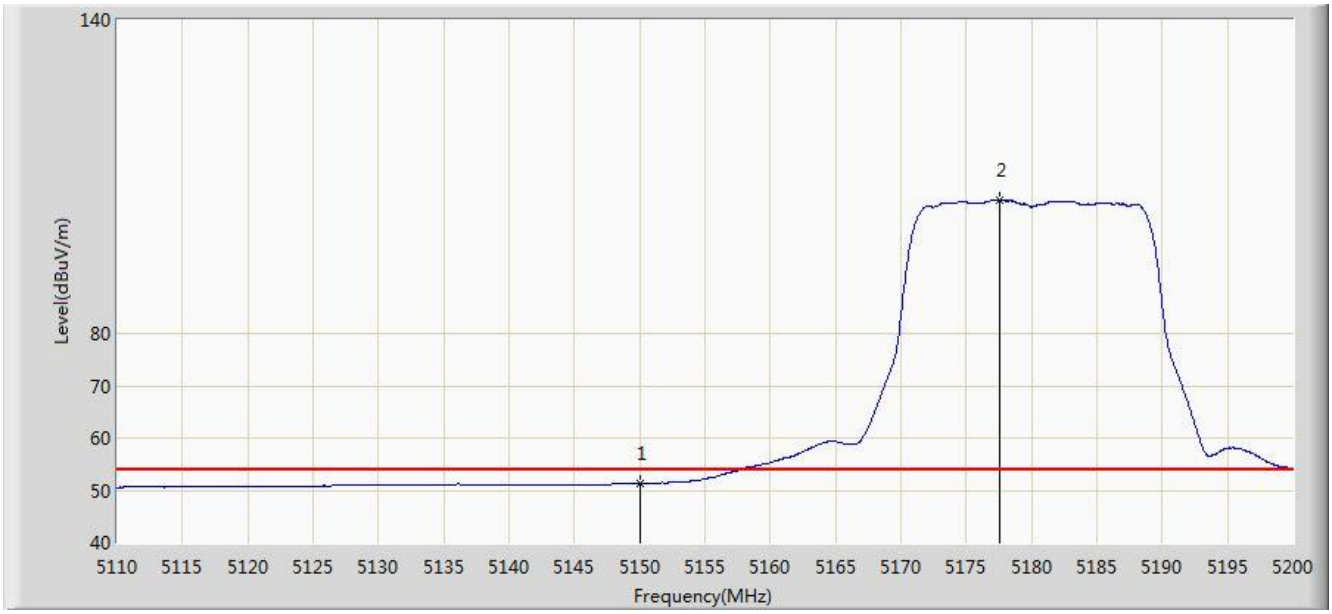


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5140.870	64.391	61.299	-9.609	74.000	3.092	PK
2			5150.000	63.114	60.044	-10.886	74.000	3.069	PK
3		*	5181.325	117.506	114.458	N/A	N/A	3.048	PK

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

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

Site: AC2	Time: 2016/02/06 - 18:46
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz Ant 0+1	

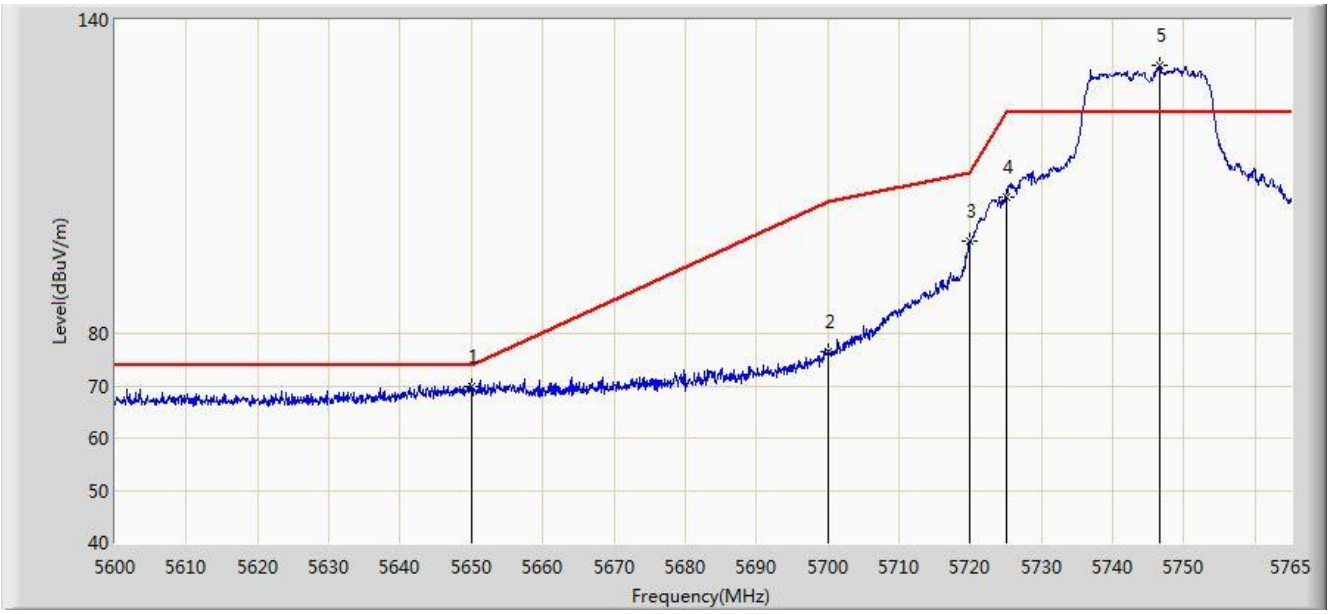


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.292	48.222	-2.708	54.000	3.069	AV
2		*	5177.545	105.485	102.452	N/A	N/A	3.033	AV

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

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

Site: AC2	Time: 2016/02/06 - 19:08
Limit: FCC_Part15.407_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5745MHz Ant 0+1	

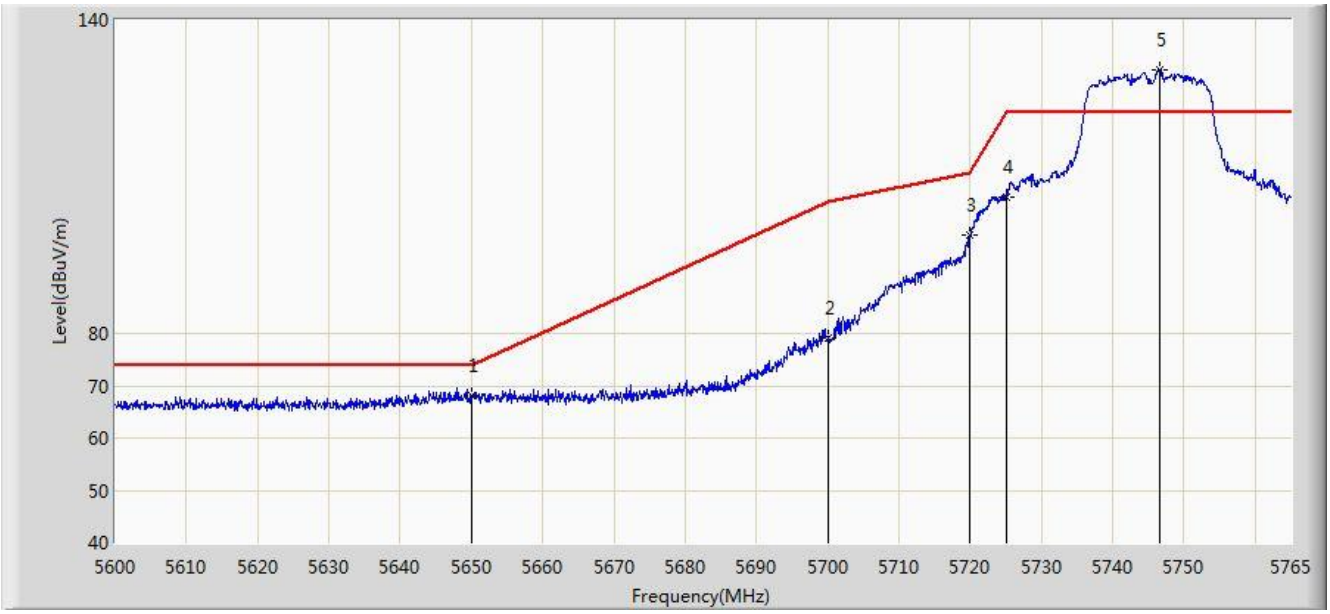


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5650.000	69.881	66.078	-4.119	74.000	3.803	PK
2			5700.000	76.650	72.710	-28.550	105.200	3.940	PK
3			5720.000	97.819	93.837	-12.981	110.800	3.982	PK
4			5725.000	106.130	102.024	-16.070	122.200	4.105	PK
5		*	5746.603	131.189	126.921	N/A	N/A	4.269	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: AC2	Time: 2016/02/06 - 19:10
Limit: FCC_Part15.407_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5745MHz Ant 0+1	

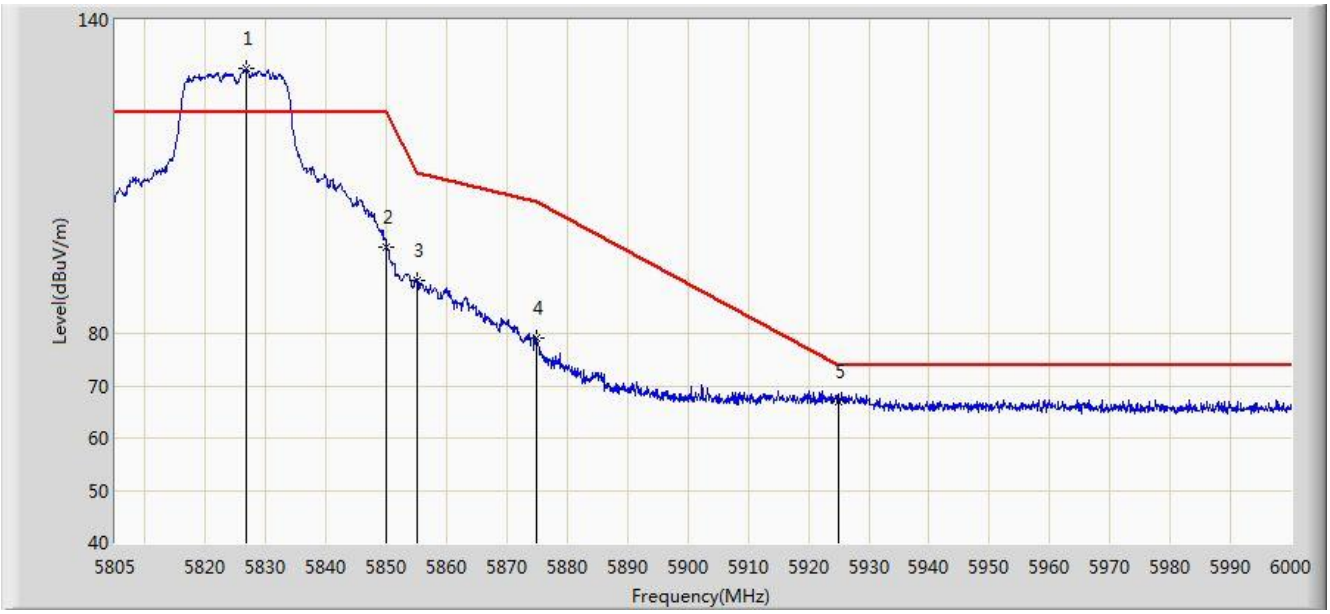


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5650.000	68.066	64.263	-5.934	74.000	3.803	PK
2			5700.000	79.261	75.321	-25.939	105.200	3.940	PK
3			5720.000	98.834	94.852	-11.966	110.800	3.982	PK
4			5725.000	106.199	102.093	-16.001	122.200	4.105	PK
5		*	5746.603	130.579	126.311	N/A	N/A	4.269	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: AC2	Time: 2016/02/06 - 19:11
Limit: FCC_Part15.407_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5825MHz Ant 0+1	

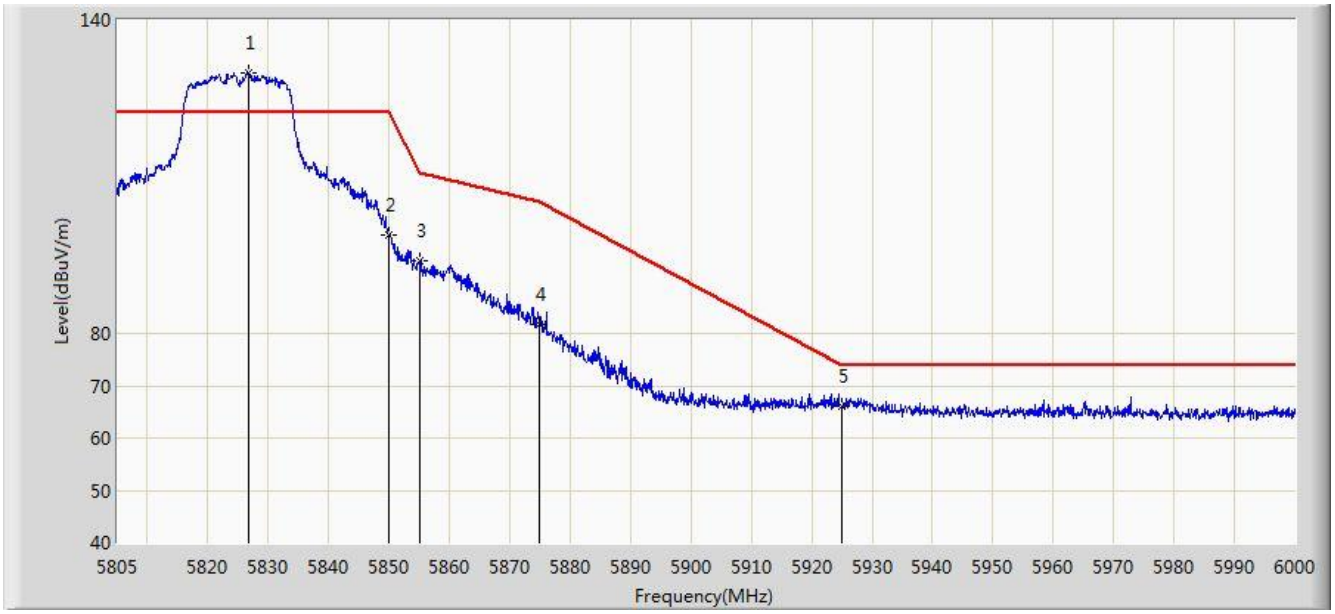


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5826.743	130.740	125.976	N/A	N/A	4.764	PK
2			5850.000	96.574	91.579	-25.626	122.200	4.995	PK
3			5855.000	90.014	85.026	-20.786	110.800	4.987	PK
4			5875.000	79.095	74.088	-26.105	105.200	5.008	PK
5			5925.000	67.089	61.937	-6.911	74.000	5.152	PK

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

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

Site: AC2	Time: 2016/02/06 - 19:12
Limit: FCC_Part15.407_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5825MHz Ant 0+1	

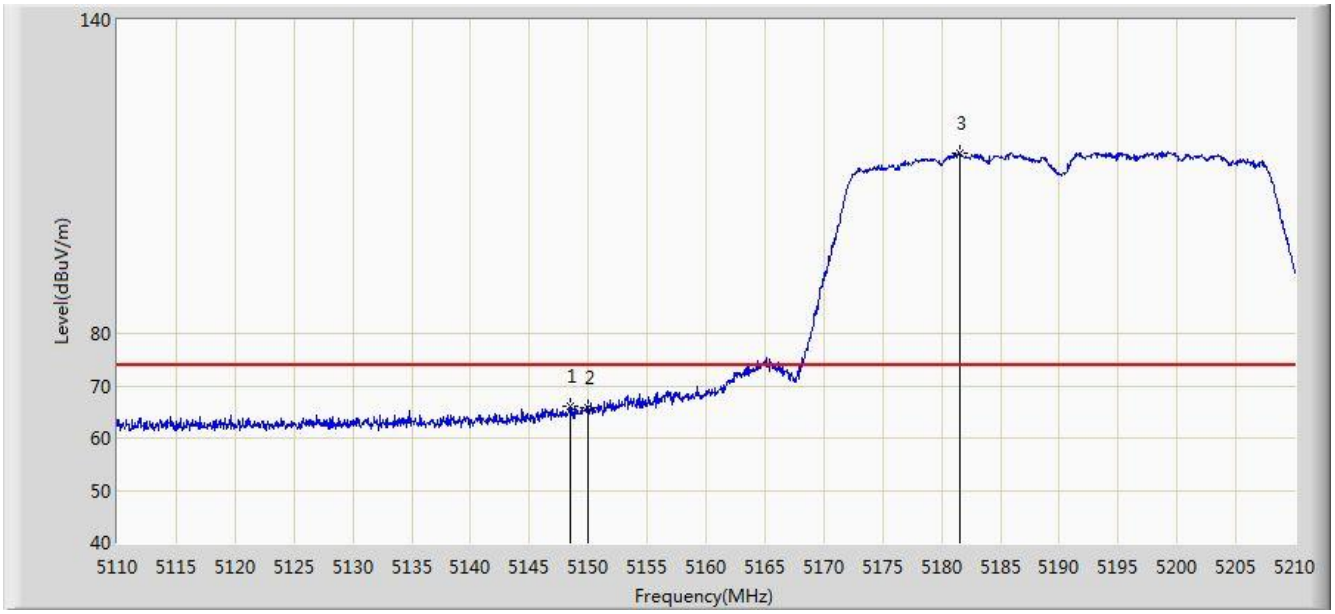


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5826.840	129.918	125.153	N/A	N/A	4.765	PK
2			5850.000	98.935	93.940	-23.265	122.200	4.995	PK
3			5855.000	93.837	88.849	-16.963	110.800	4.987	PK
4			5875.000	81.800	76.793	-23.400	105.200	5.008	PK
5			5925.000	65.947	60.795	-8.053	74.000	5.152	PK

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

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

Site: AC2	Time: 2016/02/06 - 19:18
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz Ant 0+1	

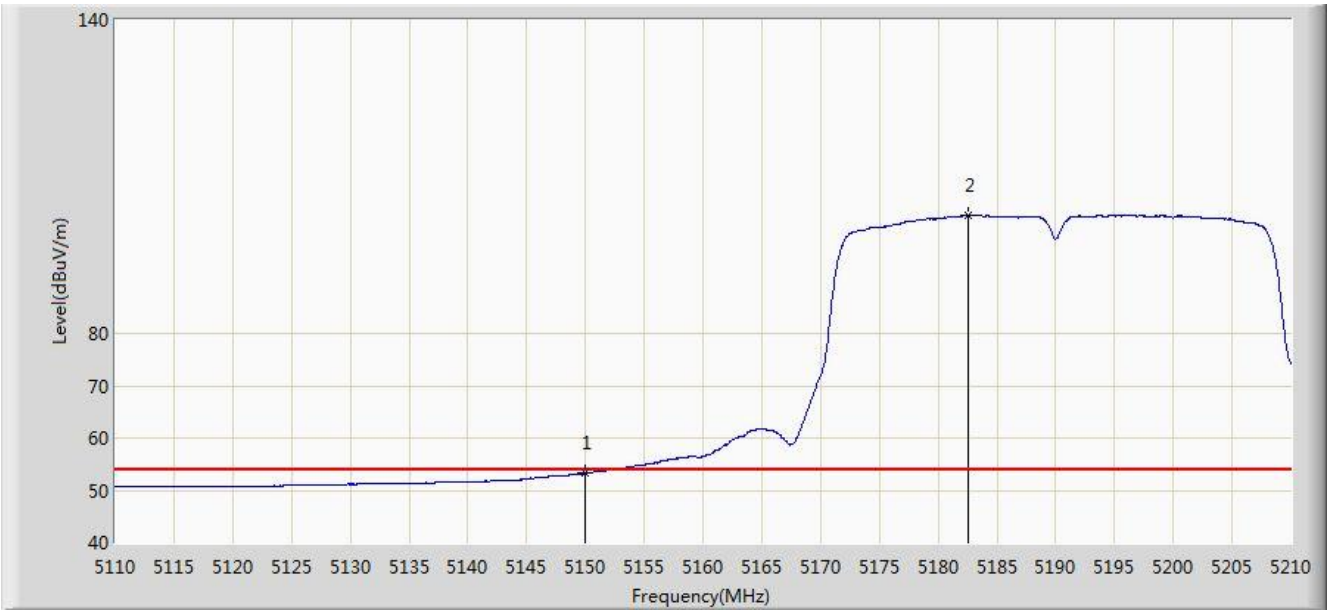


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.500	66.077	63.004	-7.923	74.000	3.073	PK
2			5150.000	65.750	62.680	-8.250	74.000	3.069	PK
3		*	5181.500	114.382	111.333	N/A	N/A	3.049	PK

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

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

Site: AC2	Time: 2016/02/06 - 19:17
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz Ant 0+1	

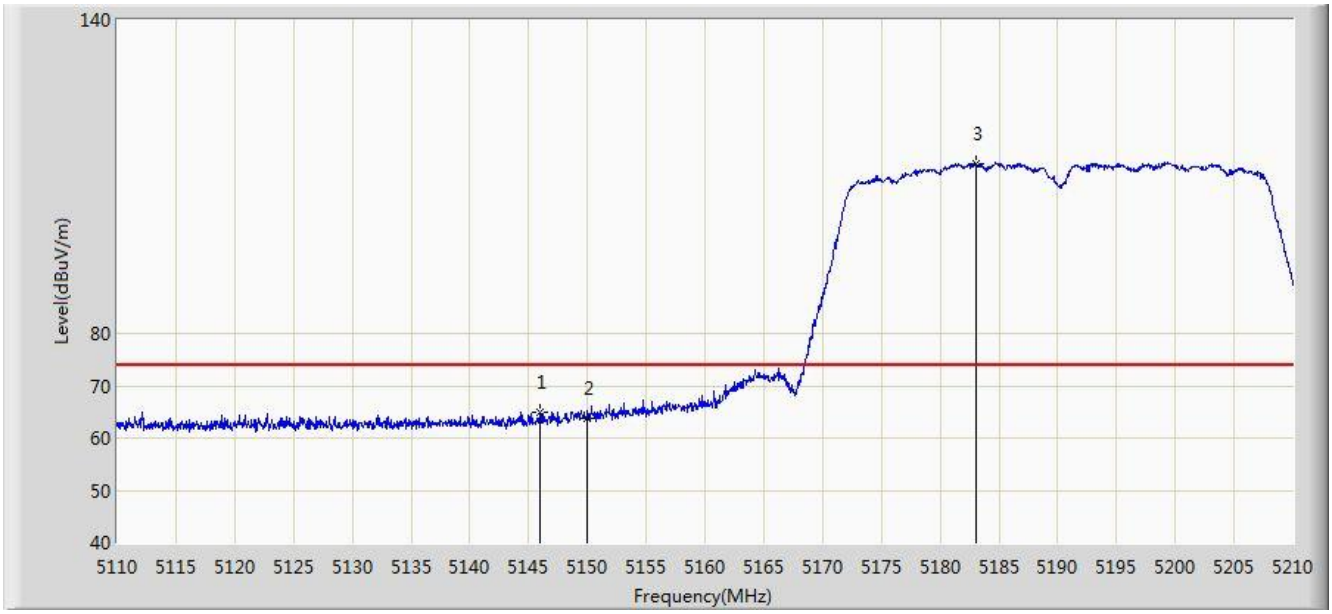


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.304	50.234	-0.696	54.000	3.069	AV
2		*	5182.500	102.579	99.534	48.579	54.000	3.044	AV

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

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

Site: AC2	Time: 2016/02/06 - 19:18
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz Ant 0+1	

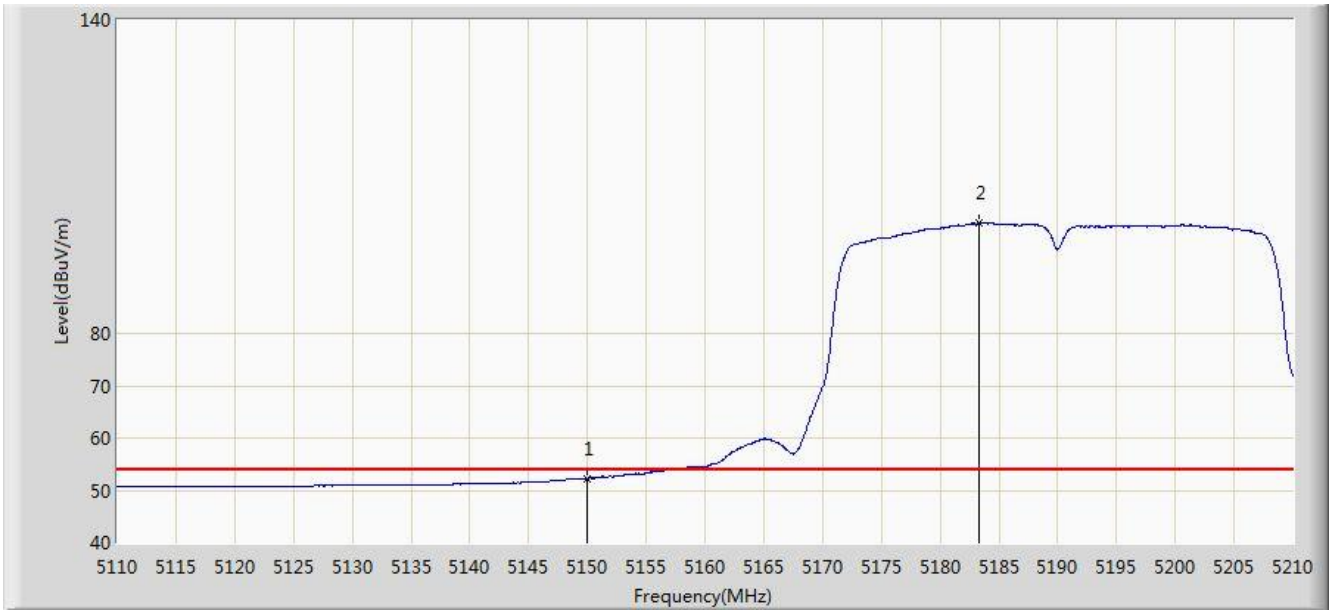


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5146.000	64.897	61.818	-9.103	74.000	3.080	PK
2			5150.000	63.697	60.627	-10.303	74.000	3.069	PK
3		*	5183.000	112.565	109.527	N/A	N/A	3.038	PK

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

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

Site: AC2	Time: 2016/02/06 - 19:19
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz Ant 0+1	

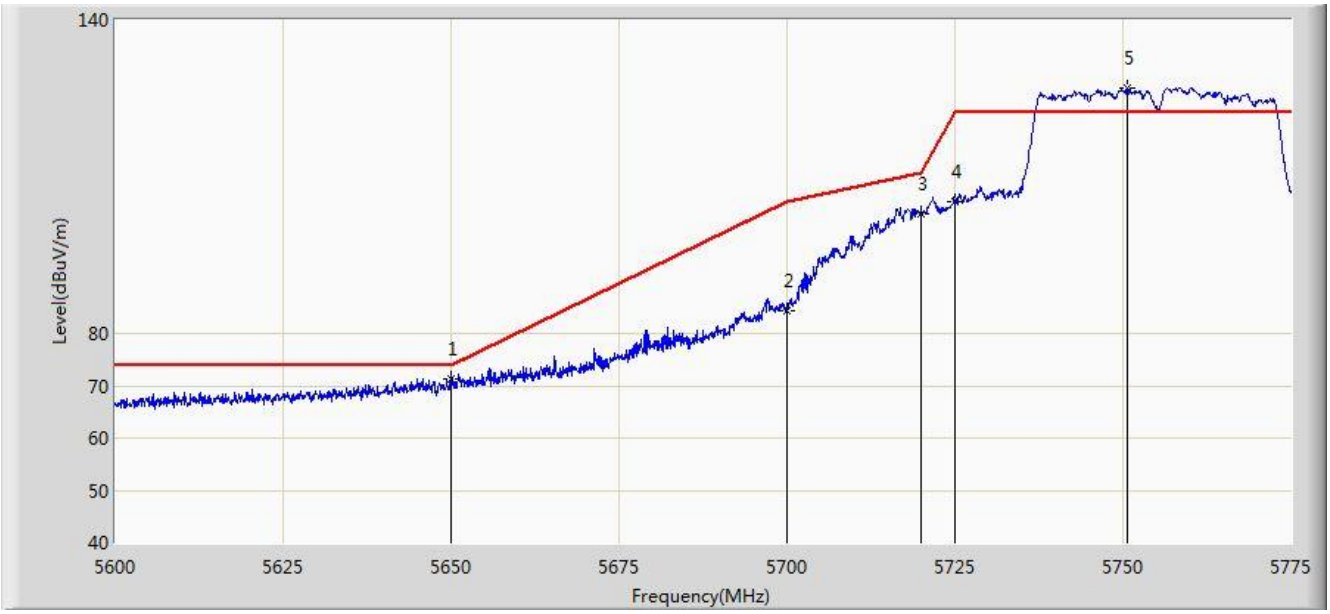


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	52.287	49.217	-1.713	54.000	3.069	AV
2		*	5183.350	101.085	98.051	N/A	N/A	3.035	AV

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

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

Site: AC2	Time: 2016/02/06 - 19:40
Limit: FCC_Part15.407_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5755MHz Ant 0+1	

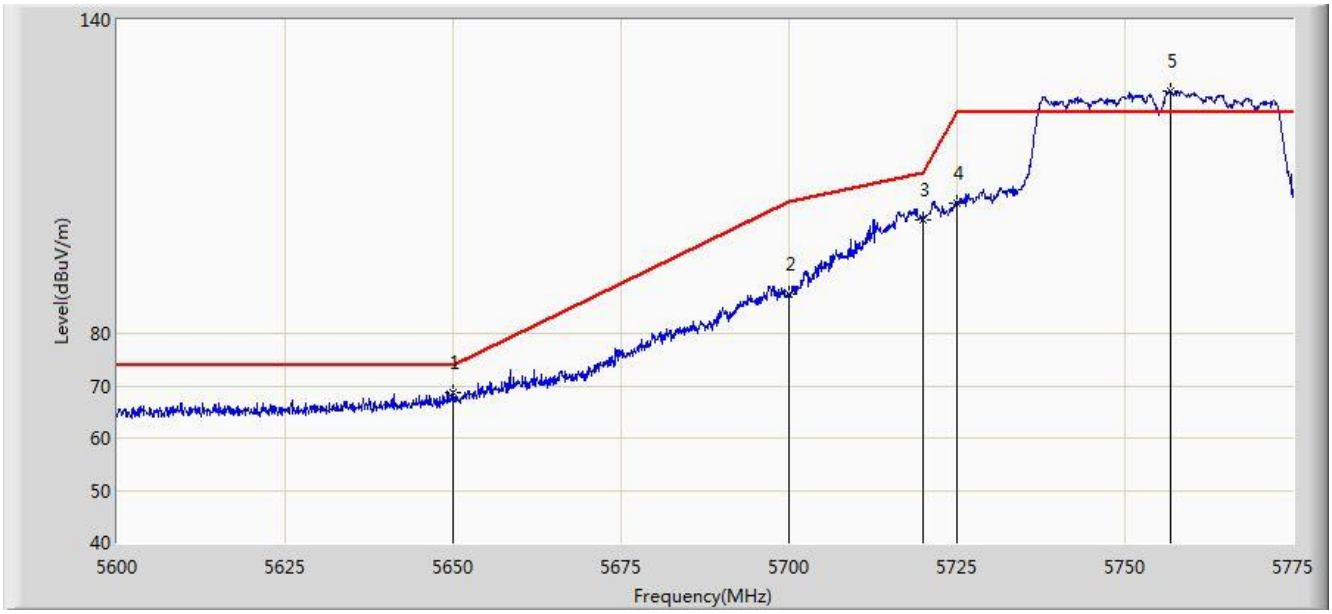


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5650.000	71.223	67.420	-2.777	74.000	3.803	PK
2			5700.000	84.476	80.536	-20.724	105.200	3.940	PK
3			5720.000	103.036	99.054	-7.764	110.800	3.982	PK
4			5725.000	105.256	101.150	-16.944	122.200	4.105	PK
5		*	5750.587	126.860	122.584	N/A	N/A	4.276	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: AC2	Time: 2016/02/06 - 19:41
Limit: FCC_Part15.407_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5755MHz Ant 0+1	

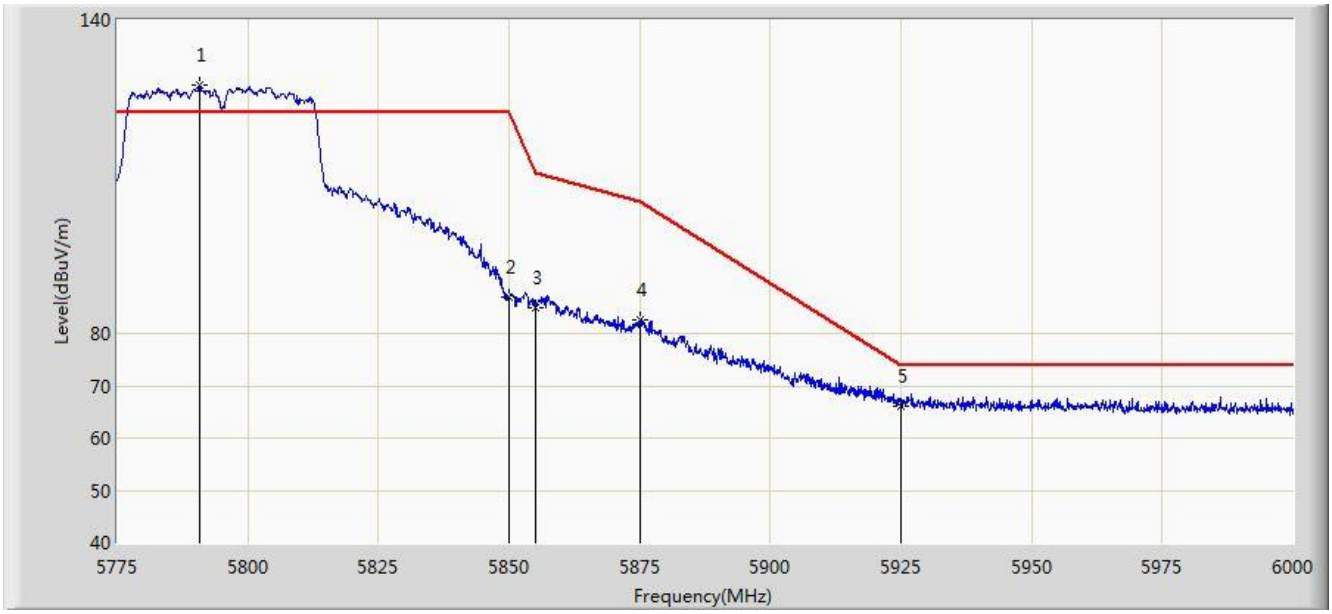


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5650.000	68.595	64.792	-5.405	74.000	3.803	PK
2			5700.000	87.615	83.675	-17.585	105.200	3.940	PK
3			5720.000	101.603	97.621	-9.197	110.800	3.982	PK
4			5725.000	105.029	100.923	-17.171	122.200	4.105	PK
5		*	5756.712	126.253	121.870	N/A	N/A	4.383	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: AC2	Time: 2016/02/06 - 19:42
Limit: FCC_Part15.407_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5795MHz Ant 0+1	

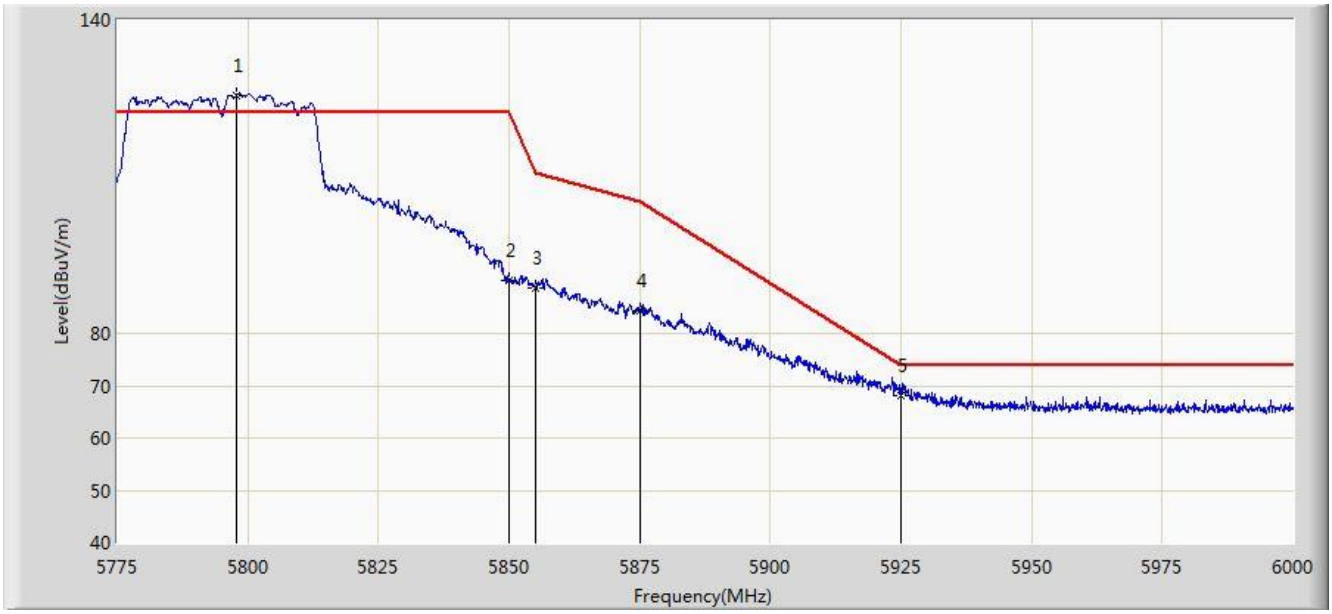


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5790.750	127.475	122.923	N/A	N/A	4.552	PK
2			5850.000	86.982	81.987	-35.218	122.200	4.995	PK
3			5855.000	85.060	80.072	-25.740	110.800	4.987	PK
4			5875.000	82.582	77.575	-22.618	105.200	5.008	PK
5			5925.000	66.189	61.037	-7.811	74.000	5.152	PK

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

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

Site: AC2	Time: 2016/02/06 - 19:44
Limit: FCC_Part15.407_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5795MHz Ant 0+1	

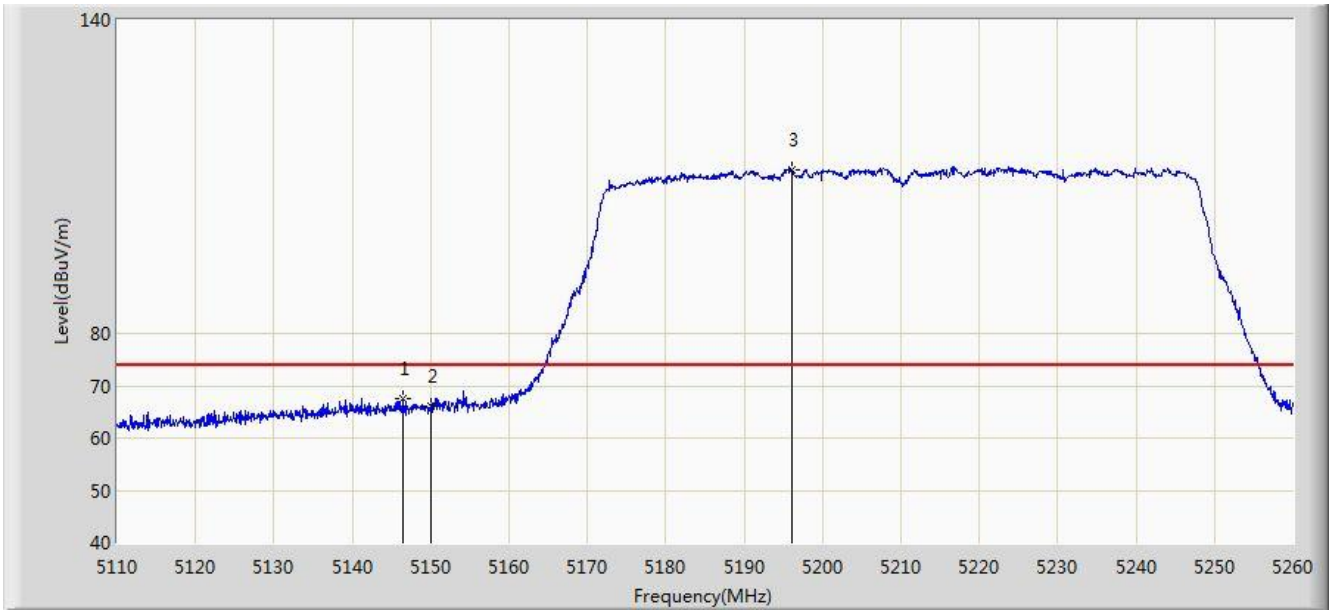


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5797.725	125.559	120.931	N/A	N/A	4.629	PK
2			5850.000	90.284	85.289	-31.916	122.200	4.995	PK
3			5855.000	88.793	83.805	-22.007	110.800	4.987	PK
4			5875.000	84.304	79.297	-20.896	105.200	5.008	PK
5			5925.000	68.117	62.965	-5.883	74.000	5.152	PK

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

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

Site: AC2	Time: 2016/02/06 - 19:51
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz Ant 0+1	

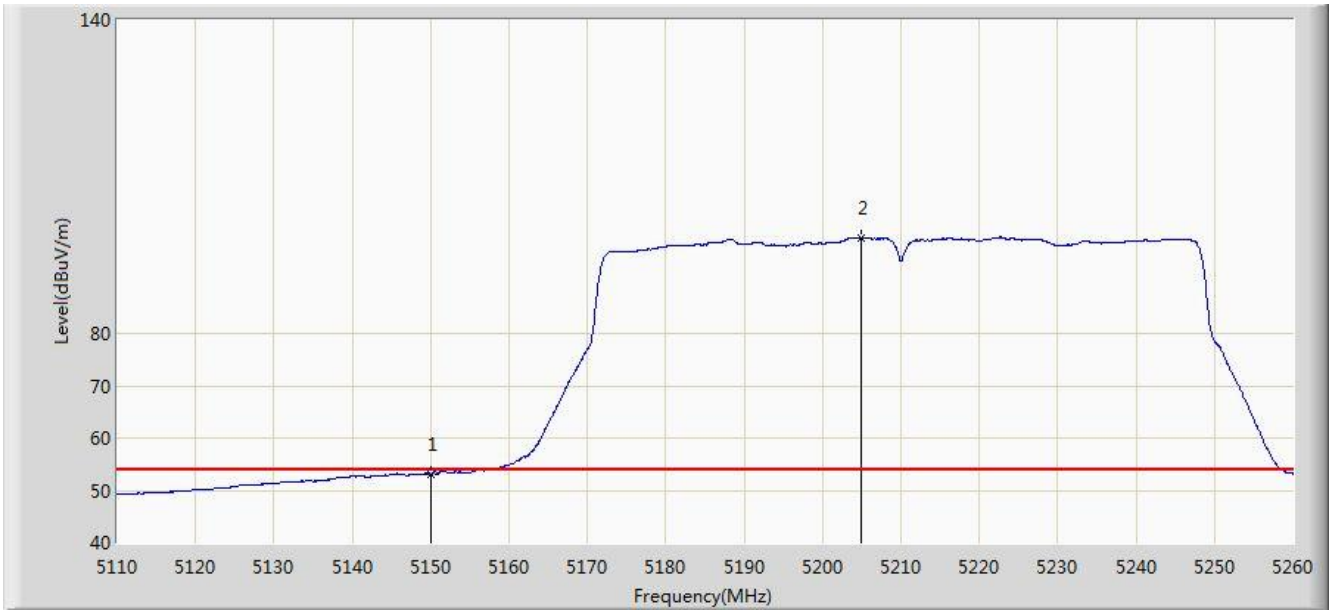


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5146.450	67.495	64.417	-6.505	74.000	3.078	PK
2			5150.000	66.105	63.035	-7.895	74.000	3.069	PK
3		*	5196.100	111.320	108.460	N/A	N/A	2.860	PK

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

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

Site: AC2	Time: 2016/02/06 - 19:50
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz Ant 0+1	

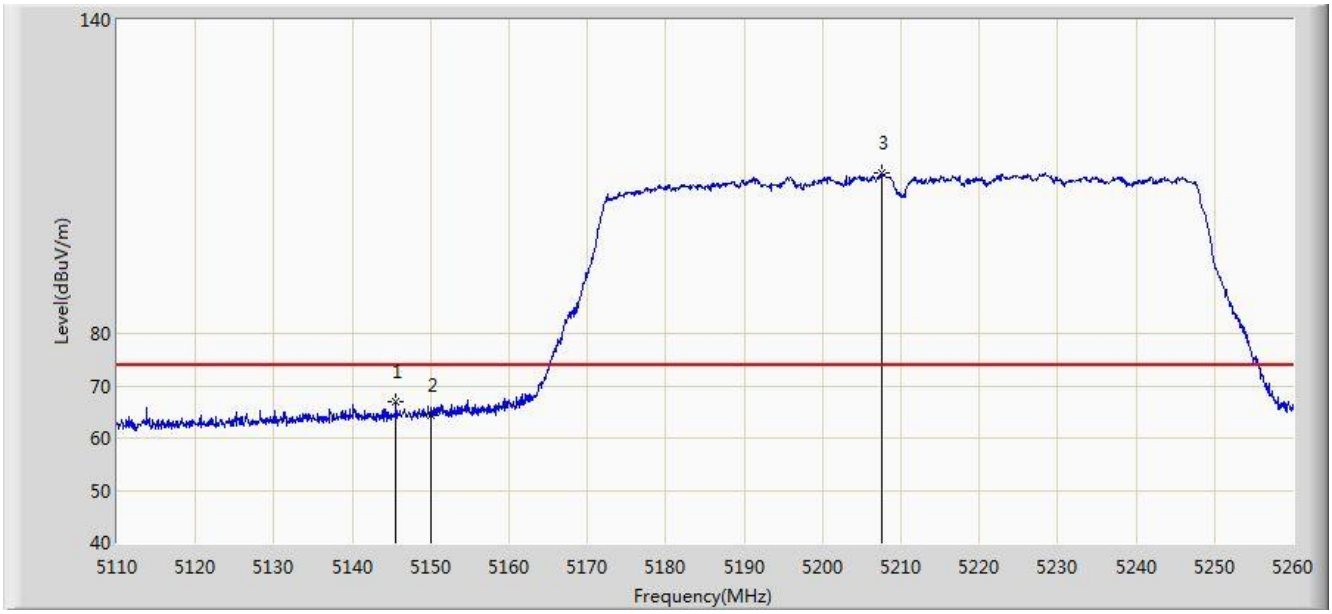


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.139	50.069	-0.861	54.000	3.069	AV
2		*	5204.875	98.242	95.443	N/A	N/A	2.800	AV

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

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

Site: AC2	Time: 2016/02/06 - 19:51
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz Ant 0+1	

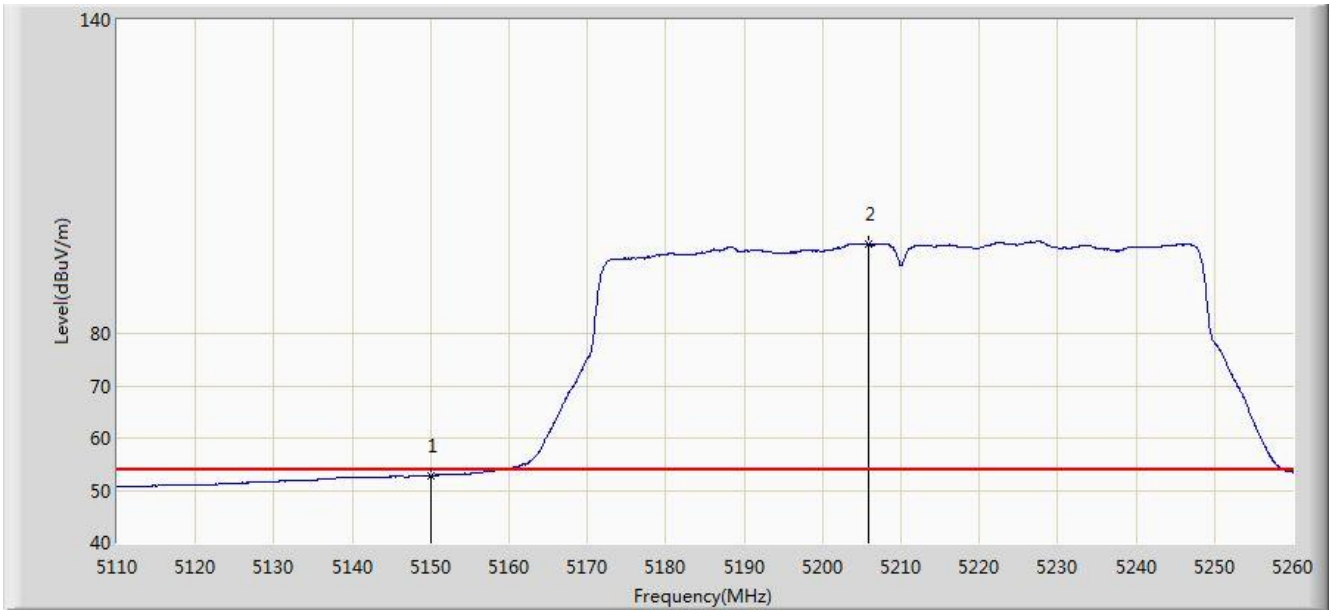


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5145.550	66.988	63.908	-7.012	74.000	3.081	PK
2			5150.000	64.324	61.254	-9.676	74.000	3.069	PK
3		*	5207.500	110.662	107.871	N/A	N/A	2.791	PK

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

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

Site: AC2	Time: 2016/02/06 - 19:52
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz Ant 0+1	

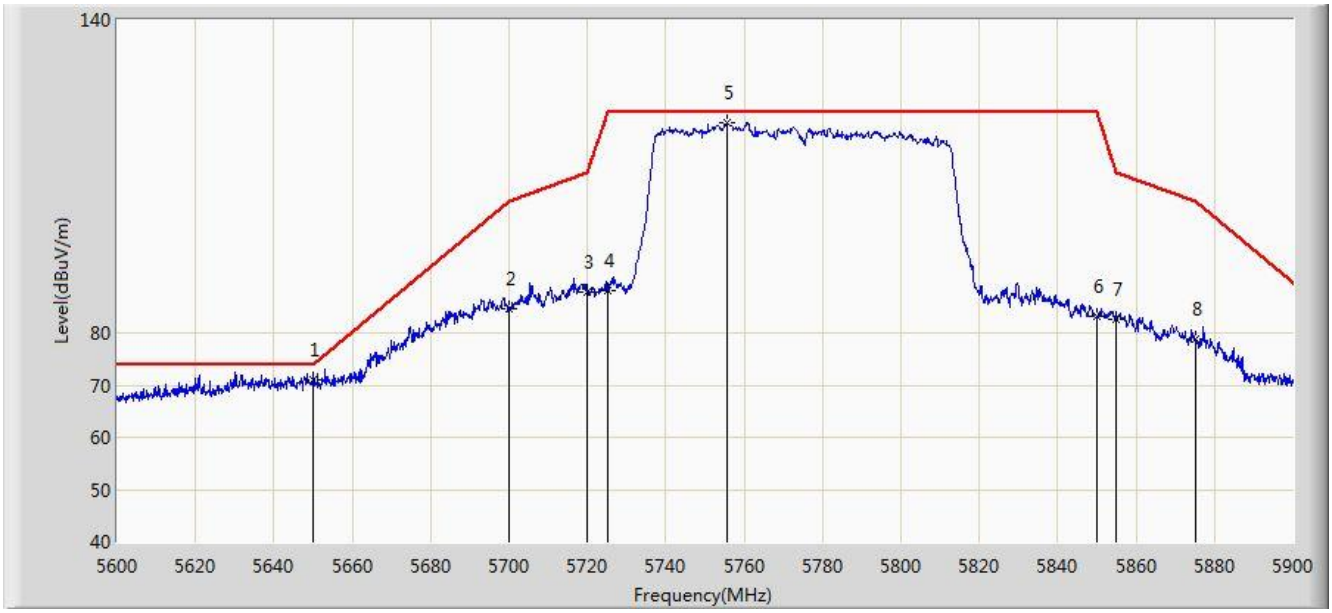


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	52.842	49.772	-1.158	54.000	3.069	AV
2		*	5205.775	97.030	94.233	N/A	N/A	2.797	AV

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

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

Site: AC2	Time: 2016/02/06 - 20:09
Limit: FCC_Part15.407_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5775MHz Ant 0+1	

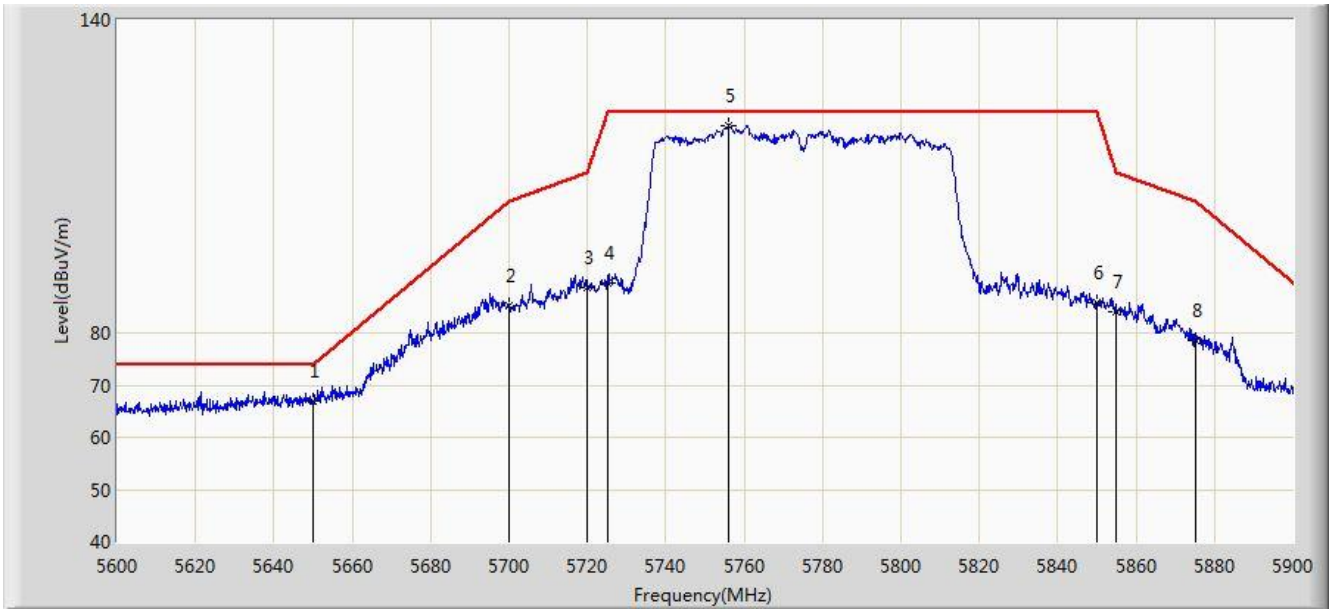


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5650.000	71.034	67.231	-2.966	74.000	3.803	PK
2			5700.000	84.716	80.776	-20.484	105.200	3.940	PK
3			5720.000	87.719	83.737	-23.081	110.800	3.982	PK
4			5725.000	88.105	83.999	-34.095	122.200	4.105	PK
5		*	5755.700	120.222	115.856	N/A	N/A	4.366	PK
6			5850.000	83.088	78.093	-39.112	122.200	4.995	PK
7			5855.000	82.644	77.656	-28.156	110.800	4.987	PK
8			5875.000	78.782	73.775	-26.418	105.200	5.008	PK
9			5925.000	71.020	65.868	-2.980	74.000	5.152	PK

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

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

Site: AC2	Time: 2016/02/06 - 20:10
Limit: FCC_Part15.407_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5775MHz Ant 0+1	

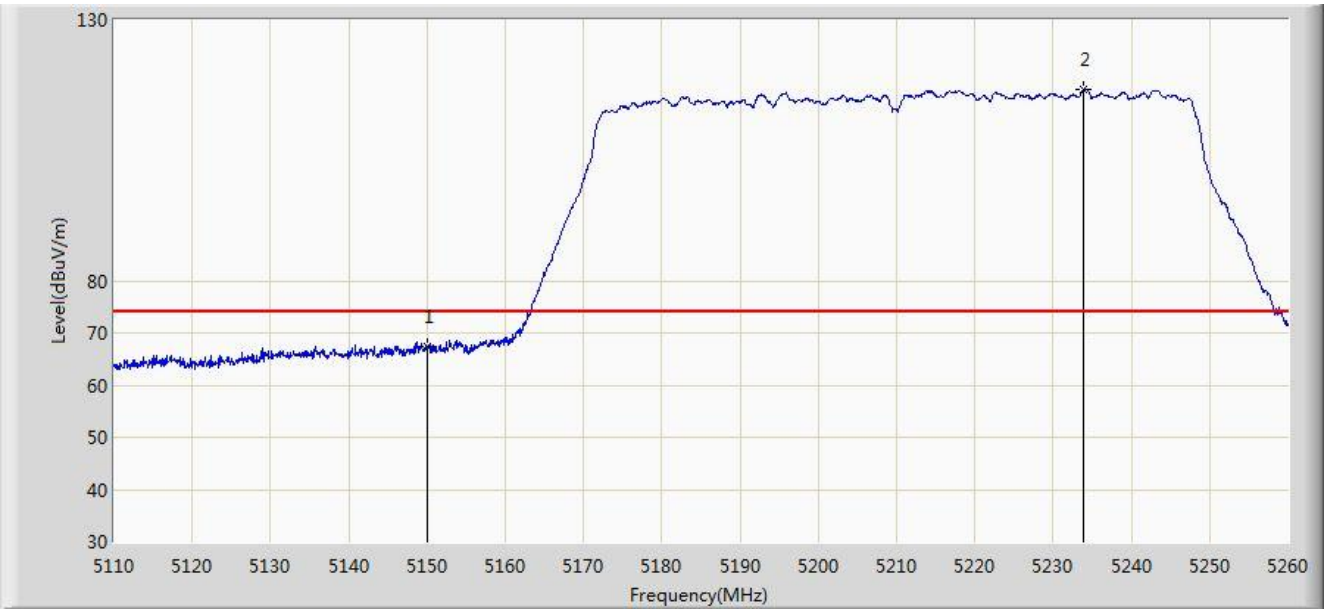


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5650.000	67.058	63.255	-6.942	74.000	3.803	PK
2			5700.000	85.254	81.314	-19.946	105.200	3.940	PK
3			5720.000	88.611	84.629	-22.189	110.800	3.982	PK
4			5725.000	89.421	85.315	-32.779	122.200	4.105	PK
5		*	5756.000	119.698	115.327	N/A	N/A	4.371	PK
6			5850.000	85.860	80.865	-36.340	122.200	4.995	PK
7			5855.000	84.202	79.214	-26.598	110.800	4.987	PK
8			5875.000	78.680	73.673	-26.520	105.200	5.008	PK
9			5925.000	69.676	64.524	-4.324	74.000	5.152	PK

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

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

Site: AC2	Time: 2017/02/28 - 14:33
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5210MHz + 5775MHz Ant 0 + 1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	67.502	64.432	-6.498	74.000	3.069	PK
2		*	5233.825	116.598	113.800	N/A	N/A	2.799	PK

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

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