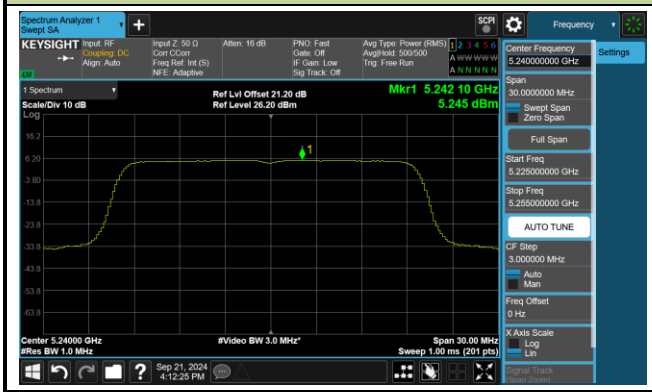
802.11ax-HE20 Power Spectral Density - Ant 3

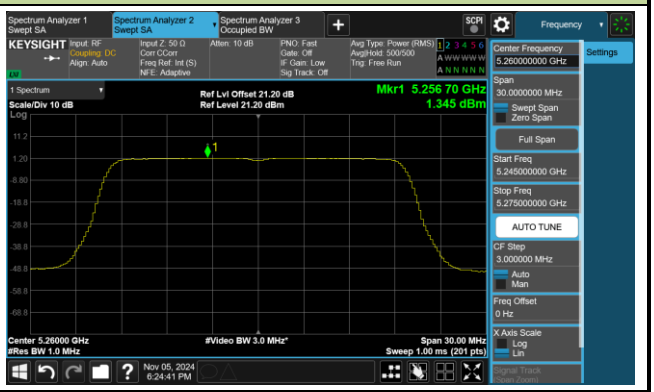
Channel 36 (5180MHz)

Channel 44 (5220MHz)

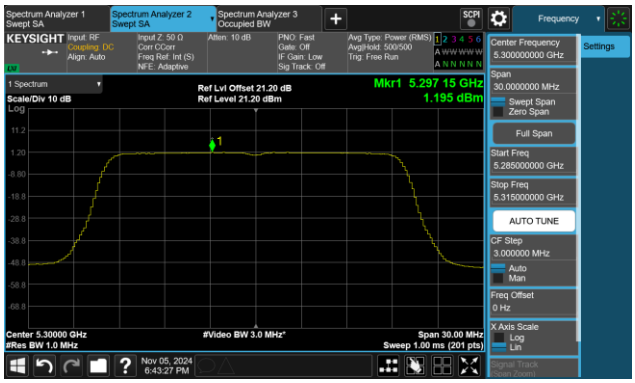
Channel 48 (5240MHz)



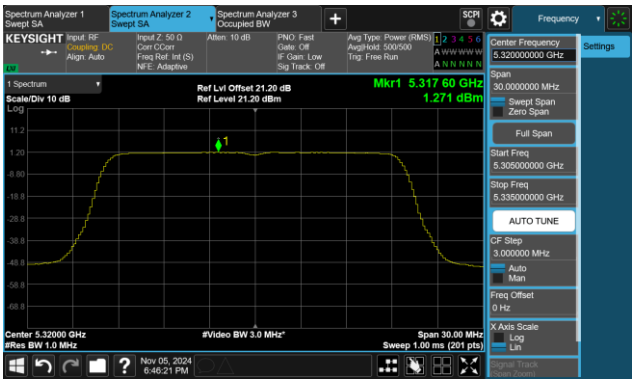
Channel 52 (5260MHz)



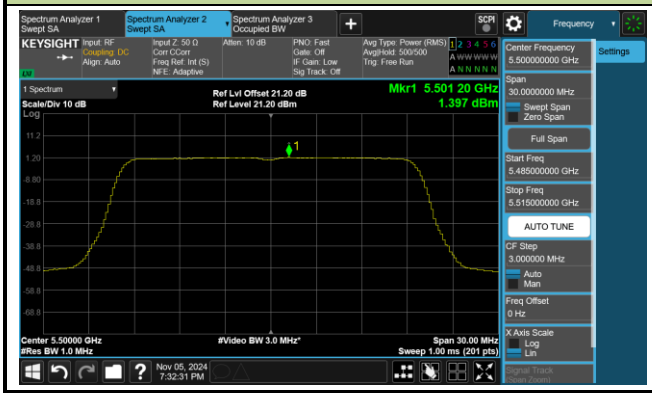
Channel 60 (5300MHz)



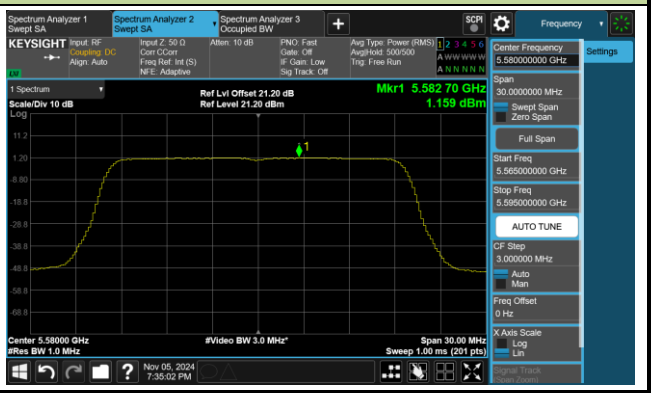
Channel 64 (5320MHz)

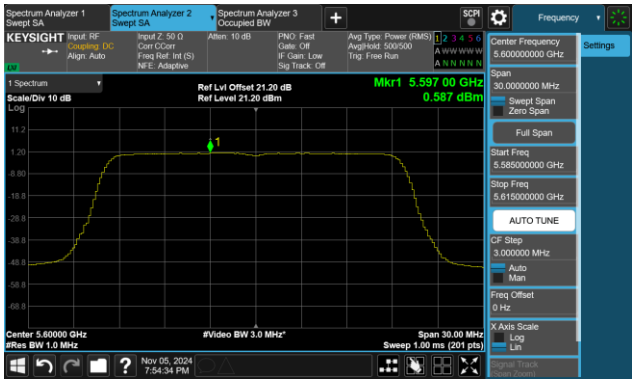
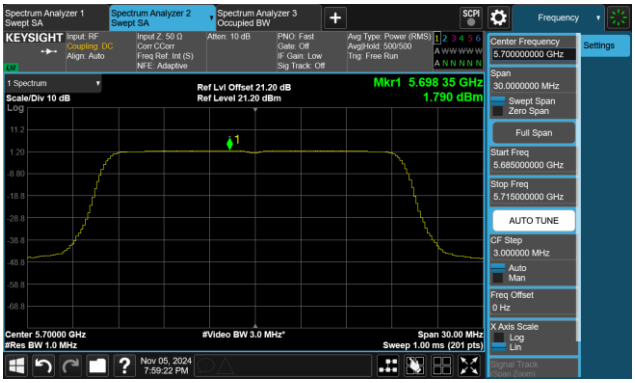
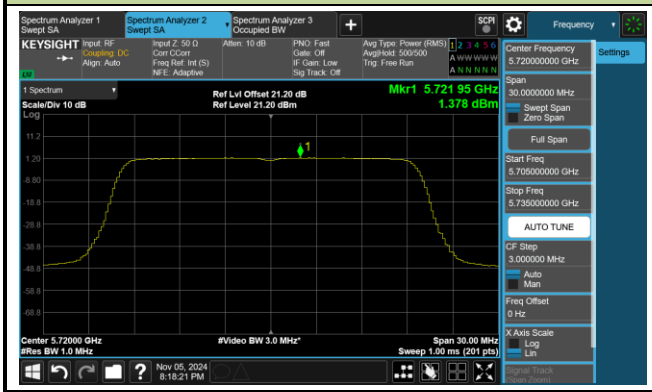
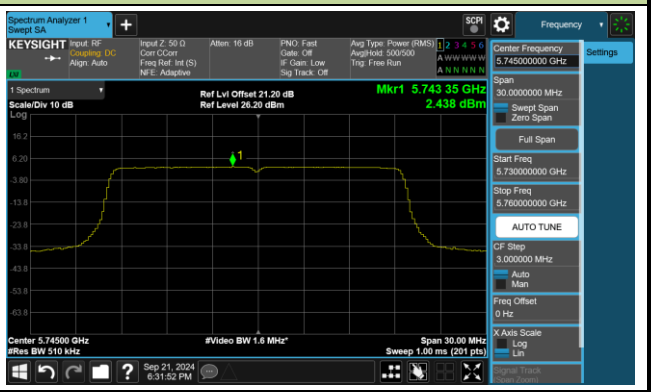


Channel 100 (5500MHz)



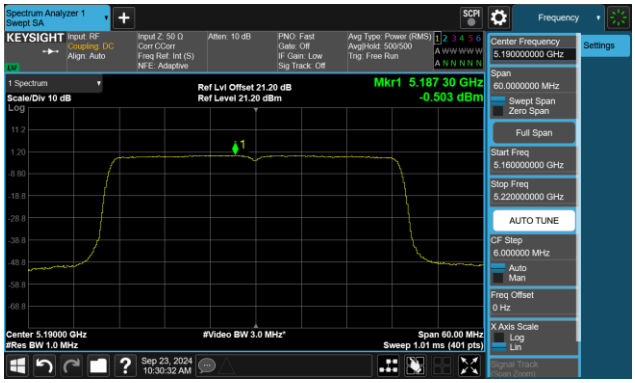
Channel 116 (5580MHz)



802.11ax-HE20 Power Spectral Density - Ant 3	
Channel 120 (5600MHz)	Channel 140 (5700MHz)
	
Channel 144 (5720MHz)	Channel 149 (5745MHz)
	
Channel 157 (5785MHz)	Channel 165 (5825MHz)

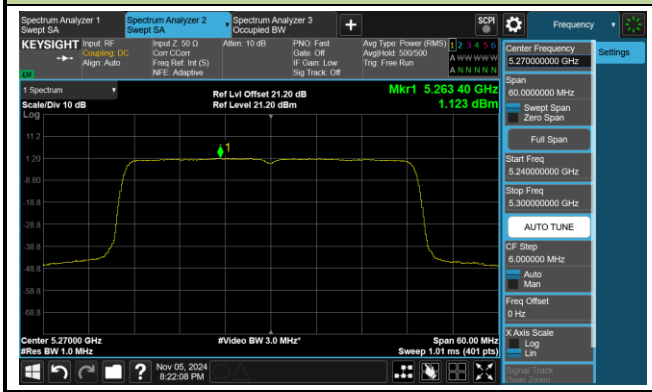
802.11ax-HE40 Power Spectral Density - Ant 3

Channel 38 (5190MHz)

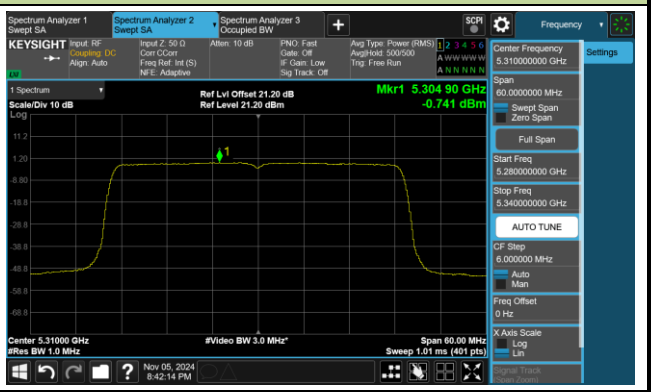


Channel 46 (5230MHz)

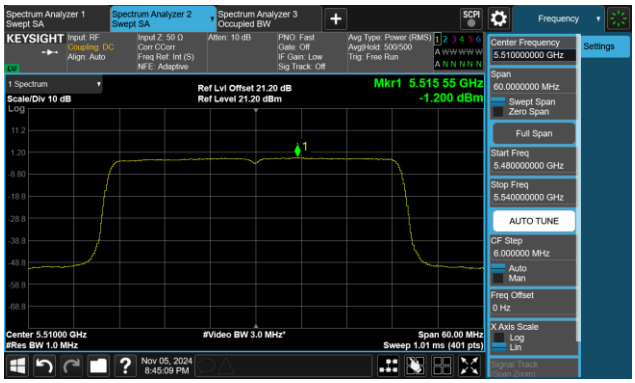
Channel 54 (5270MHz)



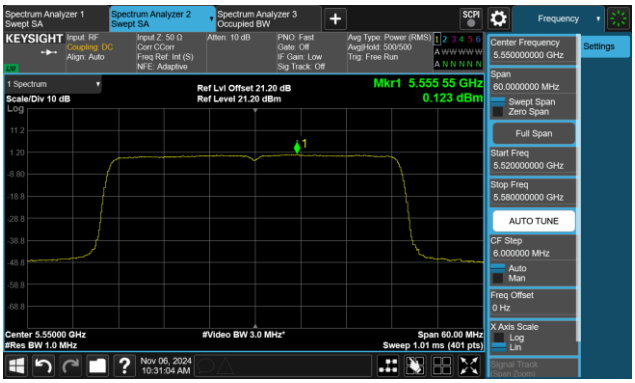
Channel 62 (5310MHz)



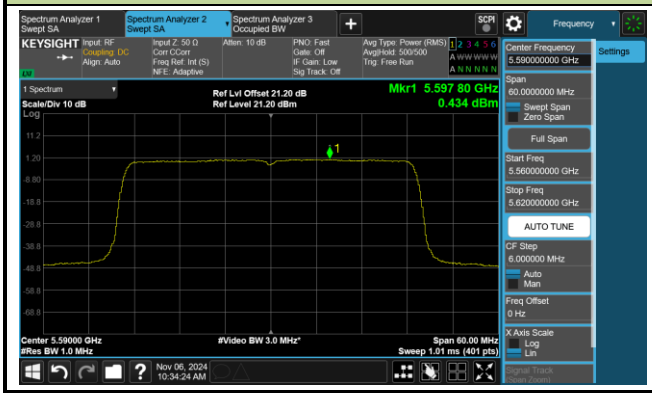
Channel 102 (5510MHz)



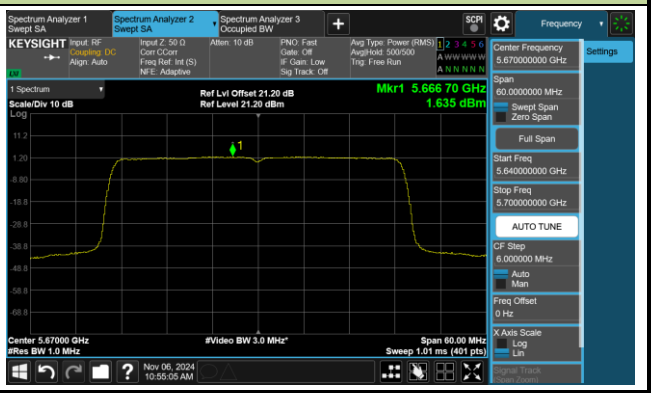
Channel 110 (5550MHz)

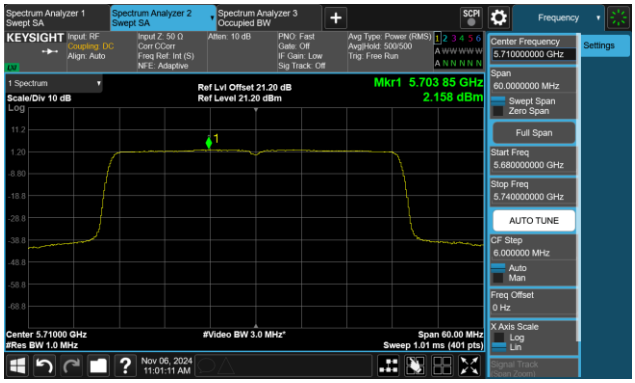
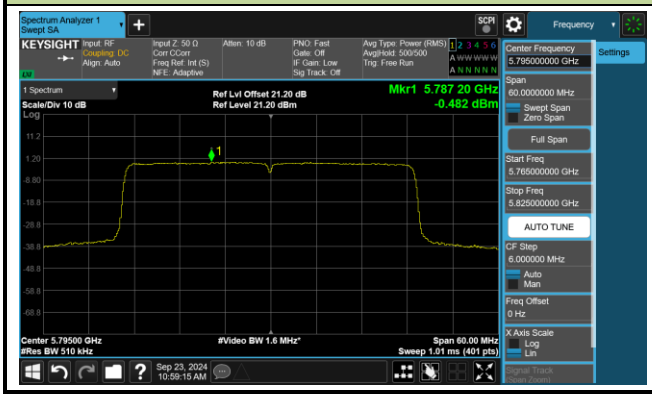


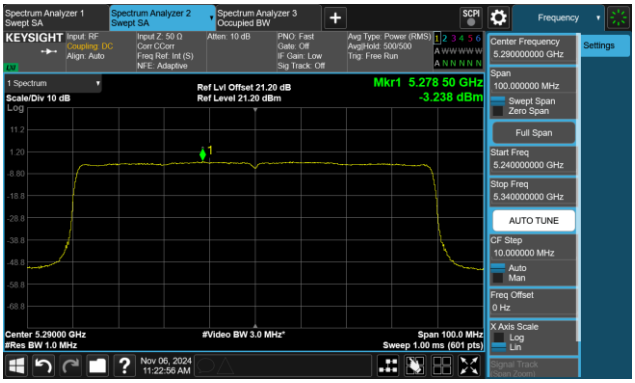
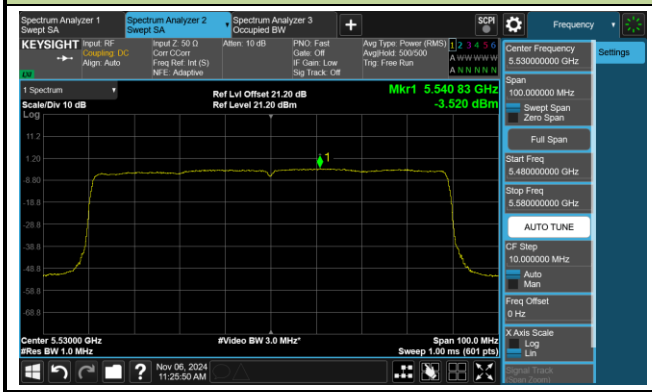
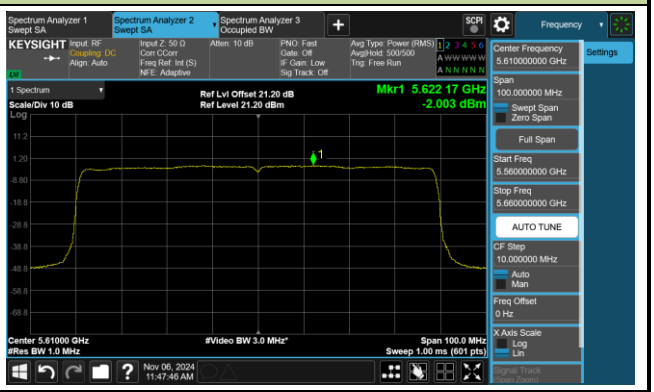
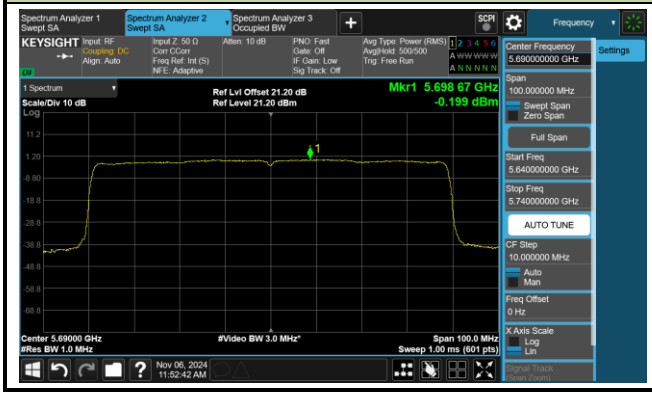
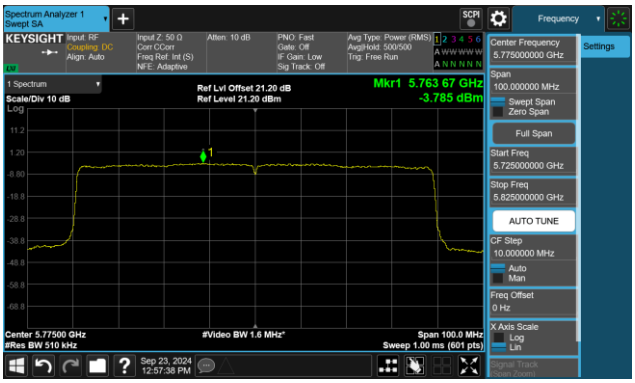
Channel 118 (5590MHz)

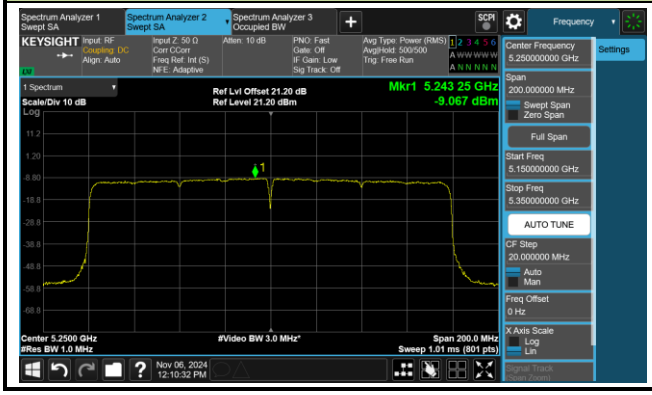
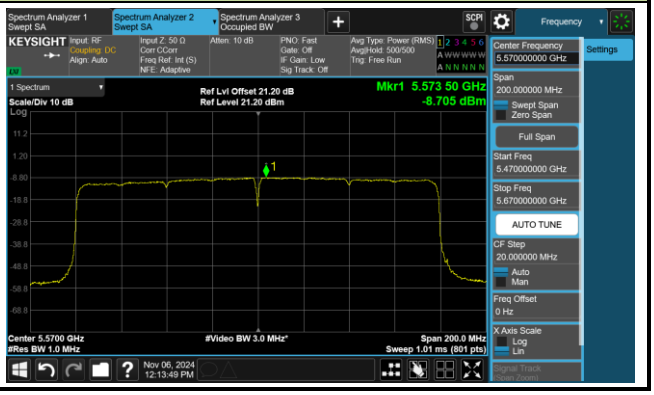


Channel 134 (5670MHz)



802.11ax-HE40 Power Spectral Density - Ant 3	
Channel 142 (5710MHz)	Channel 151 (5755MHz)
	
Channel 159 (5795MHz)	
	

802.11ax-HE80 Power Spectral Density - Ant 3	
Channel 42 (5210MHz)	Channel 58 (5290MHz)
	
Channel 106 (5530MHz)	Channel 122 (5610MHz)
	
Channel 138 (5690MHz)	Channel 155 (5775MHz)
	

802.11ax-HE160 Power Spectral Density - Ant 3	
Channel 50 (5250MHz)	Channel 114 (5570MHz)
	

A.6 Frequency Stability Test Result

Test Engineer	Simon Lu	Test Time	2024-09-29
Test Mode	5180MHz (Carrier Mode)	Test Site	WJ-TR1

Voltage (%)	Power (VAC)	Temp (°C)	Frequency Tolerance (ppm)
100%	120	+ 50	-7.96

Note: Frequency Tolerance (ppm) = {[Measured Frequency (MHz) - Declared Frequency (MHz)] / Declared Frequency (MHz)} * 10^6.

A.7 Radiated Spurious Emission Test Result

For Omni Antenna (AP-ANT-20W)

Product	ACCESS POINT	Test Engineer	Carl Jiang
Test Site	WJ-AC2	Test Date	2024-10-30 ~ 2024-11-09
Test Mode:	802.11a	Test Channel:	44
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10440.1	43.4	5.7	49.1	68.2	-19.1	Peak	Horizontal
	11494.1	42.8	5.3	48.1	74.0	-25.9	Peak	Horizontal
	12072.1	43.1	5.1	48.2	74.0	-25.8	Peak	Horizontal
*	13824.8	44.9	4.8	49.7	68.2	-18.5	Peak	Horizontal
*	10001.5	41.2	5.9	47.1	68.2	-21.1	Peak	Vertical
	11512.8	42.7	5.3	48.0	74.0	-26.0	Peak	Vertical
	12378.1	43.8	4.7	48.5	74.0	-25.5	Peak	Vertical
*	14540.5	46.0	5.8	51.8	68.2	-16.4	Peak	Vertical

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

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

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

Product	ACCESS POINT	Test Engineer	Carl Jiang
Test Site	WJ-AC2	Test Date	2024-10-30 ~ 2024-11-11
Test Mode:	802.11ax-HE40	Test Channel:	151
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10220.8	40.9	6.0	46.9	68.2	-21.3	Peak	Horizontal
	10883.8	43.4	5.1	48.5	74.0	-25.5	Peak	Horizontal
	11864.7	42.8	4.9	47.7	74.0	-26.3	Peak	Horizontal
*	14095.1	46.2	5.5	51.7	68.2	-16.5	Peak	Horizontal
*	10205.5	40.7	5.9	46.6	68.2	-21.6	Peak	Vertical
	11001.1	42.4	5.1	47.5	74.0	-26.5	Peak	Vertical
	12070.4	43.6	5.1	48.7	74.0	-25.3	Peak	Vertical
*	17277.5	50.0	3.0	53.0	68.2	-15.2	Peak	Vertical

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

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

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

Product	ACCESS POINT	Test Engineer	Carl Jiang
Test Site	WJ-AC2	Test Date	2024-10-30 ~ 2024-11-11
Test Mode:	802.11ax-HE80	Test Channel:	138
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9868.9	40.7	6.2	46.9	68.2	-21.3	Peak	Horizontal
	11380.2	42.4	5.5	47.9	74.0	-26.1	Peak	Horizontal
	11976.9	44.7	5.2	49.9	74.0	-24.1	Peak	Horizontal
*	14027.1	45.1	5.5	50.6	68.2	-17.6	Peak	Horizontal
*	10084.8	41.1	5.9	47.0	68.2	-21.2	Peak	Vertical
	11621.6	43.4	5.0	48.4	74.0	-25.6	Peak	Vertical
*	14771.7	47.8	5.7	53.5	68.2	-14.7	Peak	Vertical
	17780.7	35.3	4.3	39.6	54.0	-14.4	Average	Vertical
	17780.7	48.9	4.3	53.2	74.0	-20.8	Peak	Vertical

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

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

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

Product	ACCESS POINT	Test Engineer	Carl Jiang
Test Site	WJ-AC2	Test Date	2024-10-30 ~ 2024-11-11
Test Mode:	802.11ax-HE160	Test Channel:	114
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10217.4	40.4	6.0	46.4	68.2	-21.8	Peak	Horizontal
	11375.1	42.0	5.5	47.5	74.0	-26.5	Peak	Horizontal
	12288.0	44.0	5.0	49.0	74.0	-25.0	Peak	Horizontal
*	14096.8	45.4	5.5	50.9	68.2	-17.3	Peak	Horizontal
*	10455.4	41.0	5.6	46.6	68.2	-21.6	Peak	Vertical
	11227.2	42.7	5.3	48.0	74.0	-26.0	Peak	Vertical
	12247.2	43.5	4.8	48.3	74.0	-25.7	Peak	Vertical
*	14771.7	46.8	5.7	52.5	68.2	-15.7	Peak	Vertical

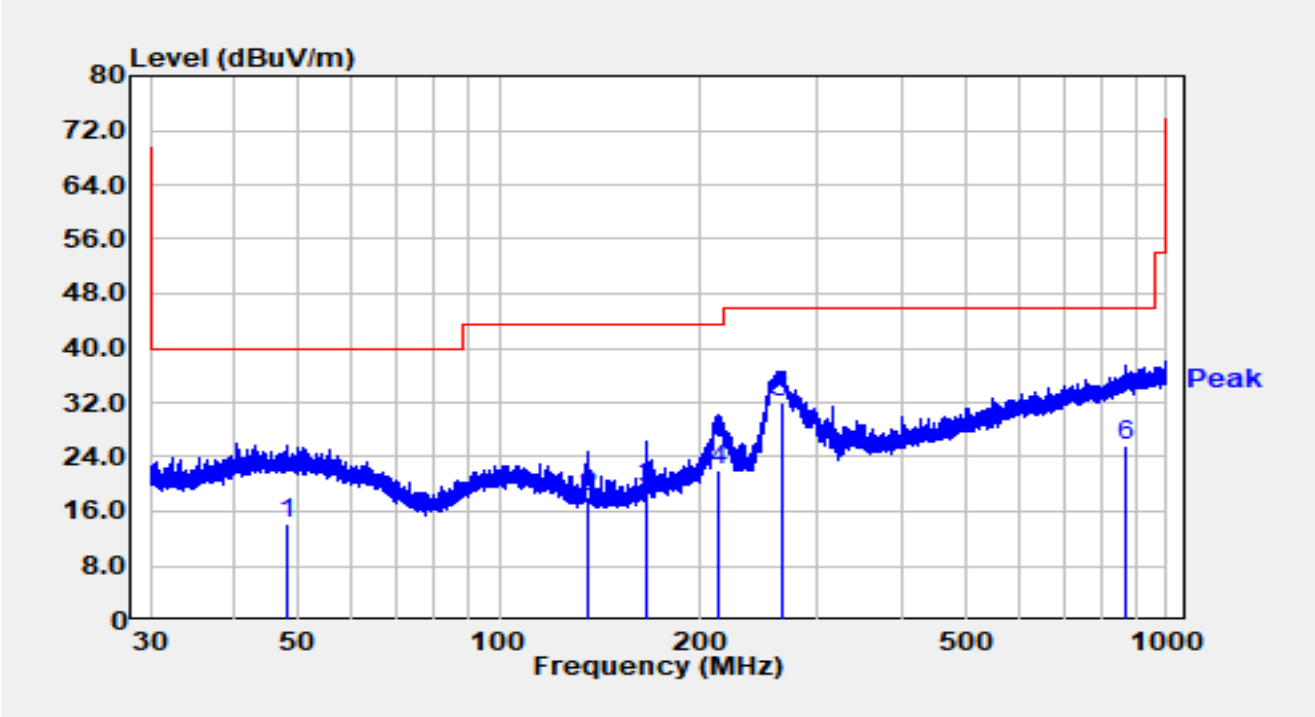
Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

The Worst Case of Radiated Emission below 1GHz:

Site	WJ-AC2	Test Date	2024-10-30
Test Engineer	Carl Jiang	Temp./Humidity	22.3°C /67.5%
Factor	AC2 VULB 9163 25-1000MHz	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE20 at 5240MHz		

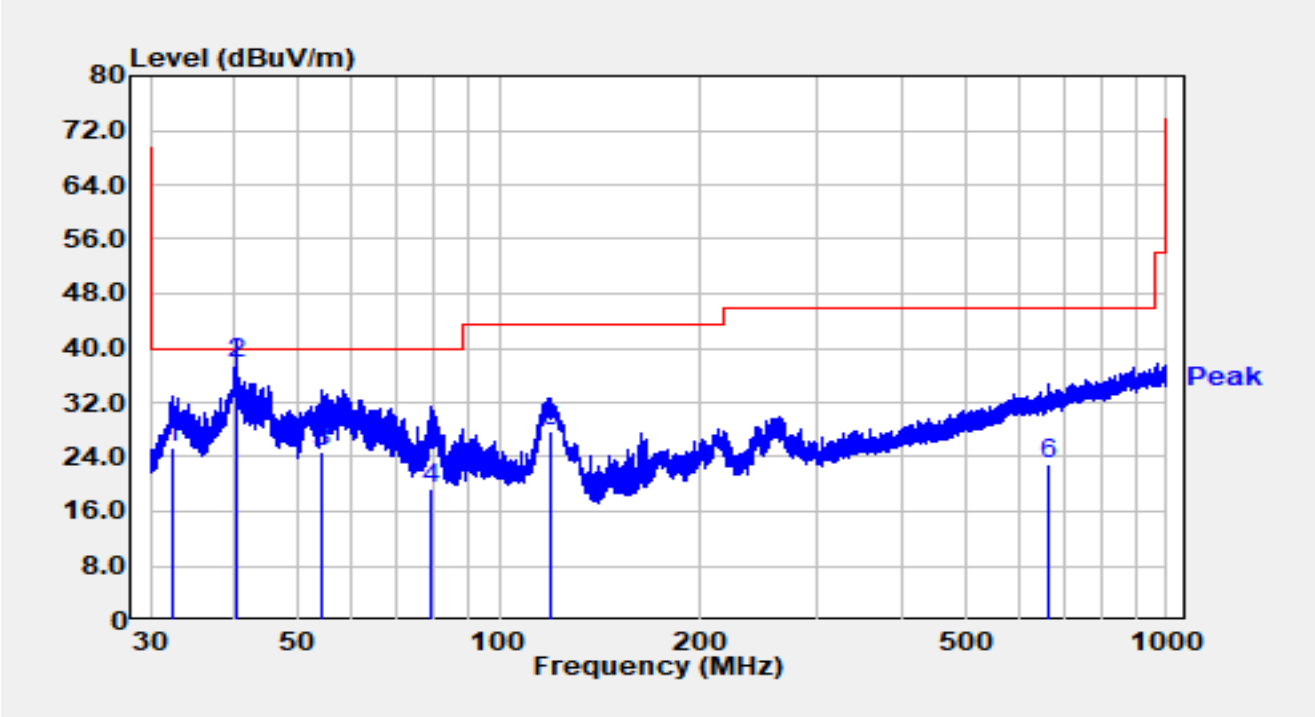


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		47.910	-5.20	19.50	14.30	-25.70	40.00	QP
2		135.459	4.30	13.84	18.14	-25.36	43.50	QP
3		166.418	4.60	14.78	19.38	-24.12	43.50	QP
4		213.913	4.60	17.36	21.96	-21.54	43.50	QP
5	*	264.375	12.80	19.23	32.03	-13.97	46.00	QP
6		871.266	-3.80	29.31	25.51	-20.49	46.00	QP

Notes:

1. " * ", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m)+ Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).
4. Quasi-Peak measurement was not performed when peak measure level was lower than the quasi-peak limit.
5. The amplitude of radiated emissions (frequency range from 9kHz to 30MHz and 18GHz to 40GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

Site	WJ-AC2	Test Date	2024-10-30
Test Engineer	Carl Jiang	Temp./Humidity	22.3°C /67.5%
Factor	AC2 VULB 9163 25-1000MHz	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE20 at 5240MHz		



No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		32.270	8.90	16.36	25.26	-14.74	40.00	QP
2	*	40.361	19.10	18.53	37.63	-2.37	40.00	QP
3		54.318	5.60	19.13	24.73	-15.27	40.00	QP
4		78.744	5.90	13.32	19.22	-20.78	40.00	QP
5		119.018	12.00	15.81	27.81	-15.69	43.50	QP
6		663.706	-3.80	26.86	23.06	-22.94	46.00	QP

Notes:

1. " * ", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m)+ Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).
4. Quasi-Peak measurement was not performed when peak measure level was lower than the quasi-peak limit.
5. The amplitude of radiated emissions (frequency range from 9kHz to 30MHz and 18GHz to 40GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

For Omni Antenna (AP-ANT-19)

Product	ACCESS POINT	Test Engineer	Carl Jiang
Test Site	WJ-AC2	Test Date	2024-10-30 ~ 2024-11-11
Test Mode:	802.11a	Test Channel:	36
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8801.3	41.1	6.3	47.4	68.2	-20.8	Peak	Horizontal
*	10044.0	40.8	6.0	46.8	68.2	-21.4	Peak	Horizontal
	11441.4	42.7	5.3	48.0	74.0	-26.0	Peak	Horizontal
	15603.0	44.3	6.0	50.3	74.0	-23.7	Peak	Horizontal
*	8707.8	38.9	6.2	45.1	68.2	-23.1	Peak	Vertical
*	9950.5	39.5	6.1	45.6	68.2	-22.6	Peak	Vertical
	11439.7	42.2	5.3	47.5	74.0	-26.5	Peak	Vertical
	15705.0	44.7	6.2	50.9	74.0	-23.1	Peak	Vertical

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

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

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

Product	ACCESS POINT	Test Engineer	Carl Jiang
Test Site	WJ-AC2	Test Date	2024-10-30 ~ 2024-11-11
Test Mode:	802.11ax-HE40	Test Channel:	134
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	15594.5	42.8	5.9	48.7	74.0	-25.3	Peak	Horizontal
	16009.3	43.0	6.4	49.4	74.0	-24.6	Peak	Horizontal
*	16781.1	47.4	4.1	51.5	68.2	-16.7	Peak	Horizontal
*	17292.8	47.9	3.2	51.1	68.2	-17.1	Peak	Horizontal
	15771.3	44.3	6.4	50.7	74.0	-23.3	Peak	Vertical
	15885.2	32.6	6.3	38.9	54.0	-15.1	Average	Vertical
	15885.2	44.9	6.3	51.2	74.0	-22.8	Peak	Vertical
*	16740.3	47.1	4.1	51.2	68.2	-17.0	Peak	Vertical
*	17559.7	46.8	3.9	50.7	68.2	-17.5	Peak	Vertical

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

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

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

Product	ACCESS POINT	Test Engineer	Carl Jiang
Test Site	WJ-AC2	Test Date	2024-10-30 ~ 2024-11-11
Test Mode:	802.11ax-HE80	Test Channel:	138
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	13369.2	41.7	5.2	46.9	74.0	-27.1	Peak	Horizontal
	15820.6	33.1	6.4	39.5	54.0	-14.5	Average	Horizontal
	15820.6	45.4	6.4	51.8	74.0	-22.2	Peak	Horizontal
*	16417.3	44.2	5.1	49.3	68.2	-18.9	Peak	Horizontal
*	16757.3	45.7	4.2	49.9	68.2	-18.3	Peak	Horizontal
	15594.5	42.5	5.9	48.4	74.0	-25.6	Peak	Vertical
	15723.7	42.2	6.1	48.3	74.0	-25.7	Peak	Vertical
*	16653.6	43.9	4.3	48.2	68.2	-20.0	Peak	Vertical
*	17245.2	45.7	3.2	48.9	68.2	-19.3	Peak	Vertical

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

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

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

Product	ACCESS POINT	Test Engineer	Carl Jiang
Test Site	WJ-AC2	Test Date	2024-10-30 ~ 2024-11-11
Test Mode:	802.11ax-HE160	Test Channel:	114
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	15594.5	42.1	5.9	48.0	74.0	-26.0	Peak	Horizontal
	15919.2	42.3	6.3	48.6	74.0	-25.4	Peak	Horizontal
*	16551.6	43.7	4.8	48.5	68.2	-19.7	Peak	Horizontal
*	17495.1	45.8	3.6	49.4	68.2	-18.8	Peak	Horizontal
	15659.1	42.1	6.1	48.2	74.0	-25.8	Peak	Vertical
	15852.9	42.7	6.3	49.0	74.0	-25.0	Peak	Vertical
*	16483.6	43.4	5.0	48.4	68.2	-19.8	Peak	Vertical
*	17280.9	46.4	3.0	49.4	68.2	-18.8	Peak	Vertical

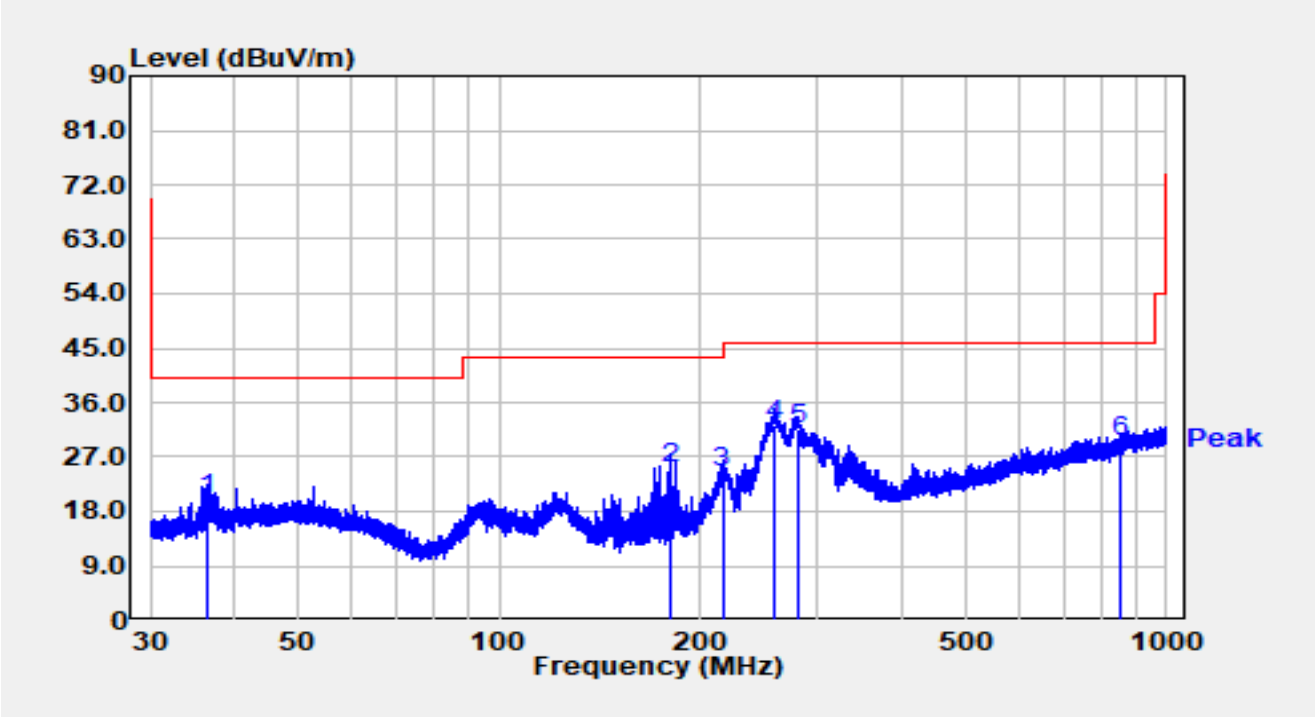
Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

The Worst Case of Radiated Emission below 1GHz:

Site	WJ-AC2	Test Date	2024-10-30
Test Engineer	Carl Jiang	Temp./Humidity	22.3°C /67.5%
Factor	AC2 VULB 9163 25-1000MHz	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE20 at 5240MHz		

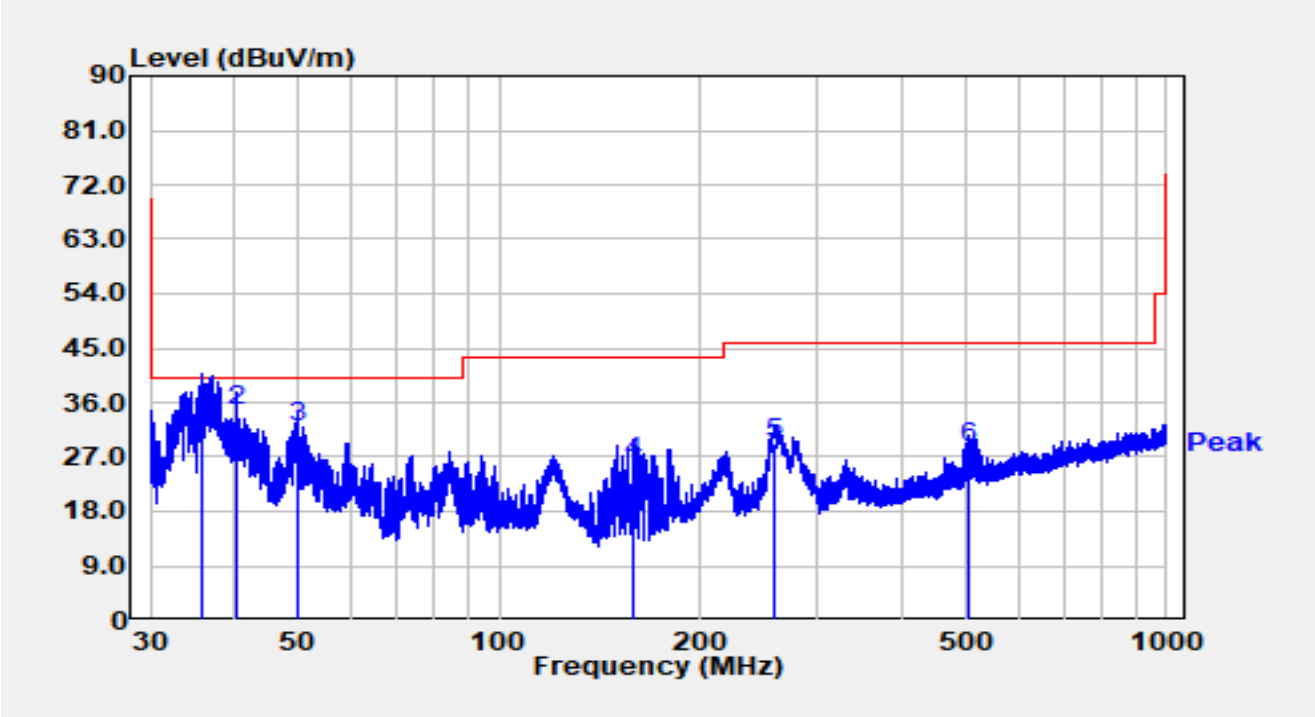


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		36.625	2.64	17.50	20.14	-19.86	40.00	QP
2		179.890	9.64	15.56	25.20	-18.30	43.50	QP
3		215.948	7.12	17.44	24.56	-18.94	43.50	QP
4	*	259.325	13.12	19.15	32.27	-13.73	46.00	QP
5		279.828	12.12	19.57	31.69	-14.31	46.00	QP
6		854.320	0.54	29.05	29.59	-16.41	46.00	QP

Notes:

1. " * ", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m)+ Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).
4. Quasi-Peak measurement was not performed when peak measure level was lower than the quasi-peak limit.
5. The amplitude of radiated emissions (frequency range from 9kHz to 30MHz and 18GHz to 40GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

Site	WJ-AC2	Test Date	2024-10-30
Test Engineer	Carl Jiang	Temp./Humidity	22.3°C /67.5%
Factor	AC2 VULB 9163 25-1000MHz	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE20 at 5240MHz		



No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		35.746	14.10	17.19	31.29	-8.71	40.00	QP
2	*	40.350	16.20	18.53	34.73	-5.27	40.00	QP
3		49.864	12.31	19.48	31.79	-8.21	40.00	QP
4		158.940	11.69	14.39	26.08	-17.42	43.50	QP
5		258.598	10.24	19.13	29.37	-16.63	46.00	QP
6		502.940	4.21	24.22	28.43	-17.57	46.00	QP

Notes:

1. " * ", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m)+ Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).
4. Quasi-Peak measurement was not performed when peak measure level was lower than the quasi-peak limit.
5. The amplitude of radiated emissions (frequency range from 9kHz to 30MHz and 18GHz to 40GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

For Directional Antenna (AP-ANT-48)

Product	ACCESS POINT	Test Engineer	Carl Jiang
Test Site	WJ-AC2	Test Date	2024-11-09
Test Mode:	802.11ax-HE20	Test Channel:	144
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10253.1	41.0	5.9	46.9	68.2	-21.3	Peak	Horizontal
	11482.2	42.3	5.4	47.7	74.0	-26.3	Peak	Horizontal
	12046.6	44.1	5.2	49.3	74.0	-24.7	Peak	Horizontal
*	14069.6	45.9	5.4	51.3	68.2	-16.9	Peak	Horizontal
*	10174.9	40.8	5.9	46.7	68.2	-21.5	Peak	Vertical
	11444.8	42.1	5.3	47.4	74.0	-26.6	Peak	Vertical
	12197.9	42.9	5.0	47.9	74.0	-26.1	Peak	Vertical
*	14771.7	49.8	5.7	55.5	68.2	-12.7	Peak	Vertical

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

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

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

Product	ACCESS POINT	Test Engineer	Carl Jiang
Test Site	WJ-AC2	Test Date	2024-11-09
Test Mode:	802.11ax-HE40	Test Channel:	62
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10137.5	40.9	5.8	46.7	68.2	-21.5	Peak	Horizontal
	11342.8	42.0	5.5	47.5	74.0	-26.5	Peak	Horizontal
	12048.3	43.5	5.2	48.7	74.0	-25.3	Peak	Horizontal
*	13892.8	44.7	5.0	49.7	68.2	-18.5	Peak	Horizontal
*	10234.4	41.1	5.9	47.0	68.2	-21.2	Peak	Vertical
	11431.2	42.0	5.4	47.4	74.0	-26.6	Peak	Vertical
	12063.6	42.8	5.1	47.9	74.0	-26.1	Peak	Vertical
*	14771.7	50.1	5.7	55.8	68.2	-12.4	Peak	Vertical

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

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

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

Product	ACCESS POINT	Test Engineer	Carl Jiang
Test Site	WJ-AC2	Test Date	2024-11-09
Test Mode:	802.11ax-HE80	Test Channel:	58
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10200.4	40.6	5.9	46.5	68.2	-21.7	Peak	Horizontal
	11999.0	43.0	5.1	48.1	74.0	-25.9	Peak	Horizontal
	12543.0	45.4	5.2	50.6	74.0	-23.4	Peak	Horizontal
*	14096.8	44.9	5.5	50.4	68.2	-17.8	Peak	Horizontal
*	10084.8	41.9	5.9	47.8	68.2	-20.4	Peak	Vertical
	11412.5	41.9	5.5	47.4	74.0	-26.6	Peak	Vertical
	12286.3	44.1	5.0	49.1	74.0	-24.9	Peak	Vertical
*	14771.7	48.8	5.7	54.5	68.2	-13.7	Peak	Vertical

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

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

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

Product	ACCESS POINT	Test Engineer	Carl Jiang
Test Site	WJ-AC2	Test Date	2024-11-09
Test Mode:	802.11ac-VHT160	Test Channel:	50
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	11353.0	41.7	5.5	47.2	74.0	-26.8	Peak	Horizontal
	11915.7	44.4	4.9	49.3	74.0	-24.7	Peak	Horizontal
*	14047.5	45.1	5.4	50.5	68.2	-17.7	Peak	Horizontal
*	15103.2	46.7	5.8	52.5	68.2	-15.7	Peak	Horizontal
*	10212.3	40.7	6.0	46.7	68.2	-21.5	Peak	Vertical
	11647.1	42.7	4.9	47.6	74.0	-26.4	Peak	Vertical
	12112.9	43.4	5.0	48.4	74.0	-25.6	Peak	Vertical
*	14771.7	50.3	5.7	56.0	68.2	-12.2	Peak	Vertical

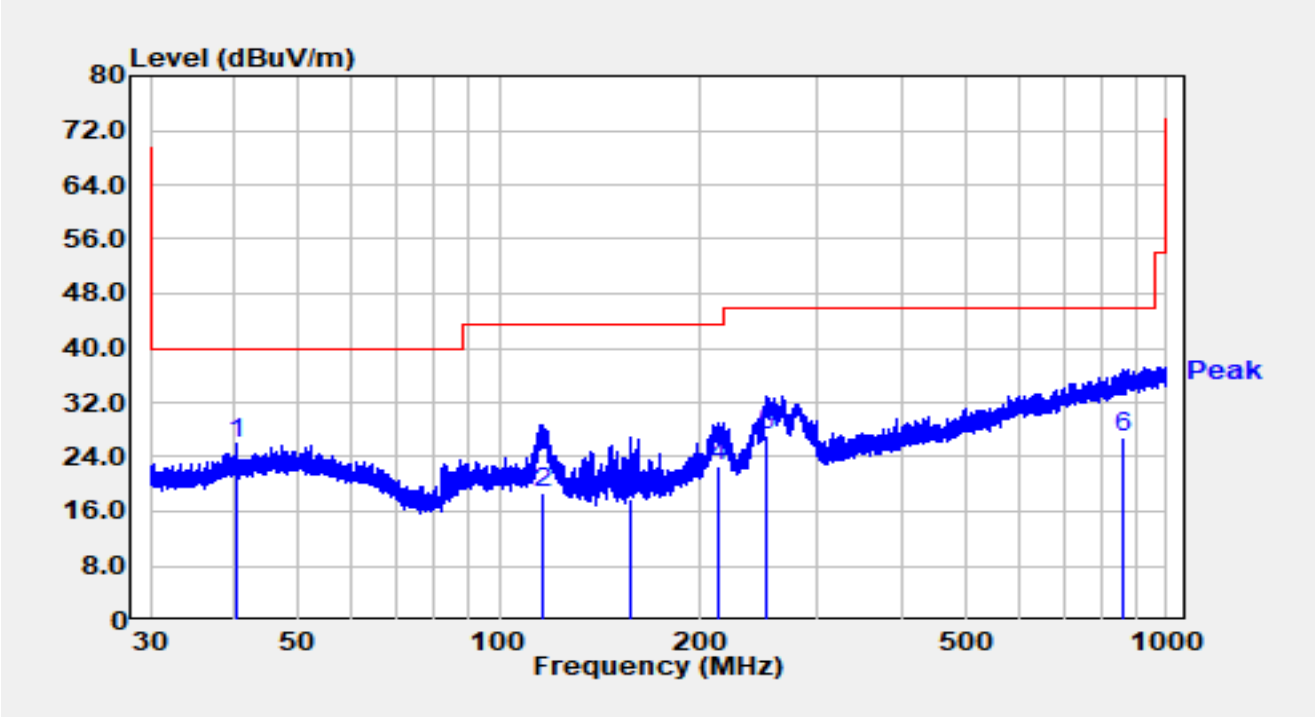
Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

The Worst Case of Radiated Emission below 1GHz:

Site	WJ-AC2	Test Date	2024-10-30
Test Engineer	Carl Jiang	Temp./Humidity	22.3°C /67.5%
Factor	AC2 VULB 9163 25-1000MHz	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE20 at 5240MHz		

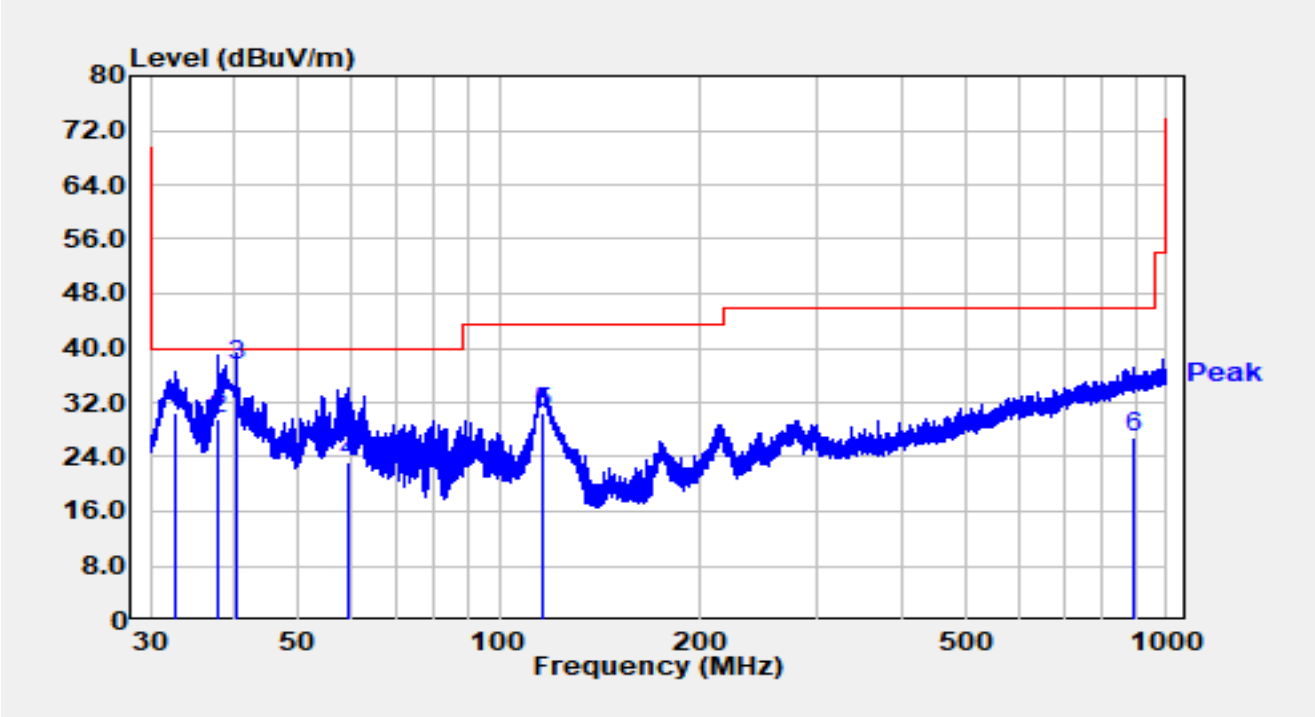


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	40.332	7.38	18.53	25.90	-14.10	40.00	Peak
2		115.766	2.20	16.39	18.59	-24.91	43.50	QP
3		157.007	3.60	14.28	17.88	-25.62	43.50	QP
4		212.717	5.30	17.32	22.62	-20.88	43.50	QP
5		250.301	8.40	18.92	27.32	-18.68	46.00	QP
6		863.662	-2.30	29.19	26.89	-19.11	46.00	QP

Notes:

1. " * ", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m)+ Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).
4. Quasi-Peak measurement was not performed when peak measure level was lower than the quasi-peak limit.
5. The amplitude of radiated emissions (frequency range from 9kHz to 30MHz and 18GHz to 40GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

Site	WJ-AC2	Test Date	2024-10-30
Test Engineer	Carl Jiang	Temp./Humidity	22.3°C /67.5%
Factor	AC2 VULB 9163 25-1000MHz	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE20 at 5240MHz		



No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		32.726	14.10	16.41	30.51	-9.49	40.00	QP
2		37.958	11.60	17.88	29.48	-10.52	40.00	QP
3	*	40.346	19.00	18.53	37.53	-2.47	40.00	QP
4		59.649	5.20	17.92	23.12	-16.88	40.00	QP
5		116.458	14.30	16.27	30.57	-12.93	43.50	QP
6		891.978	-2.60	29.57	26.97	-19.03	46.00	QP

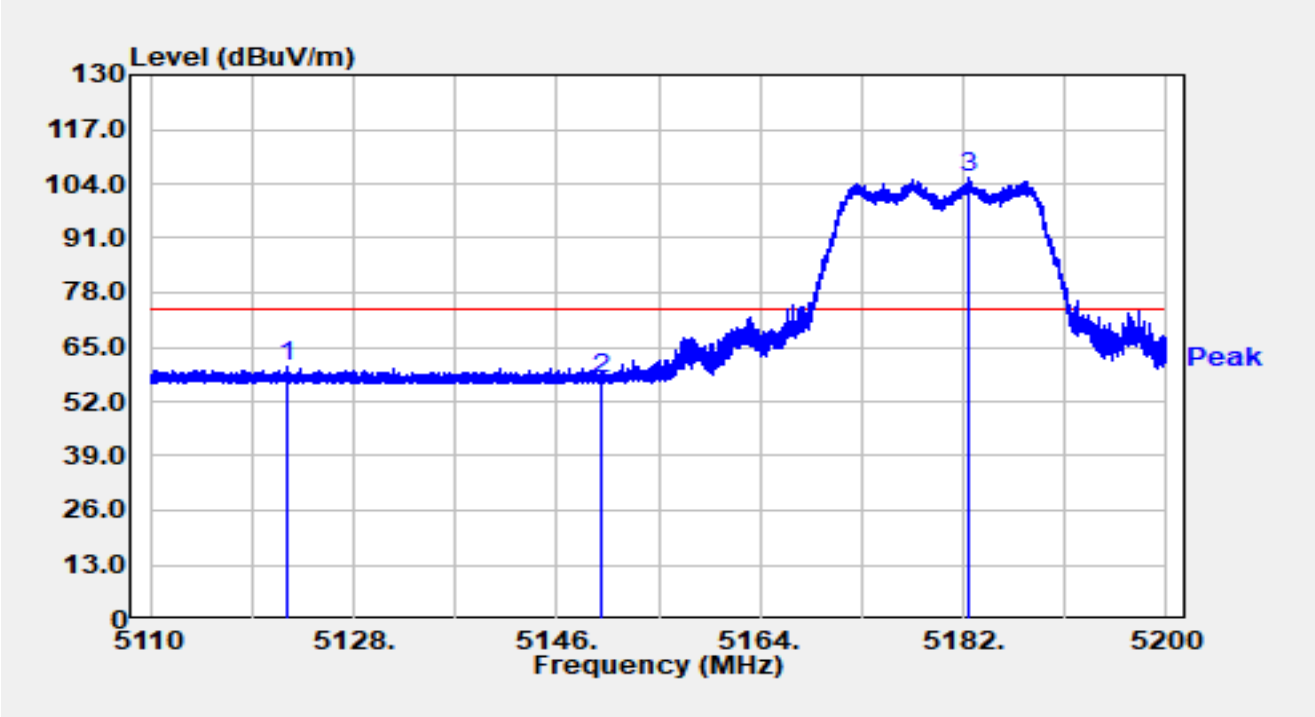
Notes:

1. " * ", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m)+ Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).
4. Quasi-Peak measurement was not performed when peak measure level was lower than the quasi-peak limit.
5. The amplitude of radiated emissions (frequency range from 9kHz to 30MHz and 18GHz to 40GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

A.8 Radiated Restricted Band Edge Test Result

For Omni Antenna (AP-ANT-20W):

Site	WJ-AC2	Test Date	2024-10-30
Test Engineer	Carl Jiang	Temp./Humidity	22.3°C /63.0%
Factor	AC2 DRH18-E 1-18G	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ac-VHT20 at 5180MHz		

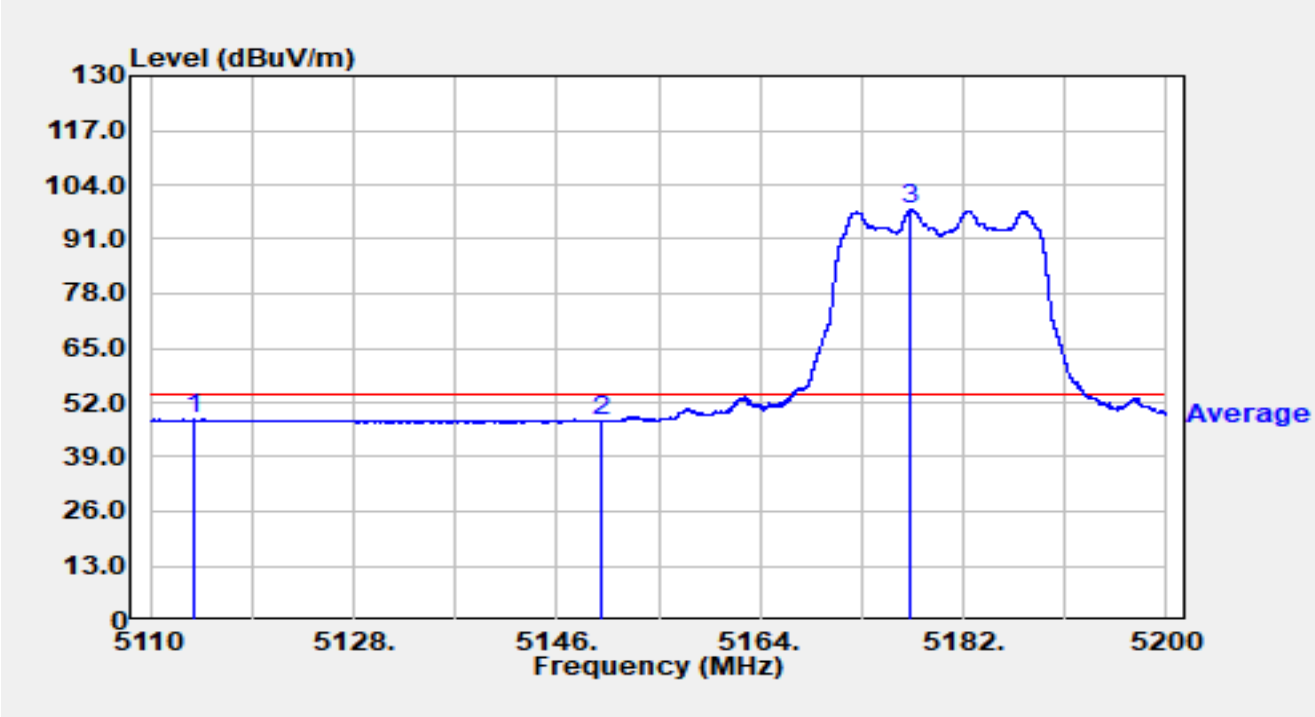


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		5122.222	44.12	16.06	60.18	-13.82	74.00	Peak
2		5150.000	41.50	16.00	57.49	-16.51	74.00	Peak
3	*	5182.360	89.42	15.92	105.34	N/A	N/A	Peak

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + 16dB Attenuation (dB) - AMP (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2024-10-30
Test Engineer	Carl Jiang	Temp./Humidity	22.3°C /63.0%
Factor	AC2 DRH18-E 1-18G	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ac-VHT20 at 5180MHz		



No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		5113.906	31.72	16.15	47.87	-6.13	54.00	Average
2		5150.000	31.53	16.00	47.52	-6.48	54.00	Average
3	*	5177.392	82.05	15.95	98.00	N/A	N/A	Average

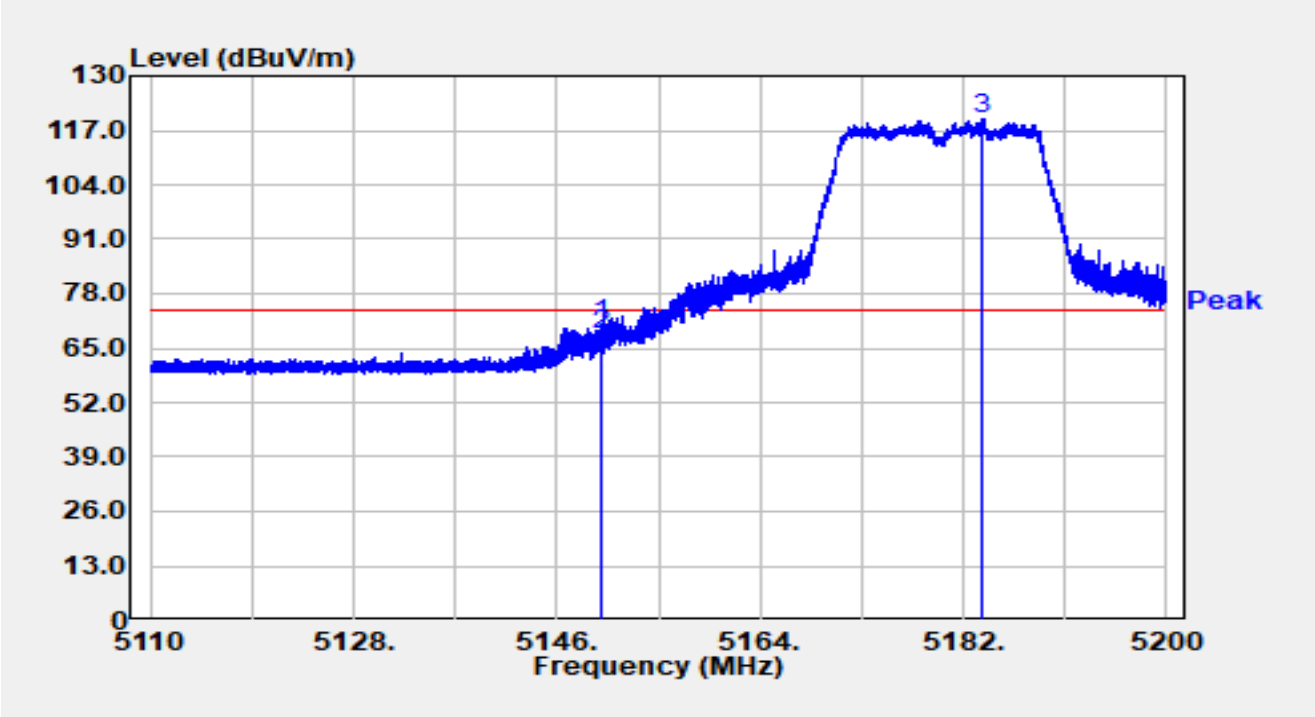
Notes:

1. " *", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + 16dB Attenuation (dB) - AMP (dB).

3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2024-10-30
Test Engineer	Carl Jiang	Temp./Humidity	22.3°C /63.0%
Factor	AC2 DRH18-E 1-18G	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ac-VHT20 at 5180MHz		



No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		5149.960	54.69	16.00	70.68	-3.32	74.00	Peak
2		5150.000	52.15	16.00	68.15	-5.85	74.00	Peak
3	*	5183.701	103.68	15.93	119.61	N/A	N/A	Peak

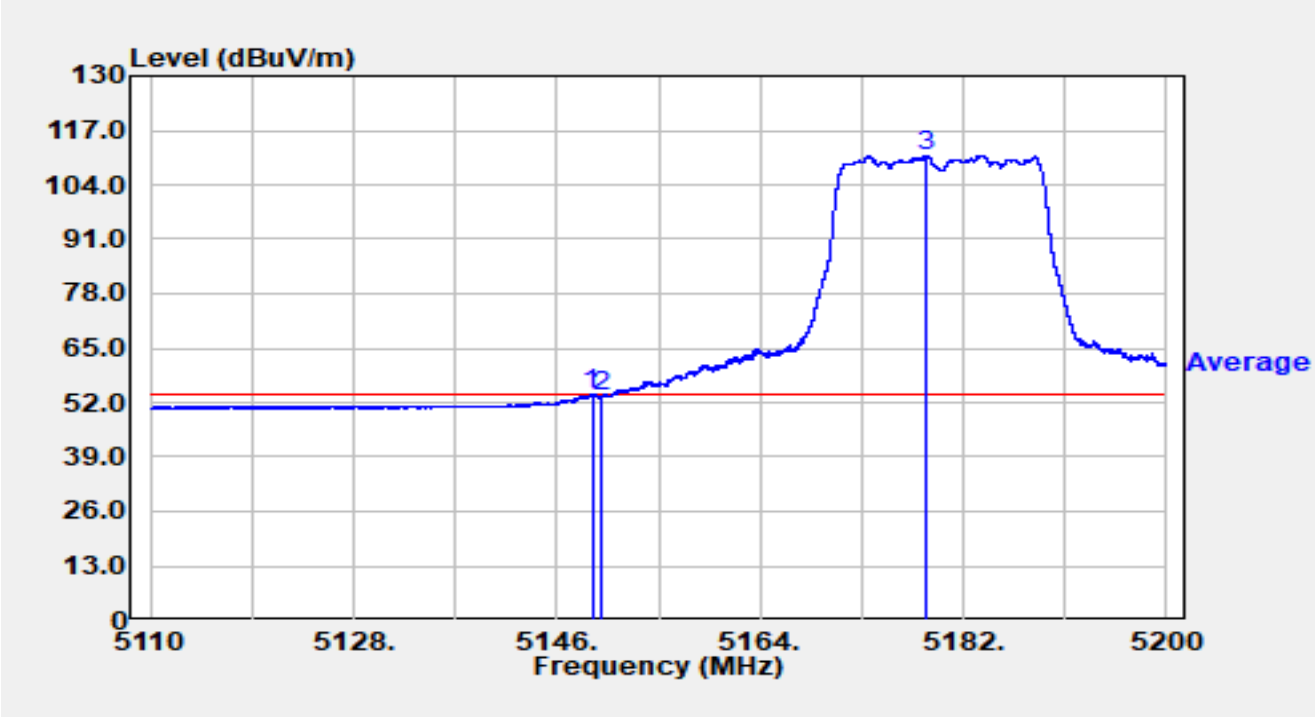
Notes:

1. " *", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + 16dB Attenuation (dB) - AMP (dB).

3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2024-10-30
Test Engineer	Carl Jiang	Temp./Humidity	22.3°C /63.0%
Factor	AC2 DRH18-E 1-18G	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ac-VHT20 at 5180MHz		



No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		5149.114	37.93	16.00	53.93	-0.07	54.00	Average
2		5150.000	37.25	16.00	53.25	-0.75	54.00	Average
3	*	5178.643	95.07	15.94	111.01	N/A	N/A	Average

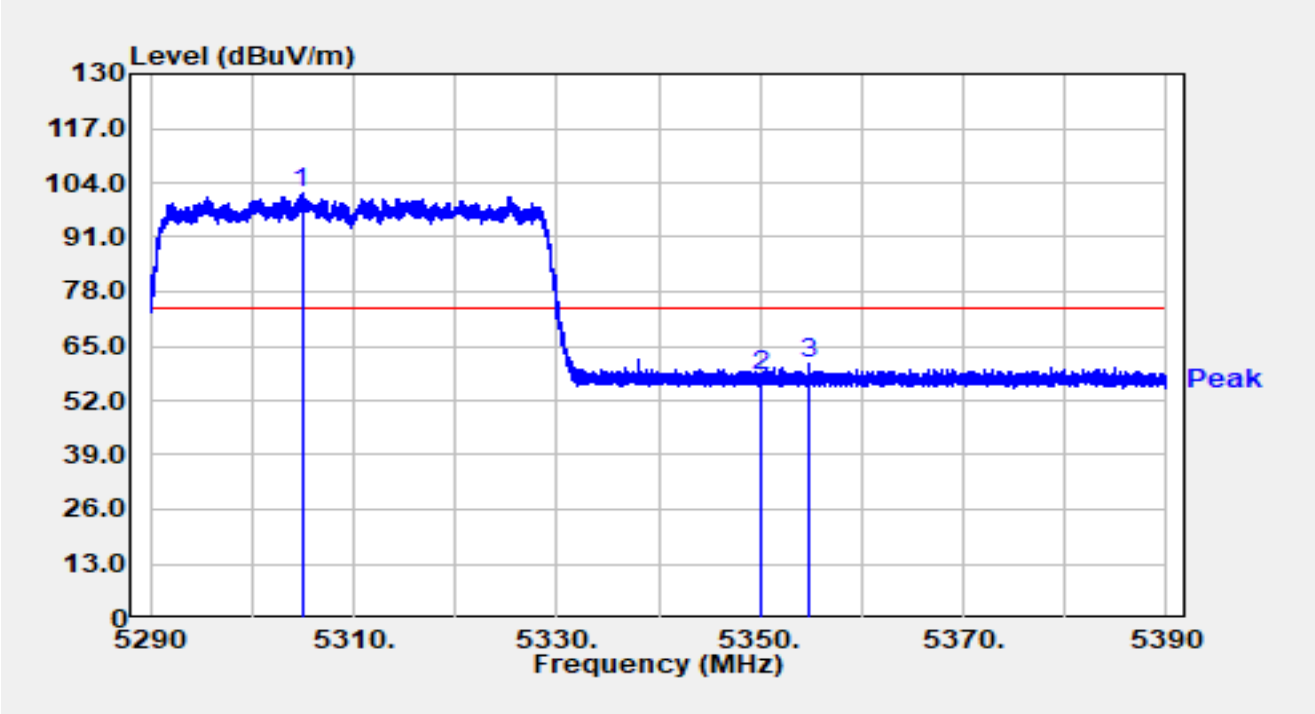
Notes:

1. " *", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + 16dB Attenuation (dB) - AMP (dB).

3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2024-11-09
Test Engineer	Carl Jiang	Temp./Humidity	20.1°C /55.9%
Factor	AC2 DRH18-E 1-18G	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE40 at 5310MHz		



No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	5304.900	85.89	15.76	101.66	N/A	N/A	Peak
2		5350.000	42.11	15.68	57.79	-16.21	74.00	Peak
3		5354.720	45.02	15.67	60.68	-13.32	74.00	Peak

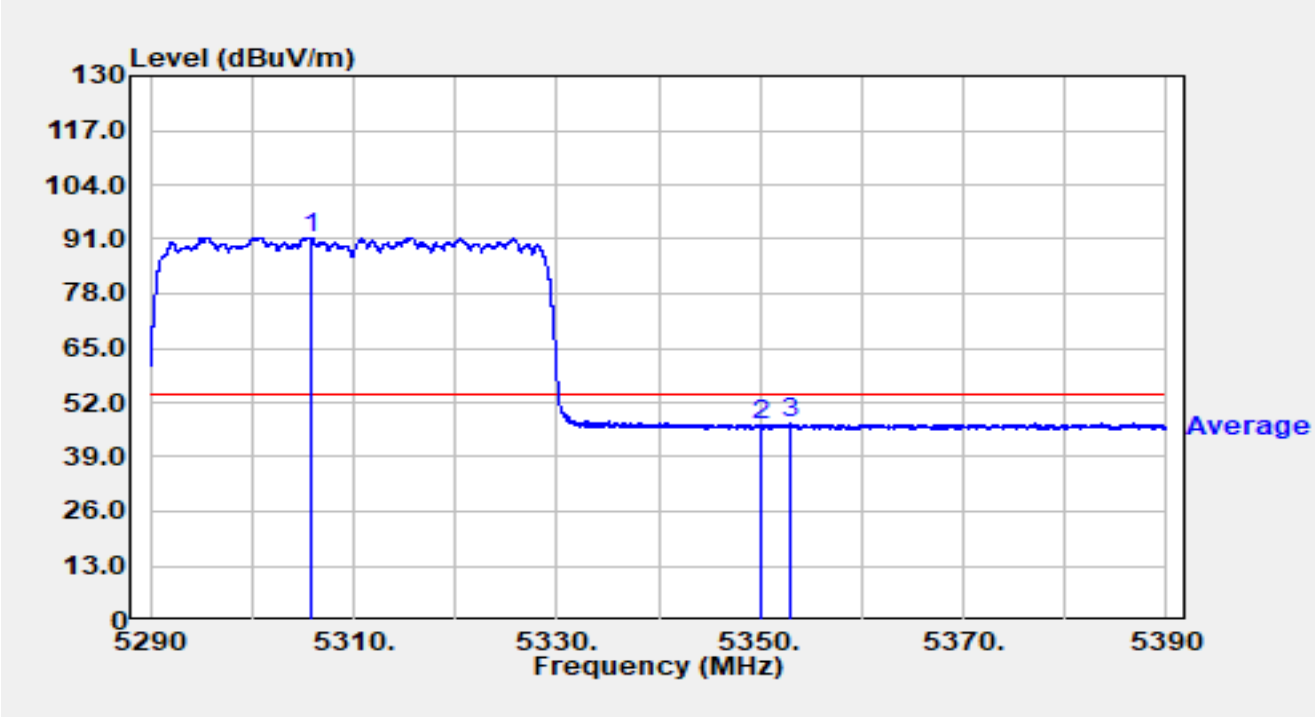
Notes:

1. " *", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)+ 16dB Attenuation (dB) -AMP (dB).

3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2024-11-09
Test Engineer	Carl Jiang	Temp./Humidity	20.1°C /55.9%
Factor	AC2 DRH18-E 1-18G	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE40 at 5310MHz		



No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	5305.880	75.72	15.77	91.48	N/A	N/A	Average
2		5350.000	31.02	15.68	46.70	-7.30	54.00	Average
3		5352.980	31.30	15.67	46.98	-7.02	54.00	Average

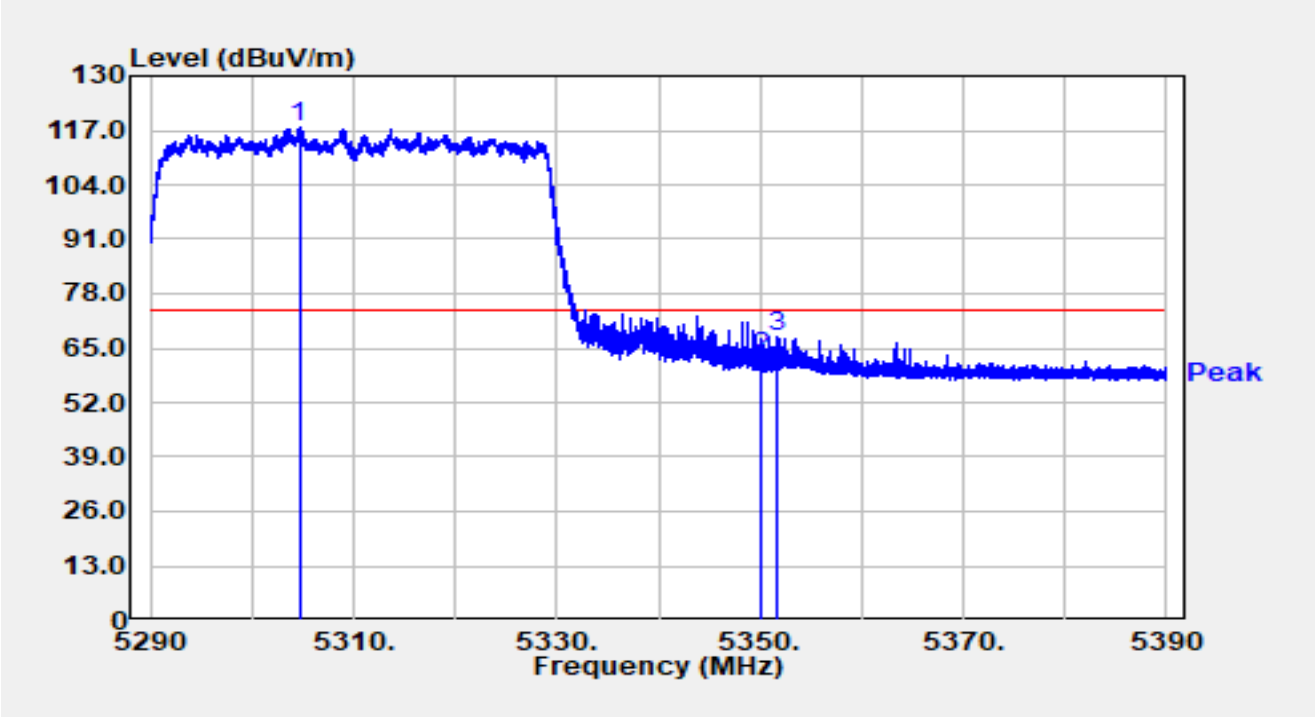
Notes:

1. " *", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)+ 16dB Attenuation (dB) -AMP (dB).

3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2024-11-09
Test Engineer	Carl Jiang	Temp./Humidity	20.1°C /55.9%
Factor	AC2 DRH18-E 1-18G	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE40 at 5310MHz		



No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	5304.640	101.96	15.76	117.73	N/A	N/A	Peak
2		5350.000	46.96	15.68	62.64	-11.36	74.00	Peak
3		5351.760	52.15	15.68	67.83	-6.17	74.00	Peak

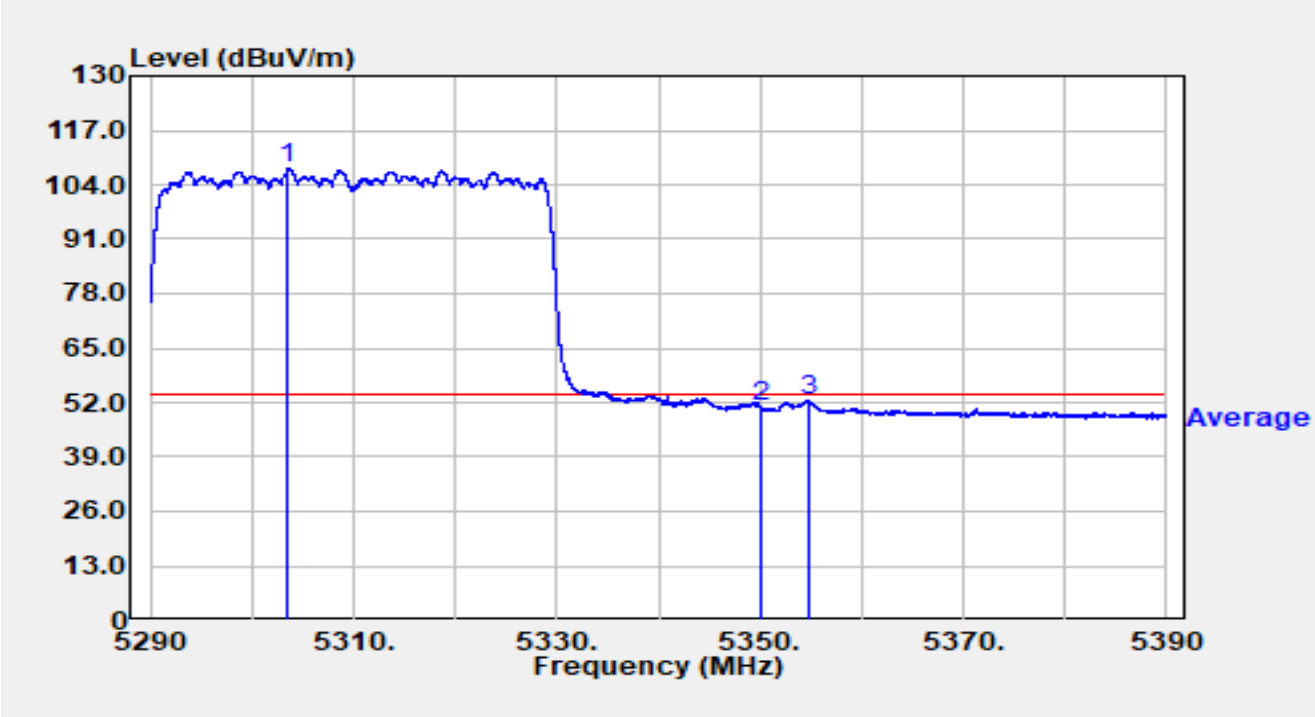
Notes:

1. " *", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)+ 16dB Attenuation (dB) -AMP (dB).

3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2024-11-09
Test Engineer	Carl Jiang	Temp./Humidity	20.1°C /55.9%
Factor	AC2 DRH18-E 1-18G	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE40 at 5310MHz		



No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	5303.580	92.07	15.76	107.83	N/A	N/A	Average
2		5350.000	35.19	15.68	50.87	-3.13	54.00	Average
3		5354.690	36.93	15.67	52.59	-1.41	54.00	Average

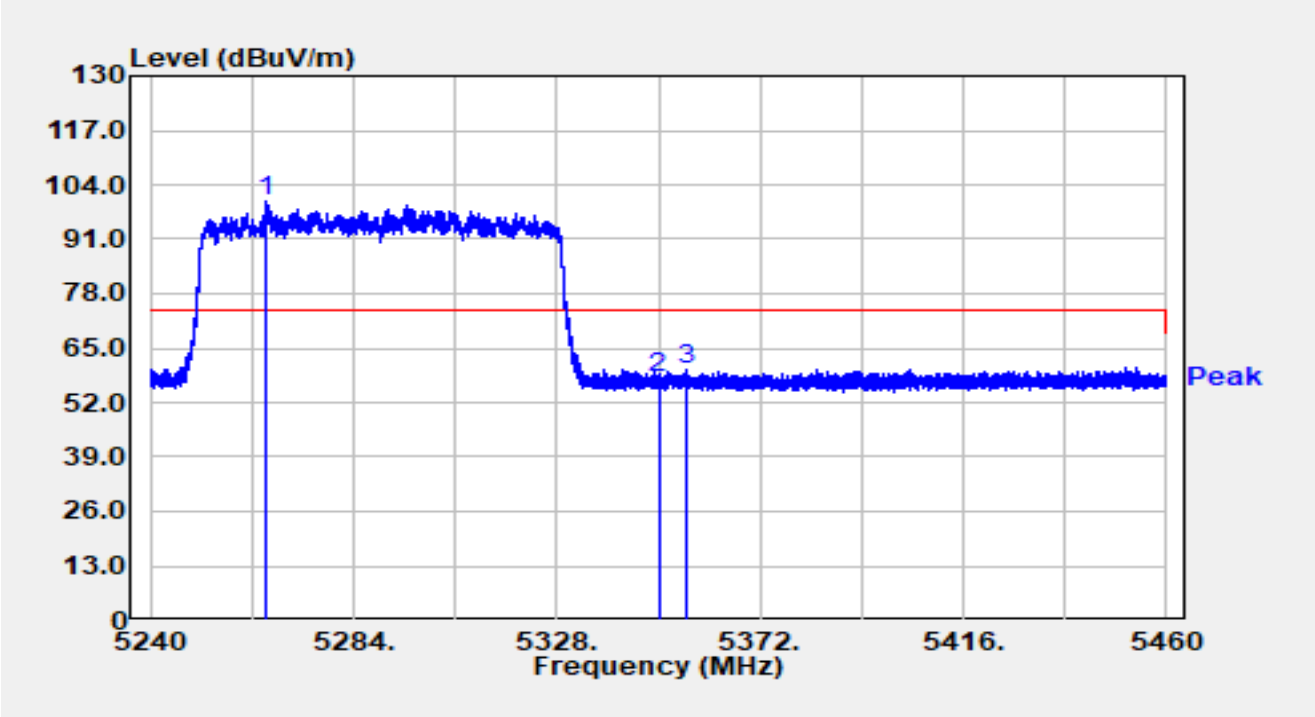
Notes:

1. " *", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)+ 16dB Attenuation (dB) -AMP (dB).

3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2024-11-09
Test Engineer	Carl Jiang	Temp./Humidity	20.1°C /55.9%
Factor	AC2 DRH18-E 1-18G	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE80 at 5290MHz		



No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	5265.036	84.16	15.89	100.05	N/A	N/A	Peak
2		5350.000	42.20	15.68	57.88	-16.12	74.00	Peak
3		5356.314	44.02	15.66	59.68	-14.32	74.00	Peak

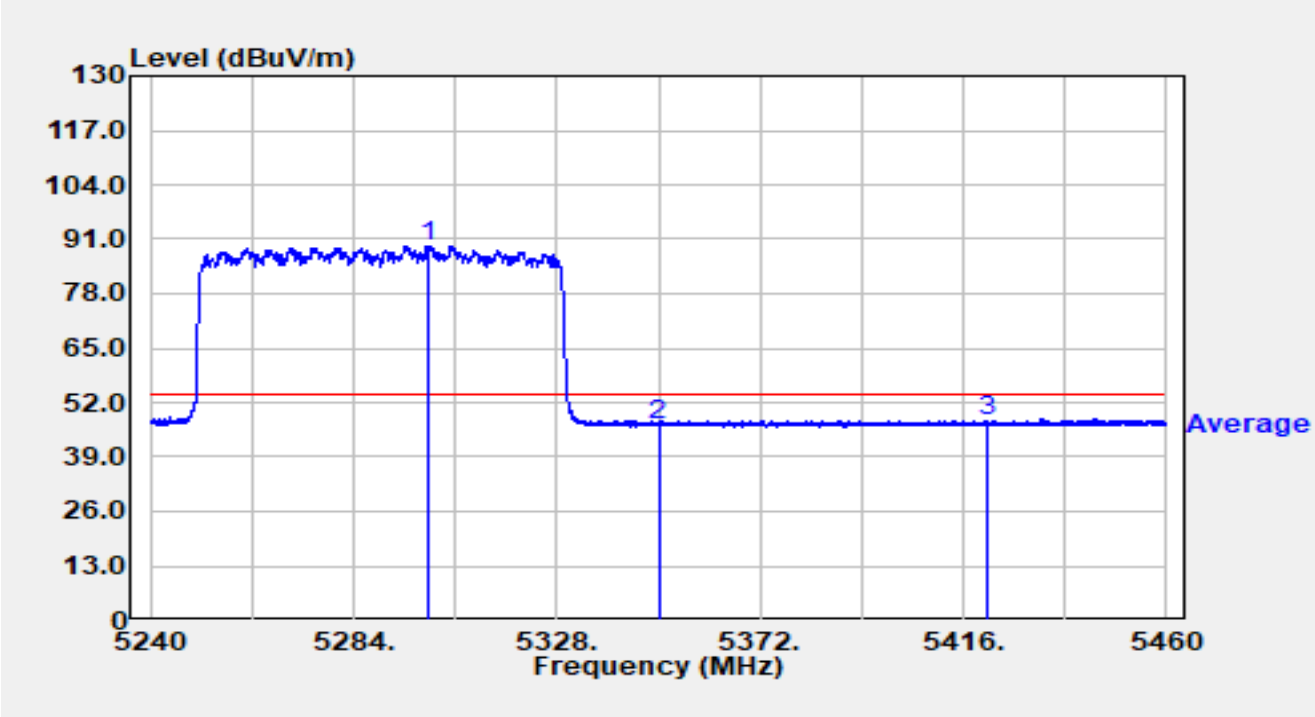
Notes:

1. " *", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)+ 16dB Attenuation (dB) -AMP (dB).

3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2024-11-09
Test Engineer	Carl Jiang	Temp./Humidity	20.1°C /55.9%
Factor	AC2 DRH18-E 1-18G	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE80 at 5290MHz		



No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	5299.950	73.74	15.76	89.51	N/A	N/A	Average
2		5350.000	31.05	15.68	46.73	-7.27	54.00	Average
3		5421.214	31.83	15.86	47.68	-6.32	54.00	Average

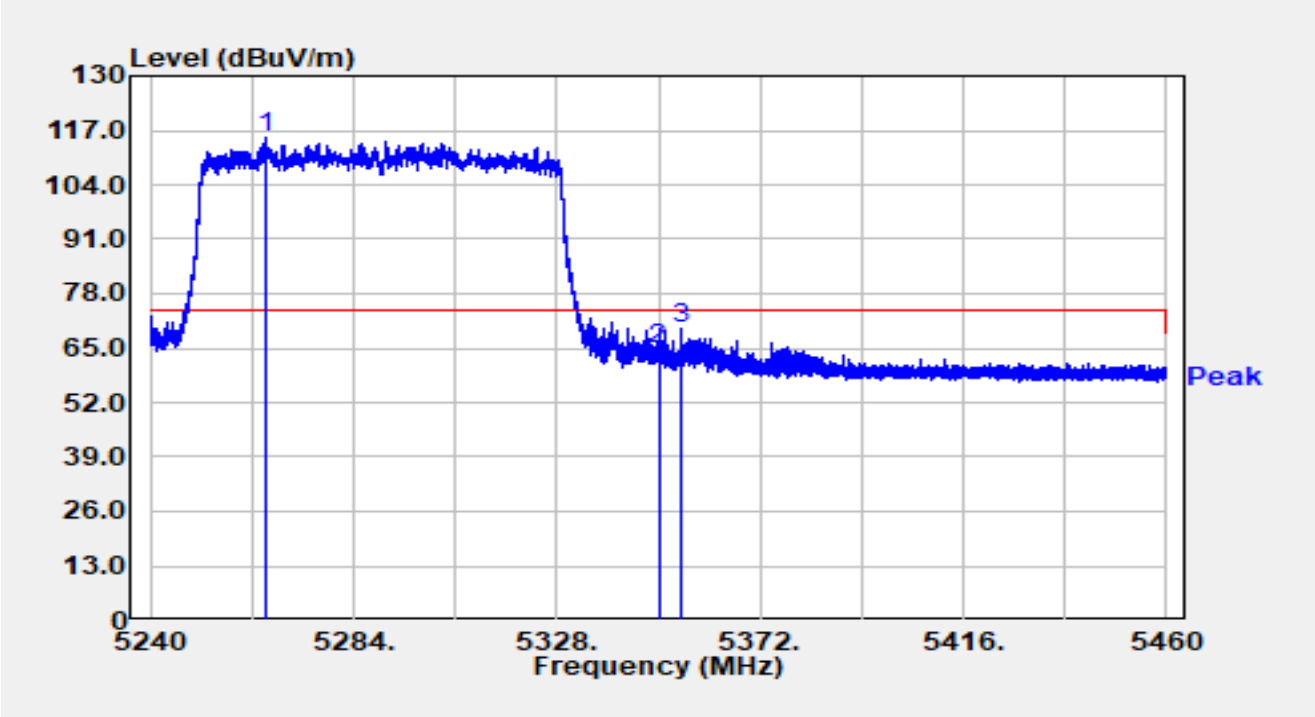
Notes:

1. " *", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)+ 16dB Attenuation (dB) -AMP (dB).

3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2024-11-09
Test Engineer	Carl Jiang	Temp./Humidity	20.1°C /55.9%
Factor	AC2 DRH18-E 1-18G	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE80 at 5290MHz		



No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	5264.970	99.62	15.89	115.52	N/A	N/A	Peak
2		5350.000	49.24	15.68	64.92	-9.08	74.00	Peak
3		5354.950	53.89	15.67	69.56	-4.44	74.00	Peak

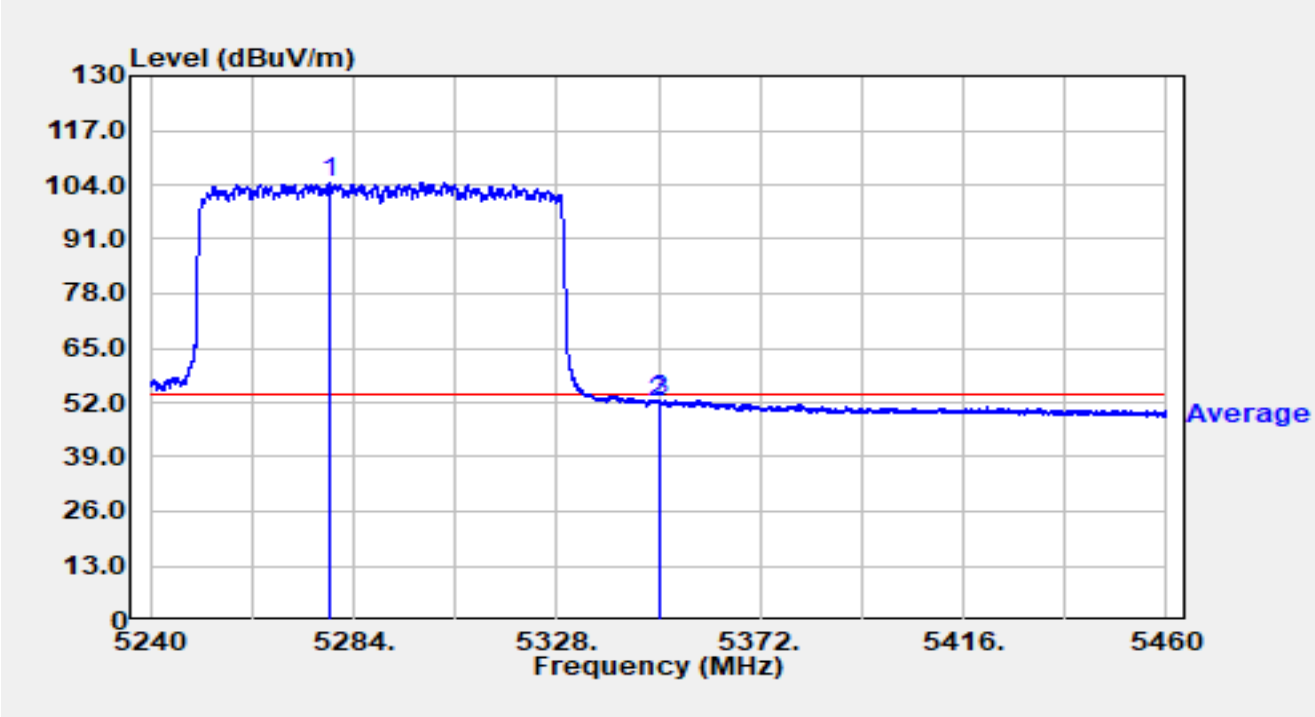
Notes:

1. " *", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)+ 16dB Attenuation (dB) -AMP (dB).

3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2024-11-09
Test Engineer	Carl Jiang	Temp./Humidity	20.1°C /55.9%
Factor	AC2 DRH18-E 1-18G	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE80 at 5290MHz		



No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	5278.588	88.79	15.81	104.59	N/A	N/A	Average
2		5350.000	36.56	15.68	52.24	-1.76	54.00	Average
3		5350.506	36.89	15.68	52.57	-1.43	54.00	Average

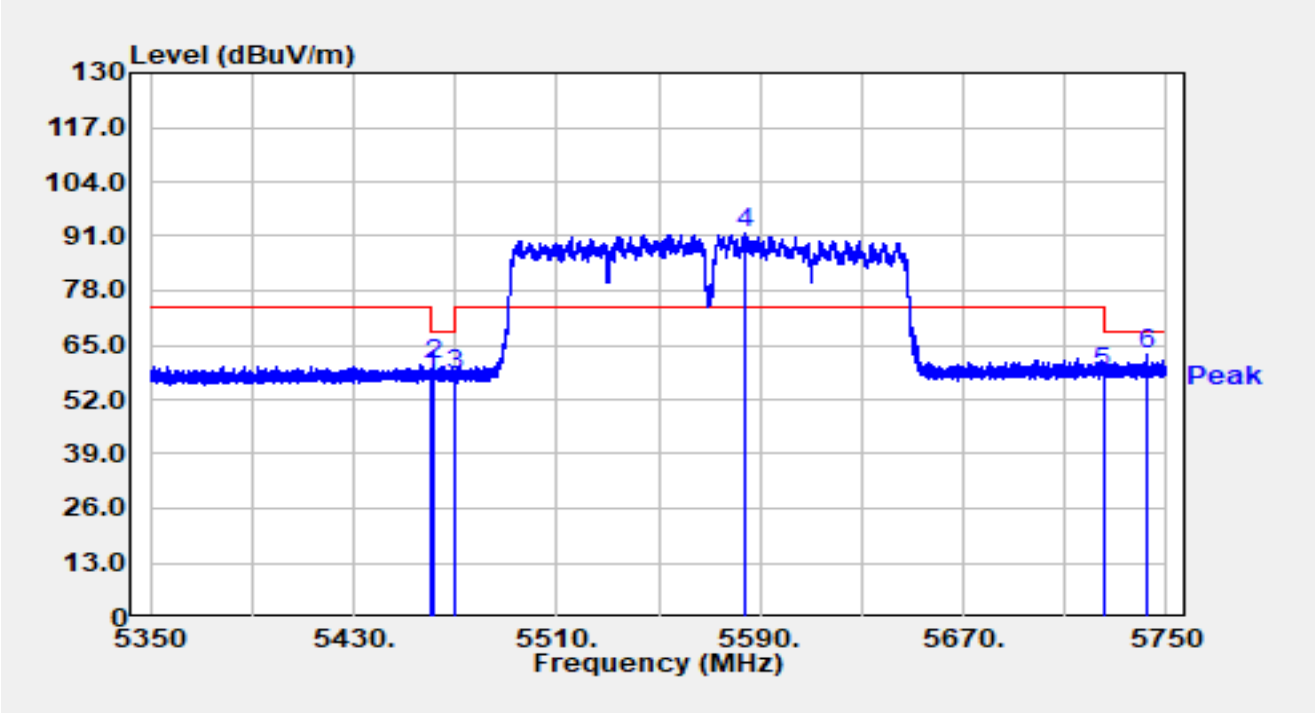
Notes:

1. " *", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)+ 16dB Attenuation (dB) -AMP (dB).

3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2024-11-09
Test Engineer	Carl Jiang	Temp./Humidity	20.1°C /55.9%
Factor	AC2 DRH18-E 1-18G	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ac-VHT160 at 5570MHz		



No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		5460.000	41.31	16.02	57.33	-10.87	68.20	Peak
2		5461.320	44.27	16.02	60.29	-7.91	68.20	Peak
3		5470.000	41.70	15.98	57.69	-10.51	68.20	Peak
4	*	5583.640	75.16	16.42	91.58	N/A	N/A	Peak
5		5725.000	41.49	16.92	58.41	-9.79	68.20	Peak
6		5742.400	45.71	16.96	62.67	-5.53	68.20	Peak

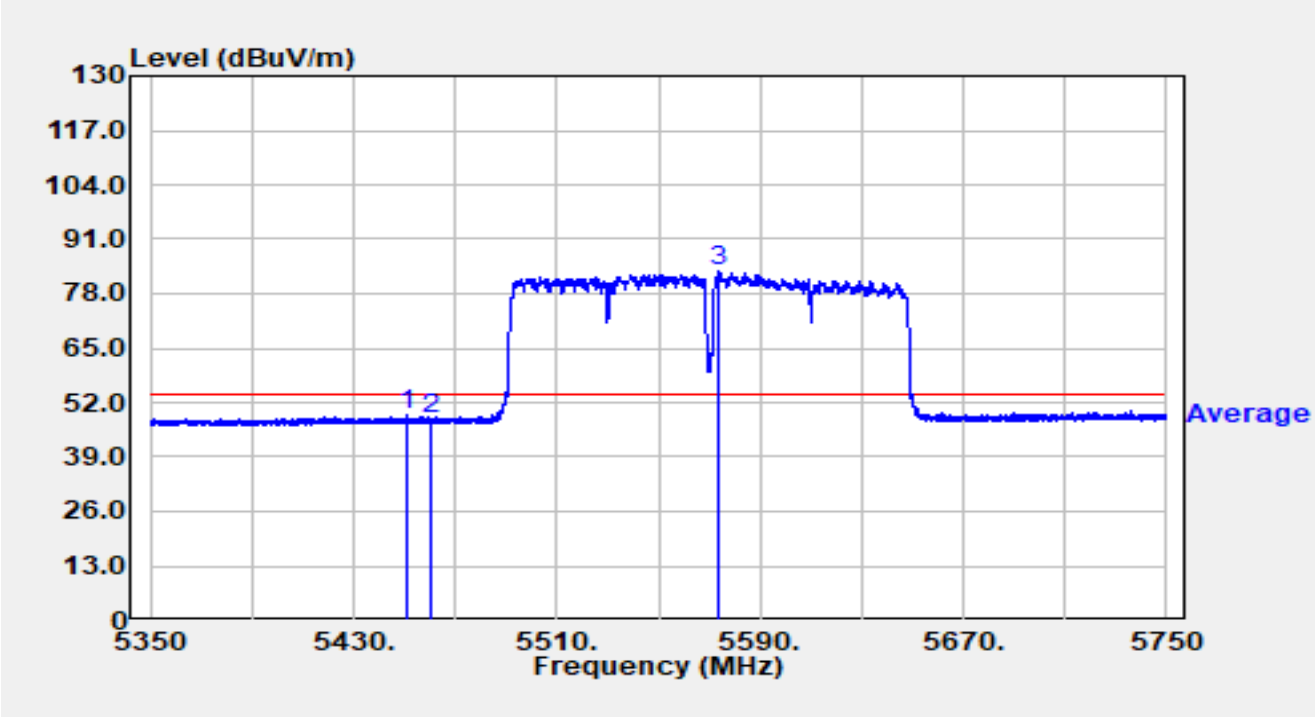
Notes:

1. " *", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)+ 16dB Attenuation (dB) -AMP (dB).

3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2024-11-09
Test Engineer	Carl Jiang	Temp./Humidity	20.1°C /55.9%
Factor	AC2 DRH18-E 1-18G	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ac-VHT160 at 5570MHz		



No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		5451.165	33.04	16.00	49.04	-4.96	54.00	Average
2		5460.000	31.84	16.02	47.86	-6.14	54.00	Average
3	*	5573.625	66.76	16.42	83.19	N/A	N/A	Average

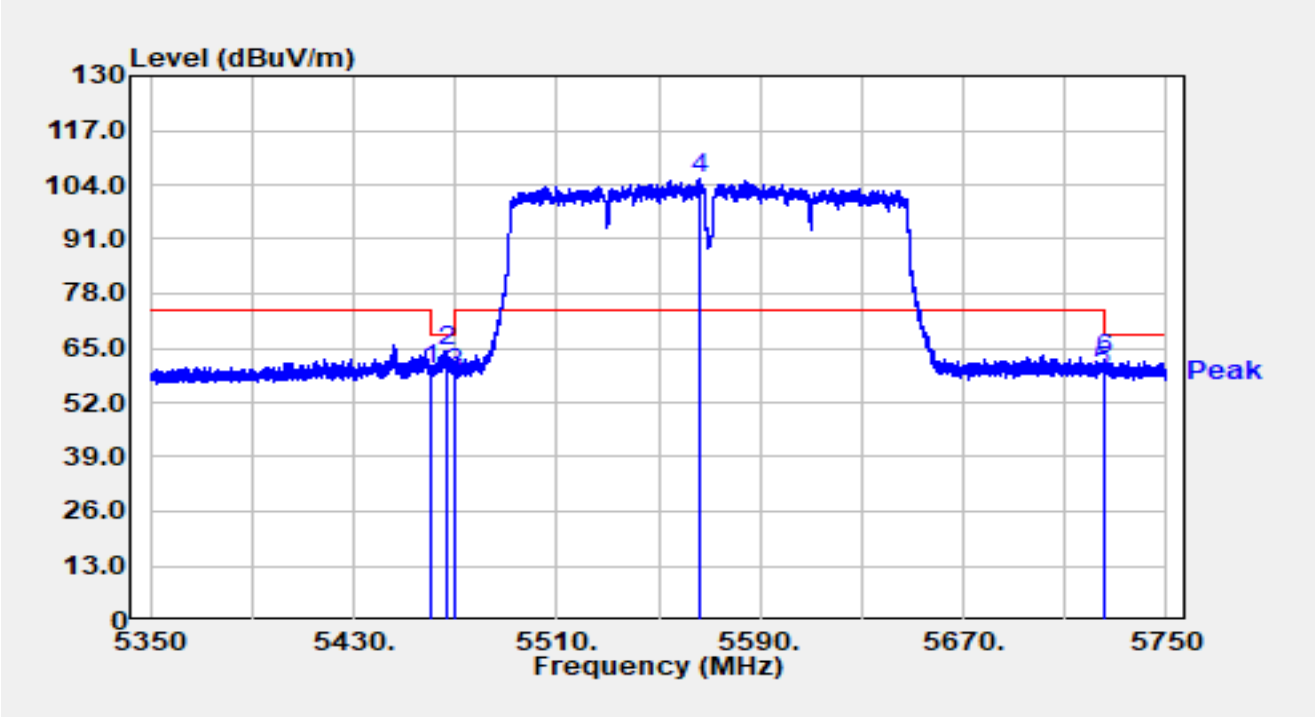
Notes:

1. " *", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)+ 16dB Attenuation (dB) -AMP (dB).

3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2024-11-09
Test Engineer	Carl Jiang	Temp./Humidity	20.1°C /55.9%
Factor	AC2 DRH18-E 1-18G	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ac-VHT160 at 5570MHz		

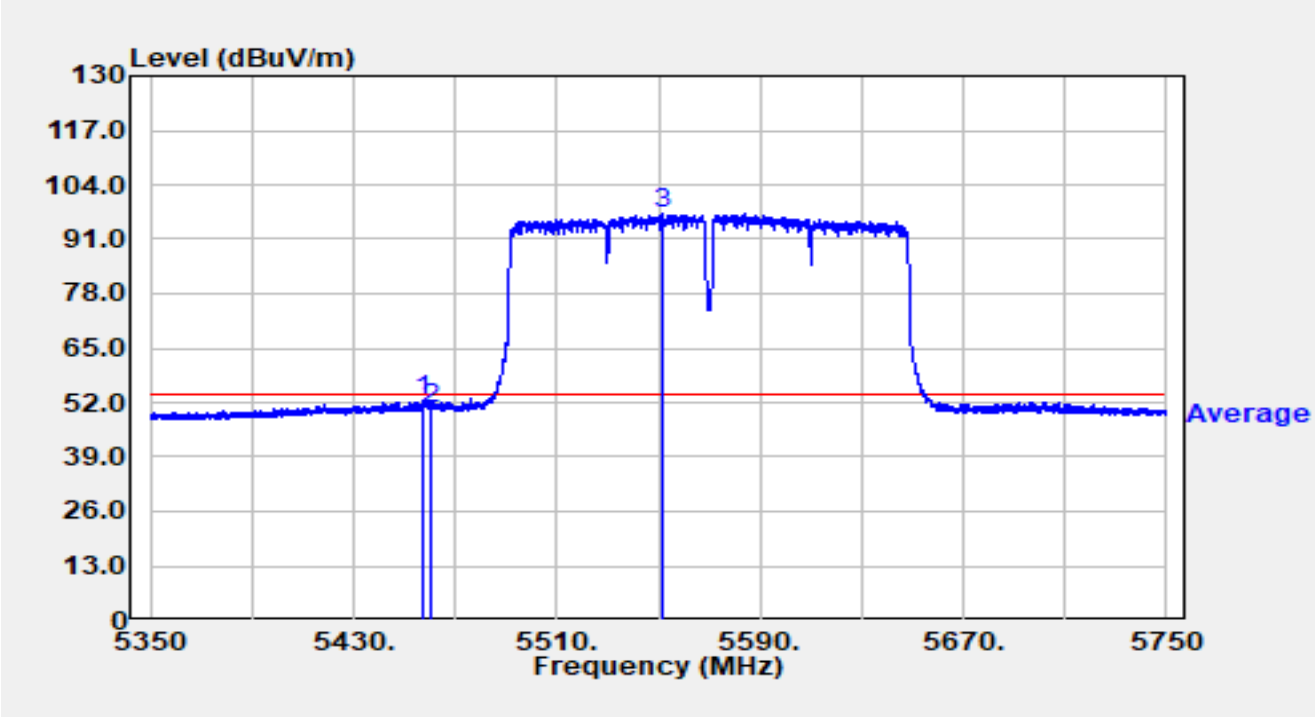


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		5460.000	43.76	16.02	59.78	-8.42	68.20	Peak
2		5466.759	48.49	15.99	64.48	-3.72	68.20	Peak
3		5470.000	42.71	15.98	58.69	-9.51	68.20	Peak
4	*	5566.239	88.90	16.37	105.27	N/A	N/A	Peak
5		5725.000	42.51	16.92	59.43	-8.77	68.20	Peak
6		5725.114	45.53	16.92	62.46	-5.74	68.20	Peak

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)+ 16dB Attenuation (dB) -AMP (dB).
3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2024-11-09
Test Engineer	Carl Jiang	Temp./Humidity	20.1°C /55.9%
Factor	AC2 DRH18-E 1-18G	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ac-VHT160 at 5570MHz		



No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		5457.515	36.50	16.03	52.53	-1.47	54.00	Average
2		5460.000	34.66	16.02	50.69	-3.31	54.00	Average
3	*	5551.121	80.65	16.26	96.91	N/A	N/A	Average

Notes:

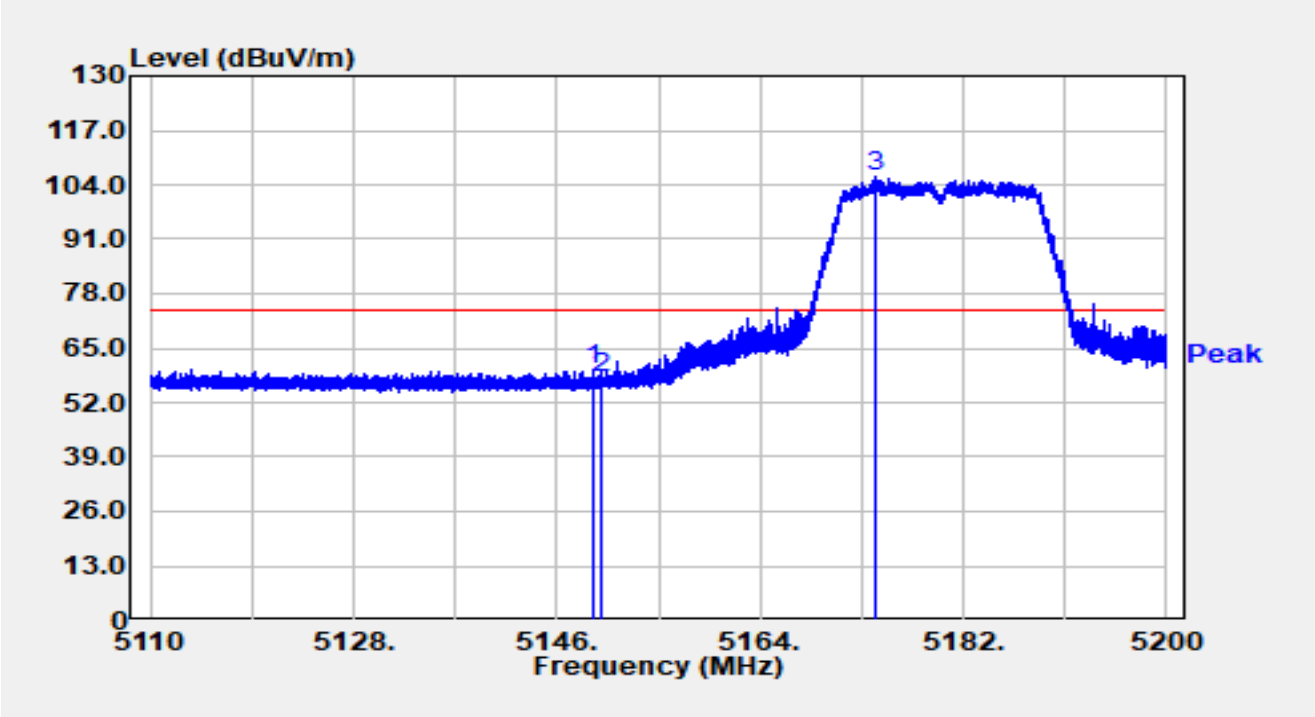
1. " *", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)+ 16dB Attenuation (dB) -AMP (dB).

3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

For Omni Antenna (AP-ANT-19)

Site	WJ-AC2	Test Date	2024-10-30
Test Engineer	Carl Jiang	Temp./Humidity	22.3°C /63.0%
Factor	AC2 DRH18-E 1-18G	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ac-VHT20 at 5180MHz		



No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		5149.339	44.08	16.00	60.07	-13.93	74.00	Peak
2		5150.000	41.86	16.00	57.85	-16.15	74.00	Peak
3	*	5174.287	89.88	15.96	105.85	N/A	N/A	Peak

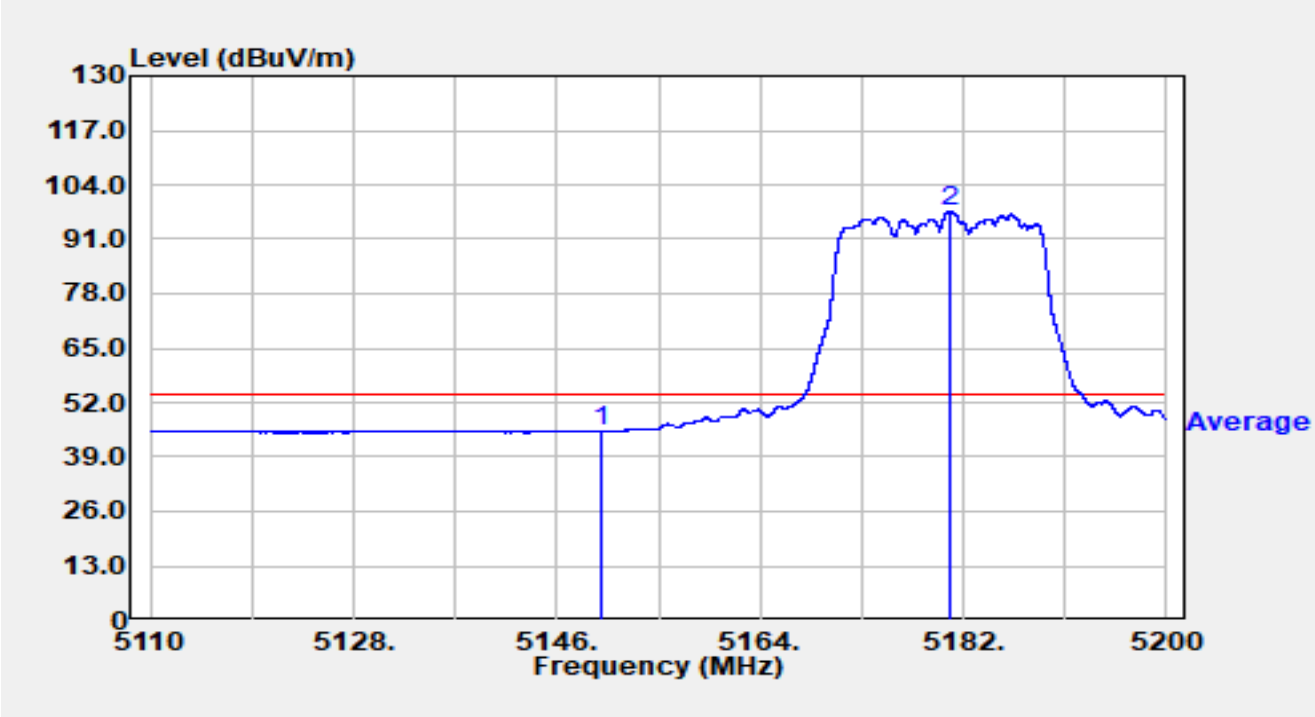
Notes:

1. " *", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + 16dB Attenuation (dB) - AMP (dB).

3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2024-10-30
Test Engineer	Carl Jiang	Temp./Humidity	22.3°C /63.0%
Factor	AC2 DRH18-E 1-18G	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ac-VHT20 at 5180MHz		



No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		5150.000	29.14	16.00	45.14	-8.86	54.00	Average
2	*	5180.803	81.55	15.93	97.48	N/A	N/A	Average

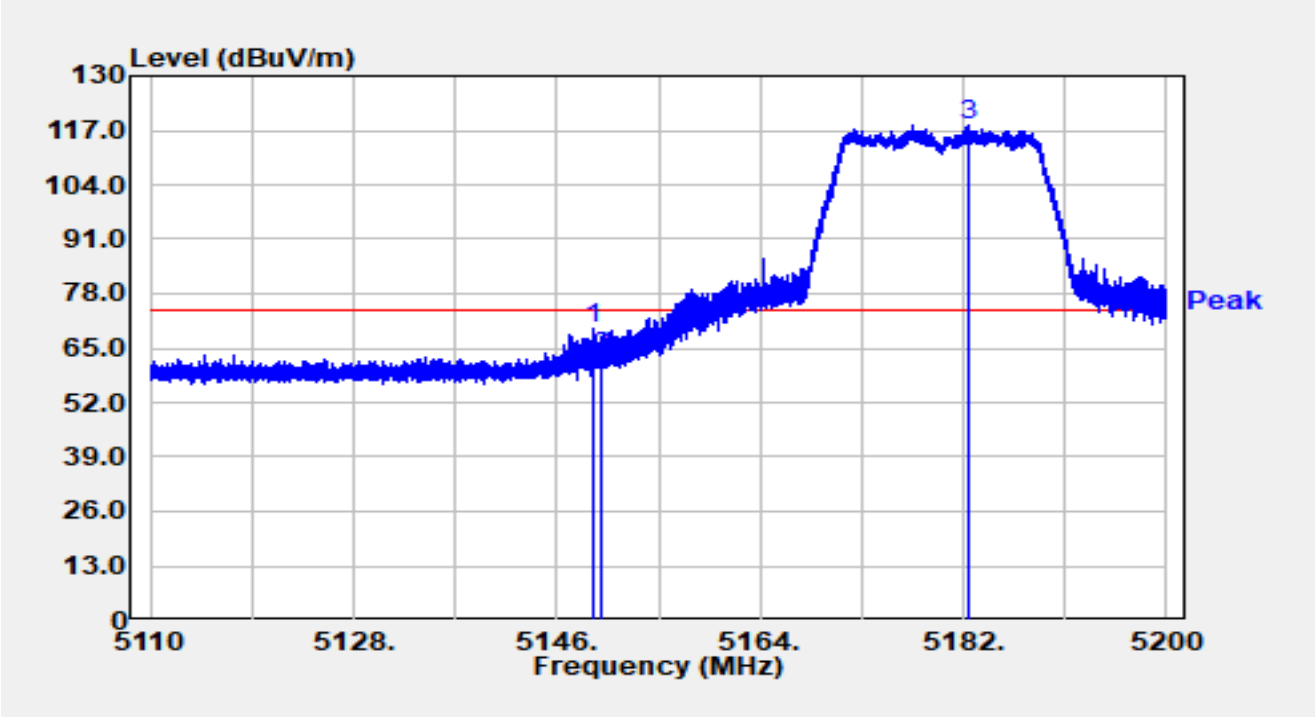
Notes:

1. " *", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + 16dB Attenuation (dB) - AMP (dB).

3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2024-10-30
Test Engineer	Carl Jiang	Temp./Humidity	22.3°C /63.0%
Factor	AC2 DRH18-E 1-18G	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ac-VHT20 at 5180MHz		



No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		5149.339	53.46	16.00	69.46	-4.54	74.00	Peak
2		5150.000	46.61	16.00	62.61	-11.39	74.00	Peak
3	*	5182.522	102.35	15.93	118.27	N/A	N/A	Peak

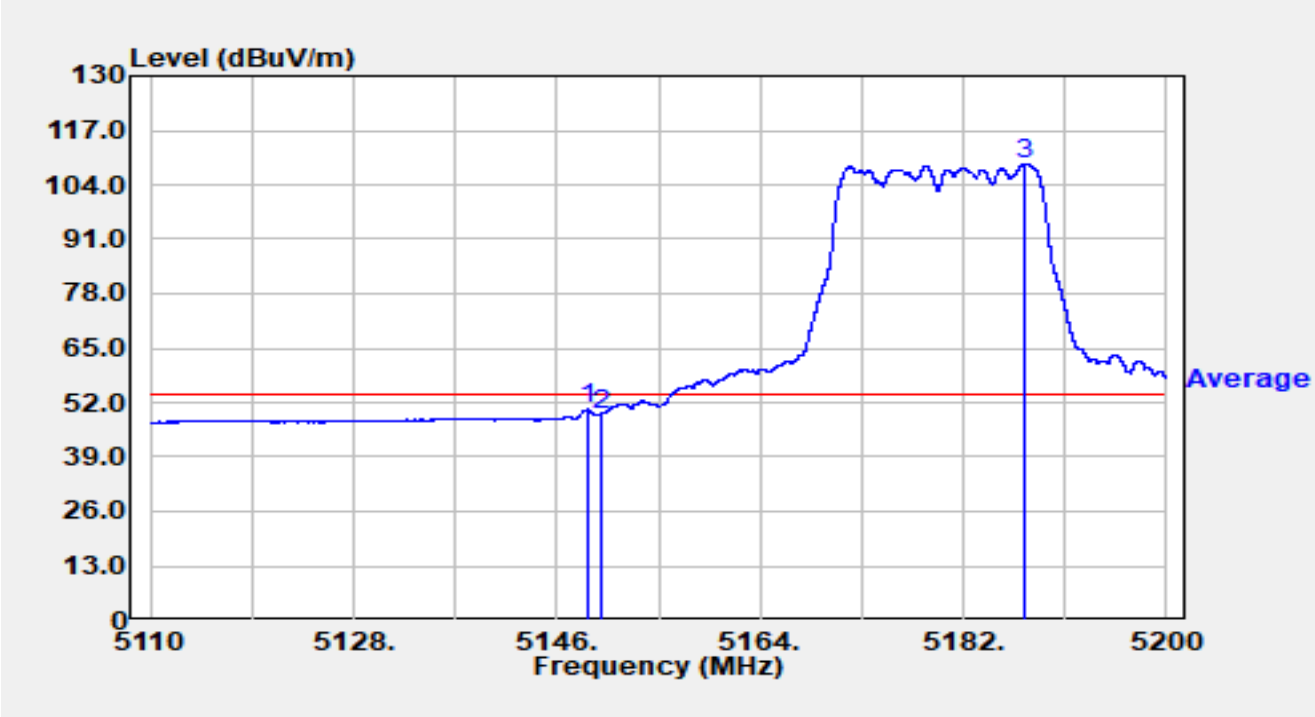
Notes:

1. " *", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + 16dB Attenuation (dB) - AMP (dB).

3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2024-10-30
Test Engineer	Carl Jiang	Temp./Humidity	22.3°C /63.0%
Factor	AC2 DRH18-E 1-18G	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ac-VHT20 at 5180MHz		



No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		5148.817	34.35	16.00	50.34	-3.66	54.00	Average
2		5150.000	33.29	16.00	49.29	-4.71	54.00	Average
3	*	5187.517	92.97	15.94	108.91	N/A	N/A	Average

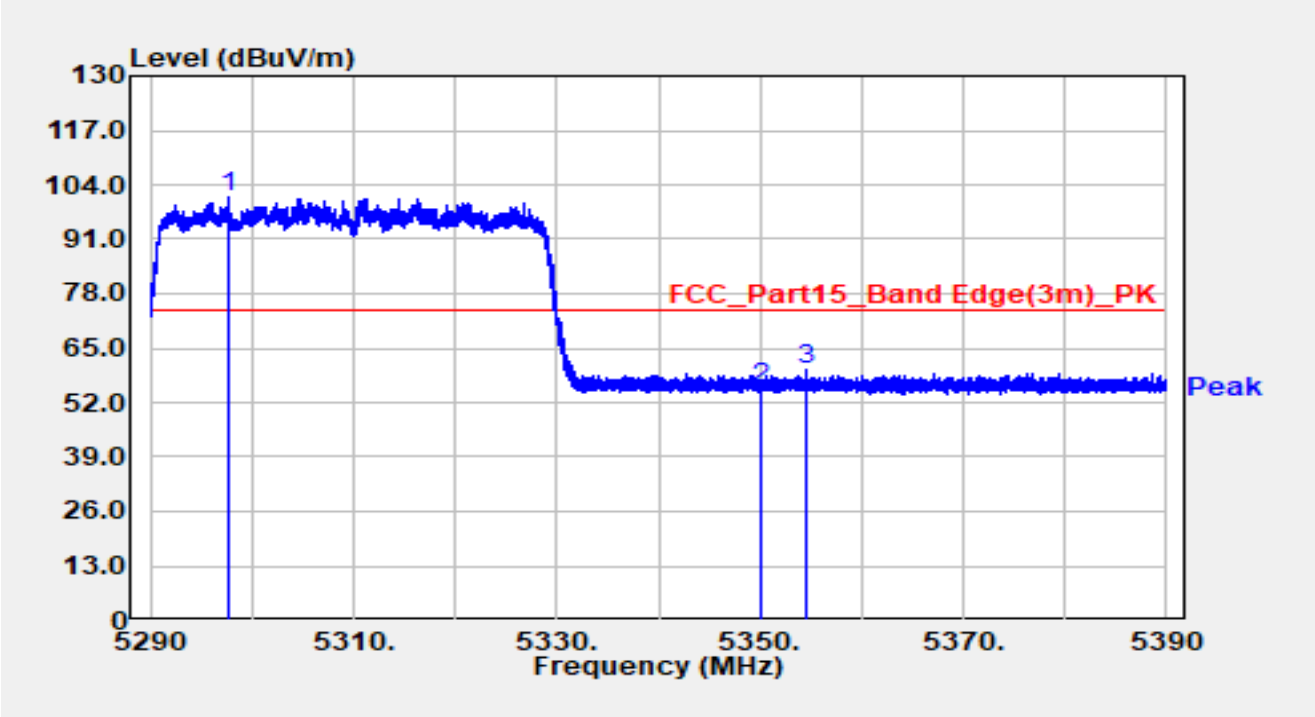
Notes:

1. " *", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + 16dB Attenuation (dB) - AMP (dB).

3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2024-11-11
Test Engineer	Bob Zhang	Temp./Humidity	22.3°C /63.0%
Factor	AC2 DRH18-E 1-18G	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE40 at 5310MHz		



No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	5297.600	85.10	15.77	100.87	N/A	N/A	Peak
2		5350.000	39.55	15.68	55.23	-18.77	74.00	Peak
3		5354.500	44.19	15.67	59.86	-14.14	74.00	Peak

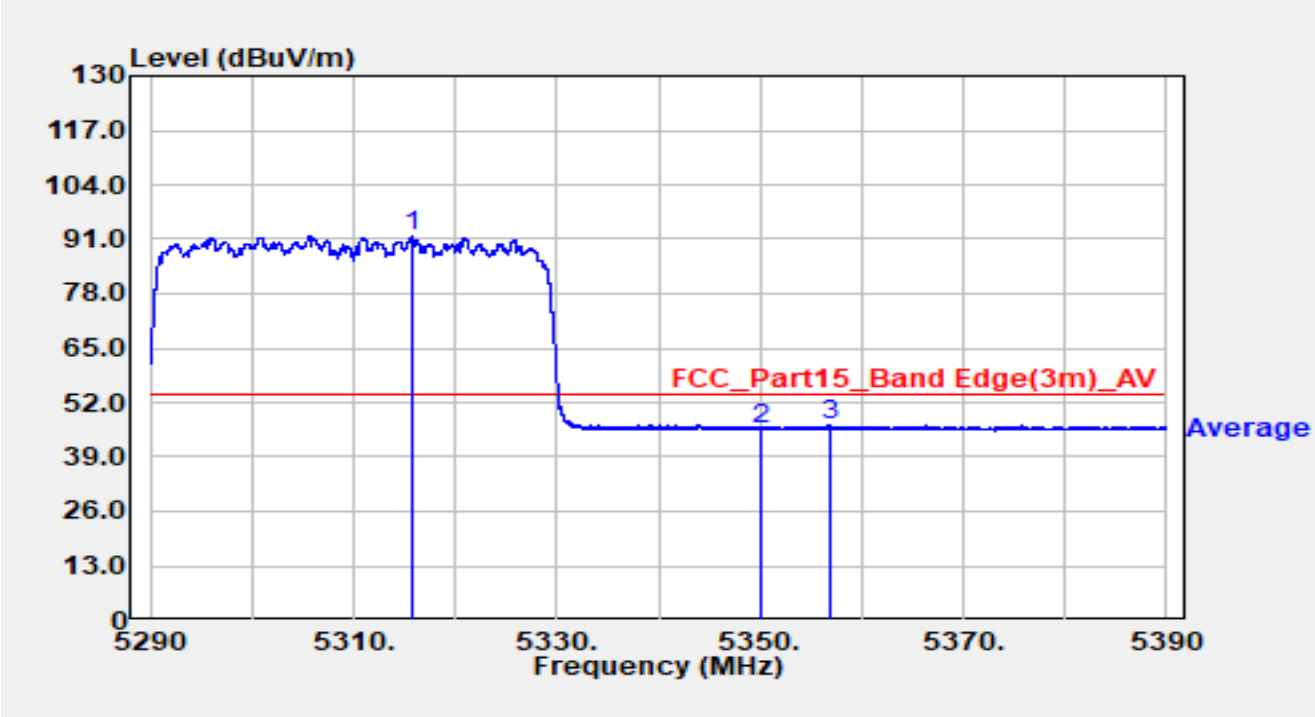
Notes:

1. " *", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)+ 16dB Attenuation (dB) -AMP (dB).

3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2024-11-11
Test Engineer	Bob Zhang	Temp./Humidity	22.3°C /63.0%
Factor	AC2 DRH18-E 1-18G	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE40 at 5310MHz		



No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	5315.850	75.87	15.78	91.65	N/A	N/A	Average
2		5350.000	29.91	15.68	45.59	-8.41	54.00	Average
3		5356.980	30.85	15.66	46.51	-7.49	54.00	Average

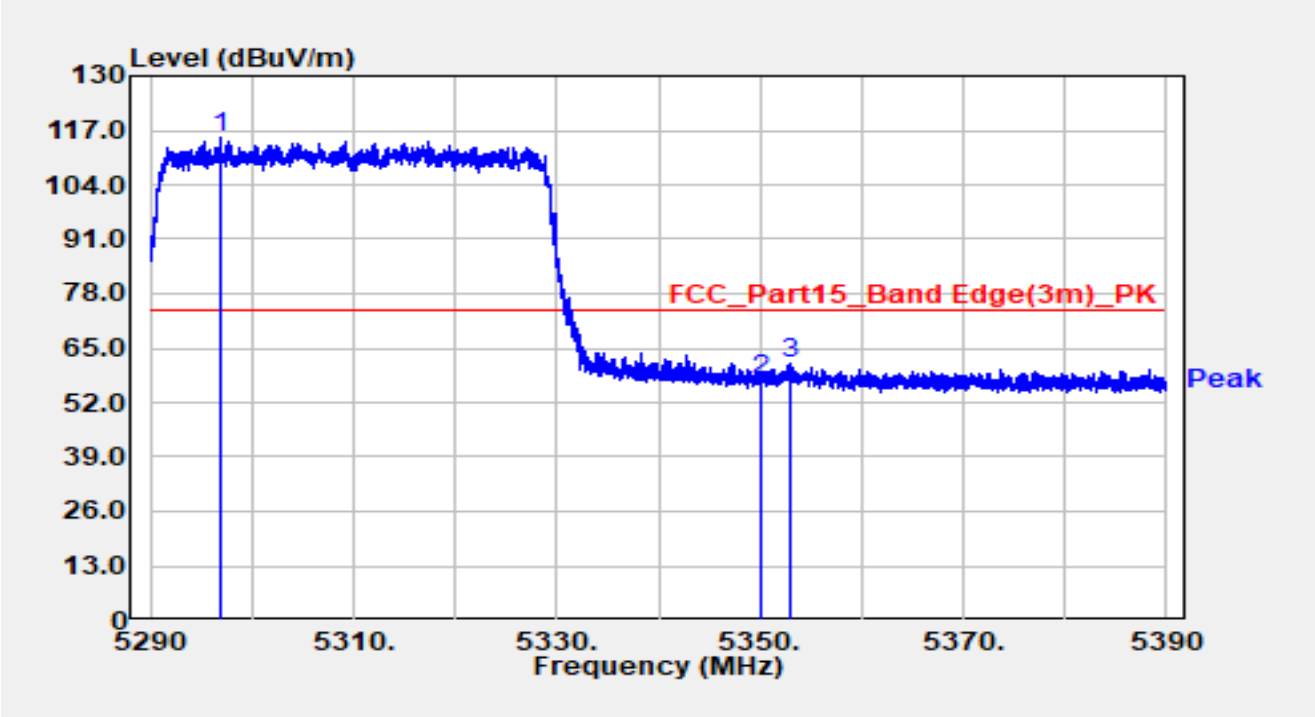
Notes:

1. " *", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)+ 16dB Attenuation (dB) -AMP (dB).

3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2024-11-11
Test Engineer	Bob Zhang	Temp./Humidity	22.3°C /63.0%
Factor	AC2 DRH18-E 1-18G	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE40 at 5310MHz		



No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	5296.970	99.35	15.77	115.12	N/A	N/A	Peak
2		5350.000	41.91	15.68	57.59	-16.41	74.00	Peak
3		5353.050	45.43	15.67	61.10	-12.90	74.00	Peak

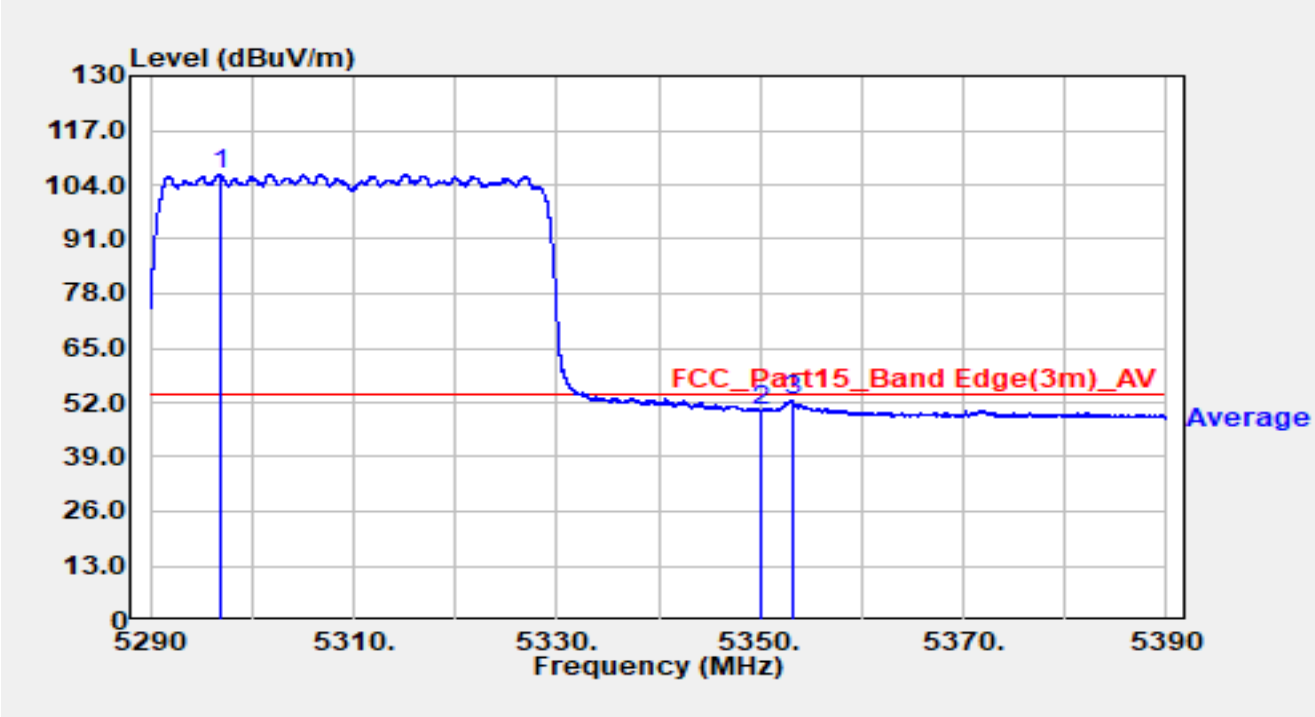
Notes:

1. " *", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)+ 16dB Attenuation (dB) -AMP (dB).

3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2024-11-11
Test Engineer	Bob Zhang	Temp./Humidity	22.3°C /63.0%
Factor	AC2 DRH18-E 1-18G	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE40 at 5310MHz		



No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	5296.840	90.57	15.77	106.34	N/A	N/A	Average
2		5350.000	34.42	15.68	50.10	-3.90	54.00	Average
3		5353.170	36.66	15.67	52.34	-1.66	54.00	Average

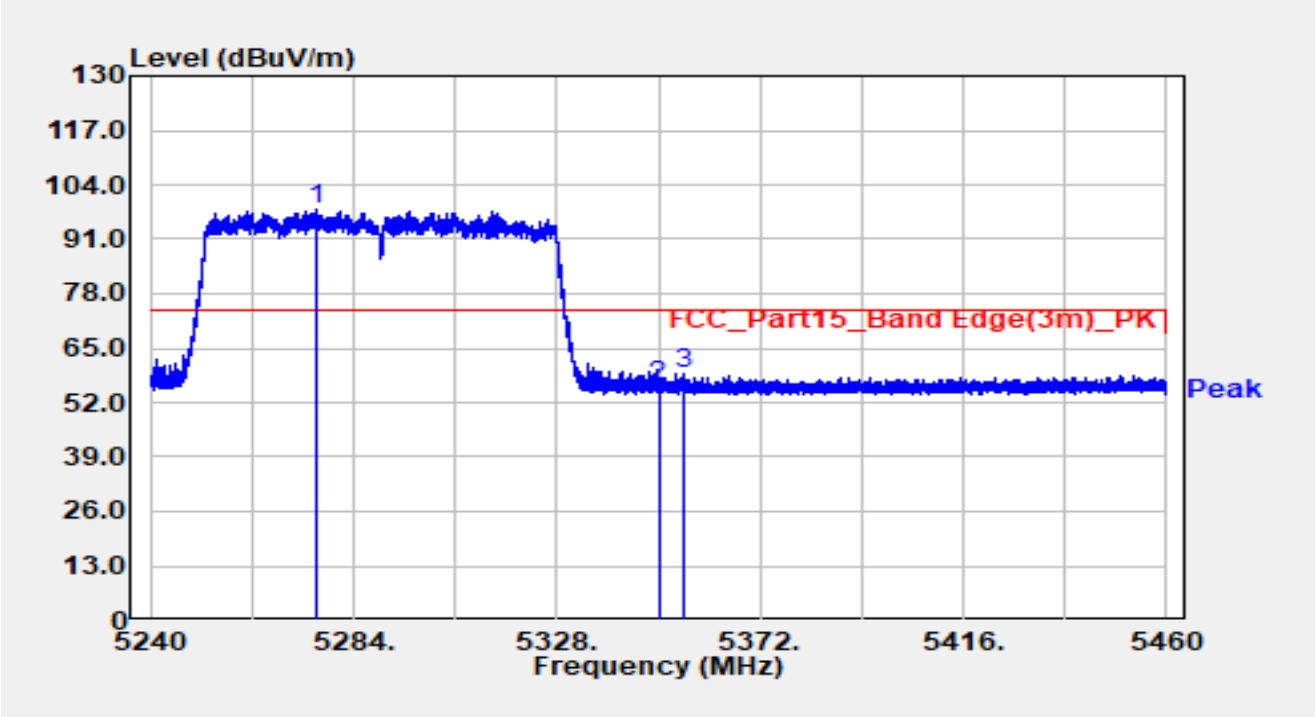
Notes:

1. " *", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)+ 16dB Attenuation (dB) -AMP (dB).

3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2024-11-11
Test Engineer	Bob Zhang	Temp./Humidity	22.3°C /63.0%
Factor	AC2 DRH18-E 1-18G	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ac-VHT80 at 5290MHz		



No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	5275.706	82.35	15.82	98.18	N/A	N/A	Peak
2		5350.000	40.33	15.68	56.01	-17.99	74.00	Peak
3		5355.412	43.23	15.66	58.89	-15.11	74.00	Peak

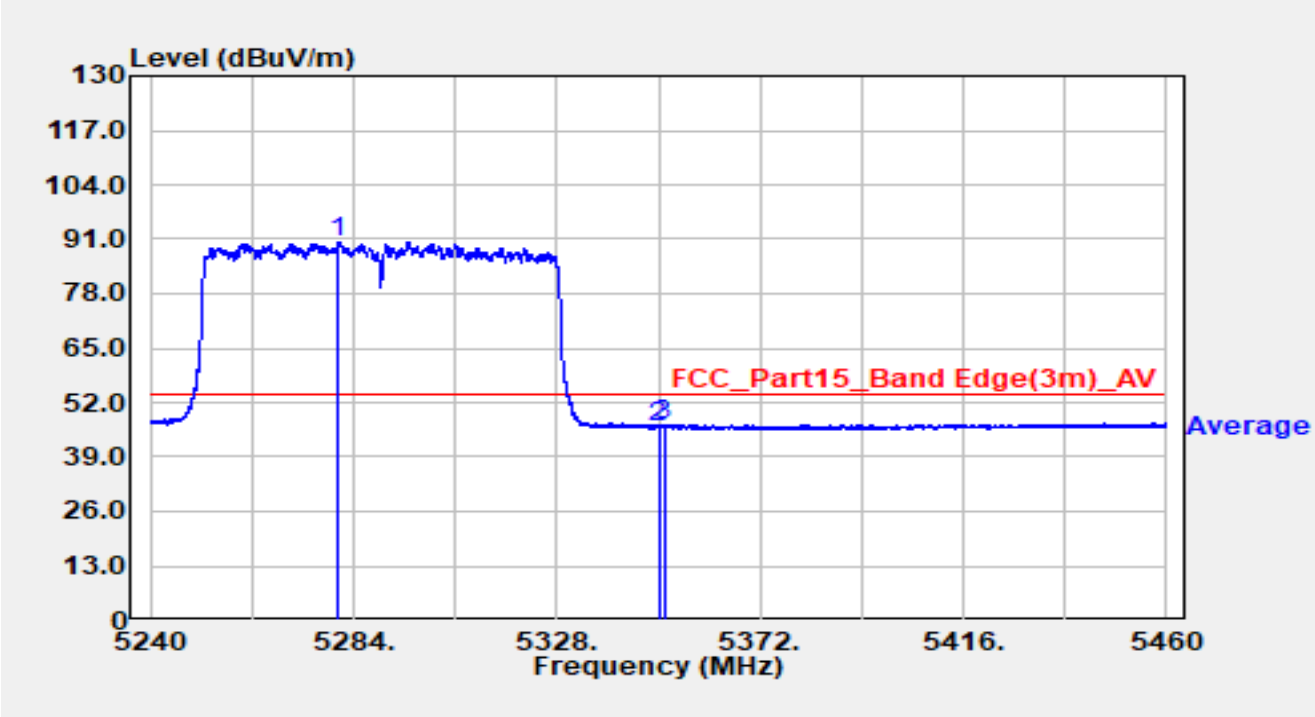
Notes:

1. " *", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)+ 16dB Attenuation (dB) -AMP (dB).

3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2024-11-11
Test Engineer	Bob Zhang	Temp./Humidity	22.3°C /63.0%
Factor	AC2 DRH18-E 1-18G	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ac-VHT80 at 5290MHz		



No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	5280.810	74.57	15.80	90.37	N/A	N/A	Average
2		5350.000	30.54	15.68	46.22	-7.78	54.00	Average
3		5351.166	31.05	15.68	46.73	-7.27	54.00	Average

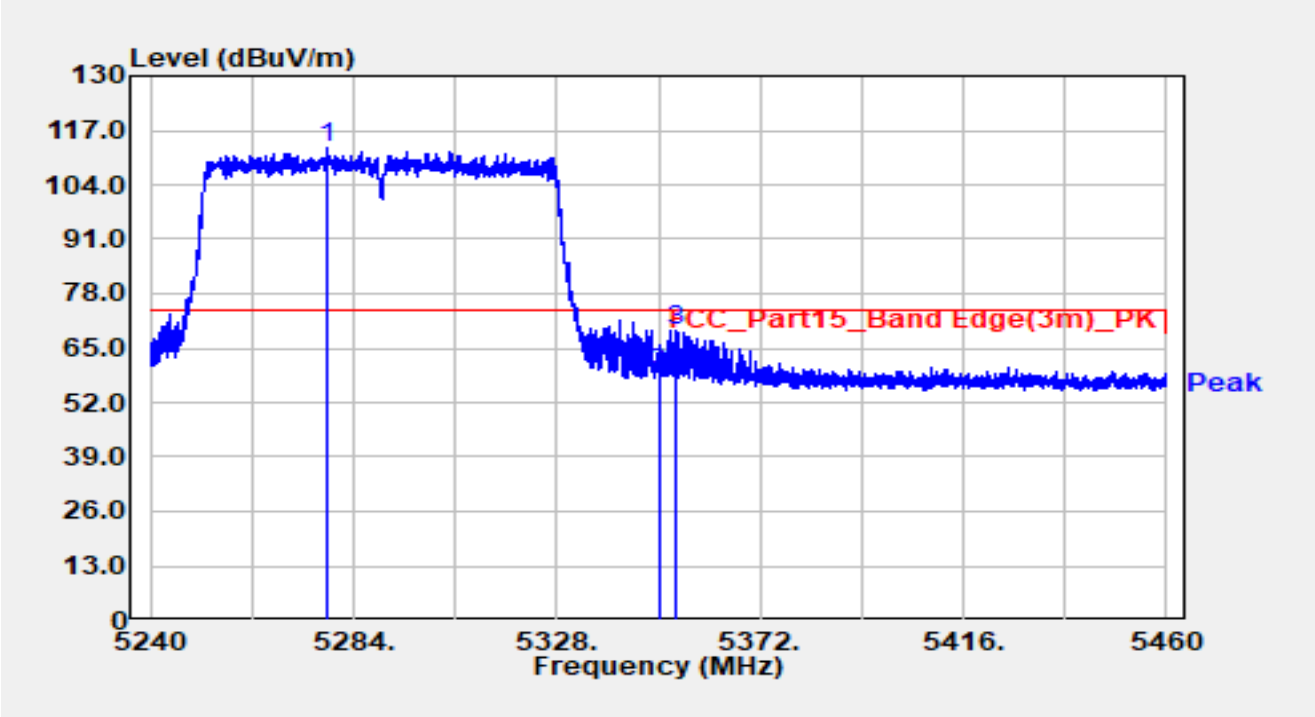
Notes:

1. " *", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)+ 16dB Attenuation (dB) -AMP (dB).

3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2024-11-11
Test Engineer	Bob Zhang	Temp./Humidity	22.3°C /63.0%
Factor	AC2 DRH18-E 1-18G	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ac-VHT80 at 5290MHz		



No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	5278.148	96.95	15.81	112.76	N/A	N/A	Peak
2		5350.000	43.32	15.68	59.00	-15.00	74.00	Peak
3		5353.652	53.50	15.67	69.17	-4.83	74.00	Peak

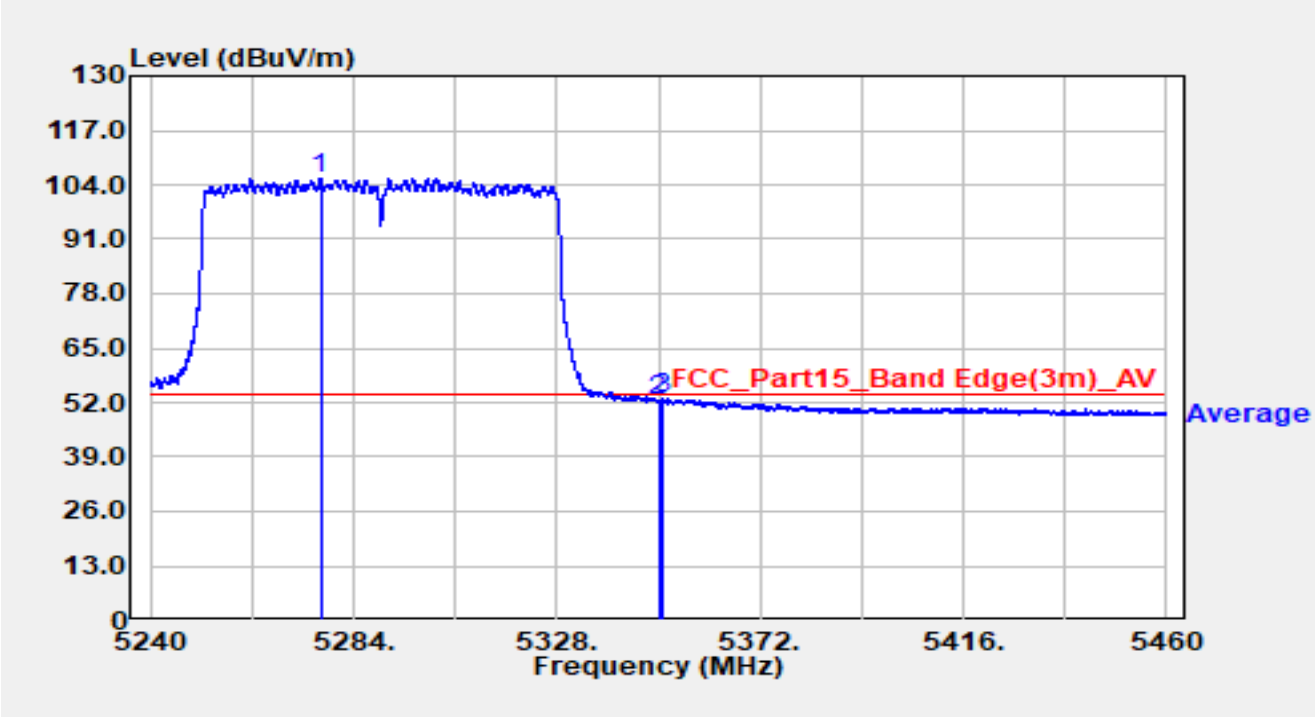
Notes:

1. " *", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)+ 16dB Attenuation (dB) -AMP (dB).

3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2024-11-11
Test Engineer	Bob Zhang	Temp./Humidity	22.3°C /63.0%
Factor	AC2 DRH18-E 1-18G	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ac-VHT80 at 5290MHz		



No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	5276.828	89.61	15.81	105.42	N/A	N/A	Average
2		5350.000	36.70	15.68	52.38	-1.62	54.00	Average
3		5350.880	37.22	15.68	52.90	-1.10	54.00	Average

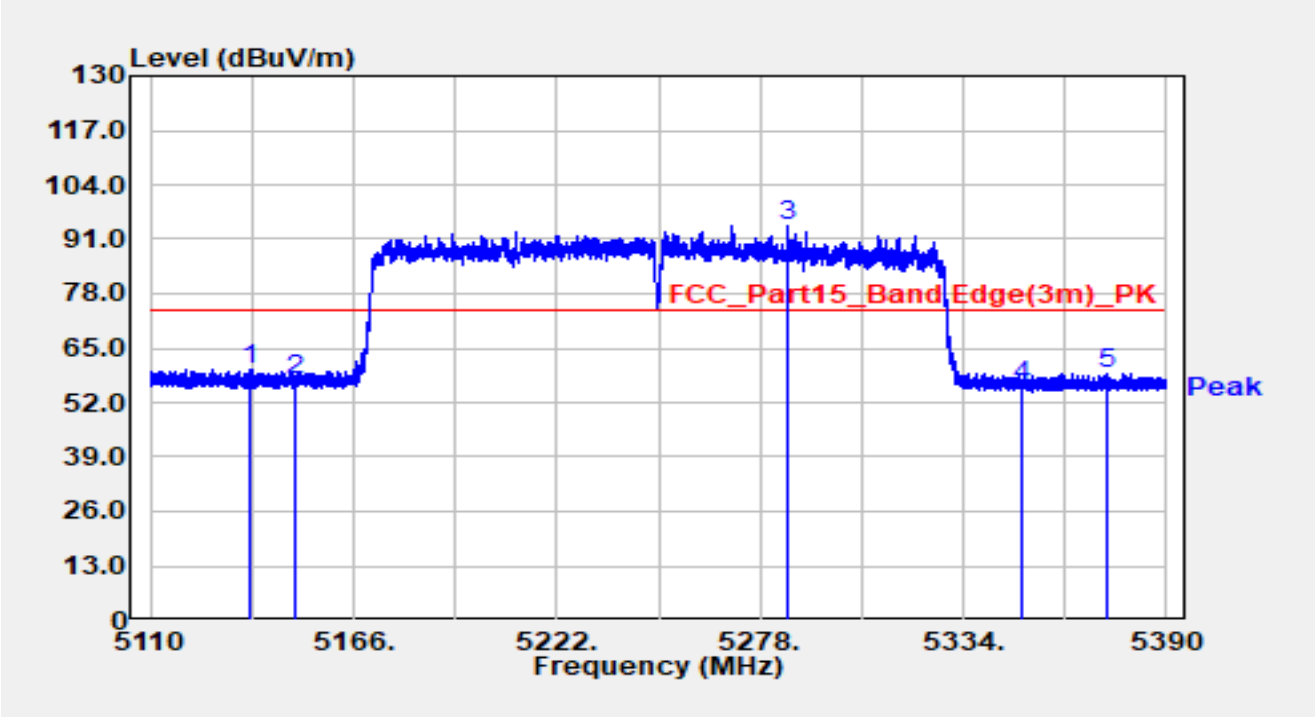
Notes:

1. " *", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)+ 16dB Attenuation (dB) -AMP (dB).

3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2024-11-11
Test Engineer	Bob Zhang	Temp./Humidity	22.3°C /63.0%
Factor	AC2 DRH18-E 1-18G	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE160 at 5250MHz		



No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		5137.748	44.07	15.97	60.05	-13.95	74.00	Peak
2		5150.000	41.62	16.00	57.62	-16.38	74.00	Peak
3	*	5285.700	78.27	15.78	94.05	N/A	N/A	Peak
4		5350.000	40.06	15.68	55.74	-18.26	74.00	Peak
5		5373.676	43.41	15.63	59.03	-14.97	74.00	Peak

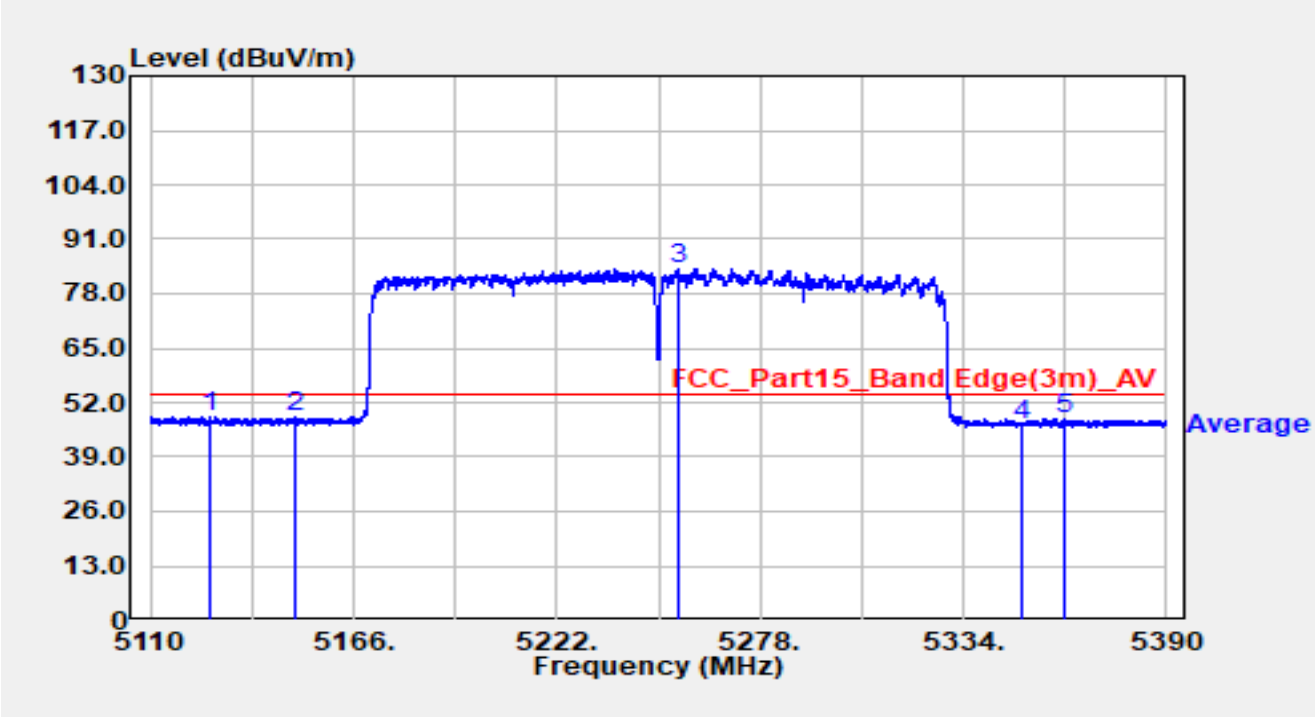
Notes:

1. " *", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)+ 16dB Attenuation (dB) -AMP (dB).

3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2024-11-11
Test Engineer	Bob Zhang	Temp./Humidity	22.3°C /63.0%
Factor	AC2 DRH18-E 1-18G	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE160 at 5250MHz		



No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		5126.324	32.50	16.01	48.51	-5.49	54.00	Average
2		5150.000	32.59	16.00	48.59	-5.41	54.00	Average
3	*	5255.208	67.86	15.94	83.81	N/A	N/A	Average
4		5350.000	31.03	15.68	46.71	-7.29	54.00	Average
5		5361.944	32.45	15.64	48.10	-5.90	54.00	Average

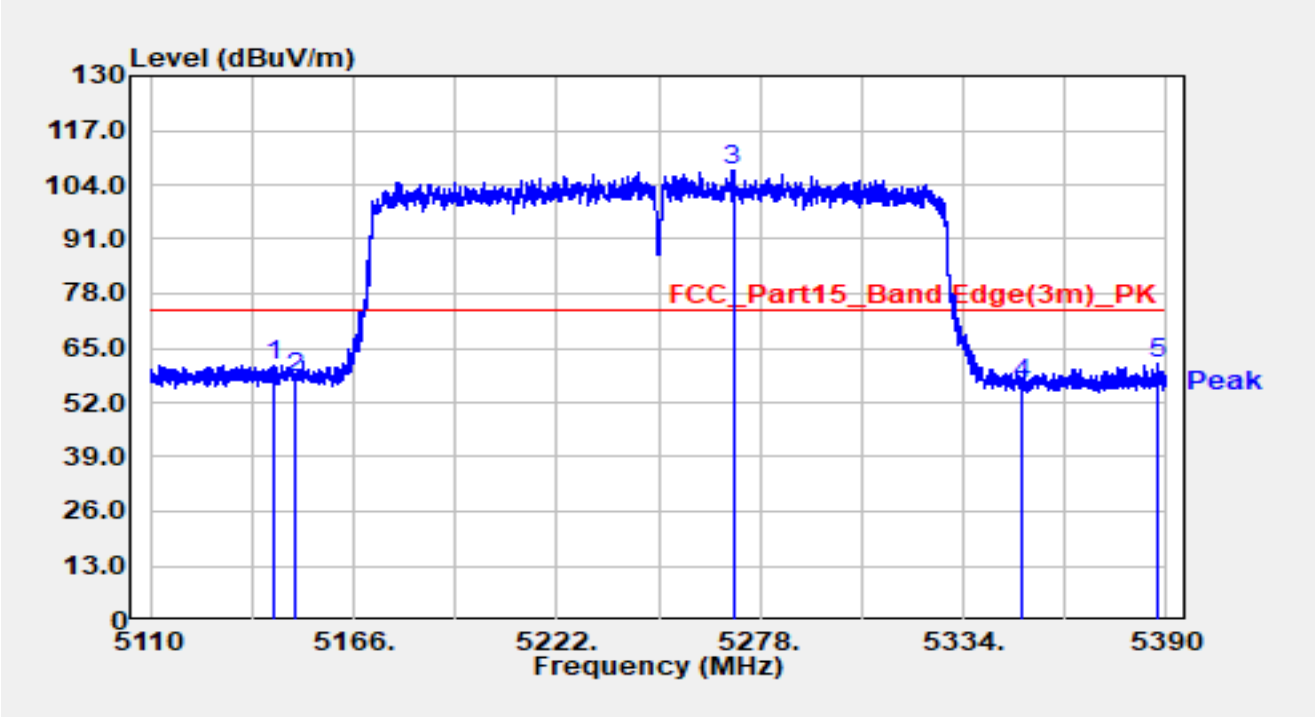
Notes:

1. " *", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)+ 16dB Attenuation (dB) -AMP (dB).

3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2024-11-11
Test Engineer	Bob Zhang	Temp./Humidity	22.3°C /63.0%
Factor	AC2 DRH18-E 1-18G	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE160 at 5250MHz		



No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		5144.104	44.95	15.99	60.93	-13.07	74.00	Peak
2		5150.000	41.86	16.00	57.85	-16.15	74.00	Peak
3	*	5270.552	91.59	15.86	107.45	N/A	N/A	Peak
4		5350.000	40.82	15.68	56.50	-17.50	74.00	Peak
5		5387.312	45.42	15.66	61.08	-12.92	74.00	Peak

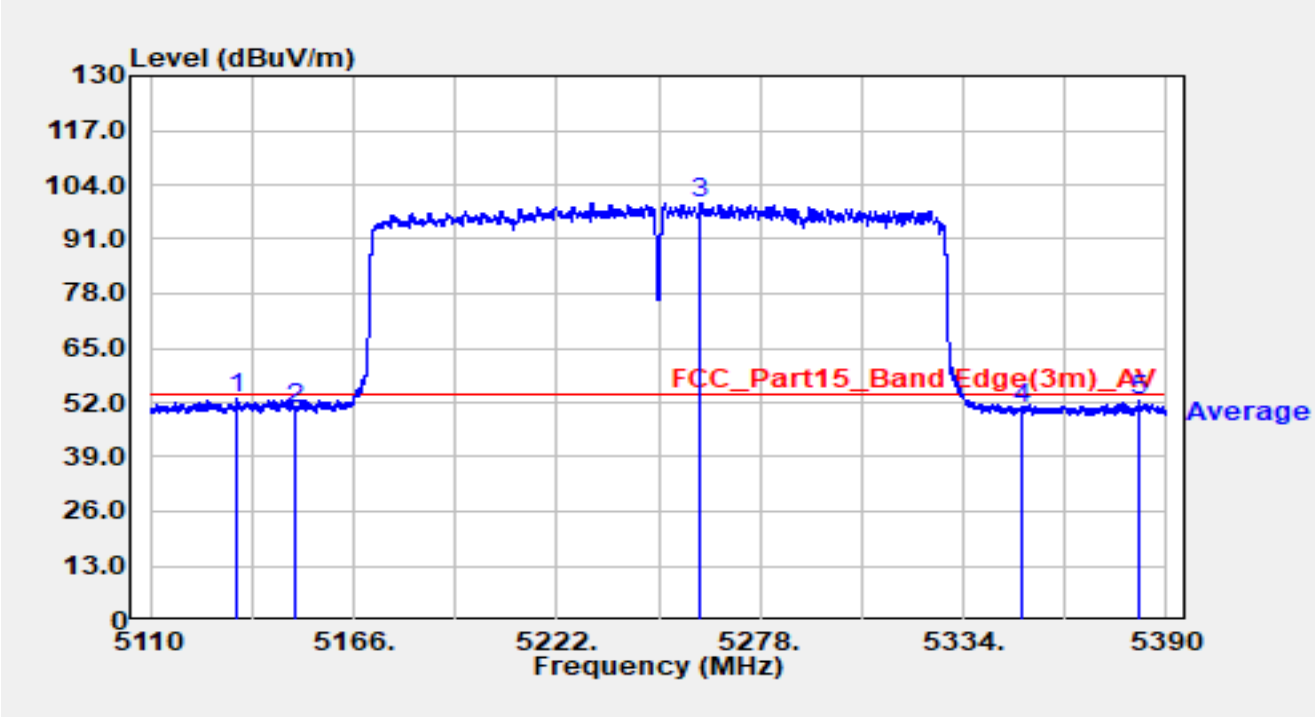
Notes:

1. " *", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)+ 16dB Attenuation (dB) -AMP (dB).

3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2024-11-11
Test Engineer	Bob Zhang	Temp./Humidity	22.3°C /63.0%
Factor	AC2 DRH18-E 1-18G	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE160 at 5250MHz		



No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		5133.576	37.02	15.96	52.98	-1.02	54.00	Average
2		5150.000	34.49	16.00	50.49	-3.51	54.00	Average
3	*	5261.732	83.89	15.91	99.81	N/A	N/A	Average
4		5350.000	34.98	15.68	50.66	-3.34	54.00	Average
5		5382.216	36.77	15.65	52.42	-1.58	54.00	Average

Notes:

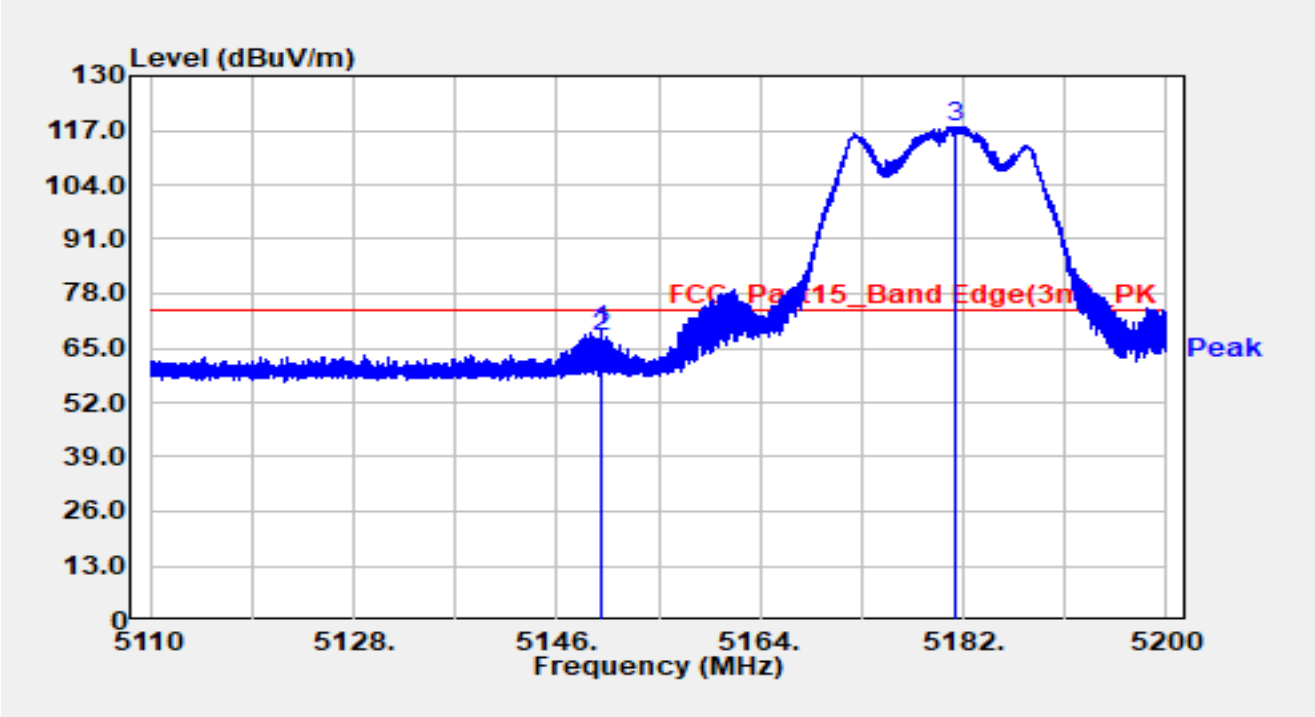
1. " *", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)+ 16dB Attenuation (dB) -AMP (dB).

3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

For Omni Antenna (AP-ANT-48):

Site	WJ-AC2	Test Date	2024-11-02
Test Engineer	Carl Jiang	Temp./Humidity	21.3°C /69.1%
Factor	AC2 DRH18-E 1-18G	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11a at 5180MHz		



No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		5149.861	53.10	16.00	69.09	-4.91	74.00	Peak
2		5150.000	51.55	16.00	67.55	-6.45	74.00	Peak
3	*	5181.298	101.88	15.93	117.81	N/A	N/A	Peak

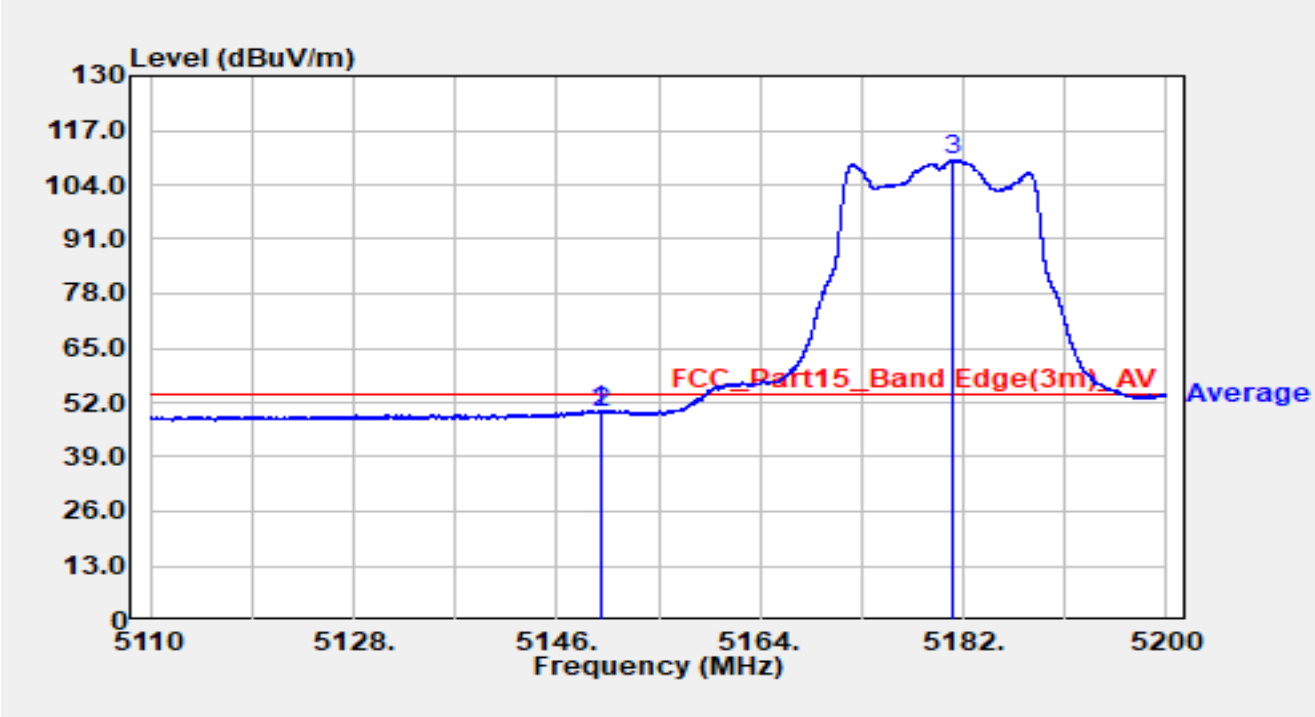
Notes:

1. " *", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)+ 16dB Attenuation (dB) -AMP (dB).

3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2024-11-02
Test Engineer	Carl Jiang	Temp./Humidity	21.3°C /69.1%
Factor	AC2 DRH18-E 1-18G	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11a at 5180MHz		



No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		5149.816	34.24	16.00	50.24	-3.76	54.00	Average
2		5150.000	33.59	16.00	49.59	-4.41	54.00	Average
3	*	5180.947	94.02	15.93	109.95	N/A	N/A	Average

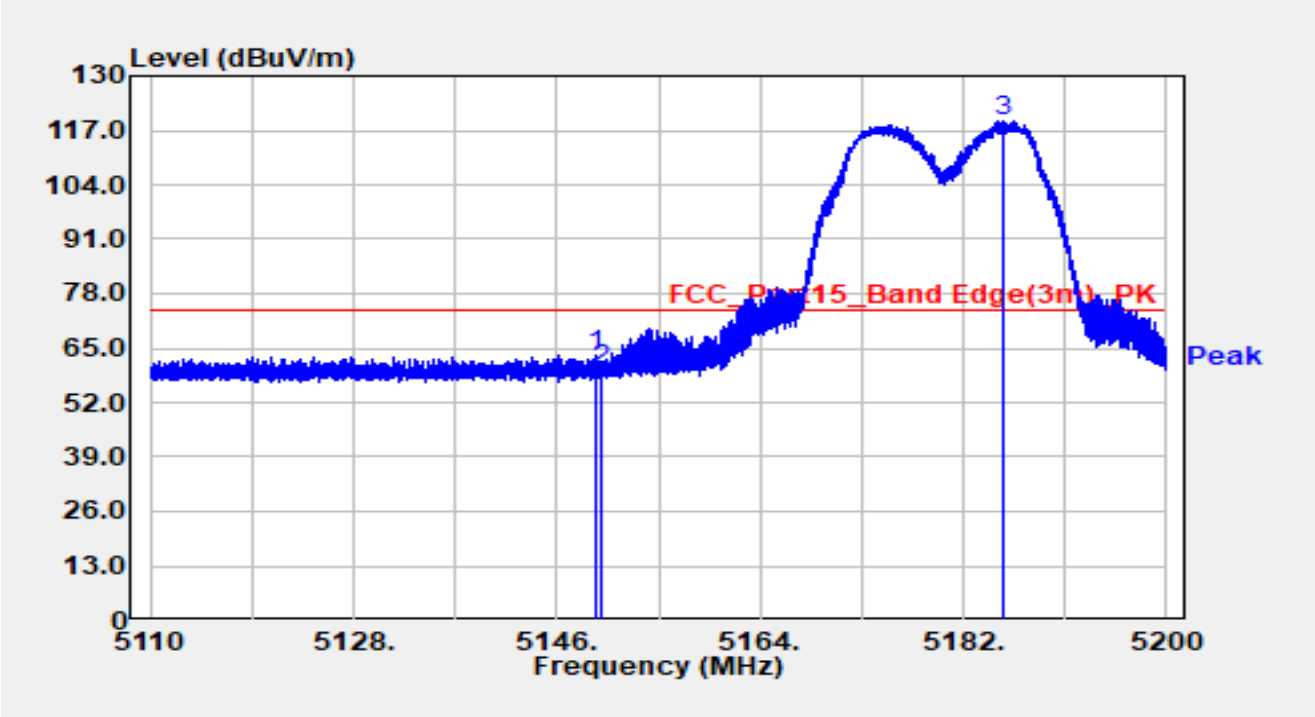
Notes:

1. " *", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)+ 16dB Attenuation (dB) -AMP (dB).

3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2024-11-02
Test Engineer	Carl Jiang	Temp./Humidity	21.3°C /69.1%
Factor	AC2 DRH18-E 1-18G	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11a at 5180MHz		



No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		5149.402	47.33	16.00	63.32	-10.68	74.00	Peak
2		5150.000	43.70	16.00	59.70	-14.30	74.00	Peak
3	*	5185.492	103.18	15.94	119.12	N/A	N/A	Peak

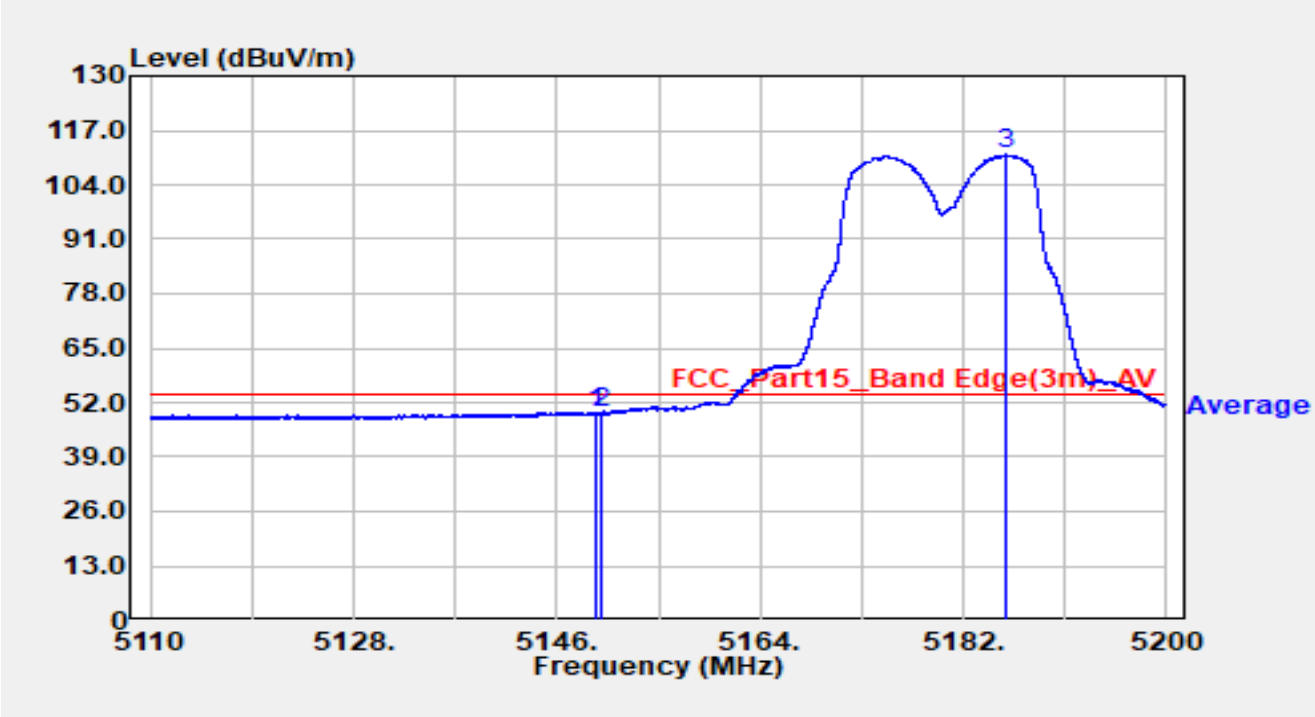
Notes:

1. " *", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)+ 16dB Attenuation (dB) -AMP (dB).

3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2024-11-02
Test Engineer	Carl Jiang	Temp./Humidity	21.3°C /69.1%
Factor	AC2 DRH18-E 1-18G	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11a at 5180MHz		



No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		5149.519	33.77	16.00	49.76	-4.24	54.00	Average
2		5150.000	33.42	16.00	49.42	-4.58	54.00	Average
3	*	5185.816	95.22	15.94	111.16	N/A	N/A	Average

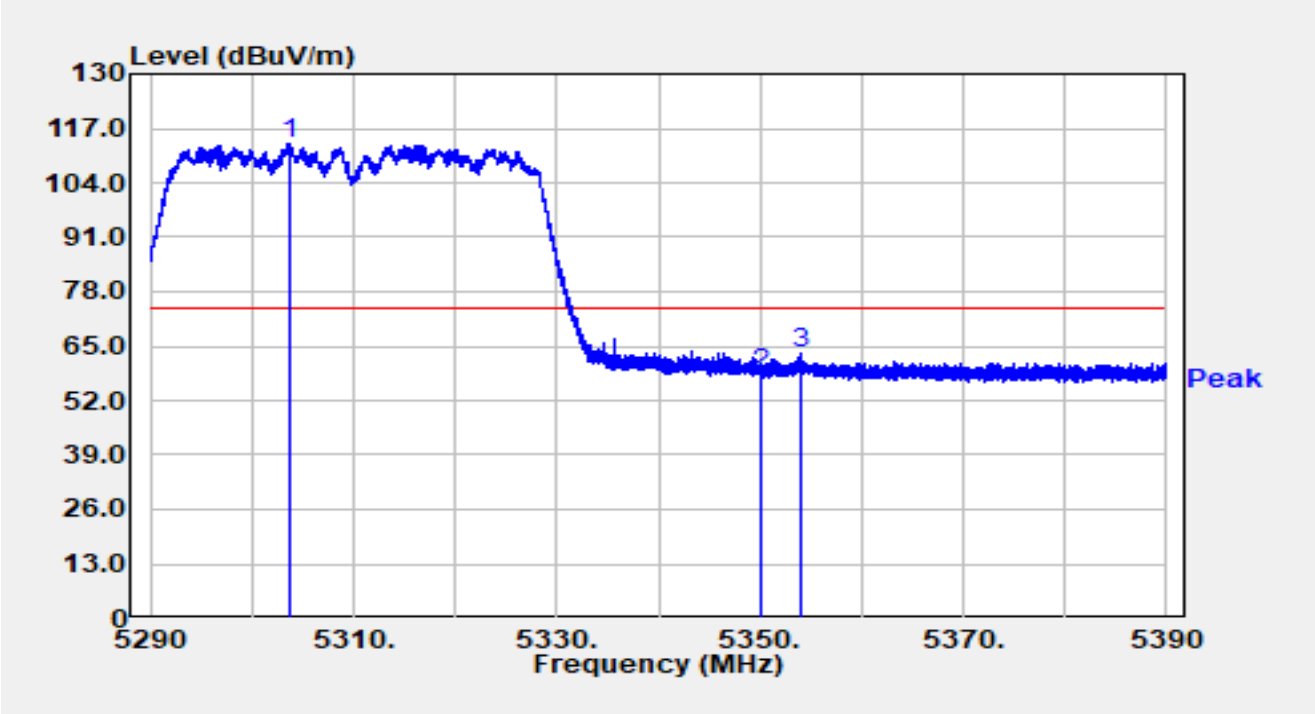
Notes:

1. " *", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)+ 16dB Attenuation (dB) -AMP (dB).

3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2024-11-09
Test Engineer	Carl Jiang	Temp./Humidity	20.1°C /55.9%
Factor	AC2 DRH18-E 1-18G	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ac-VHT40 at 5310MHz		



No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	5303.600	97.72	15.76	113.48	N/A	N/A	Peak
2		5350.000	42.66	15.68	58.34	-15.66	74.00	Peak
3		5354.030	47.42	15.67	63.09	-10.91	74.00	Peak

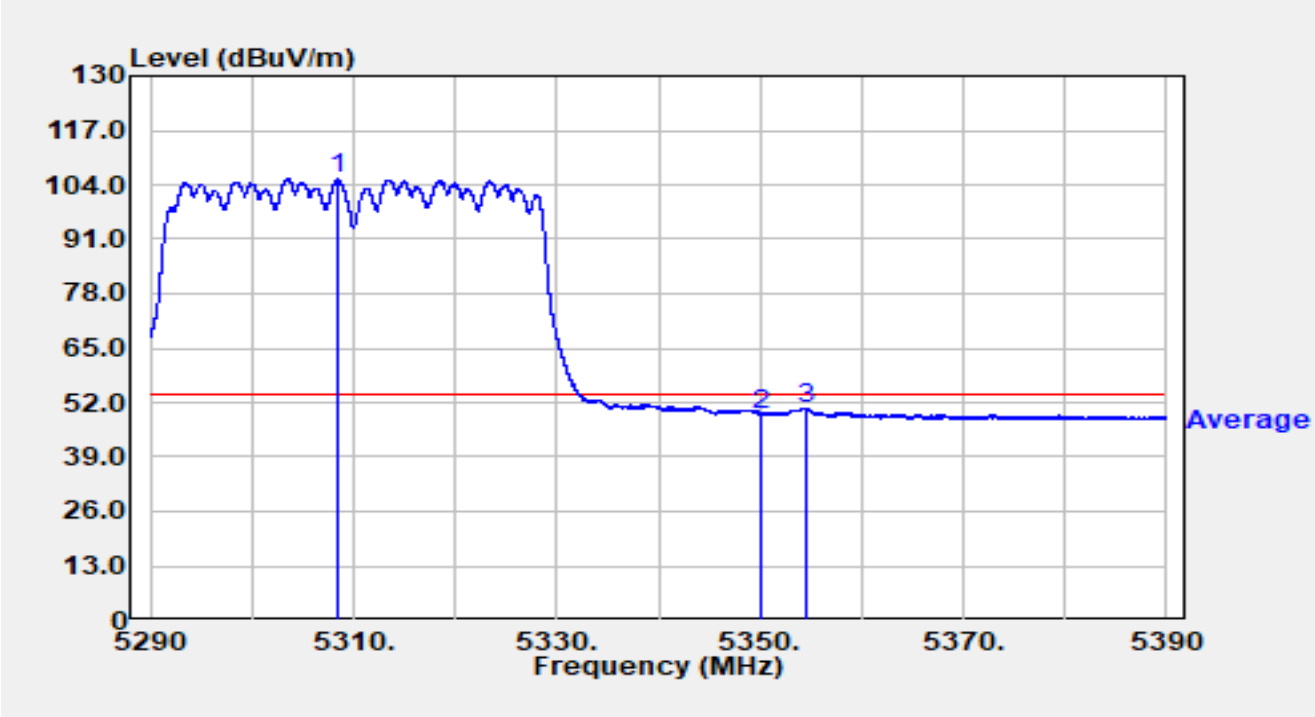
Notes:

1. " *", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)+ 16dB Attenuation (dB) -AMP (dB).

3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2024-11-09
Test Engineer	Carl Jiang	Temp./Humidity	20.1°C /55.9%
Factor	AC2 DRH18-E 1-18G	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ac-VHT40 at 5310MHz		



No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	5308.490	89.57	15.77	105.33	N/A	N/A	Average
2		5350.000	33.60	15.68	49.28	-4.72	54.00	Average
3		5354.490	35.01	15.67	50.68	-3.32	54.00	Average

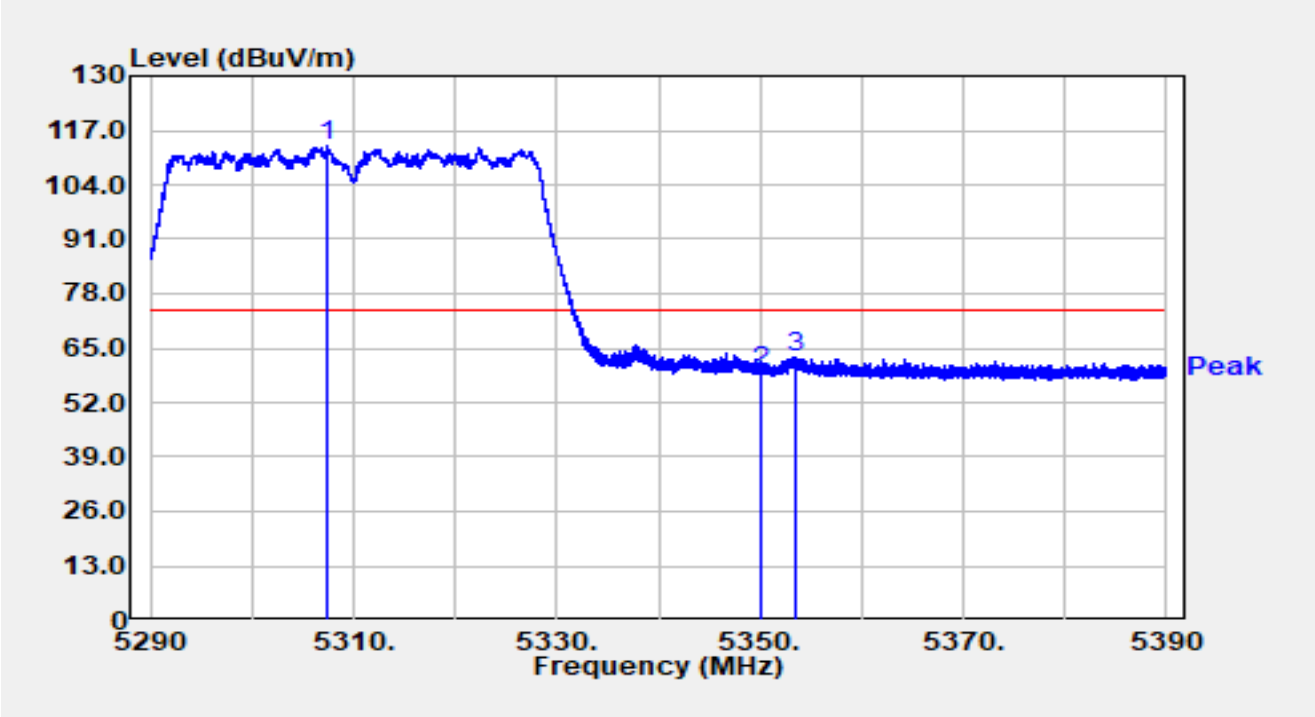
Notes:

1. " *", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)+ 16dB Attenuation (dB) -AMP (dB).

3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2024-11-09
Test Engineer	Carl Jiang	Temp./Humidity	20.1°C /55.9%
Factor	AC2 DRH18-E 1-18G	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ac-VHT40 at 5310MHz		



No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	5307.510	97.35	15.77	113.11	N/A	N/A	Peak
2		5350.000	43.64	15.68	59.32	-14.68	74.00	Peak
3		5353.620	46.99	15.67	62.67	-11.33	74.00	Peak

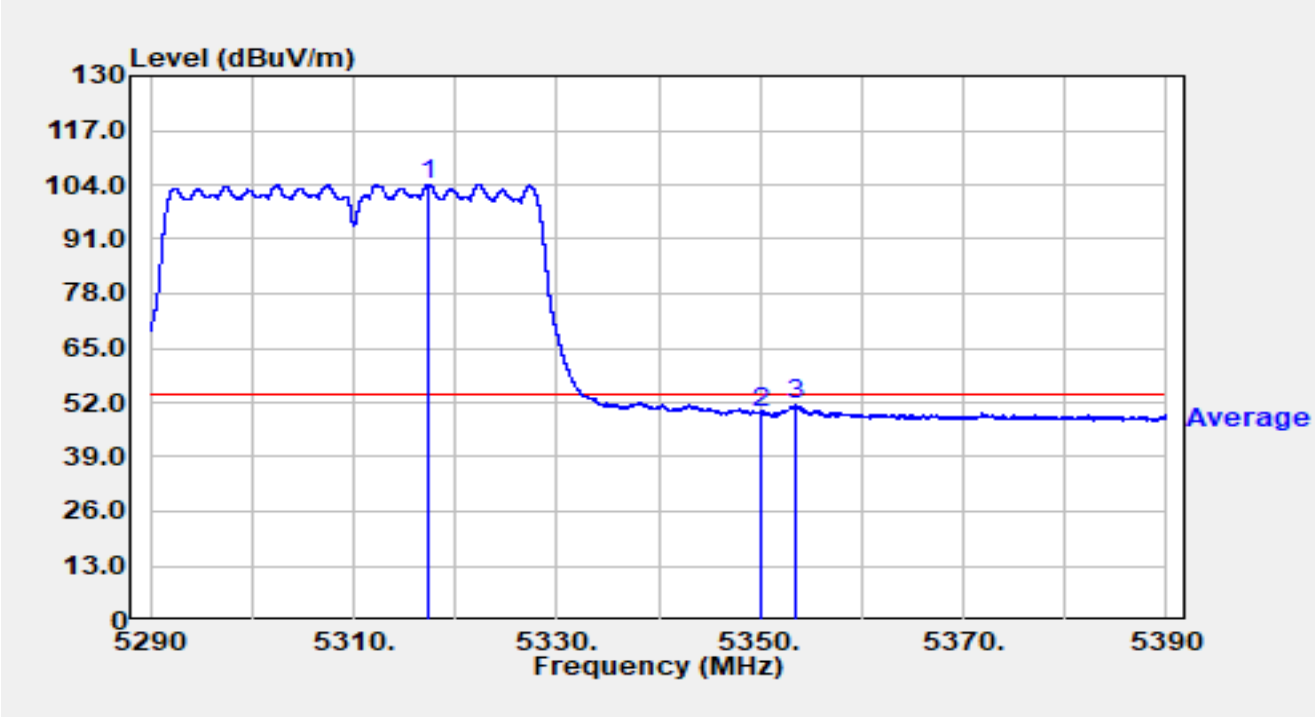
Notes:

1. " *", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)+ 16dB Attenuation (dB) -AMP (dB).

3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2024-11-09
Test Engineer	Carl Jiang	Temp./Humidity	20.1°C /55.9%
Factor	AC2 DRH18-E 1-18G	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ac-VHT40 at 5310MHz		



No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	5317.390	88.33	15.79	104.13	N/A	N/A	Average
2		5350.000	33.99	15.68	49.67	-4.33	54.00	Average
3		5353.430	35.86	15.67	51.53	-2.47	54.00	Average

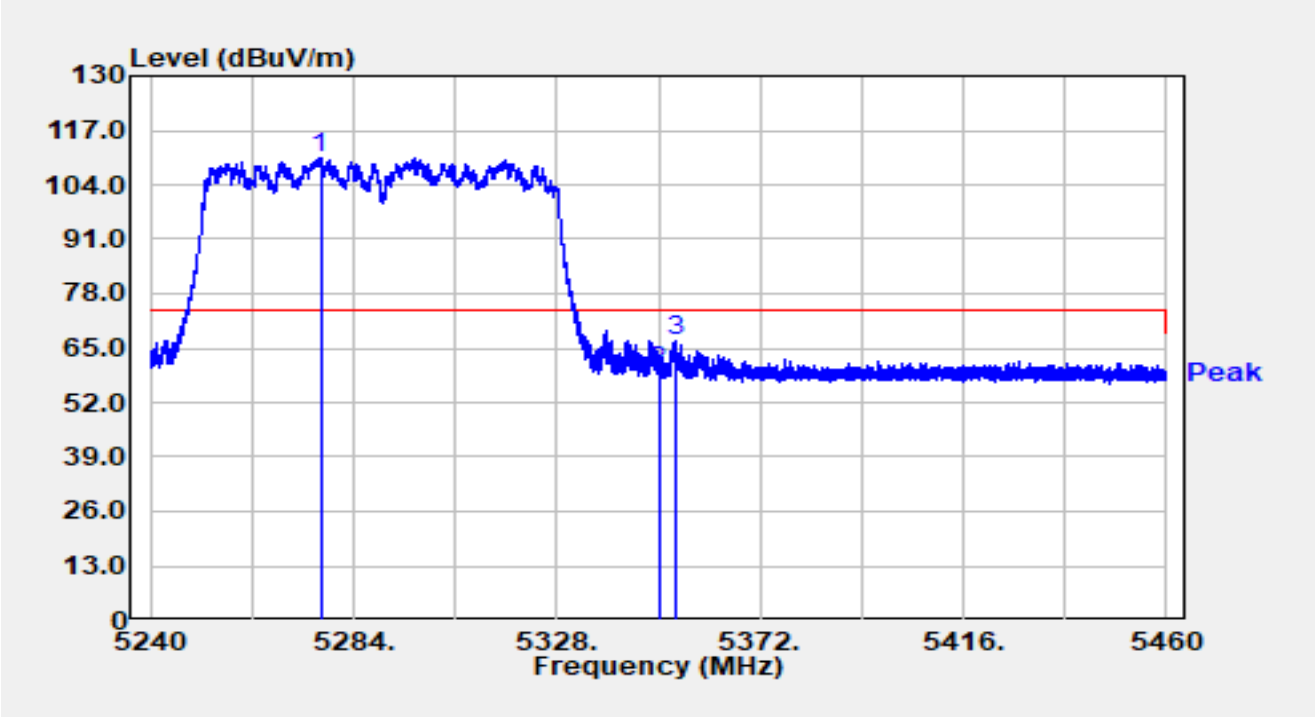
Notes:

1. " *", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)+ 16dB Attenuation (dB) -AMP (dB).

3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2024-11-09
Test Engineer	Carl Jiang	Temp./Humidity	20.1°C /55.9%
Factor	AC2 DRH18-E 1-18G	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ac-VHT80 at 5290MHz		



No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	5276.828	94.78	15.81	110.60	N/A	N/A	Peak
2		5350.000	43.83	15.68	59.51	-14.49	74.00	Peak
3		5353.520	51.04	15.67	66.71	-7.29	74.00	Peak

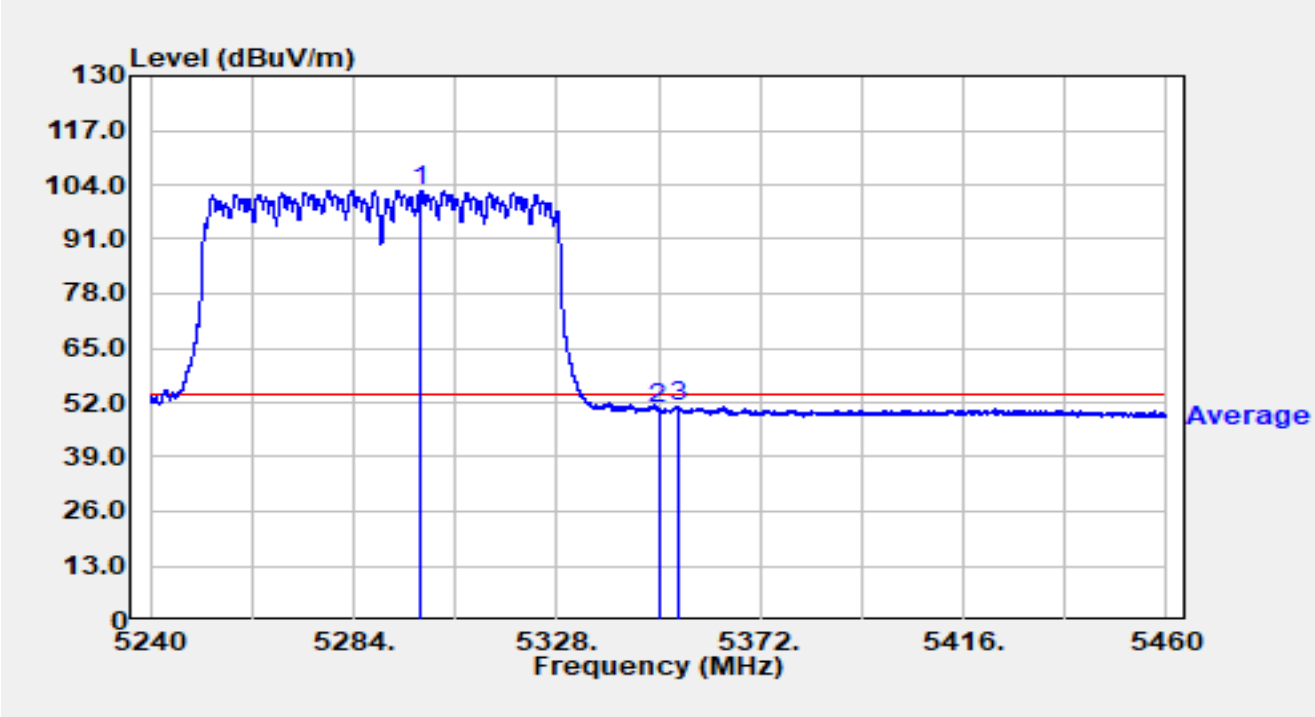
Notes:

1. " *", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)+ 16dB Attenuation (dB) -AMP (dB).

3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2024-11-09
Test Engineer	Carl Jiang	Temp./Humidity	20.1°C /55.9%
Factor	AC2 DRH18-E 1-18G	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ac-VHT80 at 5290MHz		



No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	5298.388	86.95	15.77	102.72	N/A	N/A	Average
2		5350.000	34.71	15.68	50.39	-3.61	54.00	Average
3		5354.224	35.35	15.67	51.02	-2.98	54.00	Average

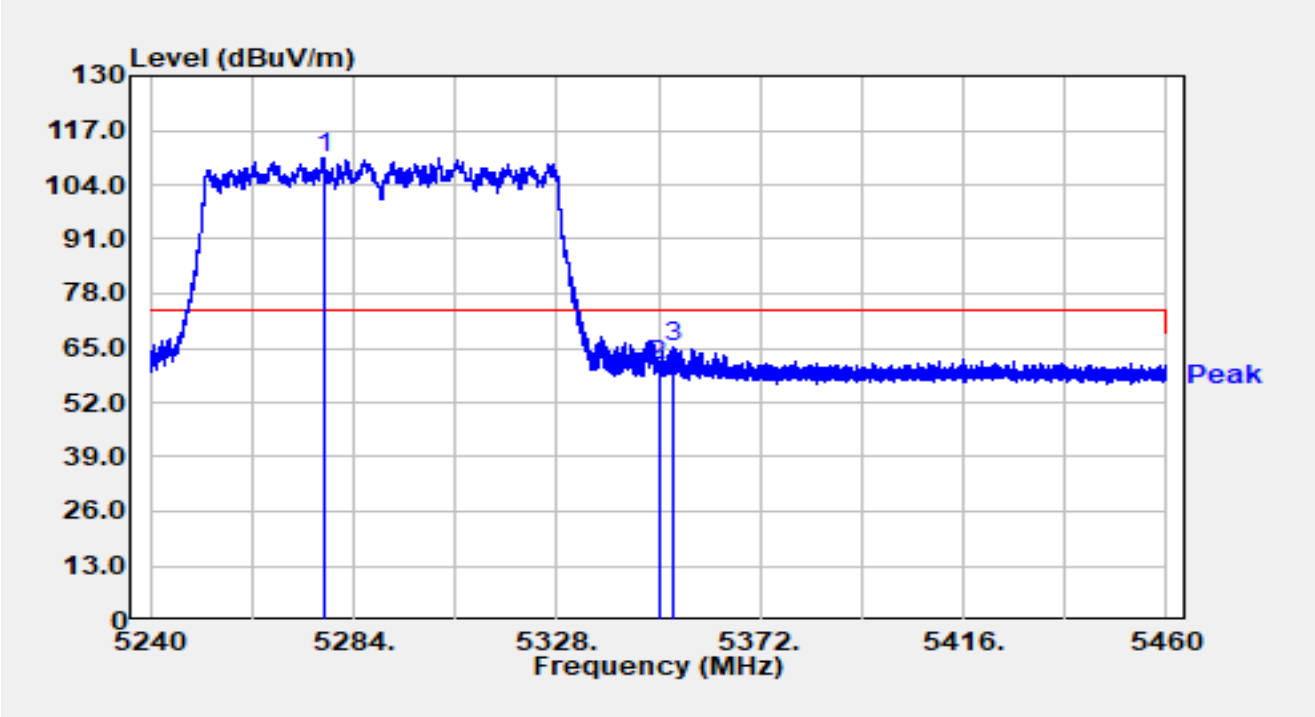
Notes:

1. " *", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)+ 16dB Attenuation (dB) -AMP (dB).

3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2024-11-09
Test Engineer	Carl Jiang	Temp./Humidity	20.1°C /55.9%
Factor	AC2 DRH18-E 1-18G	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ac-VHT80 at 5290MHz		



No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	5277.422	94.56	15.81	110.37	N/A	N/A	Peak
2		5350.000	44.97	15.68	60.65	-13.35	74.00	Peak
3		5353.036	49.76	15.67	65.43	-8.57	74.00	Peak

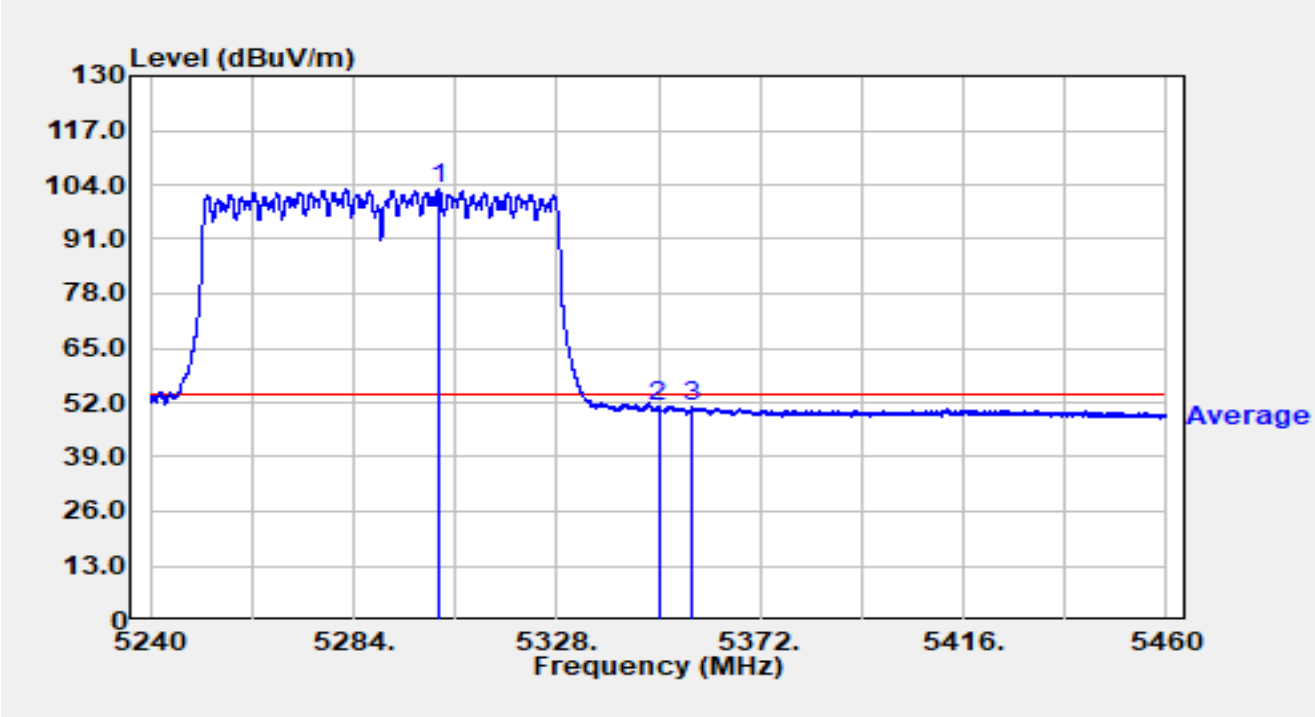
Notes:

1. " *", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)+ 16dB Attenuation (dB) -AMP (dB).

3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2024-11-09
Test Engineer	Carl Jiang	Temp./Humidity	20.1°C /55.9%
Factor	AC2 DRH18-E 1-18G	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ac-VHT80 at 5290MHz		



No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	5302.414	87.25	15.76	103.01	N/A	N/A	Average
2		5350.000	35.11	15.68	50.79	-3.21	54.00	Average
3		5357.370	35.60	15.66	51.26	-2.74	54.00	Average

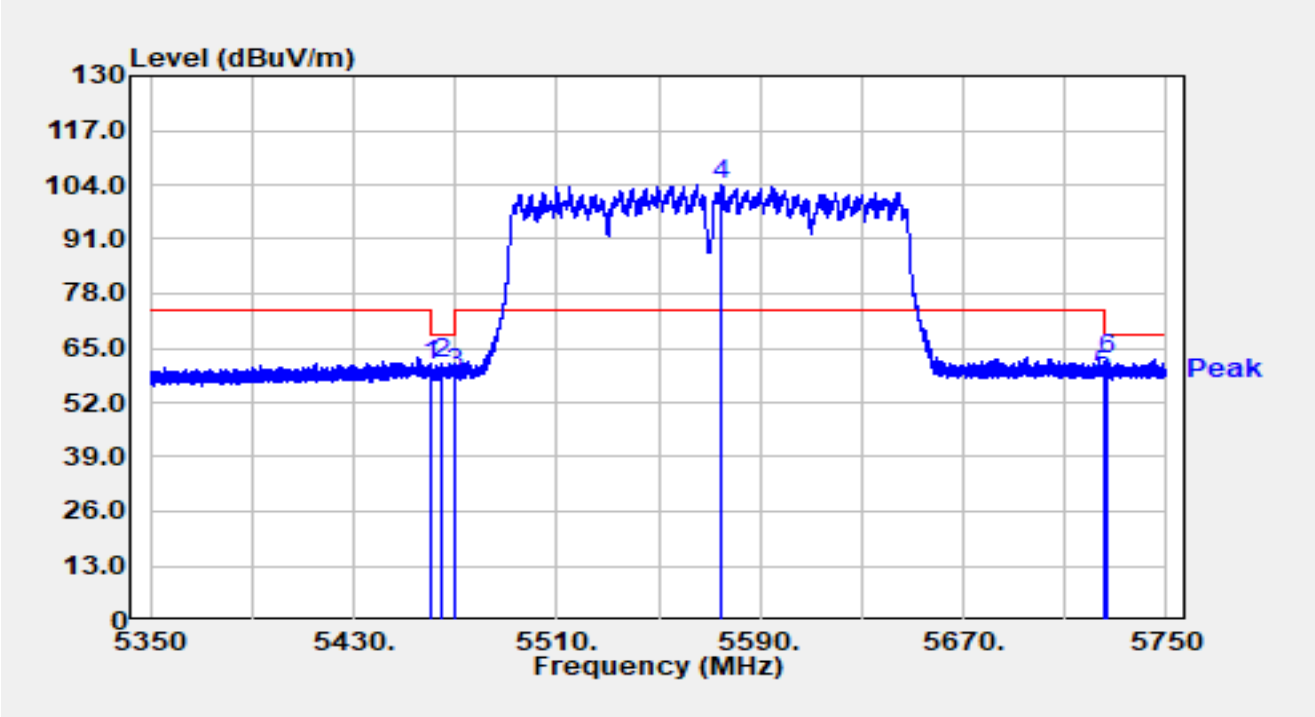
Notes:

1. " *", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)+ 16dB Attenuation (dB) -AMP (dB).

3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2024-11-09
Test Engineer	Carl Jiang	Temp./Humidity	20.1°C /55.9%
Factor	AC2 DRH18-E 1-18G	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ac-VHT160 at 5570MHz		

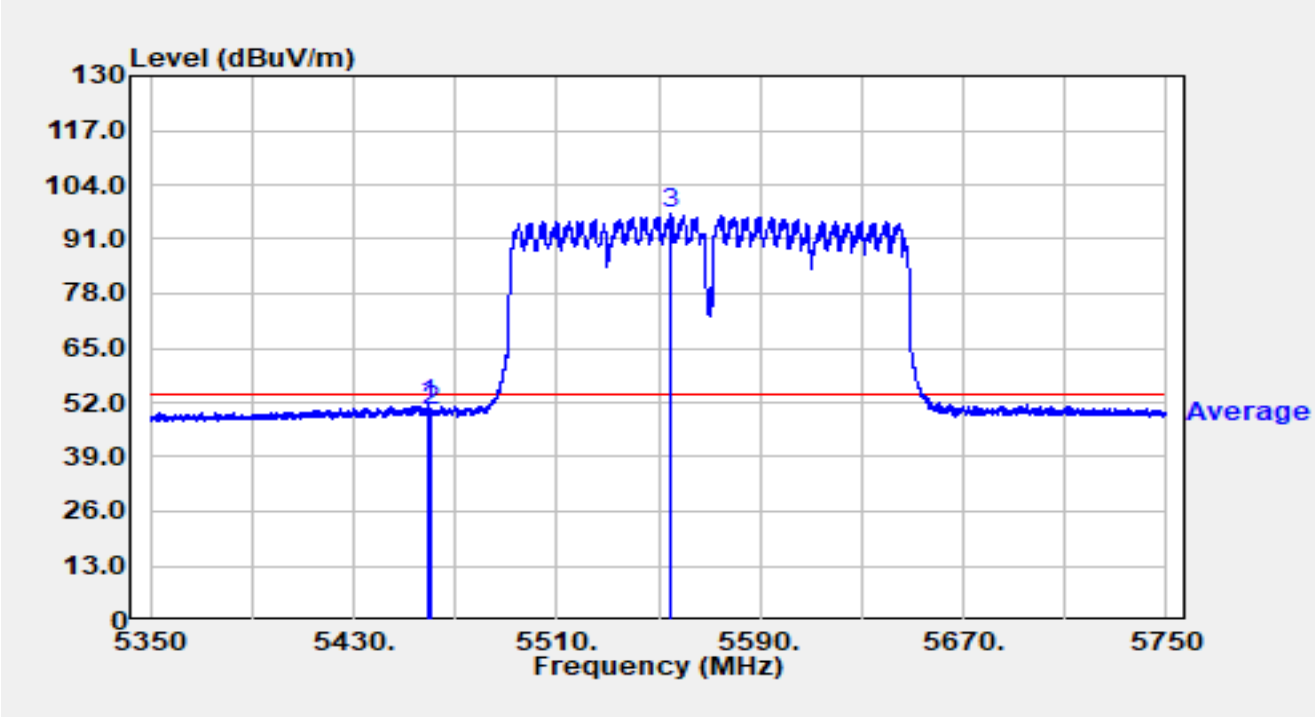


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		5460.000	44.71	16.02	60.73	-7.47	68.20	Peak
2		5465.000	45.54	16.00	61.54	-6.66	68.20	Peak
3		5470.000	42.93	15.98	58.91	-9.29	68.20	Peak
4	*	5575.000	87.59	16.42	104.01	N/A	N/A	Peak
5		5725.000	41.59	16.92	58.51	-9.69	68.20	Peak
6		5726.720	45.26	16.93	62.19	-6.01	68.20	Peak

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)+ 16dB Attenuation (dB) -AMP (dB).
3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2024-11-09
Test Engineer	Carl Jiang	Temp./Humidity	20.1°C /55.9%
Factor	AC2 DRH18-E 1-18G	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ac-VHT160 at 5570MHz		



No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		5459.120	35.38	16.03	51.40	-2.60	54.00	Average
2		5460.000	34.05	16.02	50.07	-3.93	54.00	Average
3	*	5554.840	80.69	16.29	96.98	N/A	N/A	Average

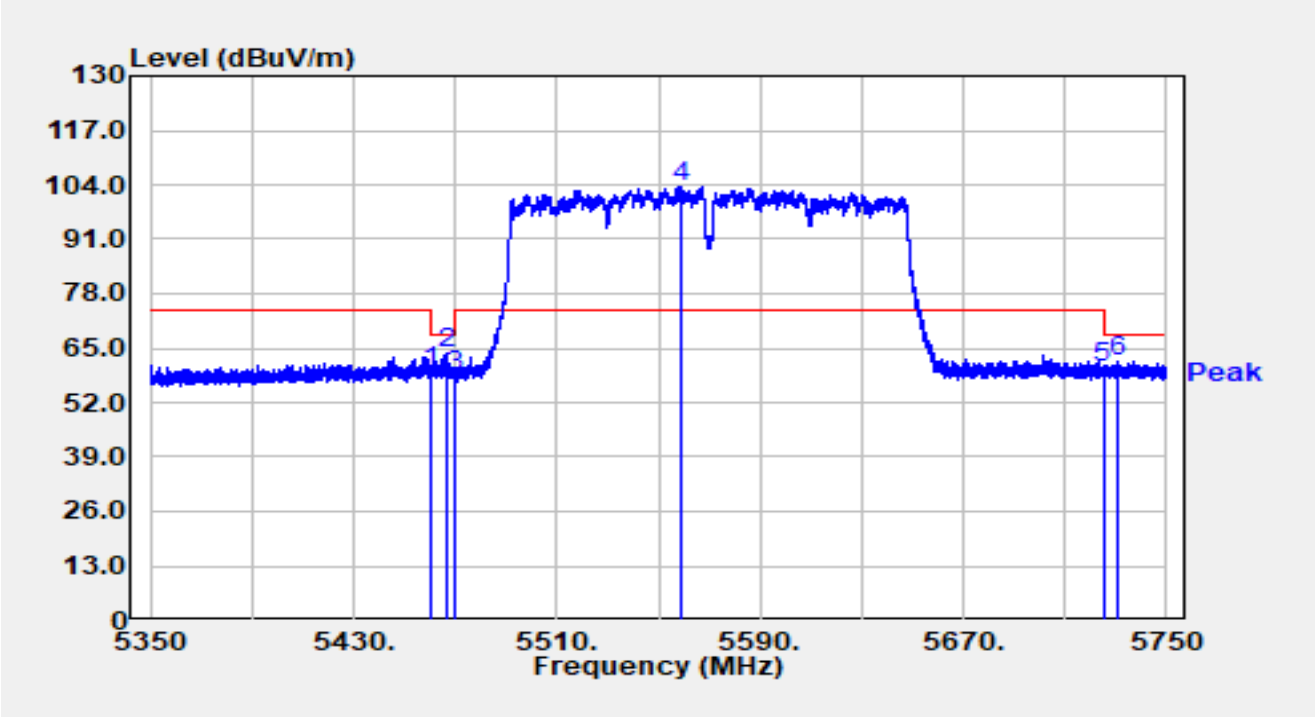
Notes:

1. " *", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)+ 16dB Attenuation (dB) -AMP (dB).

3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2024-11-09
Test Engineer	Carl Jiang	Temp./Humidity	20.1°C /55.9%
Factor	AC2 DRH18-E 1-18G	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ac-VHT160 at 5570MHz		

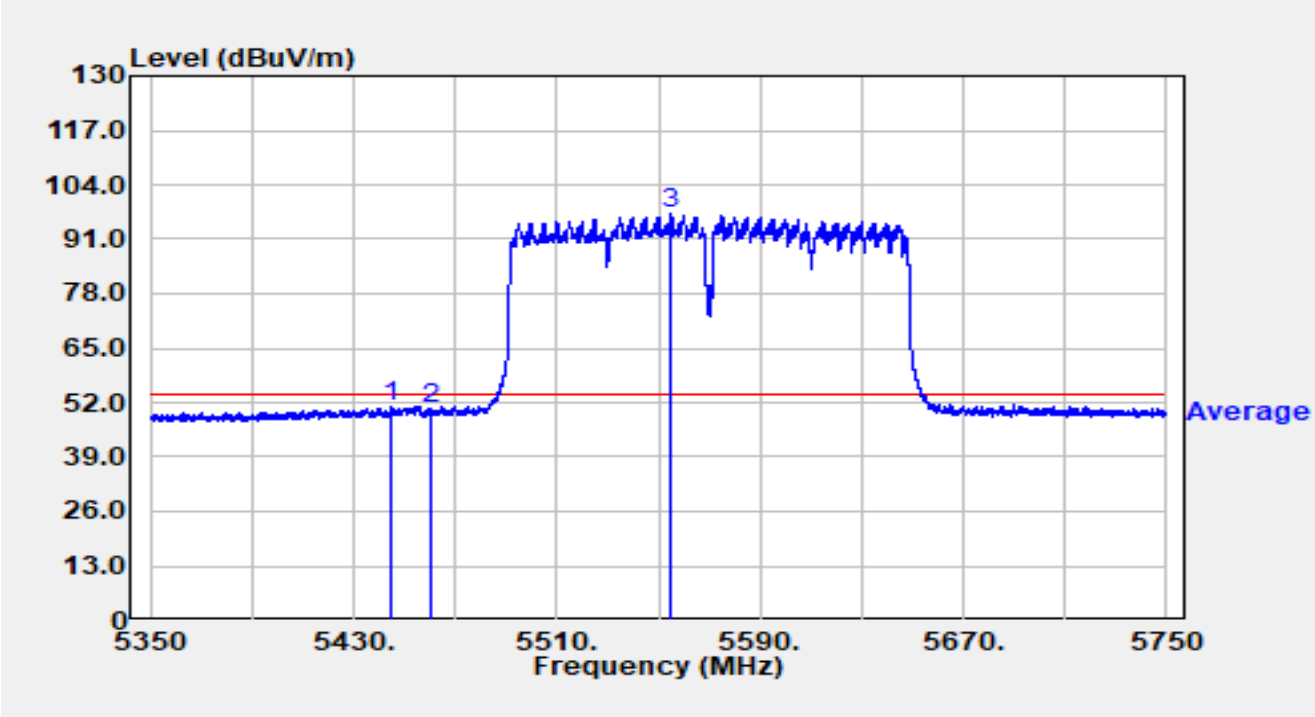


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		5460.000	43.20	16.02	59.22	-8.98	68.20	Peak
2		5466.600	47.77	15.99	63.76	-4.44	68.20	Peak
3		5470.000	42.57	15.98	58.55	-9.65	68.20	Peak
4	*	5559.240	87.20	16.32	103.52	N/A	N/A	Peak
5		5725.000	43.45	16.92	60.37	-7.83	68.20	Peak
6		5730.800	44.96	16.94	61.89	-6.31	68.20	Peak

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)+ 16dB Attenuation (dB) -AMP (dB).
3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2024-11-09
Test Engineer	Carl Jiang	Temp./Humidity	20.1°C /55.9%
Factor	AC2 DRH18-E 1-18G	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ac-VHT160 at 5570MHz		



No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		5445.000	35.32	15.93	51.26	-2.74	54.00	Average
2		5460.000	34.30	16.02	50.32	-3.68	54.00	Average
3	*	5554.960	80.70	16.29	96.99	N/A	N/A	Average

Notes:

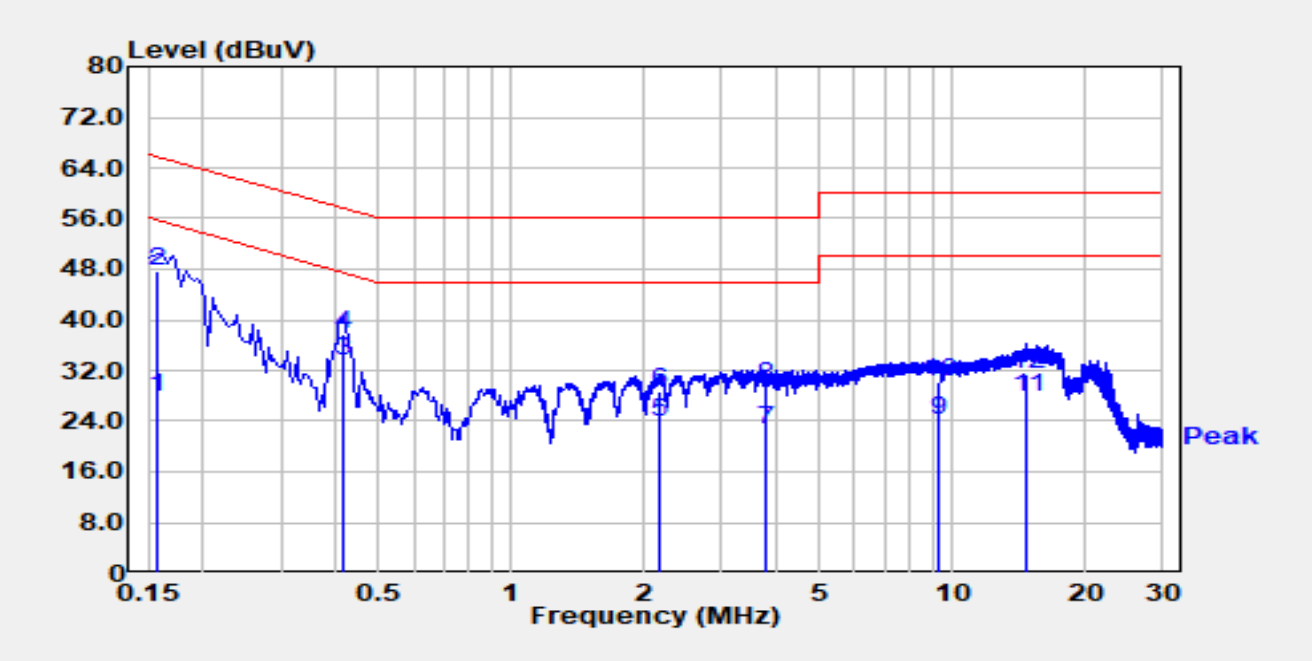
1. " *", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)+ 16dB Attenuation (dB) -AMP (dB).

3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

A.9 AC Conducted Emissions Test Result

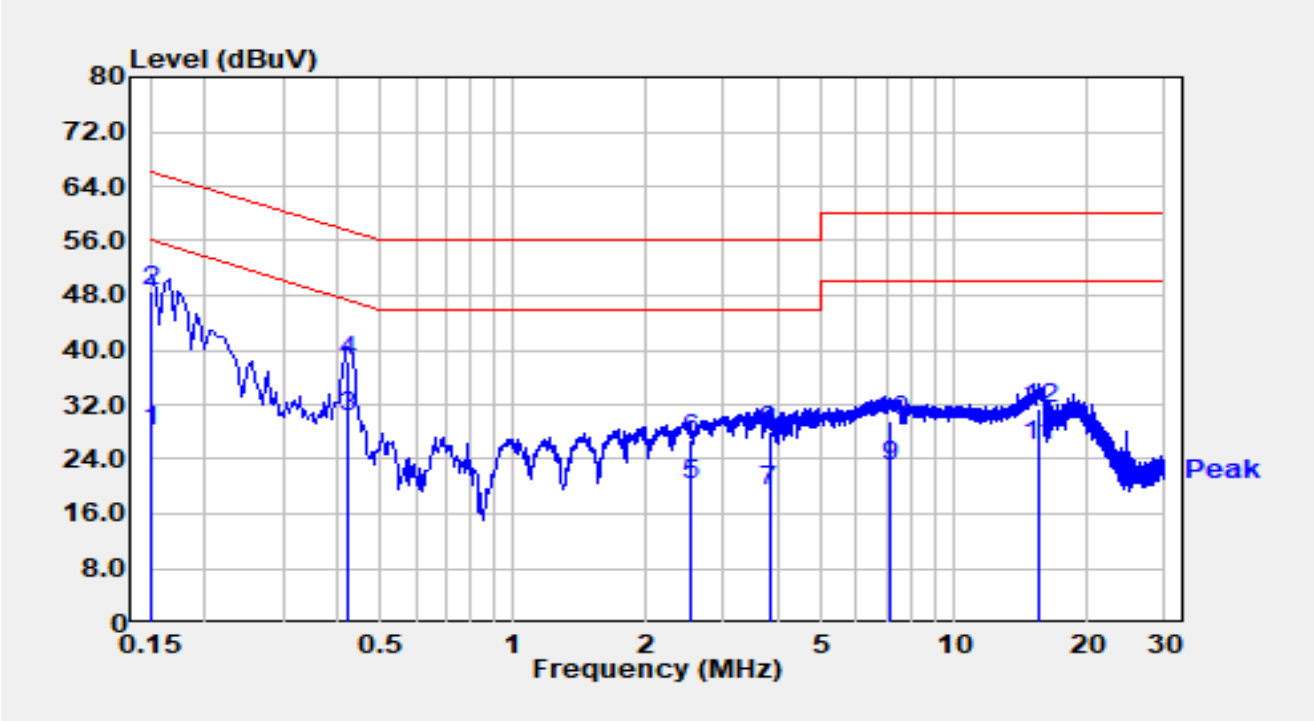
Site	WJ-SR5	Test Date	2024-10-30
Test Engineer	Andrew Fu	Temp./Humidity	20.9°C /58.9%
Factor	ENV216-07202_L1_Filter Off_C	Polarity	Line
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE20 at 5240MHz		



No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB)	Measurement (dBμV)	Margin (dB)	Limit (dBμV)	Detector
1		0.158	17.80	9.87	27.67	-27.90	55.57	Average
2		0.158	37.90	9.87	47.77	-17.80	65.57	QP
3	*	0.414	23.50	9.89	33.39	-14.18	47.57	Average
4		0.414	27.80	9.89	37.69	-19.88	57.57	QP
5		2.180	13.60	10.11	23.71	-22.29	46.00	Average
6		2.180	18.60	10.11	28.71	-27.29	56.00	QP
7		3.760	12.50	10.16	22.66	-23.34	46.00	Average
8		3.760	19.40	10.16	29.56	-26.44	56.00	QP
9		9.290	13.80	10.36	24.16	-25.84	50.00	Average
10		9.290	19.80	10.36	30.16	-29.84	60.00	QP
11		14.770	17.10	10.52	27.62	-22.38	50.00	Average
12		14.770	20.90	10.52	31.42	-28.58	60.00	QP

Notes:
1. " *", means this data is the worst emission level.
2. C.F (dB) = LISN Factor (dB) + Cable Loss (dB).
3. Measurement (dBμV) = Reading (dBμV) + C.F (dB).

Site	WJ-SR5	Test Date	2024-10-30
Test Engineer	Andrew Fu	Temp./Humidity	20.9°C /58.9%
Factor	ENV216-07202_N_Filter Off_C	Polarity	Neutral
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE20 at 5240MHz		



No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB)	Measurement (dBμV)	Margin (dB)	Limit (dBμV)	Detector
1		0.150	18.30	9.76	28.06	-27.94	56.00	Average
2		0.150	38.80	9.76	48.56	-17.44	66.00	QP
3	*	0.422	20.30	9.80	30.10	-17.30	47.41	Average
4		0.422	28.60	9.80	38.40	-19.00	57.41	QP
5		2.510	10.10	10.05	20.15	-25.85	46.00	Average
6		2.510	16.90	10.05	26.95	-29.05	56.00	QP
7		3.800	9.10	10.09	19.19	-26.81	46.00	Average
8		3.800	17.90	10.09	27.99	-28.01	56.00	QP
9		7.170	12.60	10.23	22.83	-27.17	50.00	Average
10		7.170	19.30	10.23	29.53	-30.47	60.00	QP
11		15.540	15.40	10.52	25.92	-24.08	50.00	Average
12		15.540	20.80	10.52	31.32	-28.68	60.00	QP

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB) = LISN Factor (dB) + Cable Loss (dB).

3. Measurement (dBμV) = Reading (dBμV) + C.F (dB).

Appendix B – Test Setup Photograph

Refer to “2407RSU042-UT” file.

Appendix C – EUT Photograph

Refer to “2407RSU042-UE” file.

The End