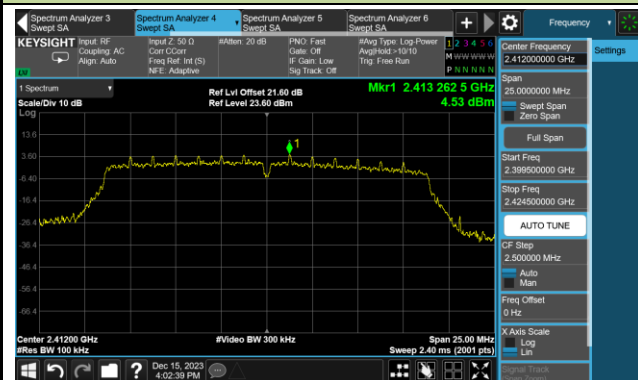


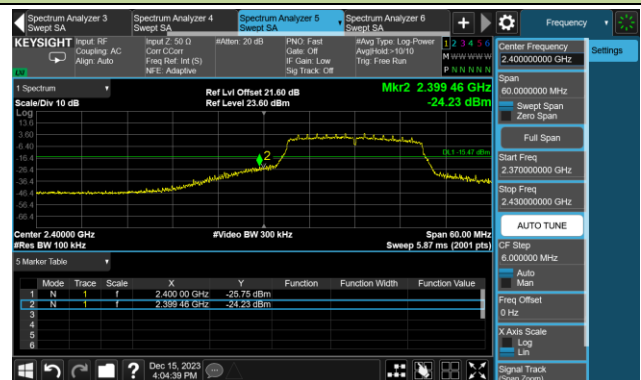
802.11n-HT20 Out-of-Band Emissions

Channel 01 (2412MHz)

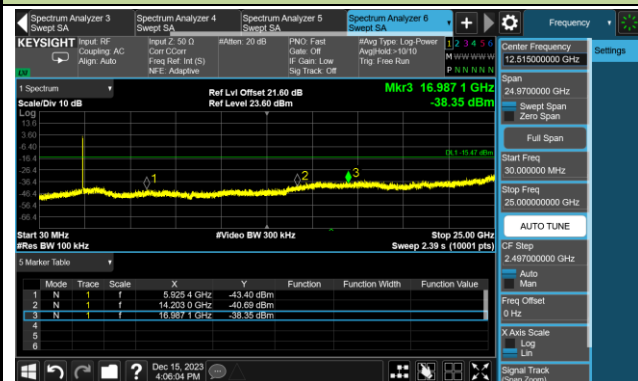
Reference Level



Low Band Edge

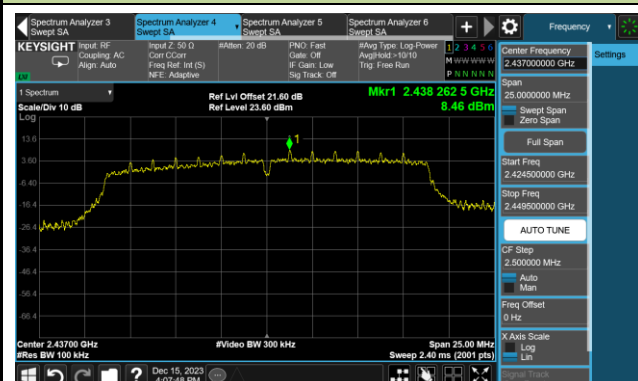


Spurious Emission

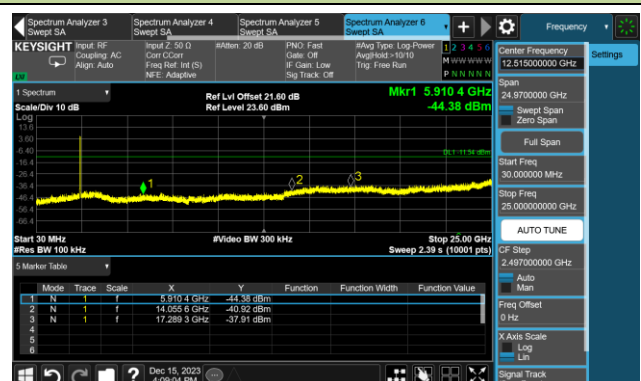


Channel 06 (2437MHz)

Reference Level



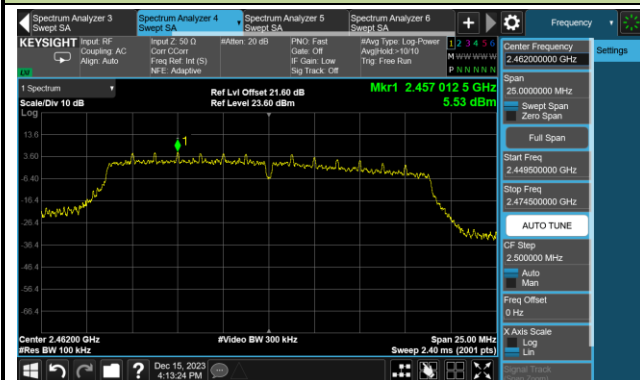
Spurious Emission



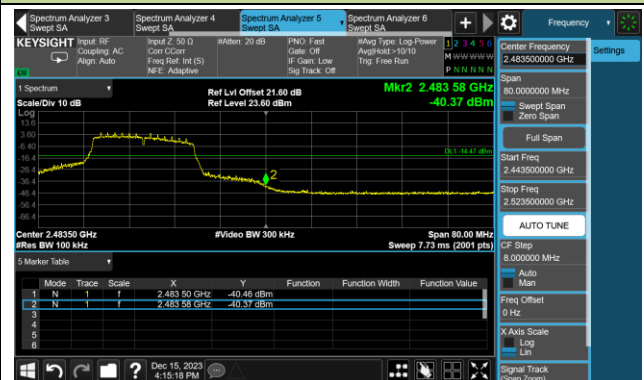
802.11n-HT20 Out-of-Band Emissions

Channel 11 (2462MHz)

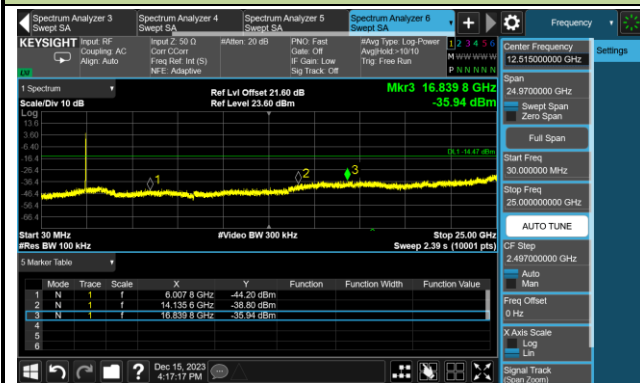
Reference Level



High Band Edge



Spurious Emission



A.6 Radiated Spurious Emission Test Result

Test Site	WZ-AC1	Test Engineer	Carl Jiang
Test Date	2023-12-13	Test Mode	802.11b
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.		

Test Channel	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
01	7392.0	36.5	8.5	45.0	74.0	-29.0	Peak	Horizontal
	10800.5	36.1	14.1	50.2	74.0	-23.8	Peak	Horizontal
	12296.5	37.2	12.2	49.4	74.0	-24.6	Peak	Horizontal
	7426.0	37.1	8.5	45.6	74.0	-28.4	Peak	Vertical
	10996.0	35.2	14.4	49.6	74.0	-24.4	Peak	Vertical
	11489.0	35.9	13.8	49.7	74.0	-24.3	Peak	Vertical
06	7366.5	36.7	8.6	45.3	74.0	-28.7	Peak	Horizontal
	11064.0	36.1	13.9	50.0	74.0	-24.0	Peak	Horizontal
	12296.5	36.8	12.2	49.0	74.0	-25.0	Peak	Horizontal
	7553.5	37.8	8.5	46.3	74.0	-27.7	Peak	Vertical
	10792.0	35.7	14.3	50.0	74.0	-24.0	Peak	Vertical
	12347.5	36.6	12.3	48.9	74.0	-25.1	Peak	Vertical
11	7562.0	38.0	8.4	46.4	74.0	-27.6	Peak	Horizontal
	10911.0	35.3	14.0	49.3	74.0	-24.7	Peak	Horizontal
	12169.0	36.7	12.5	49.2	74.0	-24.8	Peak	Horizontal
	7468.5	36.4	8.6	45.0	74.0	-29.0	Peak	Vertical
	10987.5	34.5	14.3	48.8	74.0	-25.2	Peak	Vertical
	12305.0	36.9	12.2	49.1	74.0	-24.9	Peak	Vertical

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

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

Test Site	WZ-AC1	Test Engineer	Carl Jiang
Test Date	2023-12-13	Test Mode	802.11g
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.		

Test Channel	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
01	7553.5	36.8	8.5	45.3	74.0	-28.7	Peak	Horizontal
	11132.0	36.4	13.5	49.9	74.0	-24.1	Peak	Horizontal
	12271.0	36.2	12.5	48.7	74.0	-25.3	Peak	Horizontal
	7366.5	35.9	8.6	44.5	74.0	-29.5	Peak	Vertical
	10962.0	35.0	14.1	49.1	74.0	-24.9	Peak	Vertical
	11472.0	35.4	13.4	48.8	74.0	-25.2	Peak	Vertical
06	7298.5	36.5	8.4	44.9	74.0	-29.1	Peak	Horizontal
	11064.0	35.8	13.9	49.7	74.0	-24.3	Peak	Horizontal
	12024.5	35.9	12.5	48.4	74.0	-25.6	Peak	Horizontal
	7366.5	36.5	8.6	45.1	74.0	-28.9	Peak	Vertical
	11123.5	35.6	13.5	49.1	74.0	-24.9	Peak	Vertical
	12347.5	36.8	12.3	49.1	74.0	-24.9	Peak	Vertical
11	8174.0	36.7	9.0	45.7	74.0	-28.3	Peak	Horizontal
	10732.5	35.6	14.0	49.6	74.0	-24.4	Peak	Horizontal
	12296.5	35.8	12.2	48.0	74.0	-26.0	Peak	Horizontal
	7383.5	37.4	8.6	46.0	74.0	-28.0	Peak	Vertical
	11234.0	35.7	13.2	48.9	74.0	-25.1	Peak	Vertical
	12084.0	36.3	12.5	48.8	74.0	-25.2	Peak	Vertical

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

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

Test Site	WZ-AC1	Test Engineer	Carl Jiang
Test Date	2023-12-13	Test Mode	802.11n-HT20
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.		

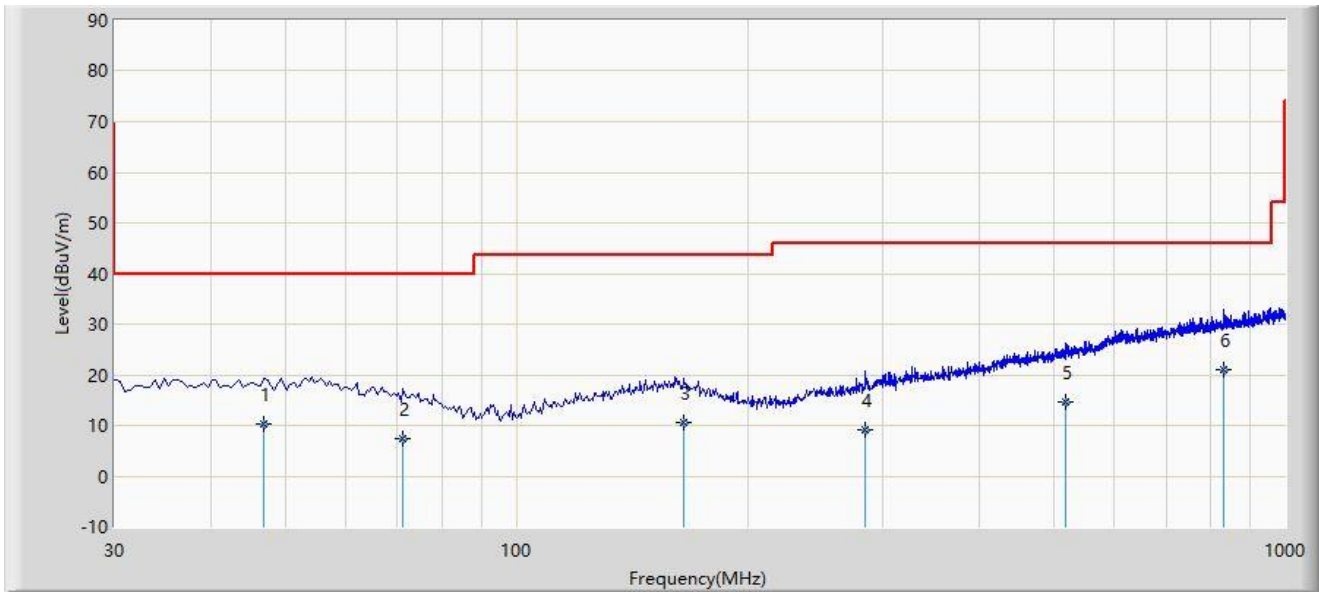
Test Channel	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
01	8403.5	36.9	8.9	45.8	74.0	-28.2	Peak	Horizontal
	11157.5	35.8	13.8	49.6	74.0	-24.4	Peak	Horizontal
	12135.0	36.0	12.6	48.6	74.0	-25.4	Peak	Horizontal
	8412.0	36.4	8.9	45.3	74.0	-28.7	Peak	Vertical
	11038.5	35.2	14.1	49.3	74.0	-24.7	Peak	Vertical
	12262.5	35.7	12.5	48.2	74.0	-25.8	Peak	Vertical
06	8157.0	36.6	9.3	45.9	74.0	-28.1	Peak	Horizontal
	11038.5	35.7	14.1	49.8	74.0	-24.2	Peak	Horizontal
	12296.5	36.8	12.2	49.0	74.0	-25.0	Peak	Horizontal
	8412.0	37.2	8.9	46.1	74.0	-27.9	Peak	Vertical
	10979.0	35.3	14.0	49.3	74.0	-24.7	Peak	Vertical
	11336.0	35.5	13.4	48.9	74.0	-25.1	Peak	Vertical
11	7494.0	36.6	8.6	45.2	74.0	-28.8	Peak	Horizontal
	10902.5	35.2	14.0	49.2	74.0	-24.8	Peak	Horizontal
	12313.5	36.0	12.3	48.3	74.0	-25.7	Peak	Horizontal
	8242.0	36.8	8.8	45.6	74.0	-28.4	Peak	Vertical
	10945.0	35.2	14.1	49.3	74.0	-24.7	Peak	Vertical
	12339.0	36.7	12.3	49.0	74.0	-25.0	Peak	Vertical

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

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

The Result of Radiated Emission below 1GHz:

Site: WZ-AC1	Test Date: 2023-12-15
Limit: FCC_Part15.209_RSE(3m)	Engineer: Carl Jiang
Probe: VULB 9168_25-2000MHz	Polarity: Horizontal
EUT: Titan Pad	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at 2437MHz	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1		46.970	10.204	-8.320	-29.796	40.000	18.524	QP
2		71.220	7.434	-8.730	-32.566	40.000	16.163	QP
3		165.300	10.496	-7.650	-33.004	43.500	18.145	QP
4		284.600	9.013	-9.200	-36.987	46.000	18.213	QP
5		518.340	14.698	-8.940	-31.302	46.000	23.638	QP
6	*	832.200	21.107	-7.730	-24.893	46.000	28.837	QP

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

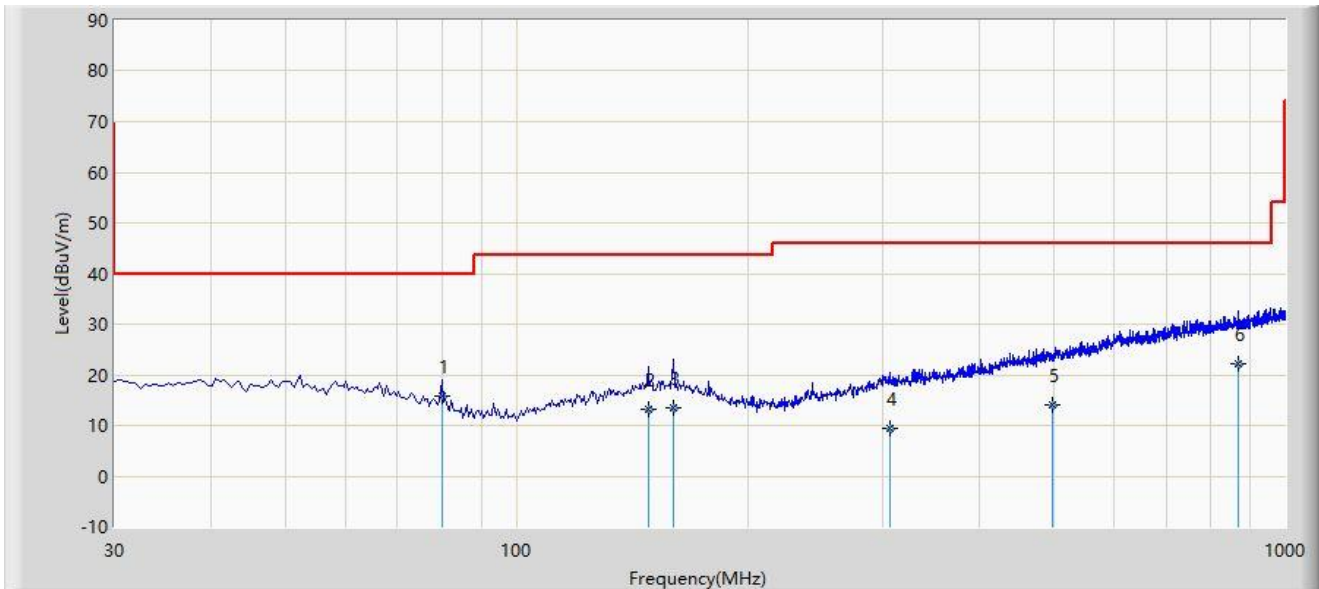
Note 2: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Note 4: The amplitude of radiated emissions (frequency range from 9kHz to 30MHz and 18GHz to 25GHz) 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: WZ-AC1	Test Date: 2023-12-15
Limit: FCC_Part15.209_RSE(3m)	Engineer: Carl Jiang
Probe: VULB 9168_25-2000MHz	Polarity: Vertical
EUT: Titan Pad	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at 2437MHz	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1		79.955	15.907	1.630	-24.093	40.000	14.276	QP
2		148.340	13.324	-4.730	-30.176	43.500	18.055	QP
3		159.980	13.551	-4.710	-29.949	43.500	18.261	QP
4		305.960	9.468	-9.230	-36.532	46.000	18.698	QP
5		498.850	14.081	-9.110	-31.919	46.000	23.191	QP
6	*	868.560	22.189	-6.910	-23.811	46.000	29.098	QP

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

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

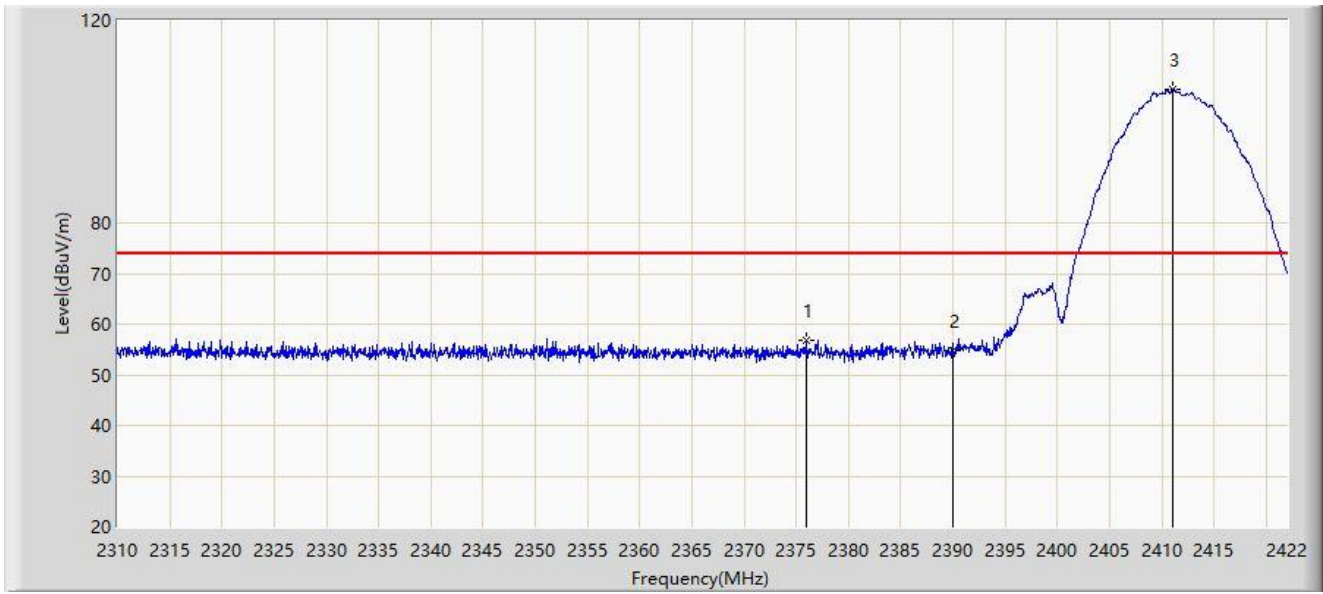
Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Note 4: The amplitude of radiated emissions (frequency range from 9kHz to 30MHz and 18GHz to 25GHz) 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.7 Radiated Restricted Band Edge Test Result

Site: WZ-AC1	Test Date: 2024-01-04
Limit: FCC_2.4G_RE(3m)	Engineer: Carl Jiang
Probe: BBHA9120D_1167_1-18GHz	Polarity: Horizontal
EUT: Titan Pad	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at 2412MHz	



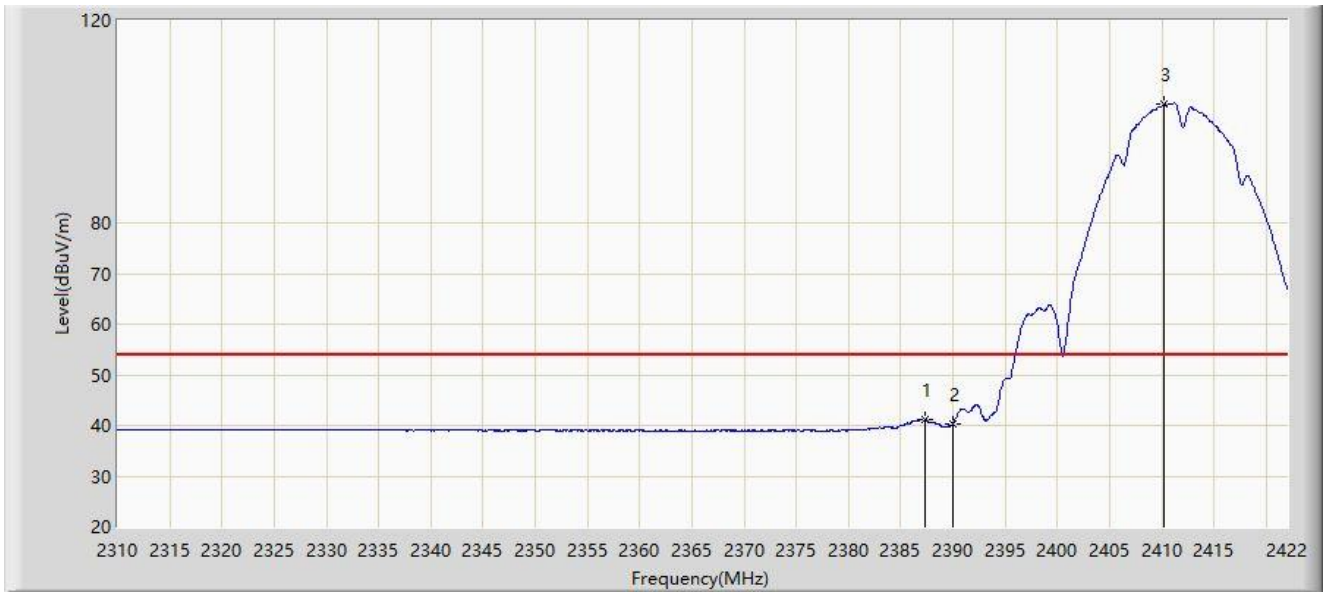
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2375.912	56.898	25.608	-17.102	74.000	31.290	PK
2		2390.000	54.839	23.585	-19.161	74.000	31.254	PK
3		2411.080	106.501	75.248	N/A	N/A	31.253	PK

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

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: WZ-AC1	Test Date: 2024-01-04
Limit: FCC_2.4G_RE(3m)	Engineer: Carl Jiang
Probe: BBHA9120D_1167_1-18GHz	Polarity: Horizontal
EUT: Titan Pad	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at 2412MHz	



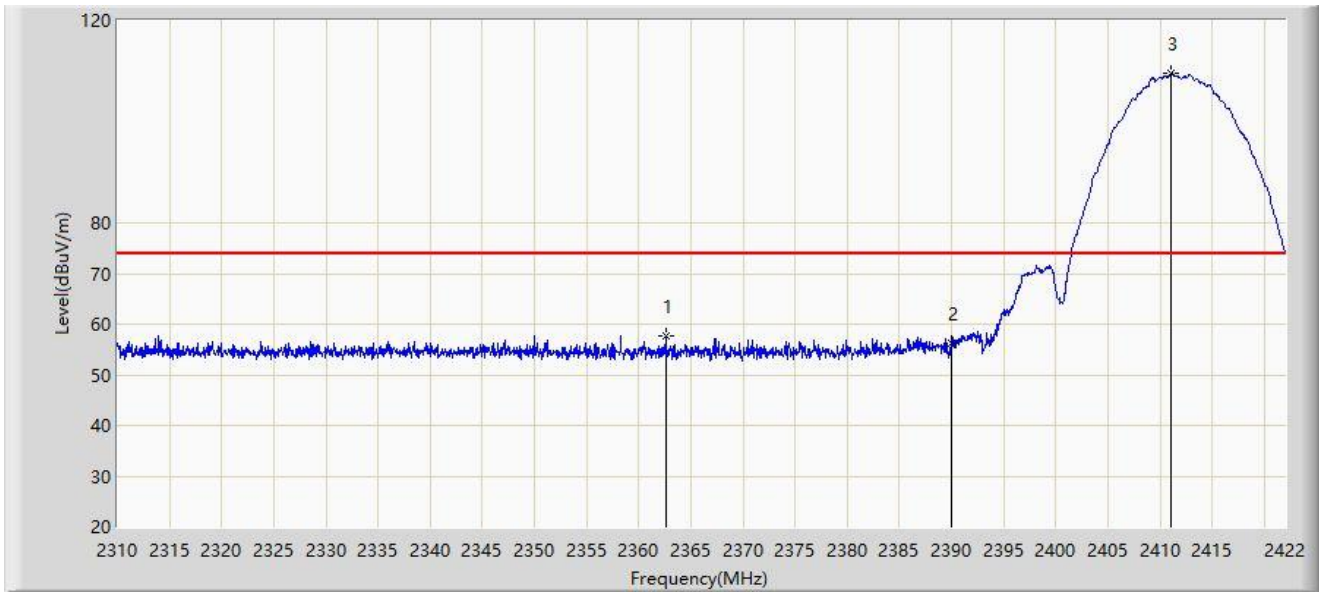
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2387.336	41.127	9.871	-12.873	54.000	31.256	AV
2		2390.000	40.403	9.149	-13.597	54.000	31.254	AV
3		2410.184	103.398	72.144	N/A	N/A	31.254	AV

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

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: WZ-AC1	Test Date: 2024-01-04
Limit: FCC_2.4G_RE(3m)	Engineer: Carl Jiang
Probe: BBHA9120D_1167_1-18GHz	Polarity: Vertical
EUT: Titan Pad	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at 2412MHz	



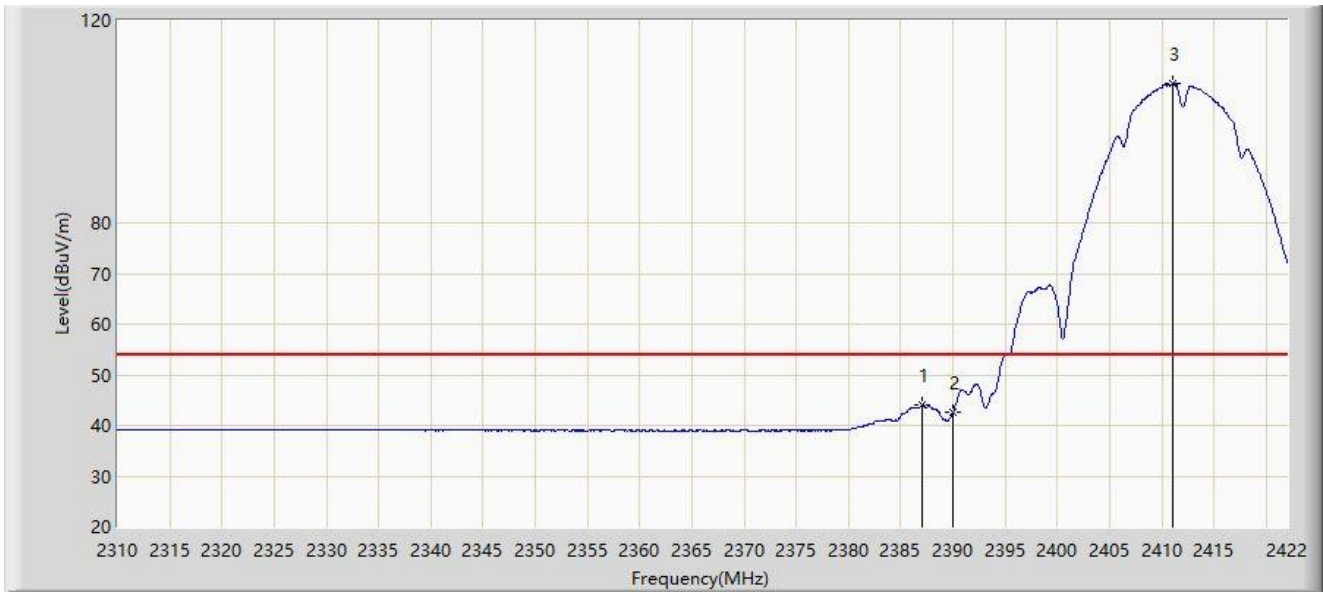
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2362.584	57.769	26.439	-16.231	74.000	31.329	PK
2		2390.000	56.124	24.870	-17.876	74.000	31.254	PK
3		2411.080	109.656	78.403	N/A	N/A	31.253	PK

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

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: WZ-AC1	Test Date: 2024-01-04
Limit: FCC_2.4G_RE(3m)	Engineer: Carl Jiang
Probe: BBHA9120D_1167_1-18GHz	Polarity: Vertical
EUT: Titan Pad	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at 2412MHz	



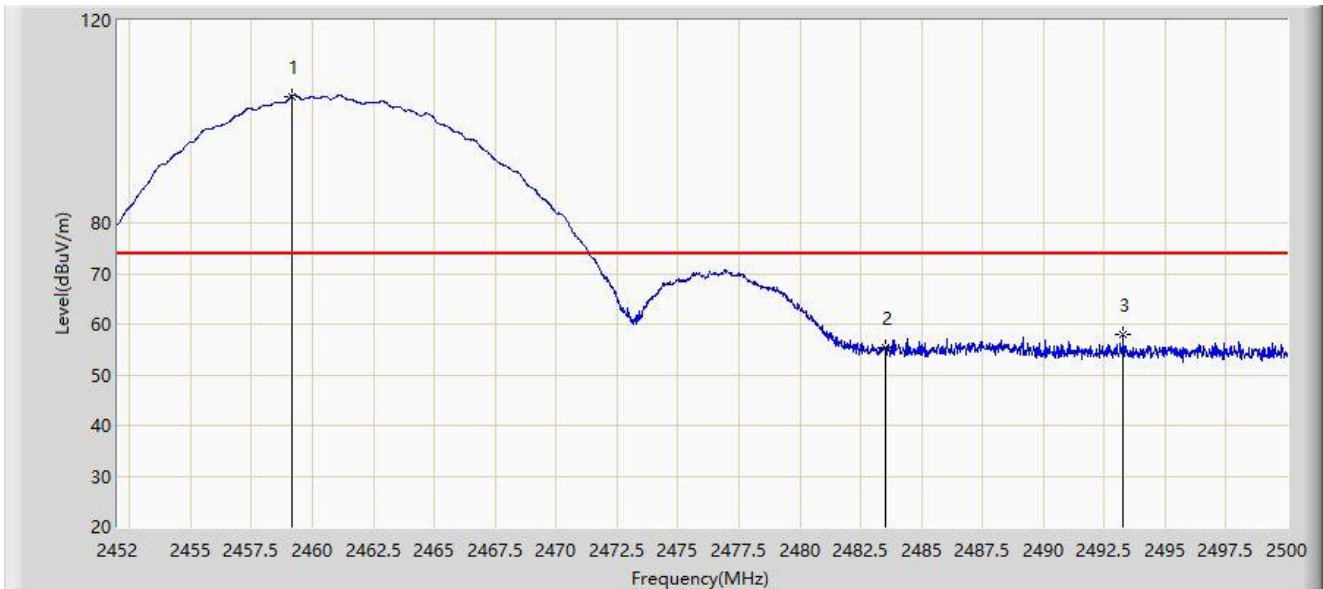
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2387.112	43.937	12.681	-10.063	54.000	31.256	AV
2		2390.000	42.538	11.284	-11.462	54.000	31.254	AV
3		2411.080	107.486	76.233	N/A	N/A	31.253	AV

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

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: WZ-AC1	Test Date: 2024-01-04
Limit: FCC_2.4G_RE(3m)	Engineer: Carl Jiang
Probe: BBHA9120D_1167_1-18GHz	Polarity: Horizontal
EUT: Titan Pad	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at 2462MHz	



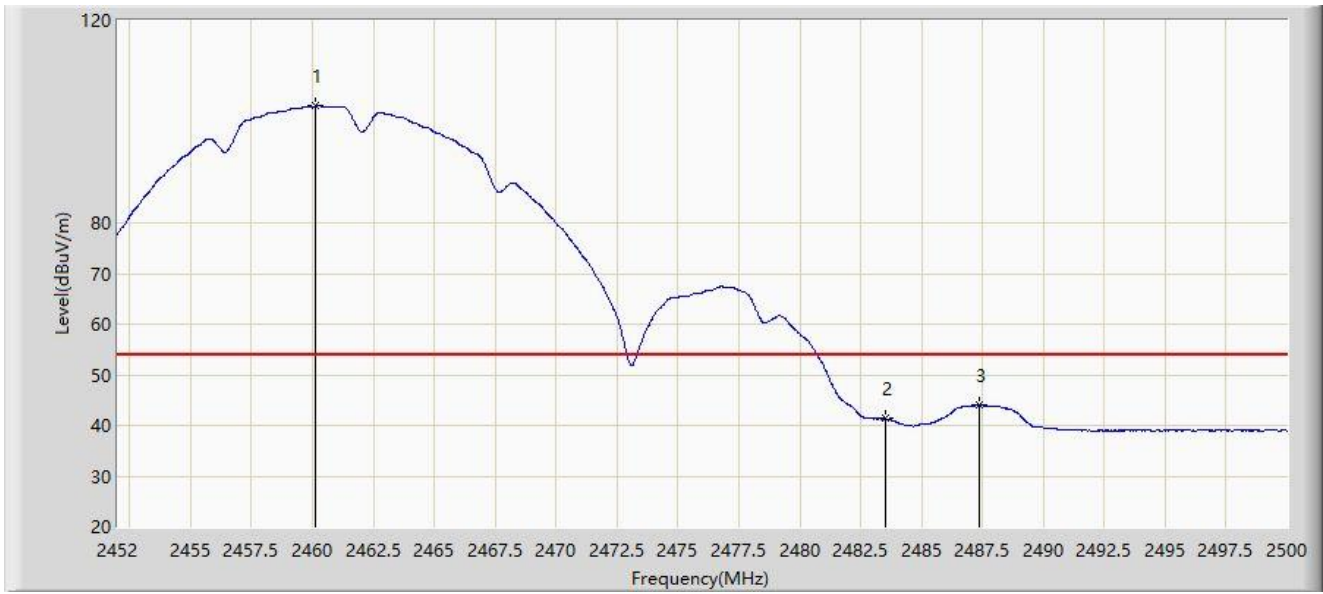
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2459.128	105.007	73.779	N/A	N/A	31.228	PK
2		2483.500	55.412	24.186	-18.588	74.000	31.226	PK
3	*	2493.280	58.088	26.855	-15.912	74.000	31.233	PK

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

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: WZ-AC1	Test Date: 2024-01-04
Limit: FCC_2.4G_RE(3m)	Engineer: Carl Jiang
Probe: BBHA9120D_1167_1-18GHz	Polarity: Horizontal
EUT: Titan Pad	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at 2462MHz	



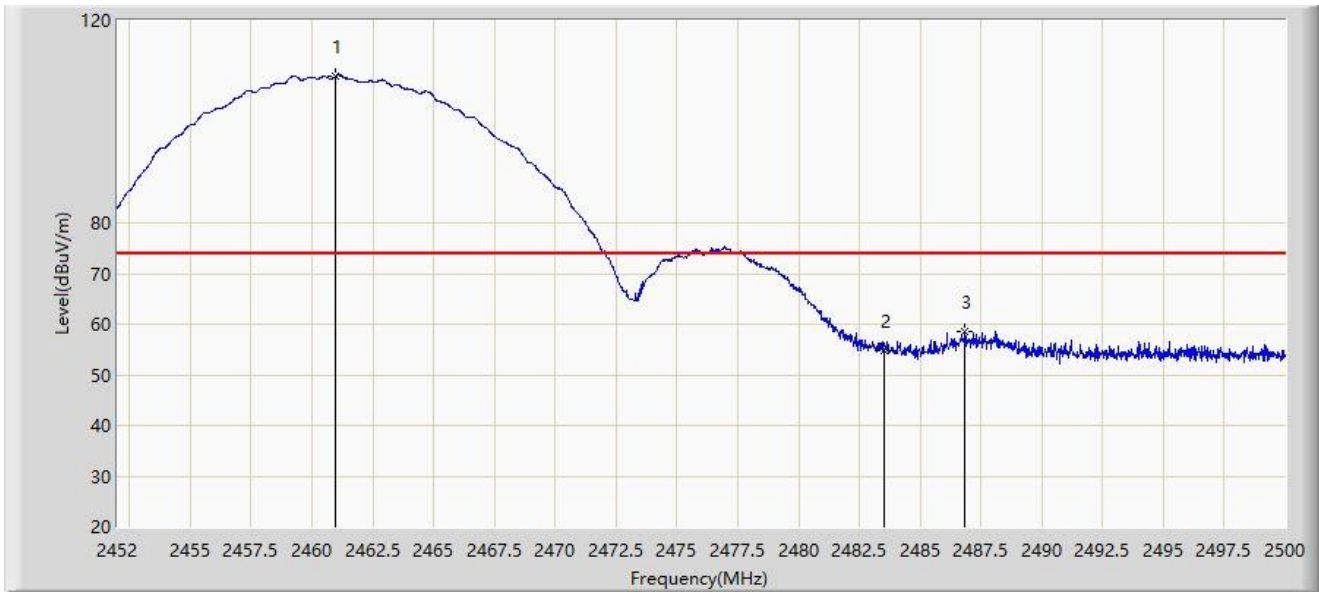
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2460.136	103.099	71.872	N/A	N/A	31.227	AV
2		2483.500	41.309	10.083	-12.691	54.000	31.226	AV
3	*	2487.376	44.033	12.804	-9.967	54.000	31.229	AV

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

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: WZ-AC1	Test Date: 2024-01-04
Limit: FCC_2.4G_RE(3m)	Engineer: Carl Jiang
Probe: BBHA9120D_1167_1-18GHz	Polarity: Vertical
EUT: Titan Pad	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at 2462MHz	



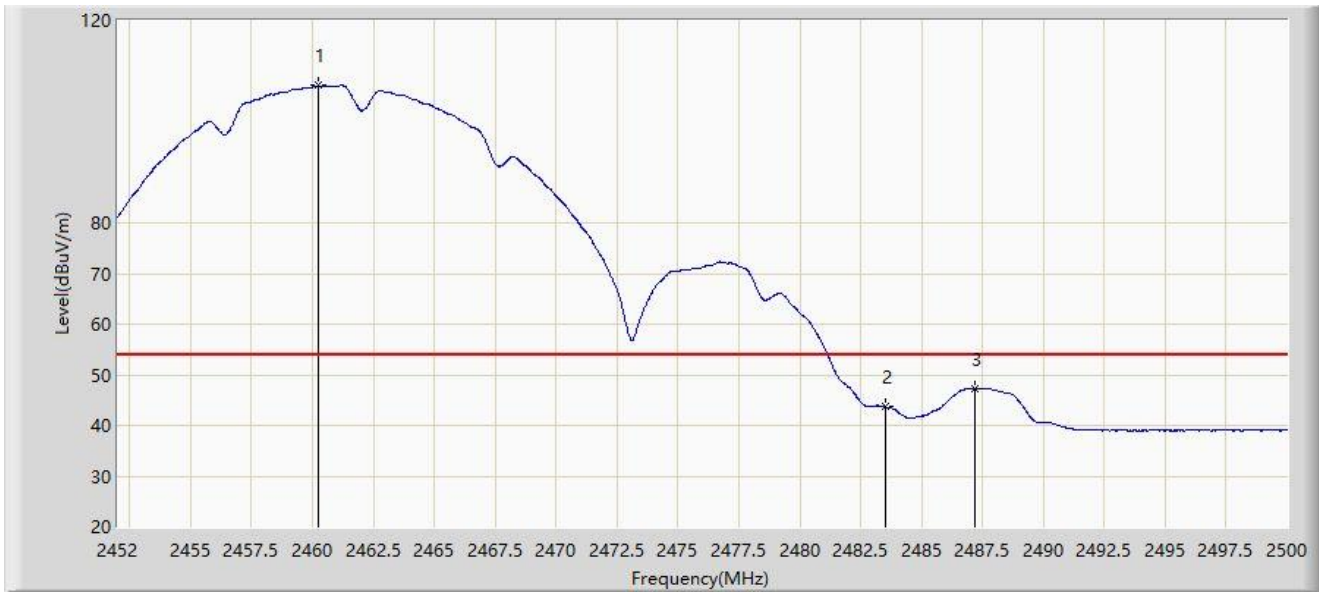
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1		2460.976	108.985	77.759	N/A	N/A	31.226	PK
2		2483.500	54.720	23.494	-19.280	74.000	31.226	PK
3	*	2486.848	58.586	27.357	-15.414	74.000	31.229	PK

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

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: WZ-AC1	Test Date: 2024-01-04
Limit: FCC_2.4G_RE(3m)	Engineer: Carl Jiang
Probe: BBHA9120D_1167_1-18GHz	Polarity: Vertical
EUT: Titan Pad	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at 2462MHz	



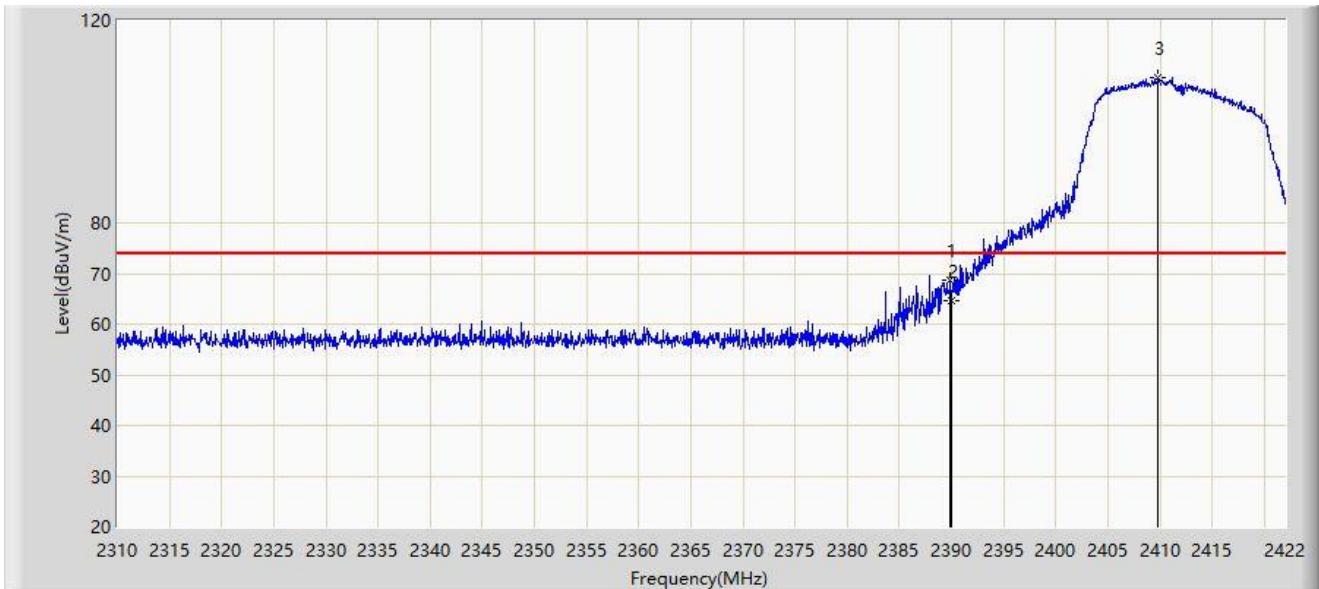
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2460.256	107.114	75.887	N/A	N/A	31.227	AV
2		2483.500	43.655	12.429	-10.345	54.000	31.226	AV
3	*	2487.208	47.284	16.055	-6.716	54.000	31.229	AV

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

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: WZ-AC1	Test Date: 2023-12-10
Limit: FCC_2.4G_RE(3m)	Engineer: Carl Jiang
Probe: BBHA9120D_1167_1-18GHz	Polarity: Horizontal
EUT: Titan Pad	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at 2412MHz	



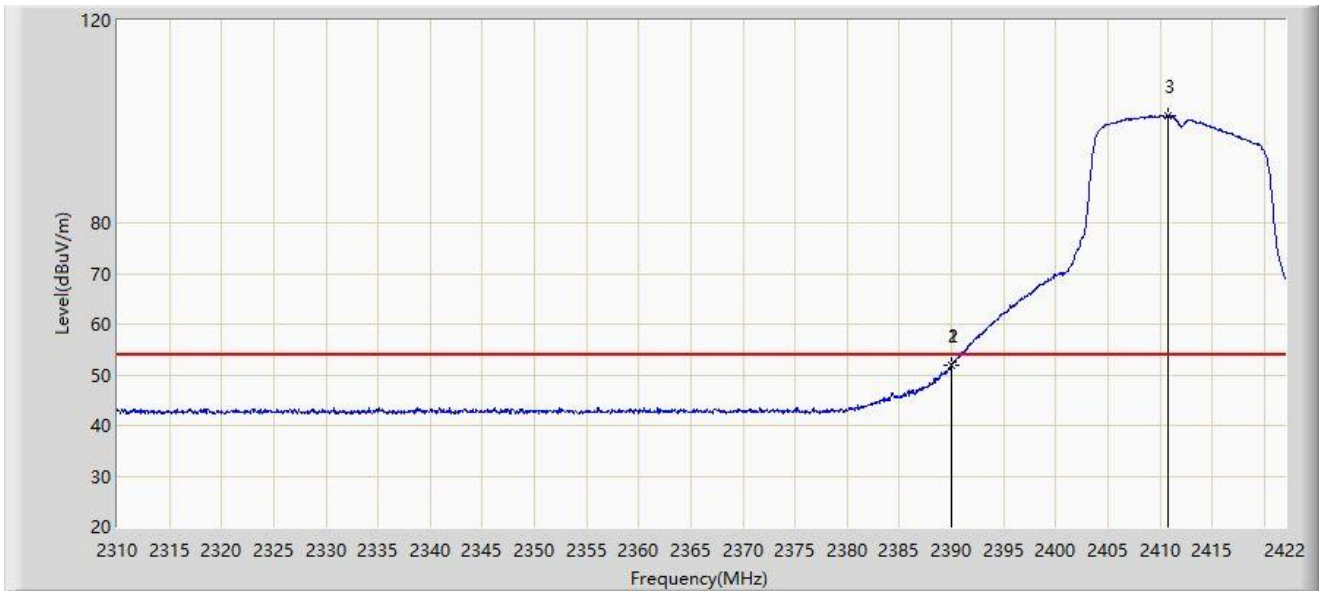
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2389.912	68.776	37.522	-5.224	74.000	31.254	PK
2		2390.000	64.738	33.484	-9.262	74.000	31.254	PK
3		2409.848	108.676	77.422	N/A	N/A	31.254	PK

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

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: WZ-AC1	Test Date: 2023-12-10
Limit: FCC_2.4G_RE(3m)	Engineer: Carl Jiang
Probe: BBHA9120D_1167_1-18GHz	Polarity: Horizontal
EUT: Titan Pad	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at 2412MHz	



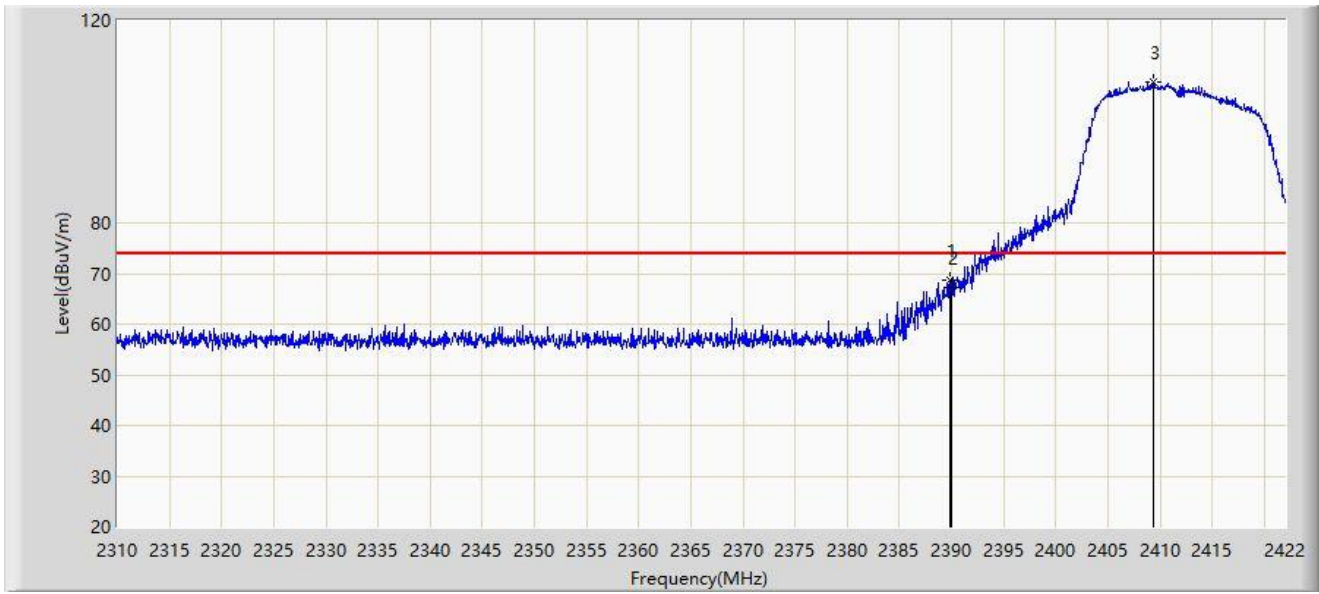
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2389.968	51.884	20.630	-2.116	54.000	31.254	AV
2		2390.000	51.838	20.584	-2.162	54.000	31.254	AV
3		2410.800	101.164	69.910	N/A	N/A	31.253	AV

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

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: WZ-AC1	Test Date: 2023-12-10
Limit: FCC_2.4G_RE(3m)	Engineer: Carl Jiang
Probe: BBHA9120D_1167_1-18GHz	Polarity: Vertical
EUT: Titan Pad	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at 2412MHz	



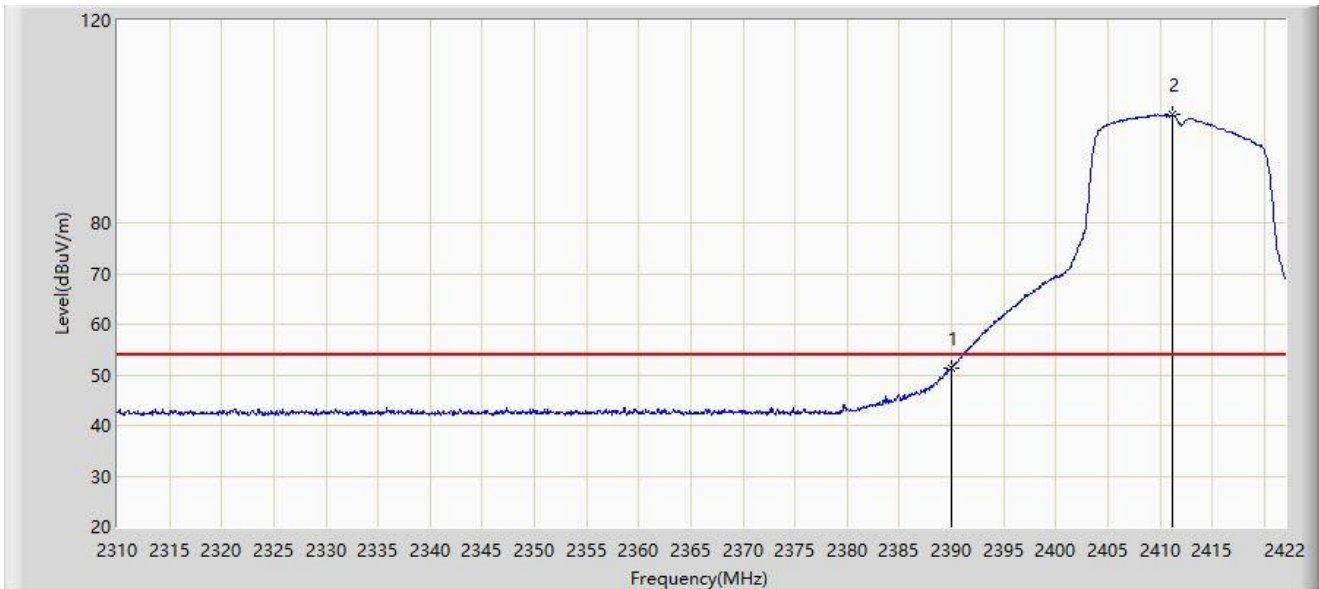
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2389.800	68.796	37.542	-5.204	74.000	31.254	PK
2		2390.000	67.275	36.021	-6.725	74.000	31.254	PK
3		2409.400	107.826	76.572	N/A	N/A	31.254	PK

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

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: WZ-AC1	Test Date: 2023-12-10
Limit: FCC_2.4G_RE(3m)	Engineer: Carl Jiang
Probe: BBHA9120D_1167_1-18GHz	Polarity: Vertical
EUT: Titan Pad	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at 2412MHz	



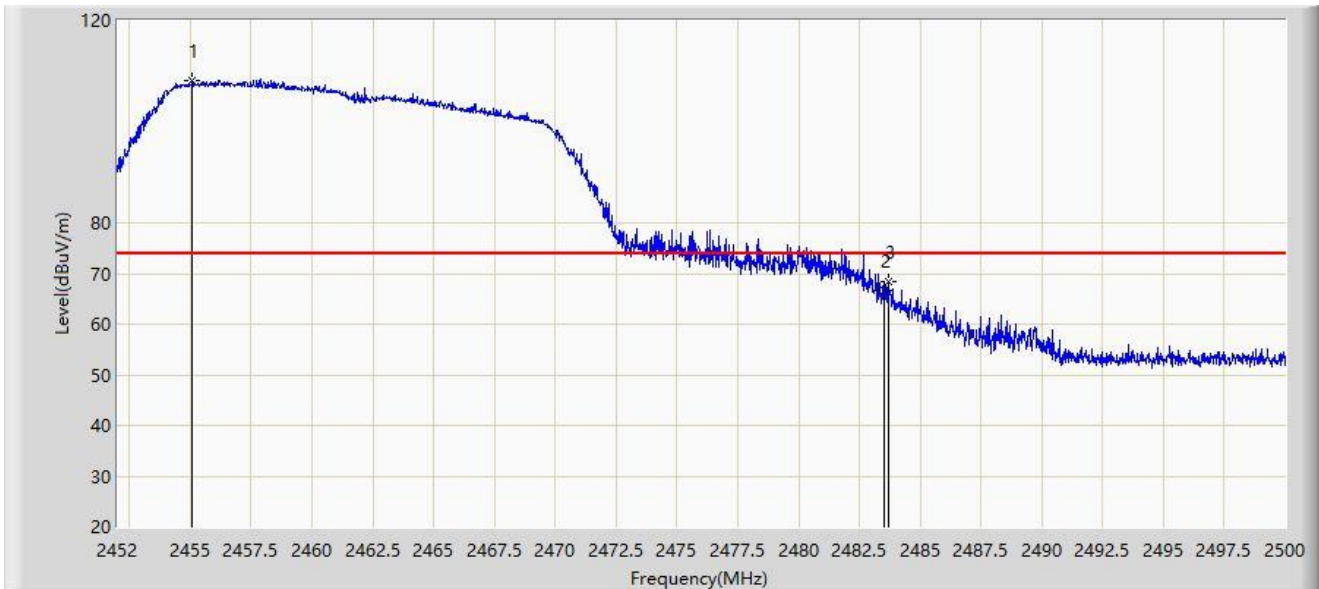
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2390.000	51.440	20.186	-2.560	54.000	31.254	AV
2		2411.136	101.339	70.086	N/A	N/A	31.254	AV

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

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: WZ-AC1	Test Date: 2023-12-10
Limit: FCC_2.4G_RE(3m)	Engineer: Carl Jiang
Probe: BBHA9120D_1167_1-18GHz	Polarity: Horizontal
EUT: Titan Pad	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at 2462MHz	



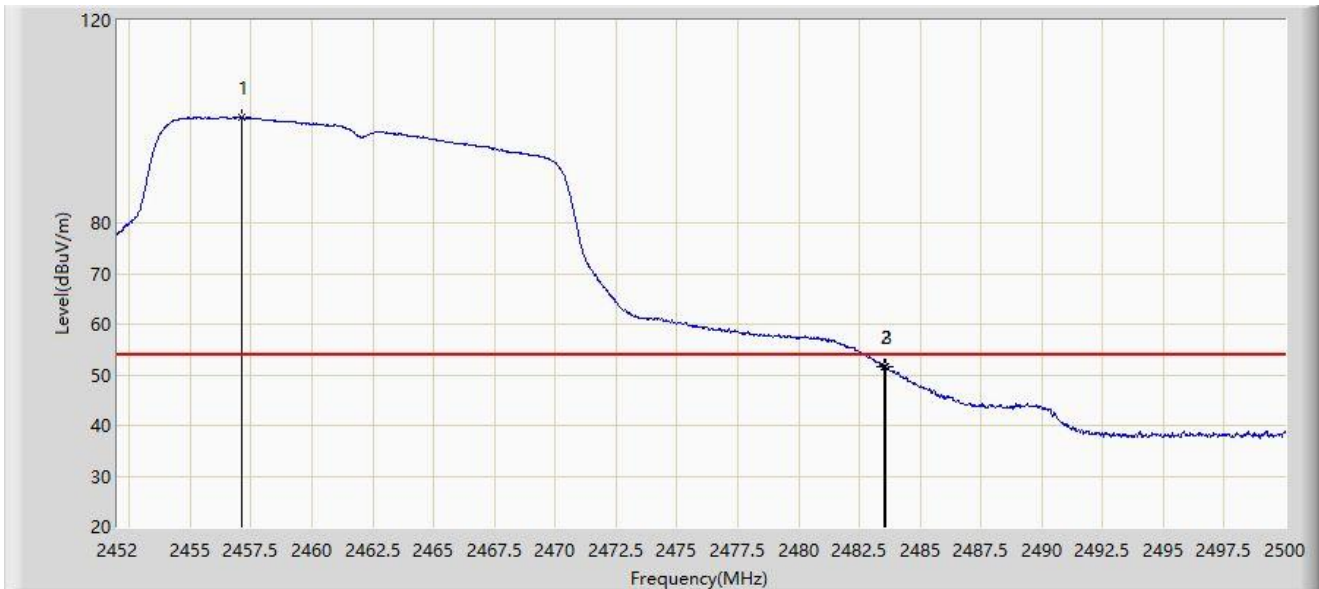
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2455.096	108.108	76.879	N/A	N/A	31.229	PK
2		2483.500	66.605	35.379	-7.395	74.000	31.226	PK
3	*	2483.680	68.397	37.171	-5.603	74.000	31.226	PK

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

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: WZ-AC1	Test Date: 2023-12-10
Limit: FCC_2.4G_RE(3m)	Engineer: Carl Jiang
Probe: BBHA9120D_1167_1-18GHz	Polarity: Horizontal
EUT: Titan Pad	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at 2462MHz	



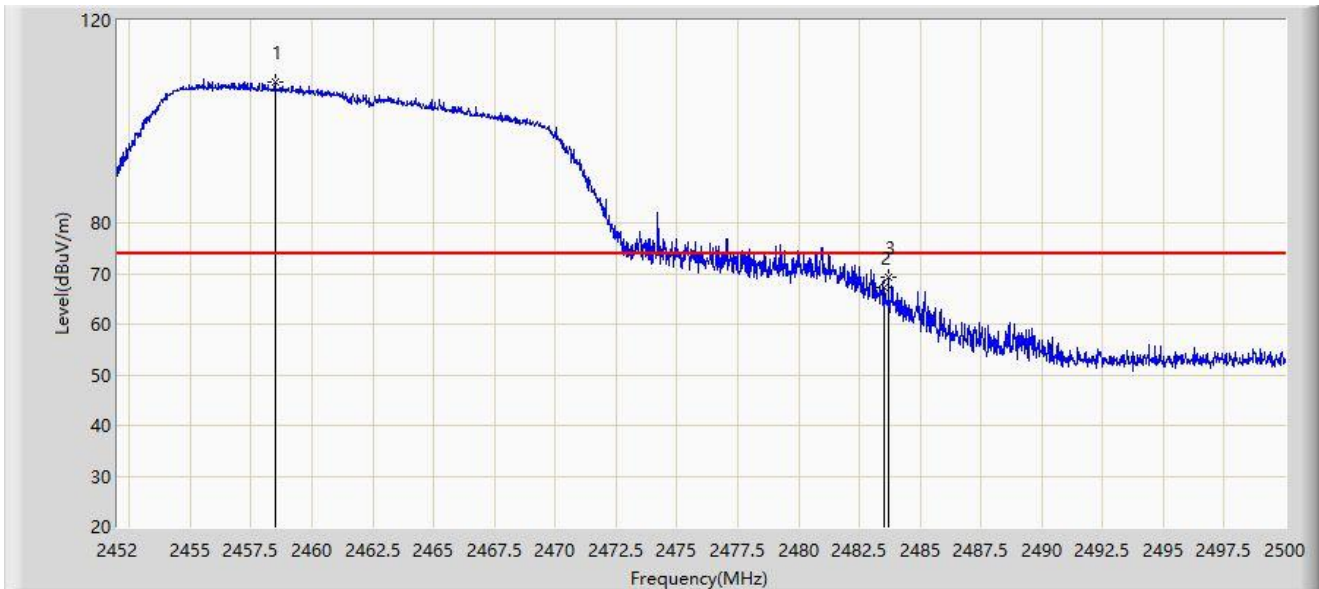
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2457.088	100.858	69.629	N/A	N/A	31.229	AV
2		2483.500	51.572	20.346	-2.428	54.000	31.226	AV
3	*	2483.560	51.644	20.418	-2.356	54.000	31.226	AV

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

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: WZ-AC1	Test Date: 2023-12-10
Limit: FCC_2.4G_RE(3m)	Engineer: Carl Jiang
Probe: BBHA9120D_1167_1-18GHz	Polarity: Vertical
EUT: Titan Pad	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at 2462MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2458.480	107.870	76.642	N/A	N/A	31.229	PK
2		2483.500	67.218	35.992	-6.782	74.000	31.226	PK
3	*	2483.704	69.131	37.905	-4.869	74.000	31.226	PK

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

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: WZ-AC1	Test Date: 2023-12-10
Limit: FCC_2.4G_RE(3m)	Engineer: Carl Jiang
Probe: BBHA9120D_1167_1-18GHz	Polarity: Vertical
EUT: Titan Pad	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at 2462MHz	



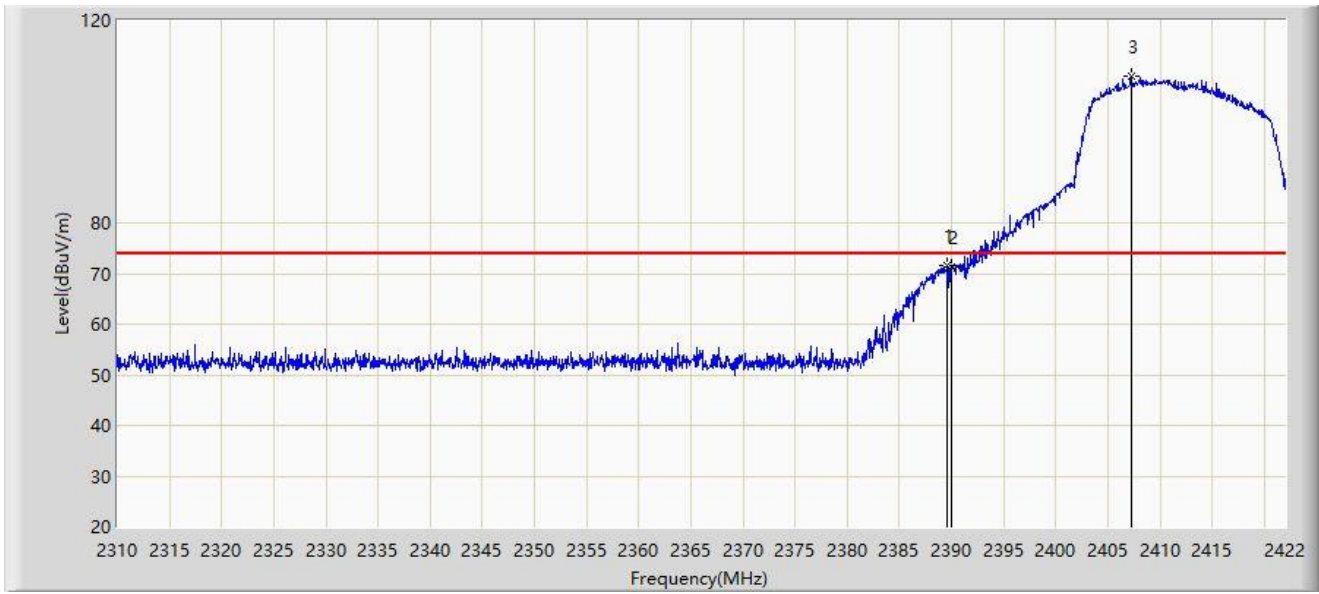
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2456.968	101.084	69.855	N/A	N/A	31.229	AV
2	*	2483.500	51.476	20.250	-2.524	54.000	31.226	AV
3		2483.608	51.441	20.215	-2.559	54.000	31.226	AV

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

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: WZ-AC1	Test Date: 2023-12-10
Limit: FCC_2.4G_RE(3m)	Engineer: Carl Jiang
Probe: BBHA9120D_1167_1-18GHz	Polarity: Horizontal
EUT: Titan Pad	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at 2412MHz	



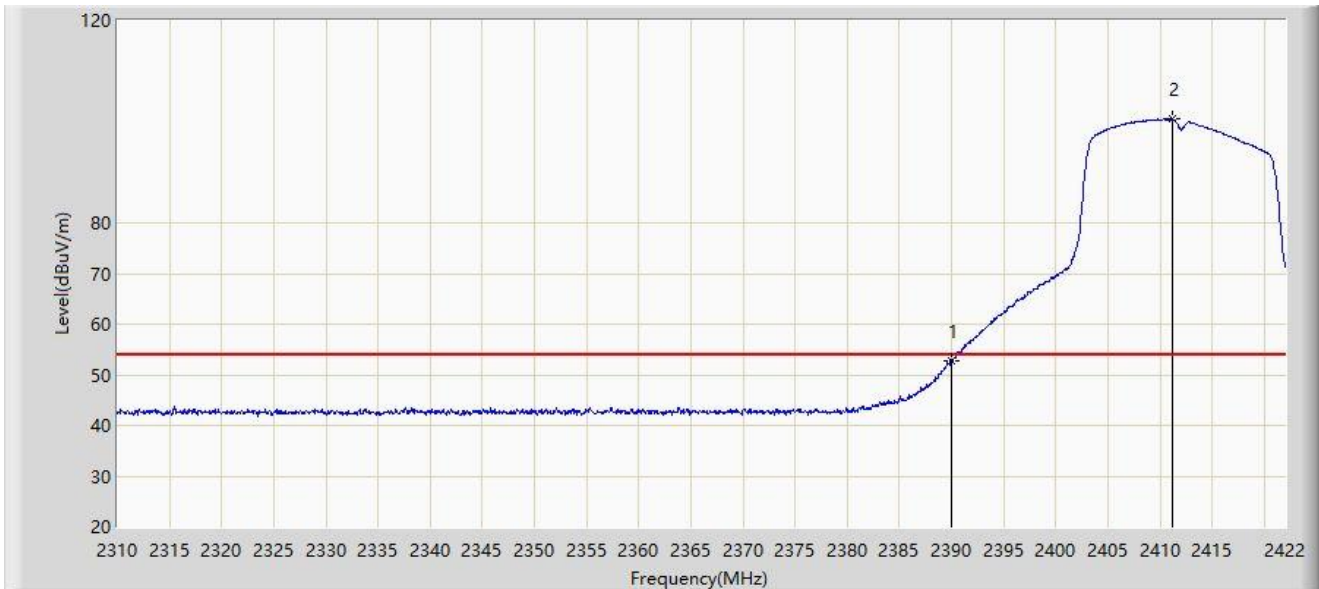
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2389.576	71.517	40.263	-2.483	74.000	31.254	PK
2		2390.000	71.285	40.031	-2.715	74.000	31.254	PK
3		2407.216	108.912	77.657	N/A	N/A	31.255	PK

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

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: WZ-AC1	Test Date: 2023-12-10
Limit: FCC_2.4G_RE(3m)	Engineer: Carl Jiang
Probe: BBHA9120D_1167_1-18GHz	Polarity: Horizontal
EUT: Titan Pad	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at 2412MHz	



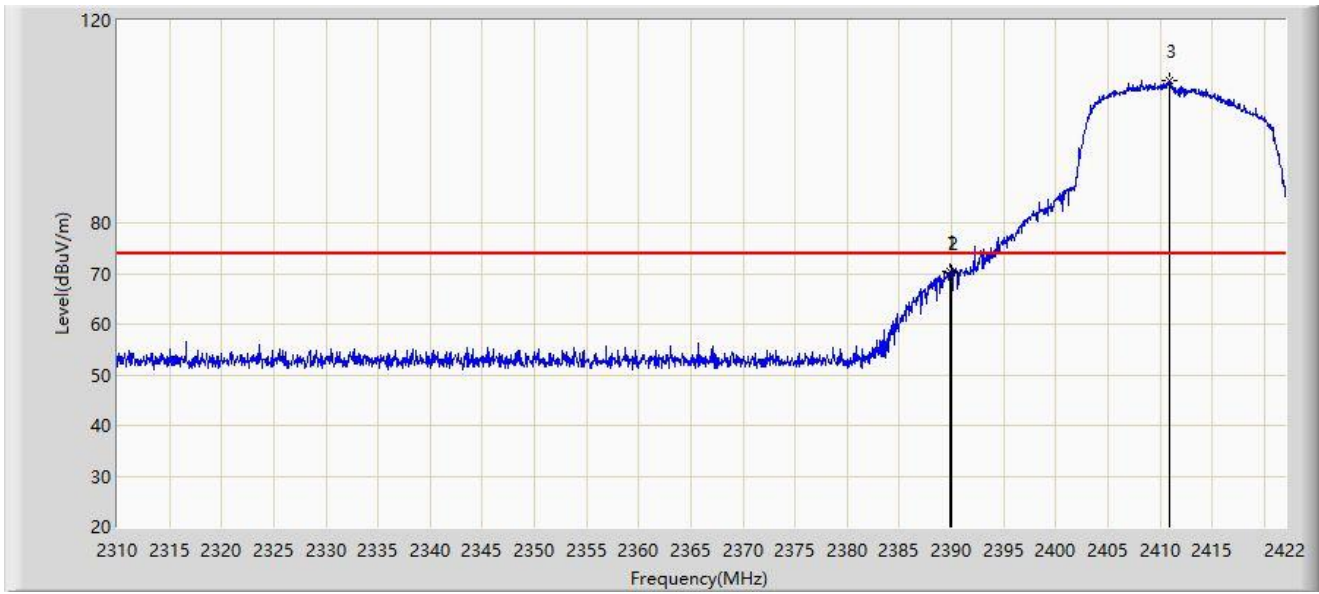
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2390.000	52.862	21.608	-1.138	54.000	31.254	AV
2		2411.136	100.444	69.191	N/A	N/A	31.254	AV

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

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: WZ-AC1	Test Date: 2023-12-10
Limit: FCC_2.4G_RE(3m)	Engineer: Carl Jiang
Probe: BBHA9120D_1167_1-18GHz	Polarity: Vertical
EUT: Titan Pad	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at 2412MHz	



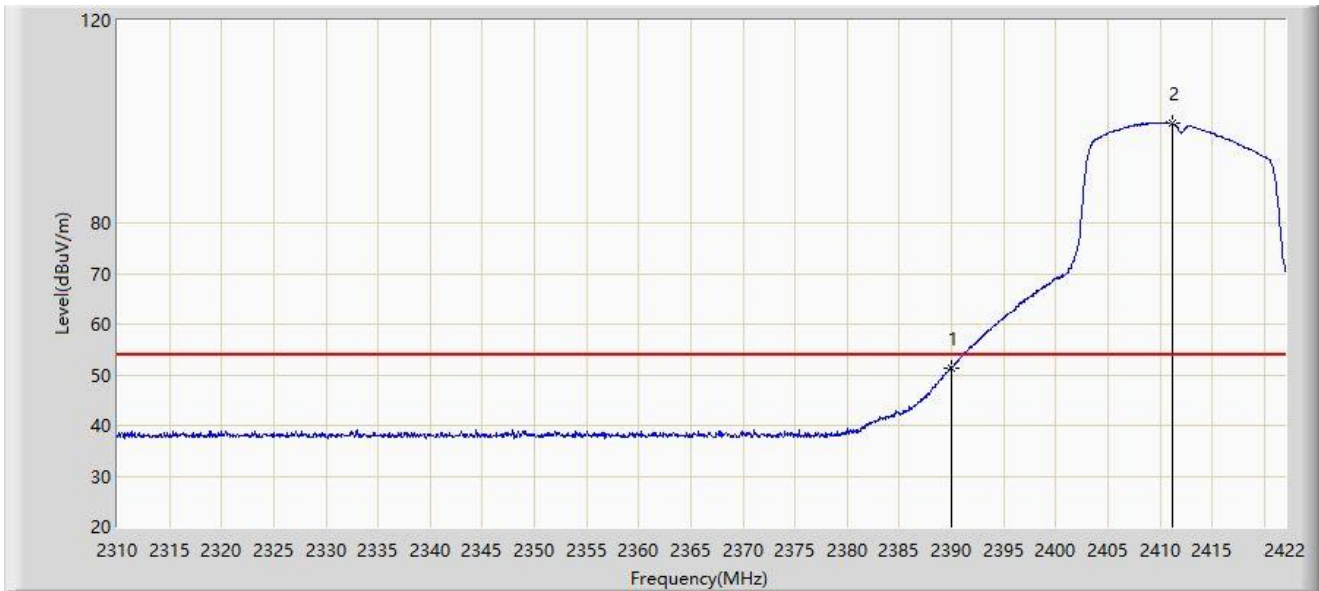
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2389.912	70.568	39.314	-3.432	74.000	31.254	PK
2		2390.000	70.070	38.816	-3.930	74.000	31.254	PK
3		2410.856	108.052	76.798	N/A	N/A	31.253	PK

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

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: WZ-AC1	Test Date: 2023-12-10
Limit: FCC_2.4G_RE(3m)	Engineer: Carl Jiang
Probe: BBHA9120D_1167_1-18GHz	Polarity: Vertical
EUT: Titan Pad	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at 2412MHz	



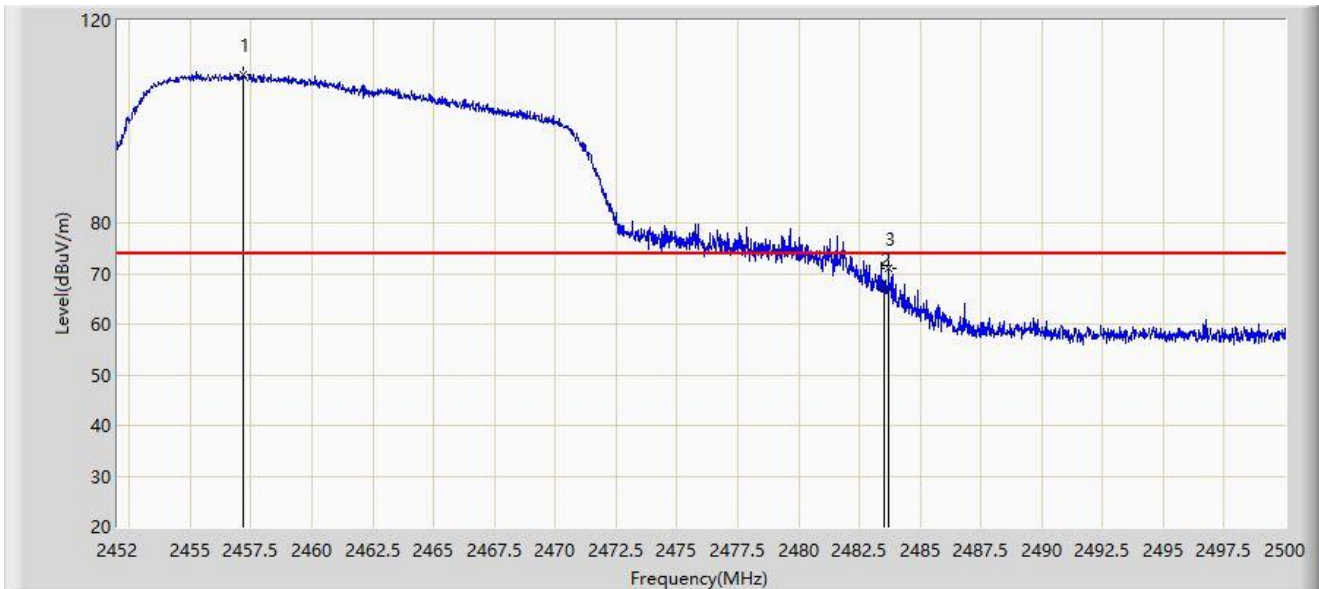
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2390.000	51.435	20.181	-2.565	54.000	31.254	AV
2		2411.136	99.711	68.458	N/A	N/A	31.254	AV

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

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: WZ-AC1	Test Date: 2023-12-10
Limit: FCC_2.4G_RE(3m)	Engineer: Carl Jiang
Probe: BBHA9120D_1167_1-18GHz	Polarity: Horizontal
EUT: Titan Pad	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at 2462MHz	



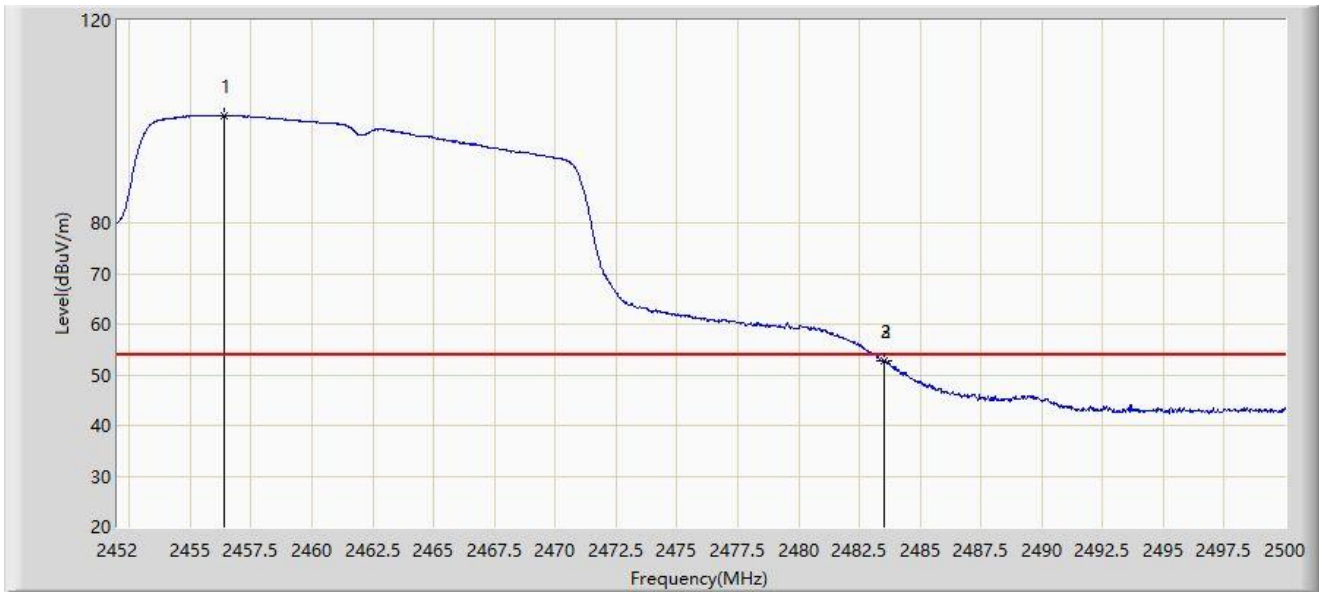
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2457.184	109.363	78.134	N/A	N/A	31.229	PK
2		2483.500	67.055	35.829	-6.945	74.000	31.226	PK
3	*	2483.704	71.140	39.914	-2.860	74.000	31.226	PK

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

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: WZ-AC1	Test Date: 2023-12-10
Limit: FCC_2.4G_RE(3m)	Engineer: Carl Jiang
Probe: BBHA9120D_1167_1-18GHz	Polarity: Horizontal
EUT: Titan Pad	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at 2462MHz	



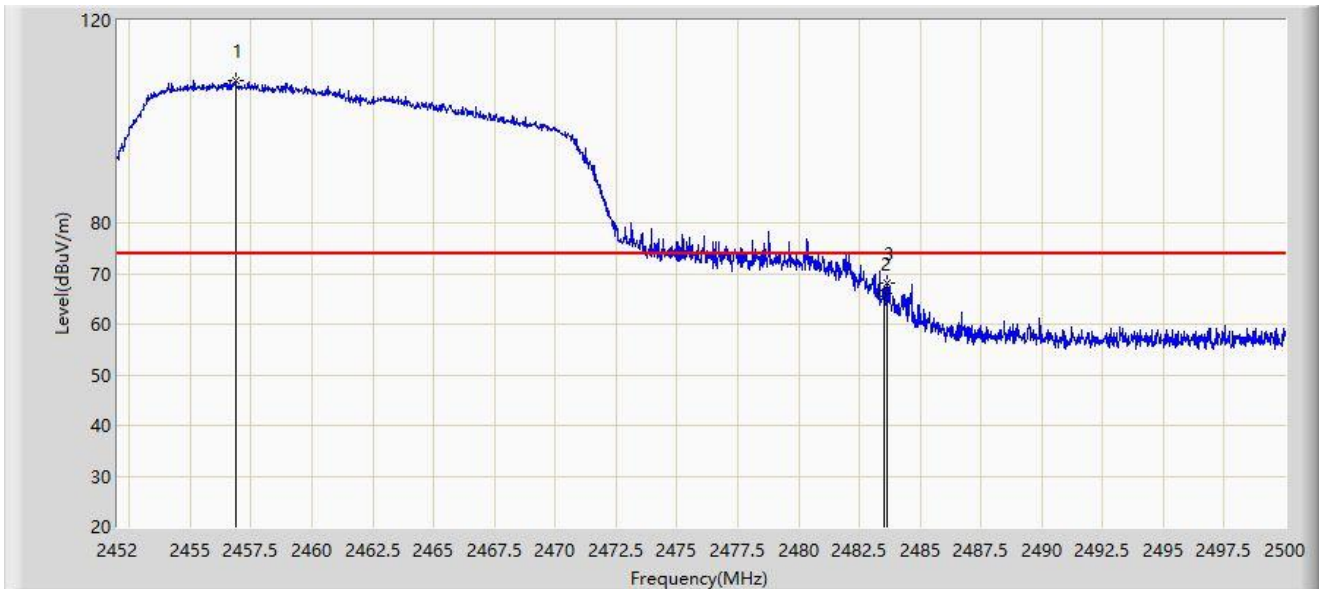
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2456.368	101.245	70.015	N/A	N/A	31.230	AV
2		2483.500	52.639	21.413	-1.361	54.000	31.226	AV
3	*	2483.536	52.711	21.485	-1.289	54.000	31.226	AV

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

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: WZ-AC1	Test Date: 2023-12-10
Limit: FCC_2.4G_RE(3m)	Engineer: Carl Jiang
Probe: BBHA9120D_1167_1-18GHz	Polarity: Vertical
EUT: Titan Pad	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at 2462MHz	



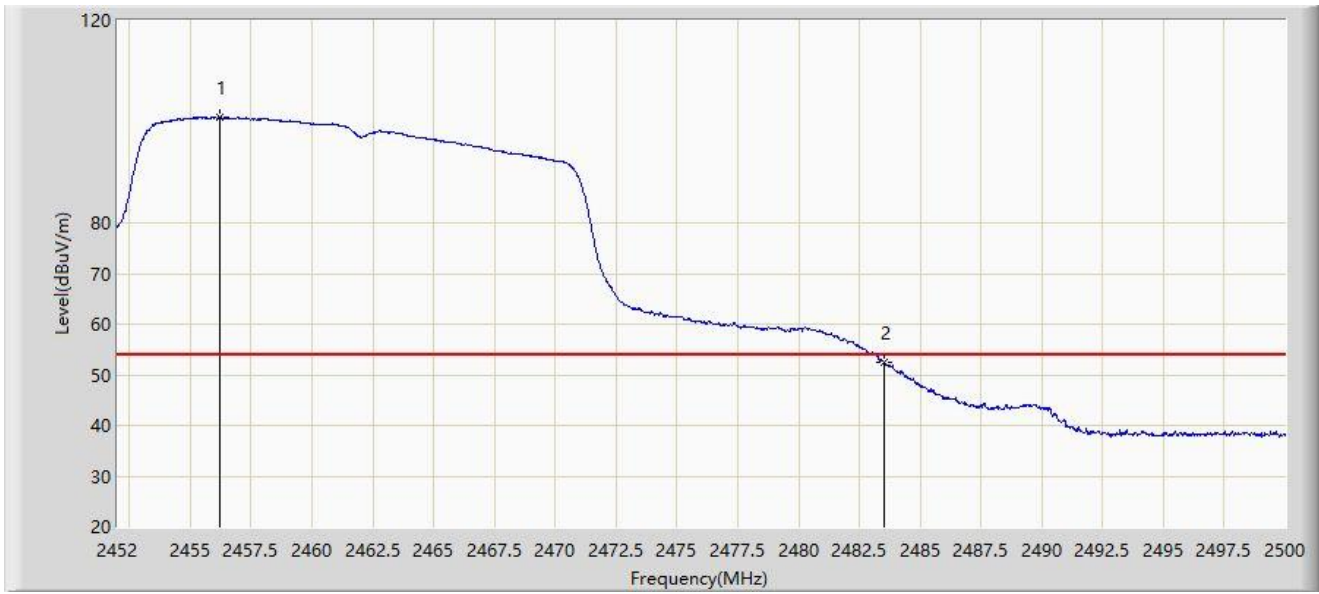
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2456.872	108.051	76.822	N/A	N/A	31.229	PK
2		2483.500	66.135	34.909	-7.865	74.000	31.226	PK
3	*	2483.632	68.064	36.838	-5.936	74.000	31.226	PK

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

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: WZ-AC1	Test Date: 2023-12-10
Limit: FCC_2.4G_RE(3m)	Engineer: Carl Jiang
Probe: BBHA9120D_1167_1-18GHz	Polarity: Vertical
EUT: Titan Pad	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at 2462MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2456.224	100.758	69.528	N/A	N/A	31.230	AV
2	*	2483.500	52.516	21.290	-1.484	54.000	31.226	AV

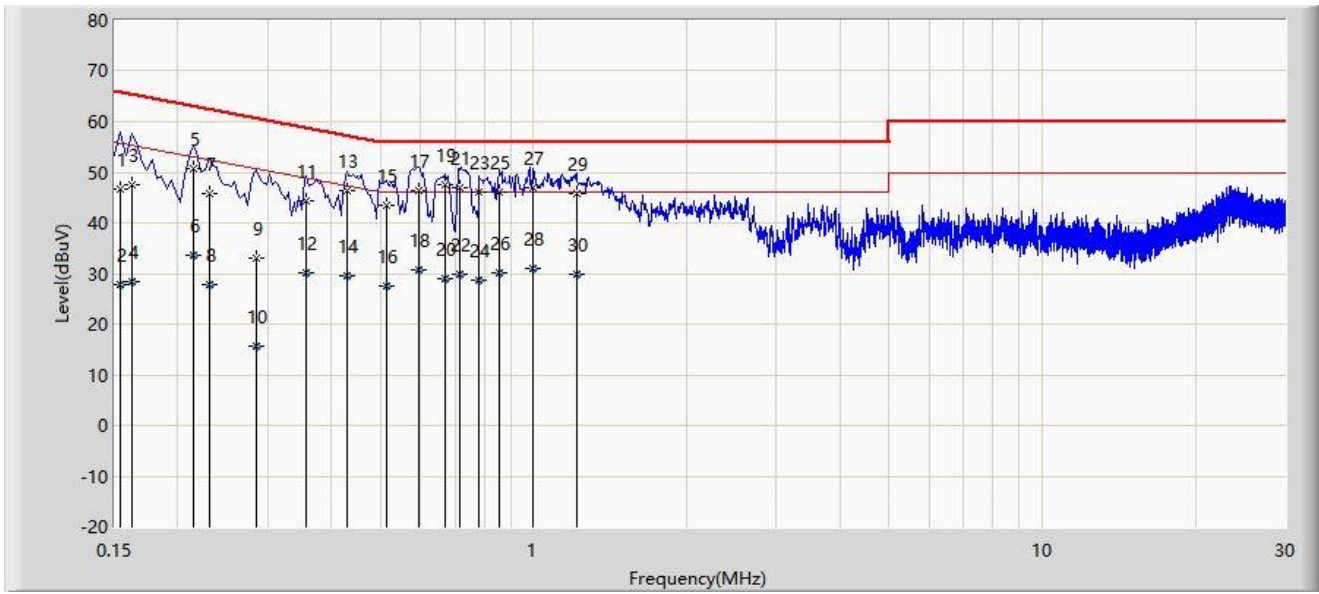
Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

A.8 AC Conducted Emissions Test Result

Site: WZ-SR2	Test Date: 2023-12-13
Limit: FCC_Part15.207_CE_AC Power	Engineer: Linda Wei
Probe: ENV216_101683_Filter Off_E	Polarity: Line
EUT: Titan Pad	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at 2437MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV)	Factor (dB)	Type
1		0.154	46.702	36.934	-19.080	65.781	9.768	QP
2		0.154	27.805	18.037	-27.976	55.781	9.768	AV
3		0.162	47.600	37.829	-17.760	65.361	9.772	QP
4		0.162	28.549	18.778	-26.812	55.361	9.772	AV
5		0.214	50.599	40.806	-12.450	63.049	9.793	QP
6		0.214	33.622	23.829	-19.426	53.049	9.793	AV
7		0.230	45.865	36.066	-16.584	62.450	9.800	QP
8		0.230	27.933	18.133	-24.517	52.450	9.800	AV
9		0.286	32.996	23.178	-27.644	60.640	9.817	QP
10		0.286	15.544	5.726	-35.096	50.640	9.817	AV
11		0.358	44.393	34.537	-14.382	58.775	9.855	QP
12		0.358	30.119	20.263	-18.656	48.775	9.855	AV
13		0.430	46.503	36.610	-10.750	57.253	9.893	QP
14		0.430	29.521	19.629	-17.731	47.253	9.893	AV
15		0.514	43.581	33.641	-12.419	56.000	9.940	QP
16		0.514	27.569	17.630	-18.431	46.000	9.940	AV

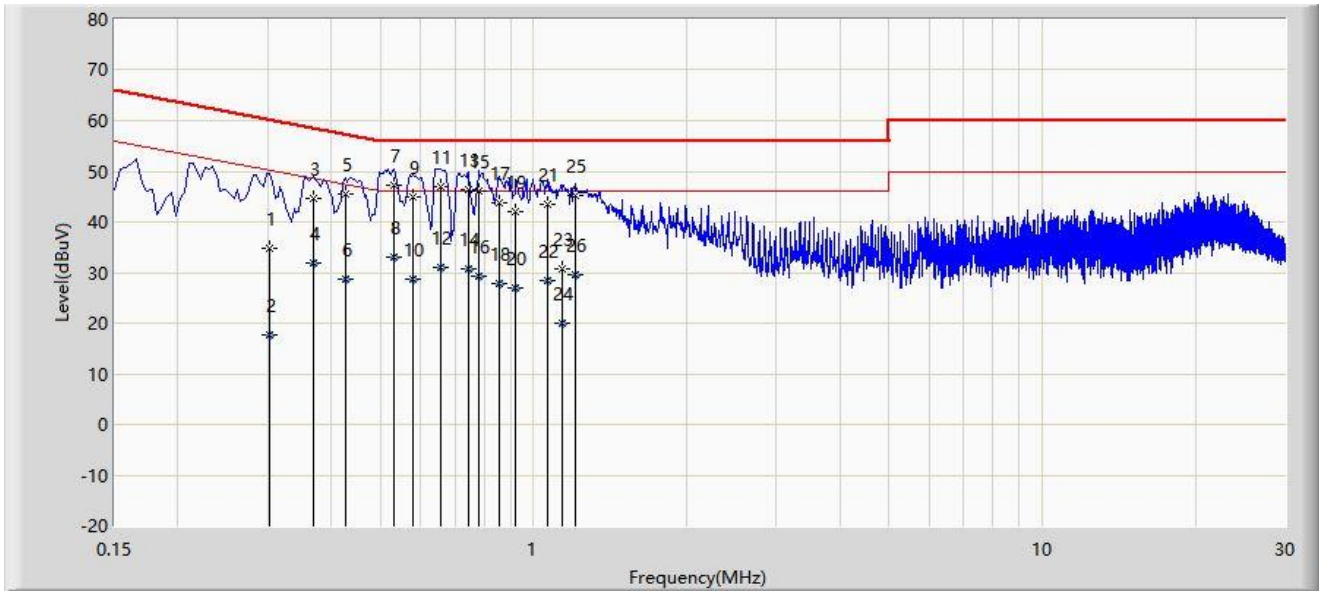
17		0.594	46.397	36.414	-9.603	56.000	9.984	QP
18		0.594	30.641	20.658	-15.359	46.000	9.984	AV
19	*	0.670	47.457	37.431	-8.543	56.000	10.027	QP
20		0.670	29.118	19.091	-16.882	46.000	10.027	AV
21		0.718	46.851	36.796	-9.149	56.000	10.055	QP
22		0.718	29.785	19.730	-16.215	46.000	10.055	AV
23		0.782	46.106	36.009	-9.894	56.000	10.097	QP
24		0.782	28.574	18.477	-17.426	46.000	10.097	AV
25		0.858	46.159	36.018	-9.841	56.000	10.141	QP
26		0.858	30.185	20.044	-15.815	46.000	10.141	AV
27		0.998	46.874	36.646	-9.126	56.000	10.229	QP
28		0.998	30.889	20.660	-15.111	46.000	10.229	AV
29		1.214	45.897	35.643	-10.103	56.000	10.255	QP
30		1.214	29.792	19.537	-16.208	46.000	10.255	AV

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

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

Note 3: Factor (dB) = Cable Loss (dB) + LISN Factor (dB).

Site: WZ-SR2	Test Date: 2023-12-13
Temperature: 18.9°C	Humidity: 41.7%
Limit: FCC_Part15.207_CE_AC Power	Engineer: Linda Wei
Probe: ENV216_101683_Filter Off_E	Polarity: Neutral
EUT: Titan Pad	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at 2437MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV)	Factor (dB)	Type
1		0.302	34.710	24.879	-25.478	60.188	9.831	QP
2		0.302	17.589	7.758	-32.599	50.188	9.831	AV
3		0.370	44.744	34.878	-13.757	58.501	9.866	QP
4		0.370	31.832	21.966	-16.669	48.501	9.866	AV
5		0.426	45.455	35.554	-11.876	57.330	9.901	QP
6		0.426	28.754	18.854	-18.576	47.330	9.901	AV
7	*	0.530	47.351	37.392	-8.649	56.000	9.958	QP
8		0.530	33.142	23.184	-12.858	46.000	9.958	AV
9		0.578	44.989	35.005	-11.011	56.000	9.985	QP
10		0.578	28.773	18.789	-17.227	46.000	9.985	AV
11		0.658	46.952	36.922	-9.048	56.000	10.030	QP
12		0.658	31.069	21.040	-14.931	46.000	10.030	AV
13		0.746	46.430	36.346	-9.570	56.000	10.083	QP
14		0.746	30.818	20.734	-15.182	46.000	10.083	AV
15		0.782	46.180	36.073	-9.820	56.000	10.107	QP
16		0.782	29.375	19.269	-16.625	46.000	10.107	AV

17		0.854	43.734	33.585	-12.266	56.000	10.149	QP
18		0.854	27.707	17.558	-18.293	46.000	10.149	AV
19		0.922	42.098	31.912	-13.902	56.000	10.186	QP
20		0.922	26.913	16.727	-19.087	46.000	10.186	AV
21		1.066	43.473	33.229	-12.527	56.000	10.244	QP
22		1.066	28.511	18.266	-17.489	46.000	10.244	AV
23		1.138	30.767	20.508	-25.233	56.000	10.260	QP
24		1.138	20.023	9.764	-25.977	46.000	10.260	AV
25		1.206	45.193	34.920	-10.807	56.000	10.274	QP
26		1.206	29.655	19.381	-16.345	46.000	10.274	AV

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

Note 2: Measure Level (dB μ V) = Reading Level (dB μ V) + Factor (dB).

Note 3: Factor (dB) = Cable Loss (dB) + LISN Factor (dB).

Appendix B – Test Setup Photograph

Refer to “2312RSU005-UT” file.

Appendix C – EUT Photograph

Refer to “2312RSU005-UE” file.

The End
