

Wi-Fi 802.11 n(HT20) mode, MCS0

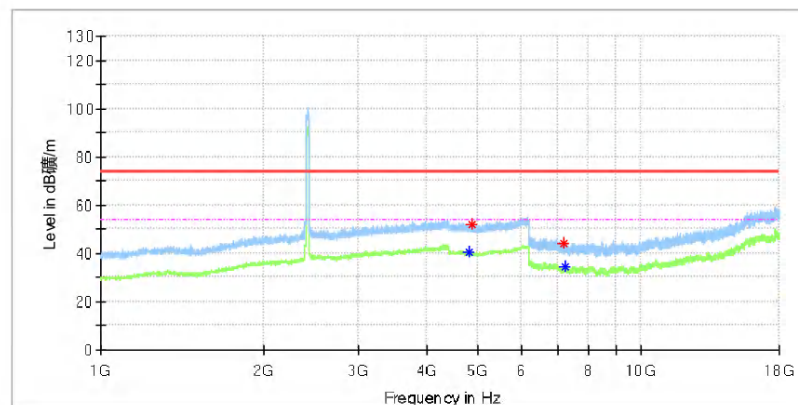
Test

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Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
TestMode:	Wi-Fi 2.4G 11n_TX_Low
TestVoltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:56%
TestStandard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4808.500000	---	40.57	54.00	13.43	100.0	H	356.0	13.6
4860.500000	51.78	---	74.00	22.22	100.0	H	96.0	13.4
7177.433333	43.86	---	74.00	30.14	100.0	H	359.0	8.8
7222.666667	---	34.50	54.00	19.50	100.0	H	196.0	8.7

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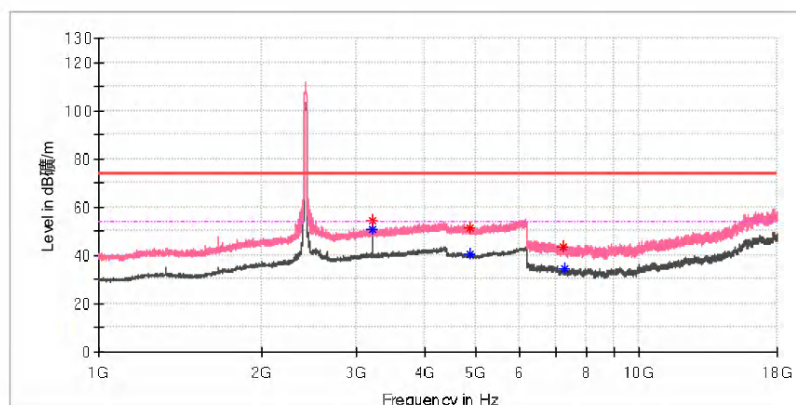
Test

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Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
Test Mode:	Wi-Fi 2.4G 11n_TX_Low
Test Voltage:	AC 120V@60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
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Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3216.000000	54.45	---	74.00	19.55	100.0	V	287.0	8.6
3216.000000	---	50.78	54.00	3.22	100.0	V	287.0	8.6
4859.000000	51.35	---	74.00	22.65	100.0	V	233.0	13.4
4864.000000	---	40.28	54.00	13.72	100.0	V	354.0	13.4
7210.375000	43.50	---	74.00	30.50	100.0	V	5.0	8.7
7298.875000	---	34.42	54.00	19.58	100.0	V	226.0	8.3

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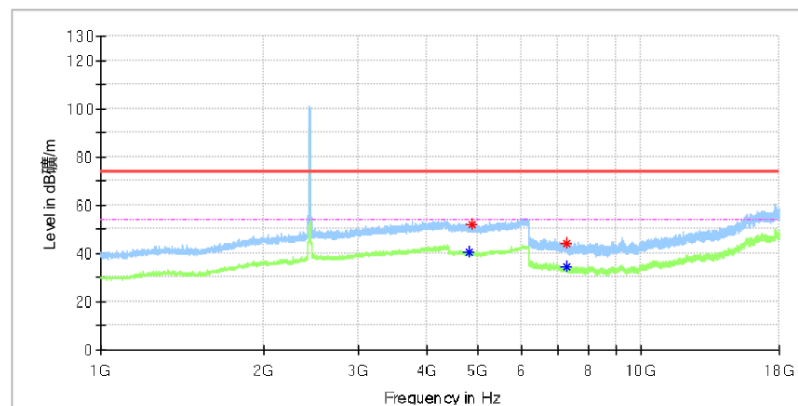
Test

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Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
Test Mode:	Wi-Fi 2.4G 11n_TX_Mid
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4816.500000	---	40.54	54.00	13.46	100.0	H	37.0	13.5
4877.500000	51.70	---	74.00	22.30	100.0	H	21.0	13.4
7261.016667	44.41	---	74.00	29.59	100.0	H	223.0	8.5
7296.908333	---	34.51	54.00	19.49	100.0	H	260.0	8.3

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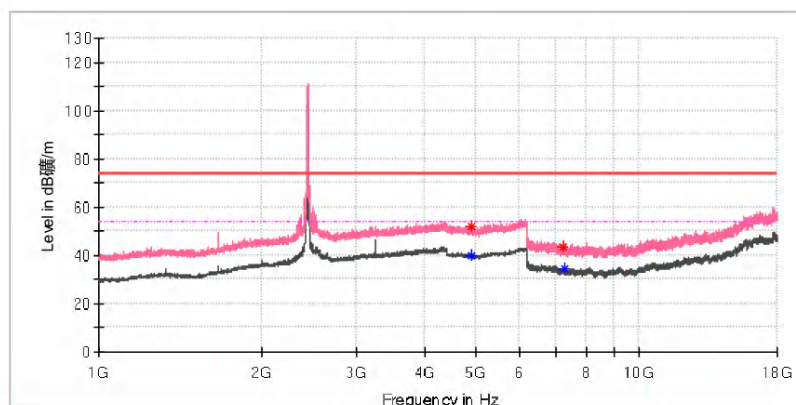
Test

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Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
Test Mode:	Wi-Fi 2.4G 11n_TX_Mid
Test Voltage:	AC 120V@60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
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Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4892.000000	52.05	---	74.00	21.95	100.0	V	270.0	13.3
4899.000000	---	40.20	54.00	13.80	100.0	V	76.0	13.3
7231.025000	43.59	---	74.00	30.41	100.0	V	192.0	8.6
7273.800000	---	34.26	54.00	19.74	100.0	V	78.0	8.4

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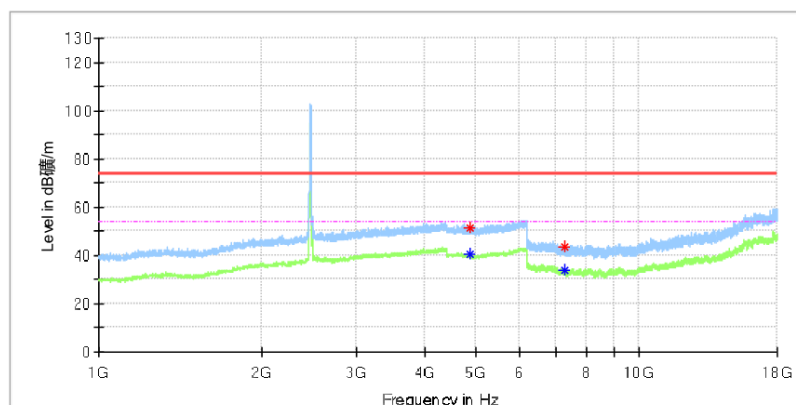
Test

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Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
Test Mode:	Wi-Fi 2.4G 11n_TX_High
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4853.000000	51.39	---	74.00	22.61	100.0	H	71.0	13.4
4857.000000	---	40.26	54.00	13.74	100.0	H	3.0	13.4
7264.950000	43.34	---	74.00	30.66	100.0	H	108.0	8.5
7287.566667	---	34.04	54.00	19.96	100.0	H	324.0	8.4

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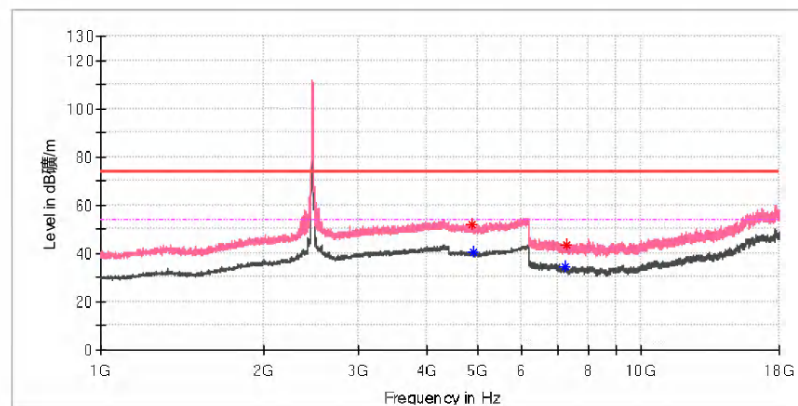
Test

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Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
Test Mode:	Wi-Fi 2.4G 11n_TX_High
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4862.500000	51.83	---	74.00	22.17	100.0	V	312.0	13.4
4902.500000	---	40.29	54.00	13.71	100.0	V	131.0	13.3
7242.825000	---	34.34	54.00	19.66	100.0	V	118.0	8.6
7262.000000	43.71	---	74.00	30.29	100.0	V	137.0	8.5

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Wi-Fi 802.11 n(HT40) mode, MCS0

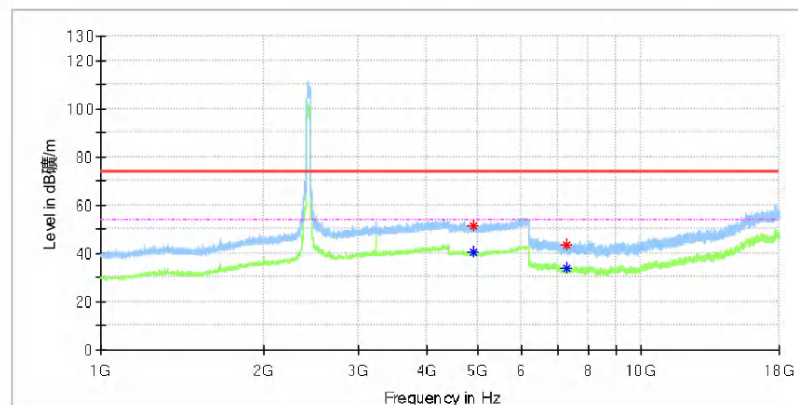
Test

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Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
TestMode:	Wi-Fi 2.4G 11n40_TX_Low
TestVoltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:56%
TestStandard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4901.000000	---	40.68	54.00	13.32	100.0	H	120.0	13.3
4902.500000	51.20	---	74.00	22.80	100.0	H	307.0	13.3
7269.375000	43.64	---	74.00	30.36	100.0	H	96.0	8.5
7279.700000	---	33.96	54.00	20.04	100.0	H	57.0	8.4

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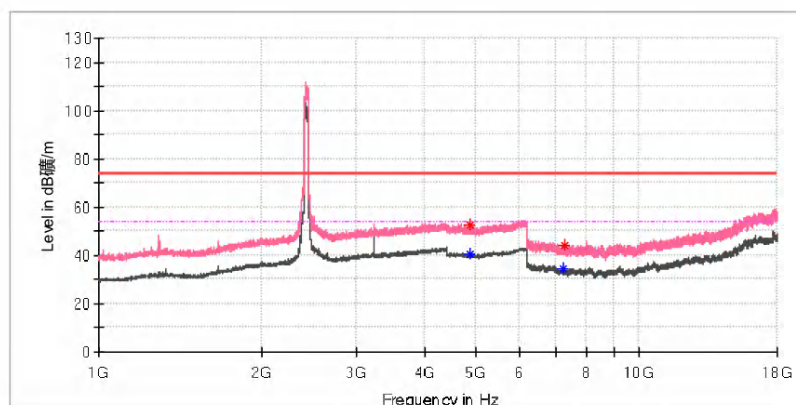
Test

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Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
Test Mode:	Wi-Fi 2.4G 11n40_TX_Low
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4856.500000	52.31	—	74.00	21.69	100.0	V	153.0	13.4
4868.000000	—	40.42	54.00	13.58	100.0	V	188.0	13.4
7241.350000	—	34.29	54.00	19.71	100.0	V	187.0	8.6
7264.950000	44.39	—	74.00	29.61	100.0	V	167.0	8.5

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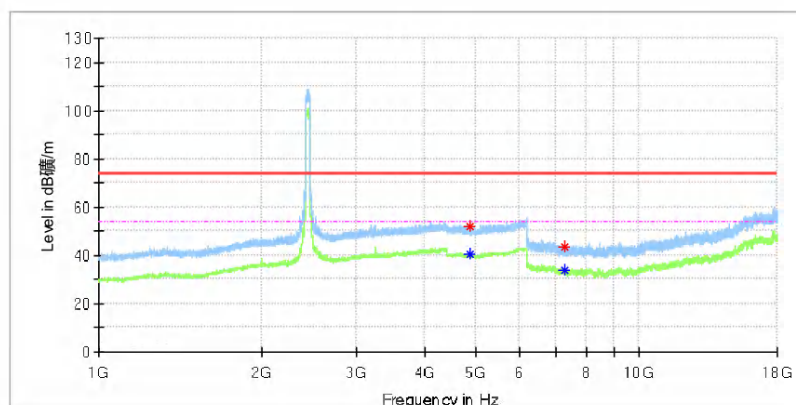
Test

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Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
Test Mode:	Wi-Fi 2.4G 11n40_TX_Mid
Test Voltage:	AC 120V@60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4860.000000	---	40.37	54.00	13.64	100.0	H	0.0	13.4
4877.000000	51.91	---	74.00	22.09	100.0	H	149.0	13.4
7280.191667	---	33.86	54.00	20.14	100.0	H	153.0	8.4
7292.975000	43.38	---	74.00	30.62	100.0	H	213.0	8.3

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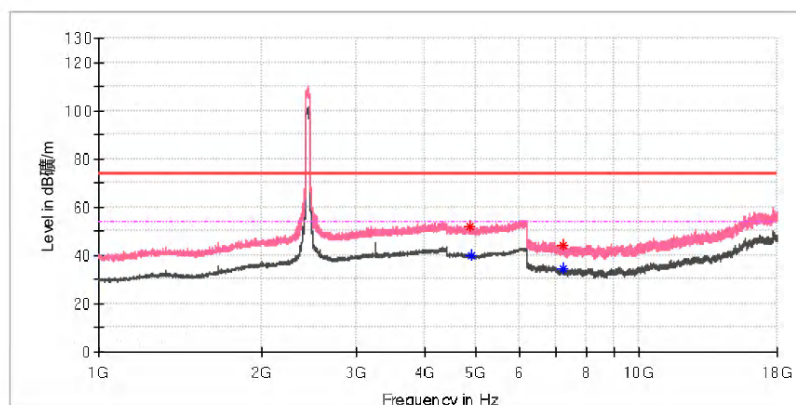
Test

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Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
Test Mode:	Wi-Fi 2.4G 11n40_TX_Mid
Test Voltage:	AC 120V@60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4869.500000	51.95	---	74.00	22.05	100.0	V	240.0	13.4
4892.500000	---	40.17	54.00	13.83	100.0	V	88.0	13.3
7222.175000	44.17	---	74.00	29.83	100.0	V	294.0	8.7
7232.991667	---	34.48	54.00	19.52	100.0	V	358.0	8.6

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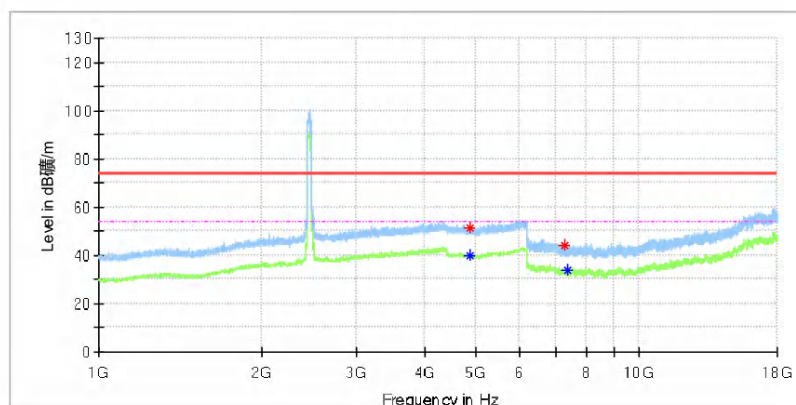
Test

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Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
Test Mode:	Wi-Fi 2.4G 11n40_TX_High
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4854.000000	51.56	---	74.00	22.44	100.0	H	357.0	13.4
4862.000000	---	40.12	54.00	13.88	100.0	H	104.0	13.4
7291.008333	43.89	---	74.00	30.11	100.0	H	147.0	8.3
7390.325000	---	33.86	54.00	20.14	100.0	H	128.0	8.2

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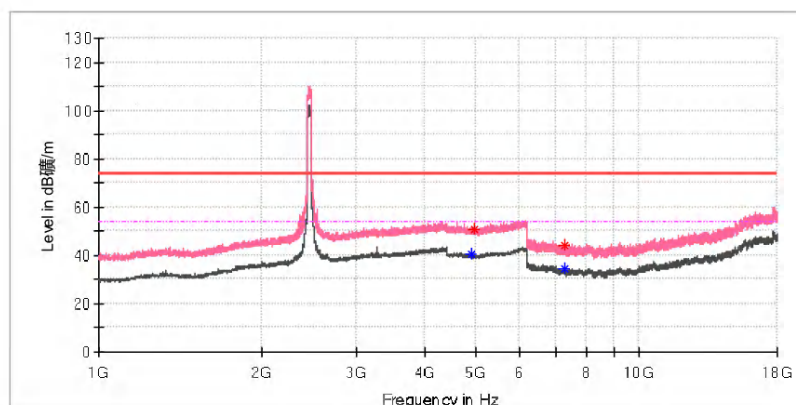
Test

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Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
Test Mode:	Wi-Fi 2.4G 11n40_TX_High
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4900.500000	---	40.36	54.00	13.64	100.0	V	81.0	13.3
4949.500000	51.05	---	74.00	22.95	100.0	V	5.0	13.2
7262.000000	---	34.37	54.00	19.63	100.0	V	0.0	8.5
7283.633333	44.28	---	74.00	29.72	100.0	V	168.0	8.4

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Appendix B.5: Test Results of Radiated Emissions in Restricted Bands

MIMO_Chain 0,1,2,3

Wi-Fi 802.11 b mode, 1 Mbps

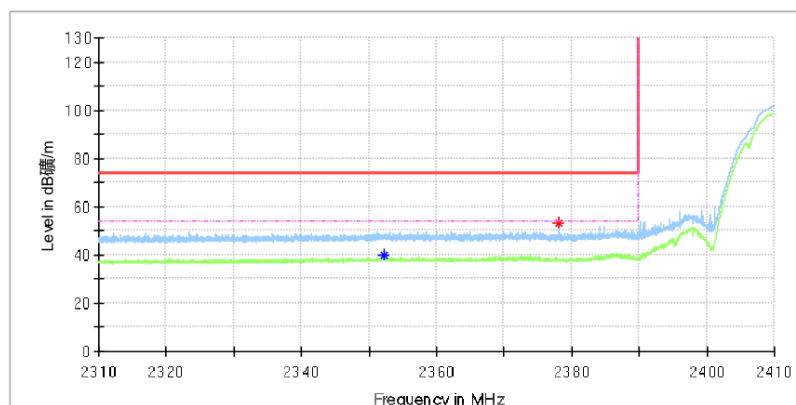
Test

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Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
TestMode:	Wi-Fi 2.4G 11b_TX_Low
TestVoltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:56%
TestStandard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2352.161765	—	40.12	54.00	13.88	100.0	H	32.0	6.9
2378.058824	53.45	—	74.00	20.55	100.0	H	205.0	6.9

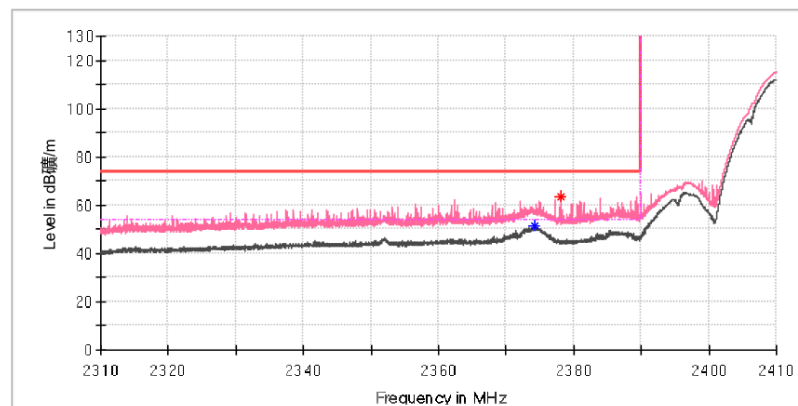
Test

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Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
Test Mode:	Wi-Fi 2.4G 11b_TX_Low
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2374.176471	---	51.10	54.00	2.90	100.0	V	0.0	6.9
2378.029412	63.63	---	74.00	10.37	100.0	V	345.0	6.9

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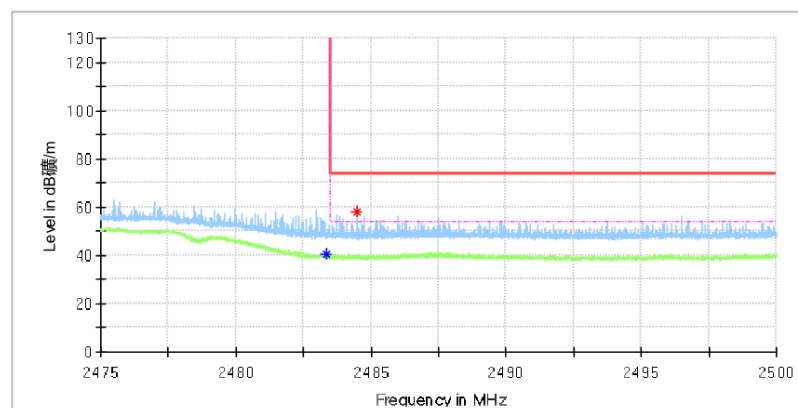
Test

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Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
Test Mode:	Wi-Fi 2.4G 11b_TX_High
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.575000	---	40.29	54.00	13.71	100.0	H	10.0	7.4
2484.488971	58.07	---	74.00	15.93	100.0	H	163.0	7.4

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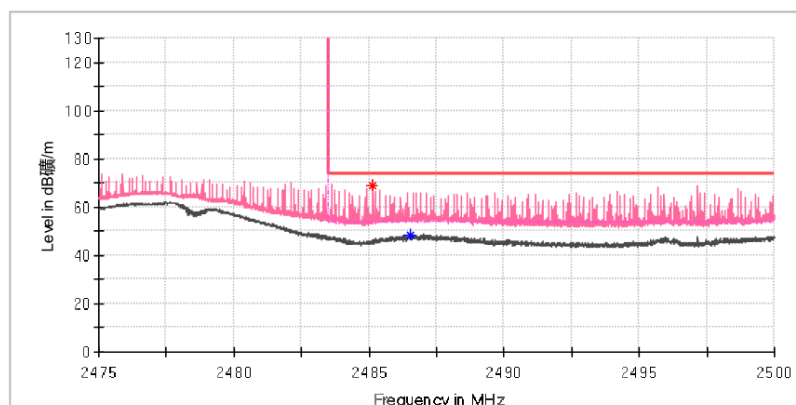
Test

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Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
Test Mode:	Wi-Fi 2.4G 11b_TX_High
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
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Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2485.154412	69.21	---	74.00	4.79	100.0	V	4.0	7.4
2486.507353	---	48.40	54.00	5.60	100.0	V	0.0	7.4

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Wi-Fi 802.11 g mode, 6 Mbps

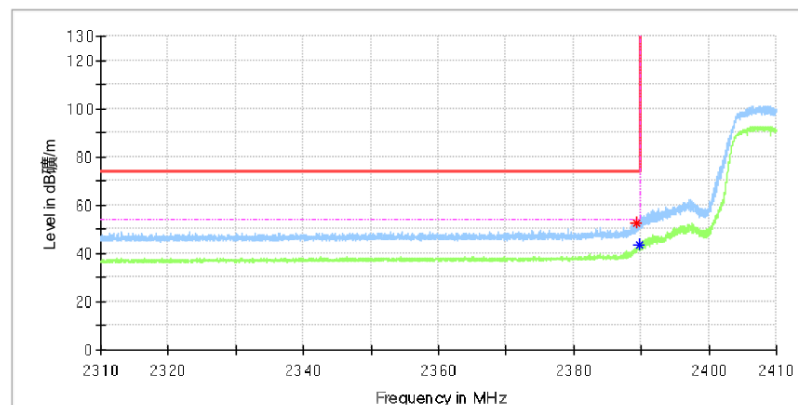
Test

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Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
Test Mode:	Wi-Fi 2.4G 11g_TX_Low
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.382353	52.79	---	74.00	21.21	100.0	H	236.0	7.0
2389.720588	---	43.61	54.00	10.39	100.0	H	236.0	7.0

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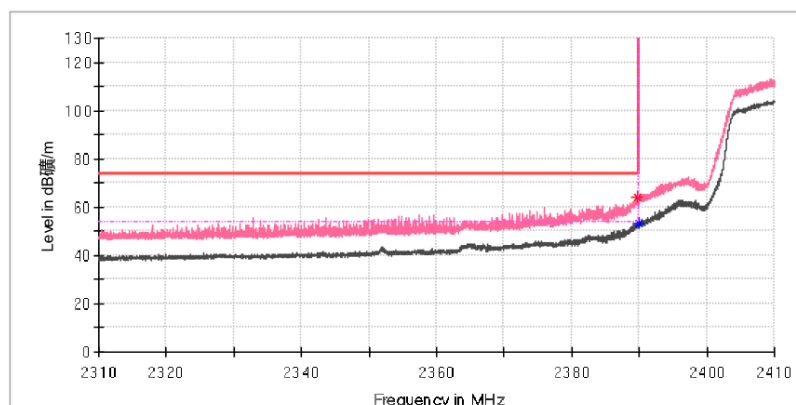
Test

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Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
Test Mode:	Wi-Fi 2.4G 11g_TX_Low
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.764706	64.01	---	74.00	9.99	100.0	V	0.0	7.0
2389.941177	---	53.19	54.00	0.81	100.0	V	0.0	7.0

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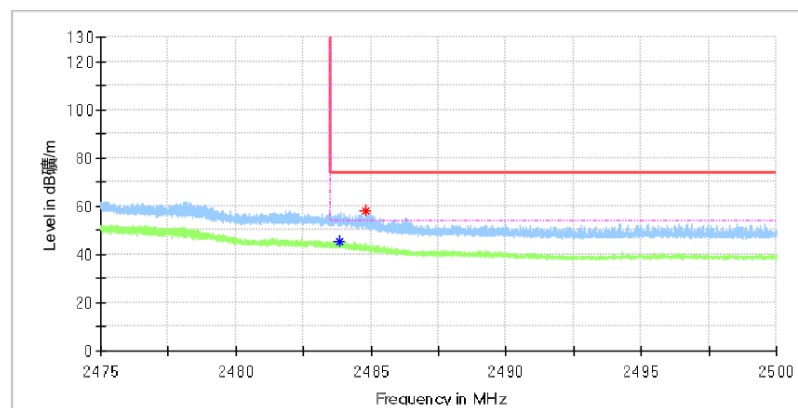
Test

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Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
Test Mode:	Wi-Fi 2.4G 11g_TX_High
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.845588	—	45.39	54.00	8.61	100.0	H	172.0	7.4
2484.819853	58.28	—	74.00	15.72	100.0	H	172.0	7.4

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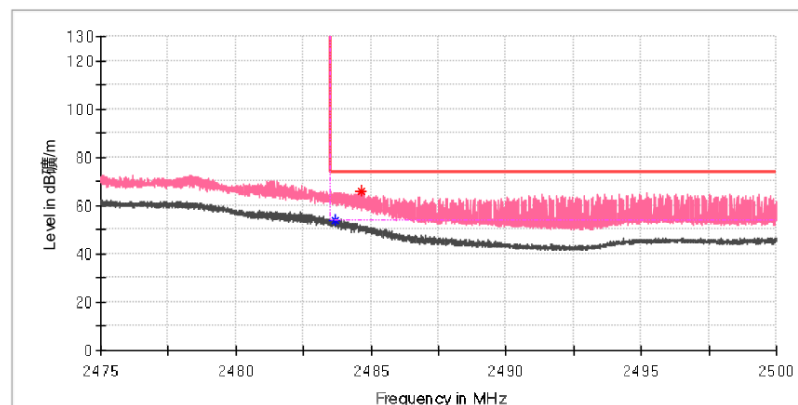
Test

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Test Report

EUT Information

EUT Name:	MeshBox Tesla
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Test Mode:	Wi-Fi 2.4G 11g_TX_High
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.658088	---	53.95	54.00	0.05	100.0	V	334.0	7.4
2484.617647	65.97	---	74.00	8.03	100.0	V	334.0	7.4

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Wi-Fi 802.11 n(HT20) mode, MCS0

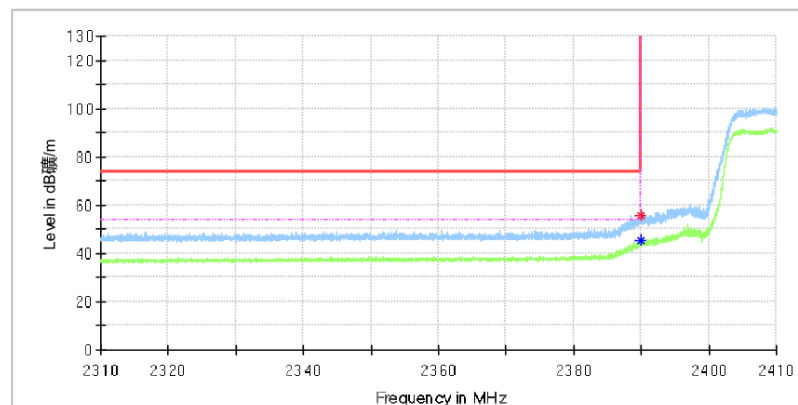
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Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
Test Mode:	Wi-Fi 2.4G 11n_TX_Low
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.926471	---	45.45	54.00	8.55	100.0	H	201.0	7.0
2389.970588	55.77	---	74.00	18.23	100.0	H	201.0	7.0

23/3/2020

11:10:01 AM

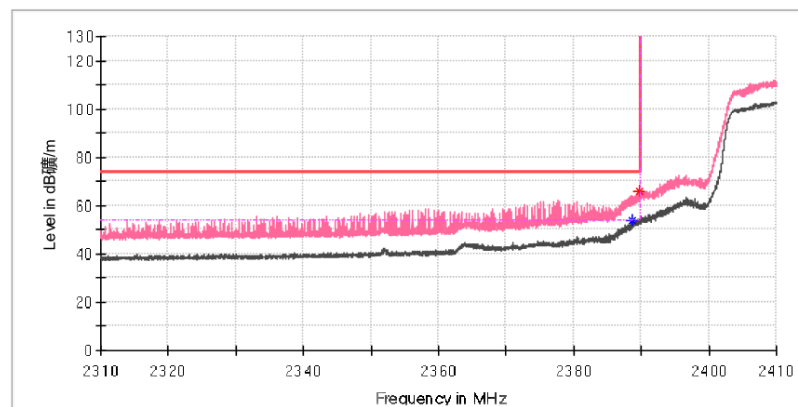
Test

2 / 4

Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
Test Mode:	Wi-Fi 2.4G 11n_TX_Low
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2388.720588	---	53.93	54.00	0.07	100.0	V	10.0	7.0
2389.823529	65.76	---	74.00	8.24	100.0	V	2.0	7.0

23/3/2020

11:10:01 AM

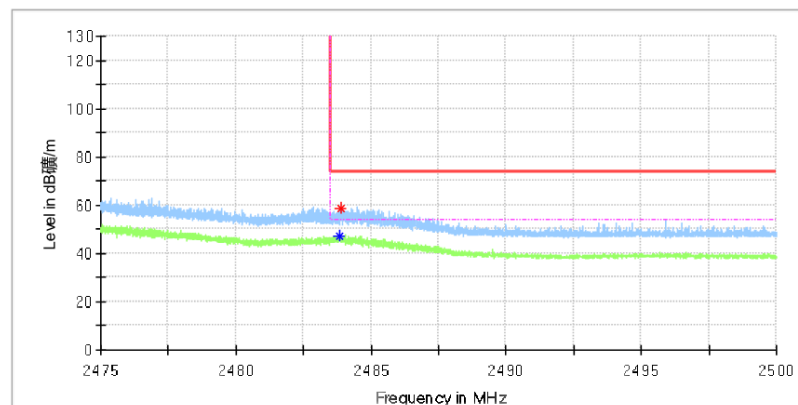
Test

3 / 4

Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
Test Mode:	Wi-Fi 2.4G 11n_TX_High
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.823530	---	47.08	54.00	6.92	100.0	H	172.0	7.4
2483.867647	58.75	---	74.00	15.25	100.0	H	172.0	7.4

23/3/2020

11:10:01 AM

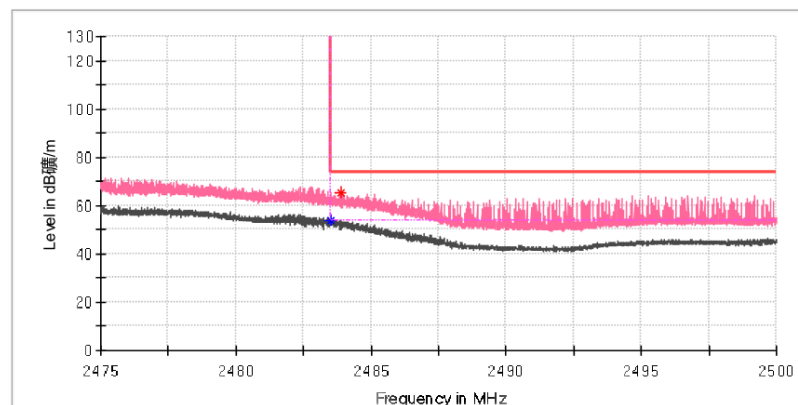
Test

4 / 4

Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
Test Mode:	Wi-Fi 2.4G 11n_TX_High
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.536765	---	53.80	54.00	0.20	100.0	V	336.0	7.4
2483.908088	65.03	---	74.00	8.97	100.0	V	336.0	7.4

23/3/2020

11:10:01 AM

Wi-Fi 802.11 n(HT40) mode, MCS0

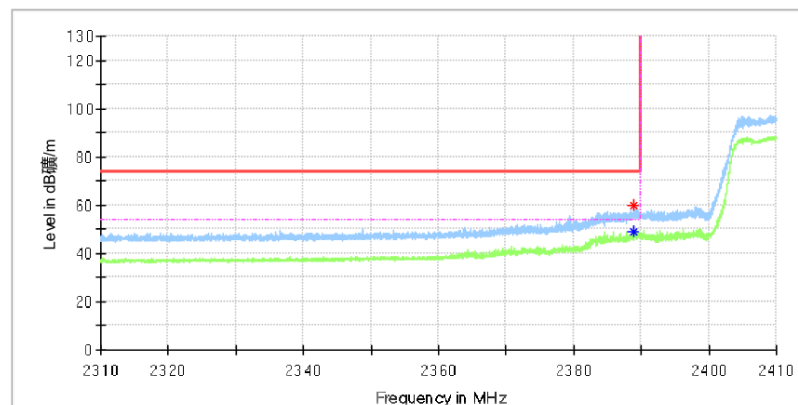
Test

1 / 4

Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
Test Mode:	Wi-Fi 2.4G 11n40_TX_Low
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2388.911765	---	49.08	54.00	4.92	100.0	H	152.0	7.0
2388.911765	59.63	---	74.00	14.37	100.0	H	152.0	7.0

23/3/2020

4:56:21 PM

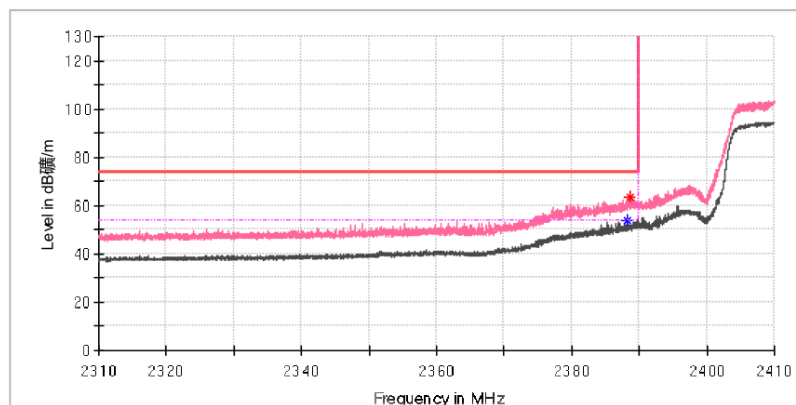
Test

2 / 4

Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
Test Mode:	Wi-Fi 2.4G 11n40_TX_Low
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2388.235294	---	53.60	54.00	0.40	100.0	V	164.0	7.0
2388.632353	63.36	---	74.00	10.64	100.0	V	10.0	7.0

23/3/2020

4:56:21 PM

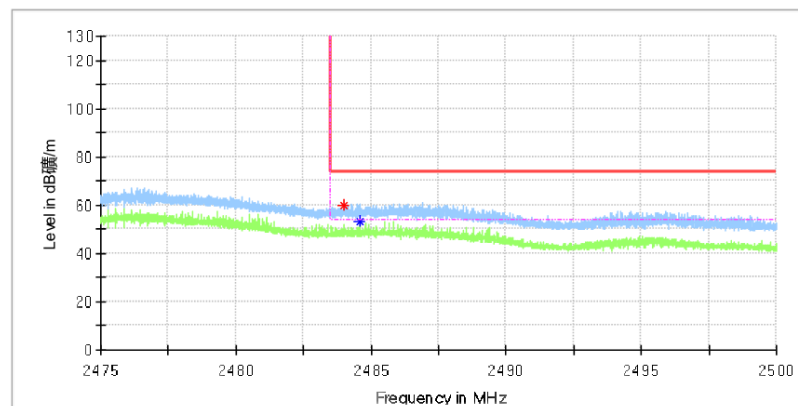
Test

3 / 4

Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
Test Mode:	Wi-Fi 2.4G 11n40_TX_High
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.992647	60.15	---	74.00	13.85	100.0	H	13.0	7.4
2484.599265	---	53.17	54.00	0.83	100.0	H	13.0	7.4

23/3/2020

4:56:21 PM

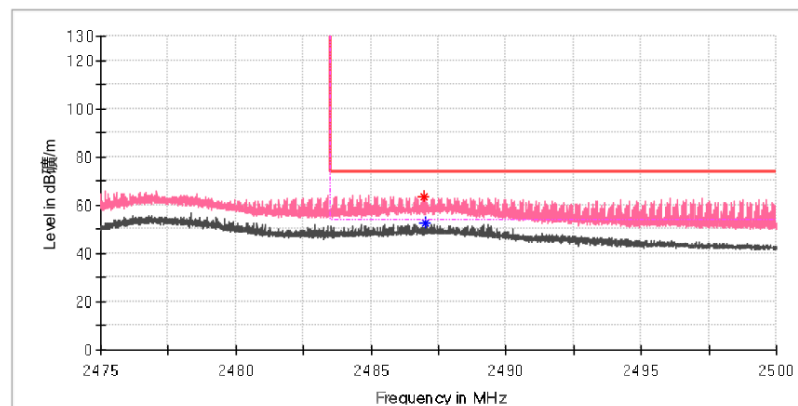
Test

4 / 4

Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
Test Mode:	Wi-Fi 2.4G 11n40_TX_High
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2486.941177	63.63	---	74.00	10.37	100.0	V	0.0	7.4
2487.007353	---	52.32	54.00	1.68	100.0	V	0.0	7.4

23/3/2020

4:56:21 PM

SISO_Chain 2
Wi-Fi 802.11 b mode, 1 Mbps

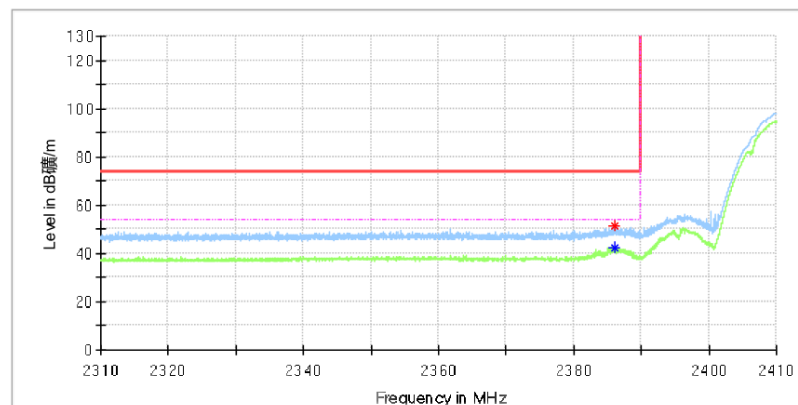
Test

1 / 4

Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
Test Mode:	Wi-Fi 2.4G 11b_TX_Low
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2386.088235	---	42.59	54.00	11.41	100.0	H	153.0	7.0
2386.132353	51.10	---	74.00	22.90	100.0	H	153.0	7.0

16/4/2020

2:08:45 PM

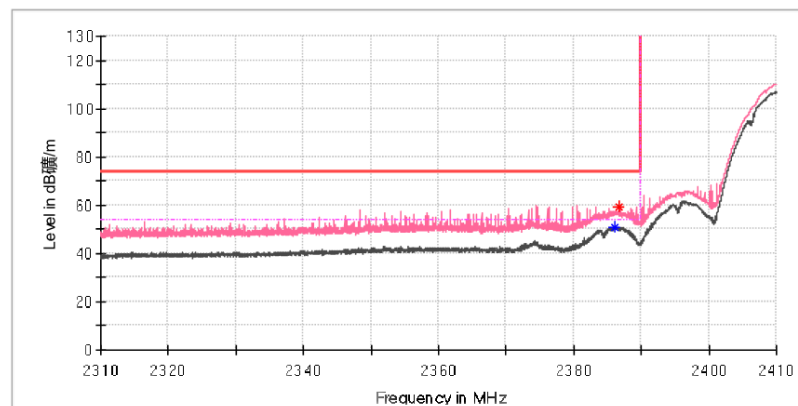
Test

2 / 4

Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
Test Mode:	Wi-Fi 2.4G 11b_TX_Low
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2386.088235	---	50.82	54.00	3.18	100.0	V	9.0	7.0
2386.720588	59.08	---	74.00	14.92	100.0	V	17.0	7.0

16/4/2020

2:08:45 PM

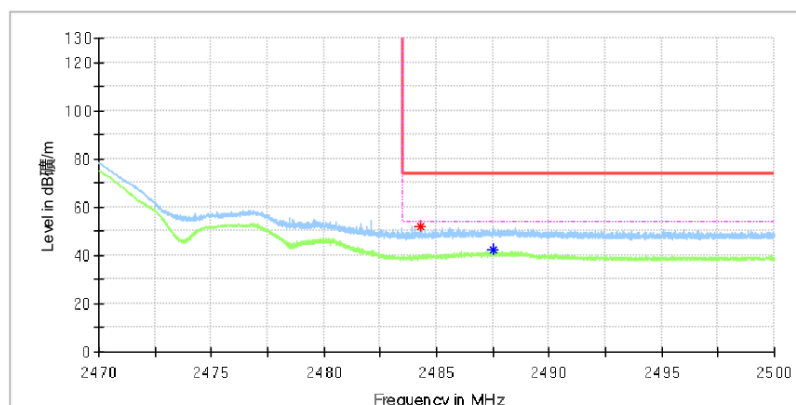
Test

3 / 4

Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
Test Mode:	Wi-Fi 2.4G 11b_TX_High
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2484.267647	52.06	---	74.00	21.94	100.0	H	152.0	7.4
2487.550000	---	42.28	54.00	11.72	100.0	H	95.0	7.4

16/4/2020

2:08:45 PM

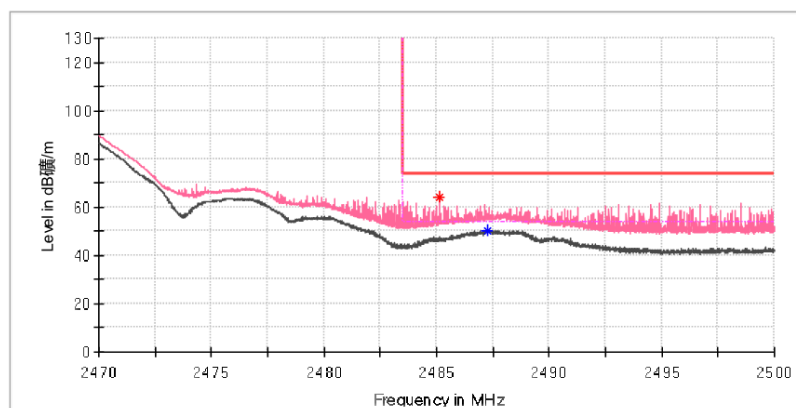
Test

4 / 4

Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
Test Mode:	Wi-Fi 2.4G 11b_TX_High
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2485.154412	63.82	---	74.00	10.18	100.0	V	17.0	7.4
2487.263235	---	50.44	54.00	3.56	100.0	V	10.0	7.4

16/4/2020

2:08:45 PM

Wi-Fi 802.11 g mode, 6 Mbps

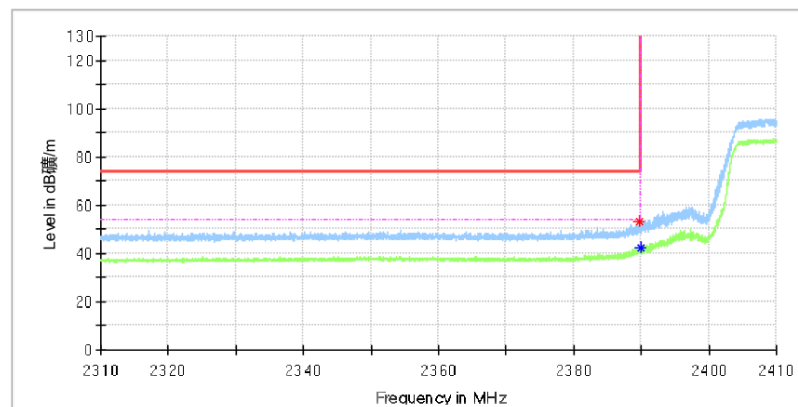
Test

1 / 4

Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
Test Mode:	Wi-Fi 2.4G 11g_TX_Low
Test Voltage:	AC 120V@60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.823529	53.13	—	74.00	20.87	100.0	H	154.0	7.0
2390.000000	—	42.48	54.00	11.52	100.0	H	154.0	7.0

16/4/2020

2:22:36 PM

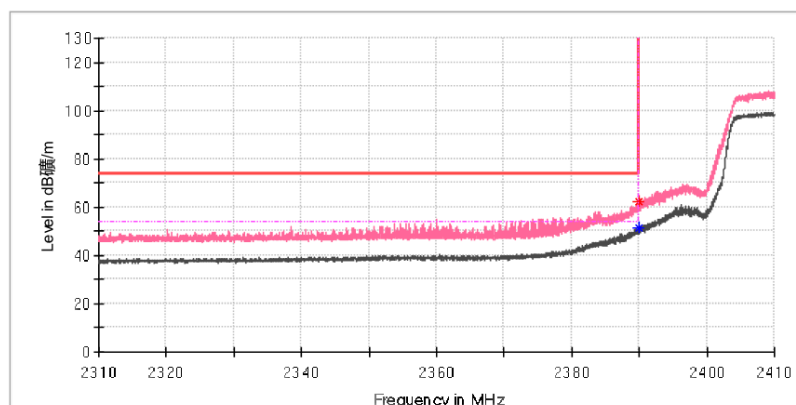
Test

2 / 4

Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
Test Mode:	Wi-Fi 2.4G 11g_TX_Low
Test Voltage:	AC 120V@60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.867647	62.37	---	74.00	11.63	100.0	V	10.0	7.0
2389.941177	---	51.40	54.00	2.60	100.0	V	10.0	7.0

16/4/2020

2:22:36 PM

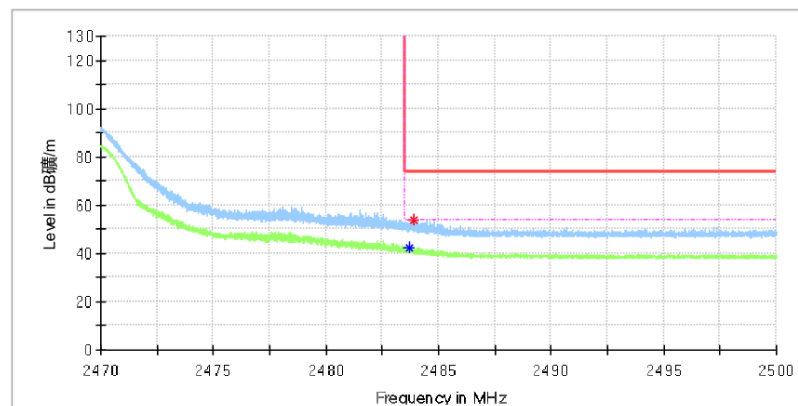
Test

3 / 4

Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
Test Mode:	Wi-Fi 2.4G 11g_TX_High
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.738235	---	42.49	54.00	11.51	100.0	H	155.0	7.4
2483.897059	53.87	---	74.00	20.13	100.0	H	155.0	7.4

16/4/2020

2:22:36 PM

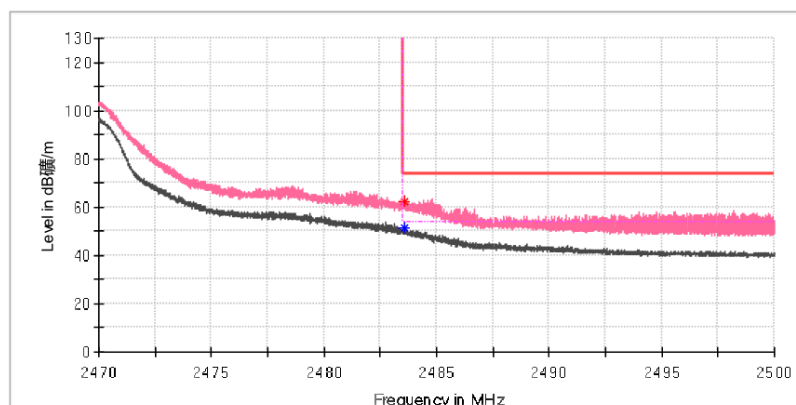
Test

4 / 4

Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
Test Mode:	Wi-Fi 2.4G 11g_TX_High
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.548530	---	51.10	54.00	2.90	100.0	V	19.0	7.4
2483.552941	62.45	---	74.00	11.55	100.0	V	10.0	7.4

16/4/2020

2:22:36 PM

Wi-Fi 802.11 n(HT20) mode, MCS0

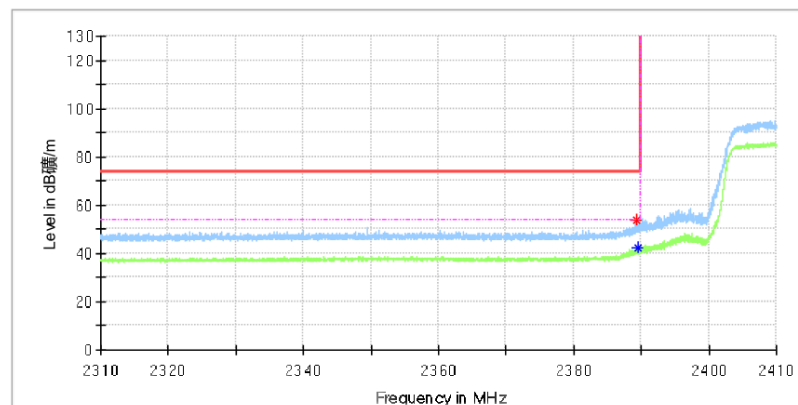
Test

1 / 4

Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
Test Mode:	Wi-Fi 2.4G 11n20_TX_Low
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.352941	53.80	---	74.00	20.20	100.0	H	155.0	7.0
2389.544118	---	42.50	54.00	11.50	100.0	H	155.0	7.0

16/4/2020

2:37:35 PM

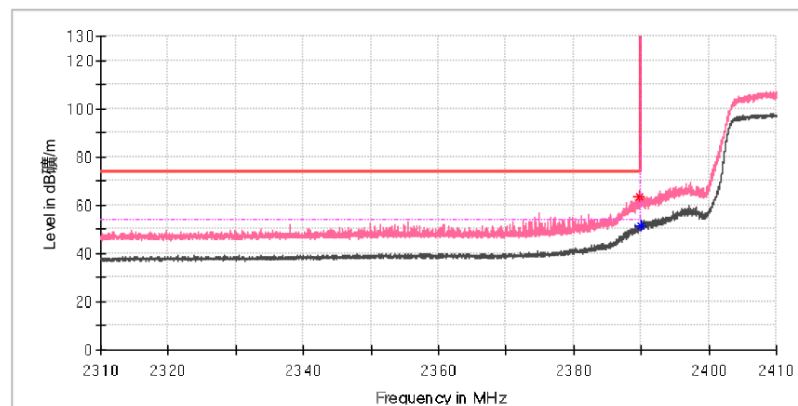
Test

2 / 4

Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
Test Mode:	Wi-Fi 2.4G 11n20_TX_Low
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.823529	63.73	---	74.00	10.27	100.0	V	17.0	7.0
2389.882353	---	51.67	54.00	2.33	100.0	V	10.0	7.0

16/4/2020

2:37:35 PM

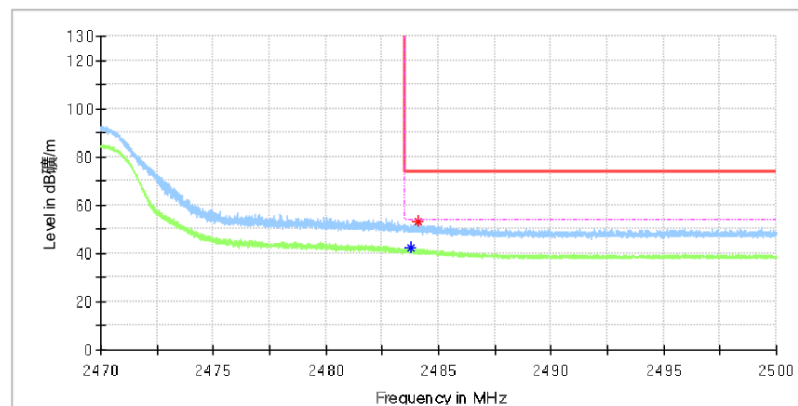
Test

3 / 4

Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
Test Mode:	Wi-Fi 2.4G 11n20_TX_High
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.747059	---	42.19	54.00	11.81	100.0	H	158.0	7.4
2484.064706	53.08	---	74.00	20.92	100.0	H	158.0	7.4

16/4/2020

2:37:35 PM

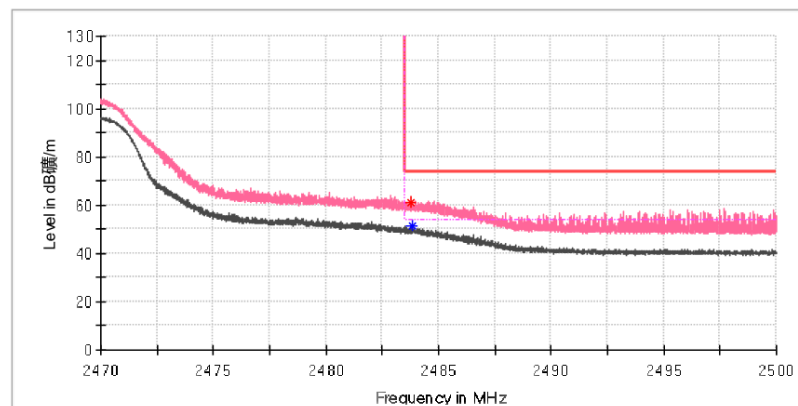
Test

4 / 4

Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
Test Mode:	Wi-Fi 2.4G 11n20_TX_High
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.795588	61.34	---	74.00	12.66	100.0	V	17.0	7.4
2483.817647	---	51.33	54.00	2.67	100.0	V	10.0	7.4

16/4/2020

2:37:35 PM

Wi-Fi 802.11 n(HT40) mode, MCS0

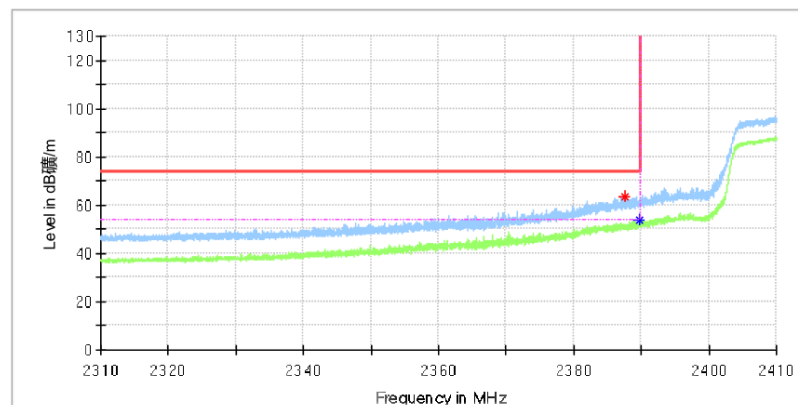
Test

1 / 4

Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
Test Mode:	Wi-Fi 2.4G 11n40_TX_Low
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2387.647059	63.65	---	74.00	10.35	100.0	H	200.0	7.0
2389.794118	---	53.60	54.00	0.40	100.0	H	200.0	7.0

24/3/2020

11:11:49 AM

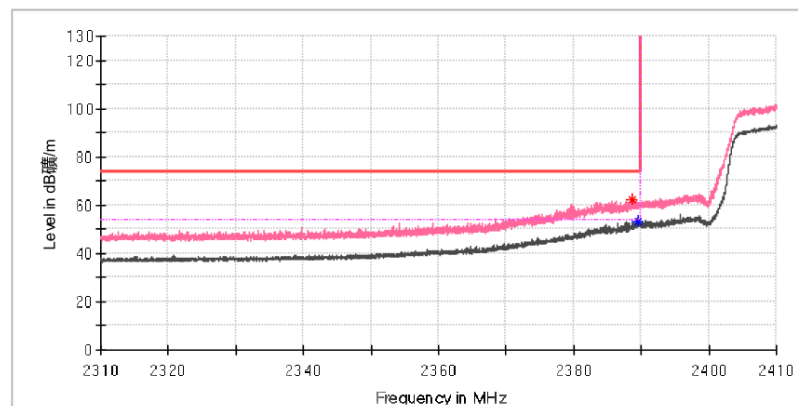
Test

2 / 4

Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
Test Mode:	Wi-Fi 2.4G 11n40_TX_Low
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2388.705882	62.51	---	74.00	11.49	100.0	V	6.0	7.0
2389.455882	---	53.37	54.00	0.63	100.0	V	2.0	7.0

24/3/2020

11:11:49 AM

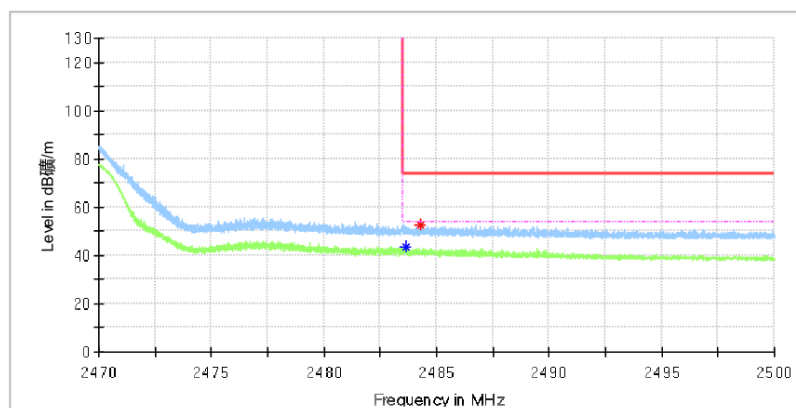
Test

3 / 4

Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
Test Mode:	Wi-Fi 2.4G 11n40_TX_High
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.645588	---	43.57	54.00	10.43	100.0	H	153.0	7.4
2484.307353	52.34	---	74.00	21.66	100.0	H	204.0	7.4

24/3/2020

11:11:49 AM

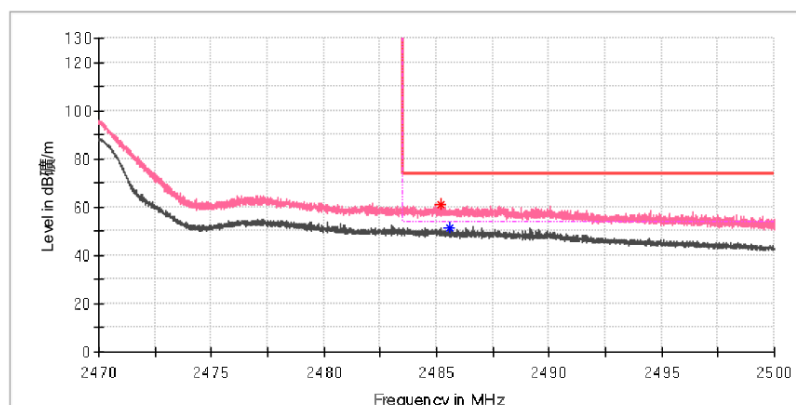
Test

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Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
Test Mode:	Wi-Fi 2.4G 11n40_TX_High
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2485.167647	60.88	---	74.00	13.12	100.0	V	25.0	7.4
2485.555882	---	51.45	54.00	2.55	100.0	V	0.0	7.4

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