

Wi-Fi 802.11 ac(HT80) mode

FCC 15.407 2017

Occupied Channel Bandwidth 99% (5775 MHz; 20.000 dBm; 80 MHz)

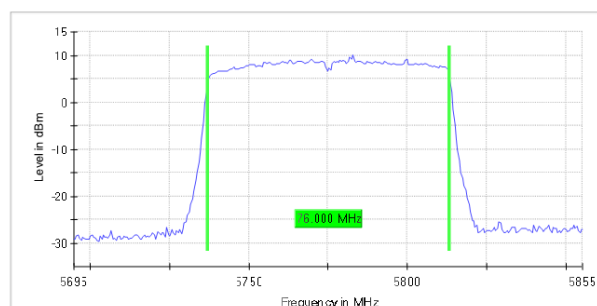
Test according to FCC title 47 part 15 §15.407(a),(e), KDB 789033 D02 General U-NII Test Procedures
New Rules v02r01 D and ANSI C63.10-2013

99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5775.000000	76.000000	---	---	5737.250000	5813.250000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
5775.000000	PASS



Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.69500 GHz	5.69500 GHz
Stop Frequency	5.85500 GHz	5.85500 GHz
Span	160.000 MHz	160.000 MHz
RBW	1.000 MHz	>= 800.000 kHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	320	~ 320
SweepTime	1.000 ms	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	26 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.07 dB	0.30 dB

Note: Testing was carried out within frequency range 9 kHz to the tenth harmonics. The measurement results below 30MHz and above 18GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

Appendix C.4: Test Results of Radiated Spurious Emissions

30MHz - 1GHz (Worst case)

Wi-Fi 802.11 a mode

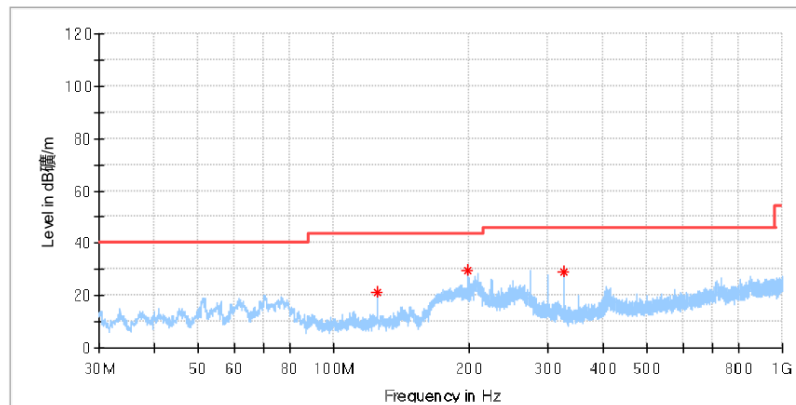
Test

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Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
TestMode:	Wi-Fi_5G Band 4_802.11a_TX_High
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.407
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)
124.963000	21.22	---	43.50	22.28	100.0	H	313.0	-21.6
199.168000	29.33	---	43.50	14.17	100.0	H	155.0	-19.4
324.977000	28.93	---	46.00	17.07	100.0	H	181.0	-15.9

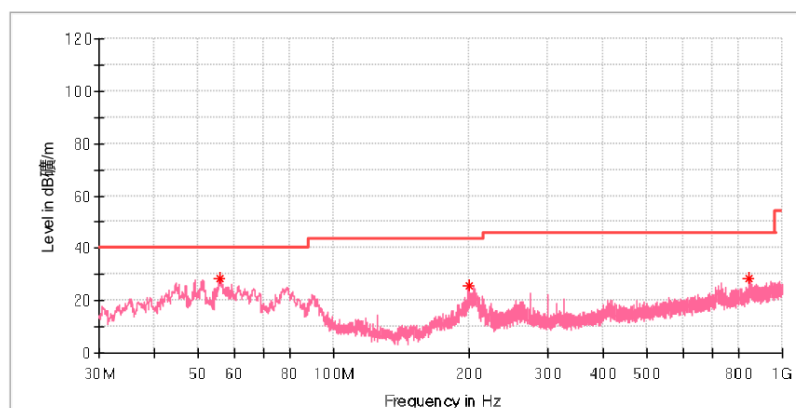
Test

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Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
TestMode:	Wi-Fi_5G Band 4_802.11a_TX_High
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.407
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)
55.996000	28.64	---	40.00	11.36	100.0	V	81.0	-18.8
199.701500	25.70	---	43.50	17.80	100.0	V	254.0	-19.3
844.800000	28.37	---	46.00	17.63	100.0	V	220.0	-6.0

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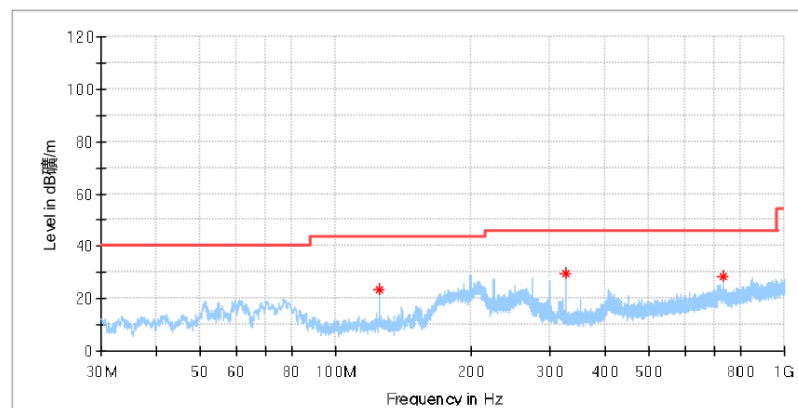
Test

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Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
TestMode:	Wi-Fi_5GBand 4_802.11a_TX_High
TestVoltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:56%
TestStandard:	FCC 15.407
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)
124.963000	23.29	---	43.50	20.21	100.0	H	143.0	-21.6
324.977000	29.36	---	46.00	16.64	100.0	H	176.0	-15.9
728.836500	28.42	---	46.00	17.58	100.0	H	66.0	-7.9

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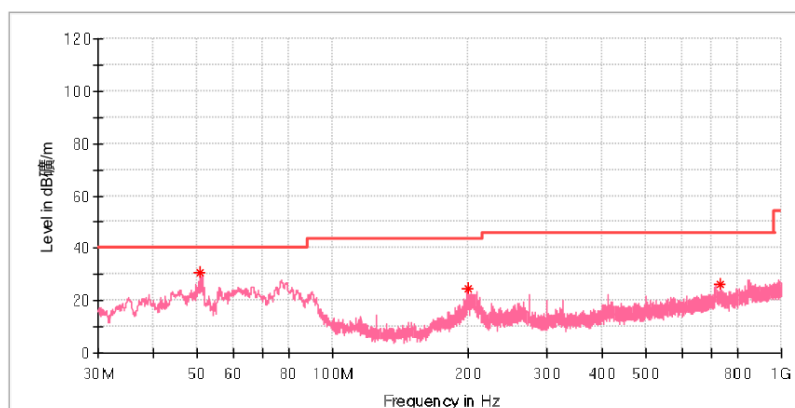
Test

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Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
TestMode:	Wi-Fi_5GBand 4_802.11a_TX_High
TestVoltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:56%
TestStandard:	FCC 15.407
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)
50.709500	30.58	---	40.00	9.42	100.0	V	113.0	-18.6
199.750000	24.48	---	43.50	19.02	100.0	V	246.0	-19.3
728.739500	26.17	---	46.00	19.83	100.0	V	23.0	-7.9

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1GHz - 18GHz
Wi-Fi 802.11 a mode

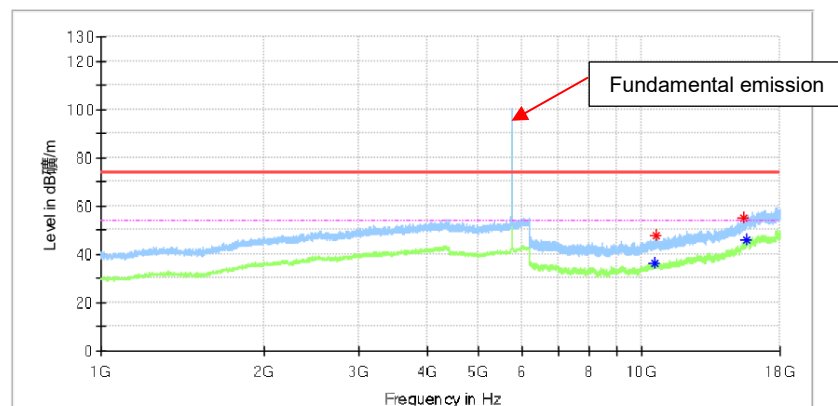
Test

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Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
Test Mode:	Wi-Fi_5G Band 4_802.11a_TX_Low
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.407
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)
10583.700000	---	36.54	54.00	17.46	100.0	H	4.0	12.0
10644.666667	47.60	---	74.00	26.40	100.0	H	174.0	12.0
15373.025000	54.76	---	74.00	19.24	100.0	H	174.0	18.0
15591.325000	---	45.68	54.00	8.32	100.0	H	193.0	18.6

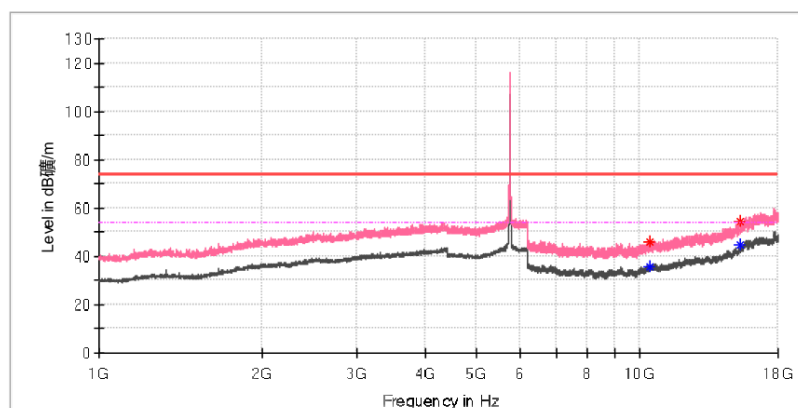
Test

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Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
TestMode:	Wi-Fi_5GBand 4_802.11a_TX_Low
TestVoltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:45%
TestStandard:	FCC 15.407
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)
10411.125000	---	35.85	54.00	18.16	100.0	V	66.0	11.9
10418.991667	45.68	---	74.00	28.32	100.0	V	265.0	11.9
15325.825000	54.26	---	74.00	19.74	100.0	V	355.0	18.0
15328.775000	---	44.79	54.00	9.21	100.0	V	355.0	18.0

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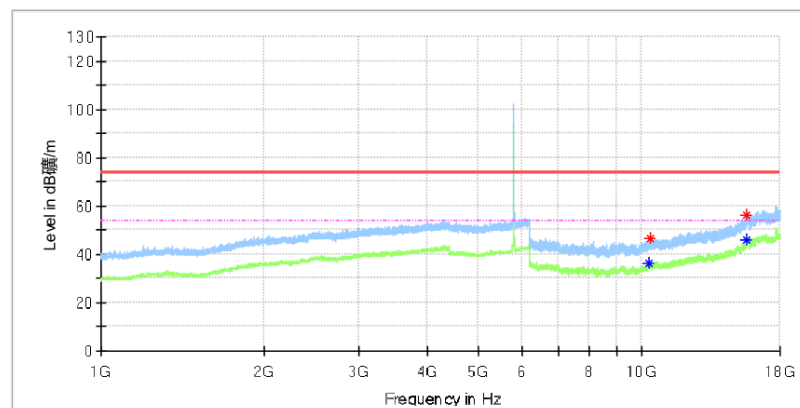
Test

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Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
TestMode:	Wi-Fi_5GBand 4_802.11a_TX_Mid
TestVoltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:45%
TestStandard:	FCC 15.407
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)
10306.400000	---	36.03	54.00	17.97	100.0	H	81.0	11.6
10382.116667	46.77	---	74.00	27.23	100.0	H	7.0	11.9
15636.066667	---	45.67	54.00	8.33	100.0	H	22.0	18.9
15650.325000	55.95	---	74.00	18.05	100.0	H	0.0	18.9

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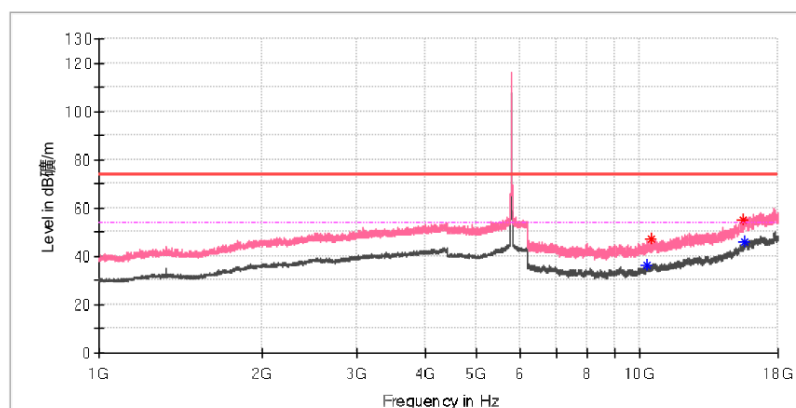
Test

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Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
TestMode:	Wi-Fi_5G Band 4_802.11a_TX_Mid
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.407
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)
10331.475000	---	36.32	54.00	17.68	100.0	V	86.0	11.7
10486.350000	47.22	---	74.00	26.78	100.0	V	357.0	12.0
15554.941667	55.26	---	74.00	18.74	100.0	V	194.0	18.4
15623.775000	---	45.66	54.00	8.34	100.0	V	290.0	18.8

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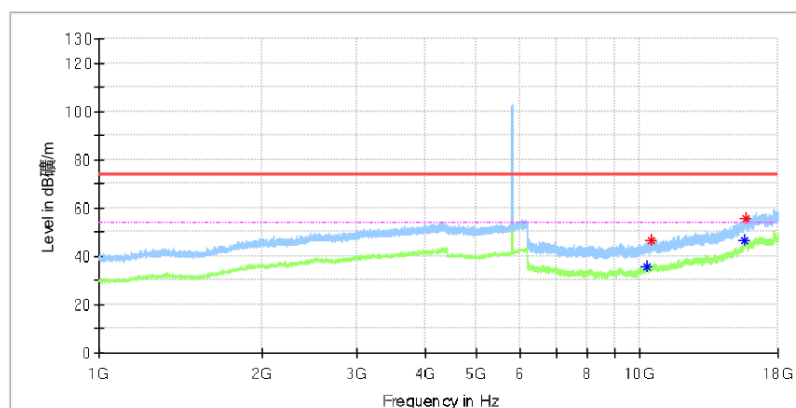
Test

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Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
TestMode:	Wi-Fi_5G Band 4_802.11a_TX_High
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.407
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)
10308.366667	---	35.88	54.00	18.12	100.0	H	190.0	11.6
10466.683333	46.53	---	74.00	27.47	100.0	H	53.0	12.0
15644.916667	---	46.56	54.00	7.44	100.0	H	111.0	18.9
15723.091667	55.86	---	74.00	18.14	100.0	H	170.0	19.1

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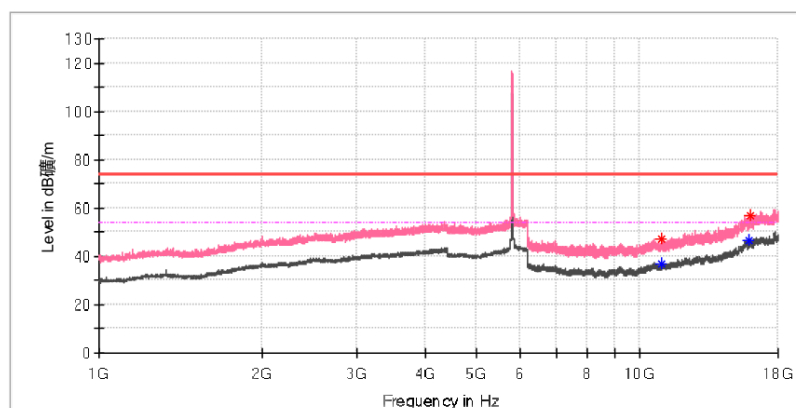
Test

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Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
TestMode:	Wi-Fi_5GBand 4_802.11a_TX_High
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.407
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)
10959.825000	47.30	---	74.00	26.70	100.0	V	353.0	12.2
10961.300000	---	36.67	54.00	17.33	100.0	V	299.0	12.2
15933.033333	---	46.50	54.00	7.50	100.0	V	87.0	19.6
15959.583333	56.82	---	74.00	17.18	100.0	V	0.0	19.6

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Wi-Fi 802.11 n(HT20) mode

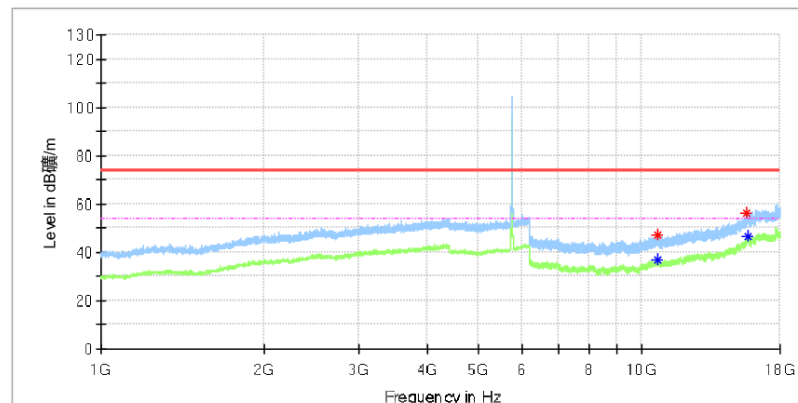
Test

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Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
Test Mode:	Wi-Fi_5G Band 4_802.11n20_TX_Low
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.407
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)
10660.891667	47.42	---	74.00	26.58	100.0	H	17.0	11.9
10665.808333	---	36.67	54.00	17.33	100.0	H	151.0	11.9
15625.250000	56.02	---	74.00	17.98	100.0	H	131.0	18.8
15674.908333	---	46.31	54.00	7.69	100.0	H	17.0	19.0

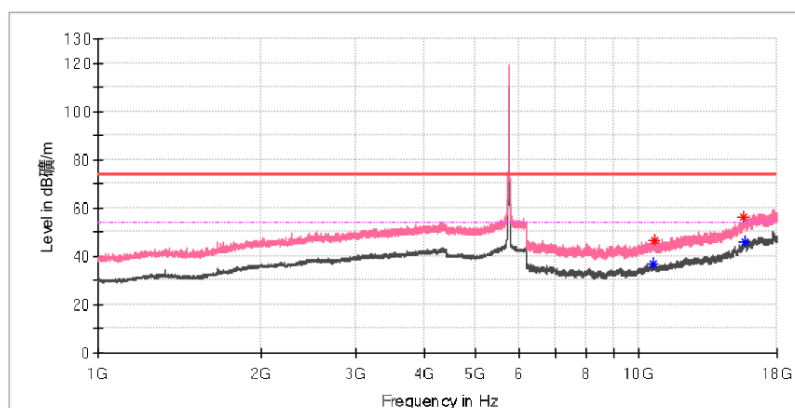
Test

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Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
TestMode:	Wi-Fi_5G Band 4_802.11n20_TX_Low
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.407
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)
10657.450000	---	37.09	54.00	16.91	100.0	V	72.0	12.0
10670.725000	46.74	---	74.00	27.26	100.0	V	233.0	11.9
15636.558333	56.46	---	74.00	17.54	100.0	V	174.0	18.9
15670.483333	---	45.98	54.00	8.02	100.0	V	194.0	19.0

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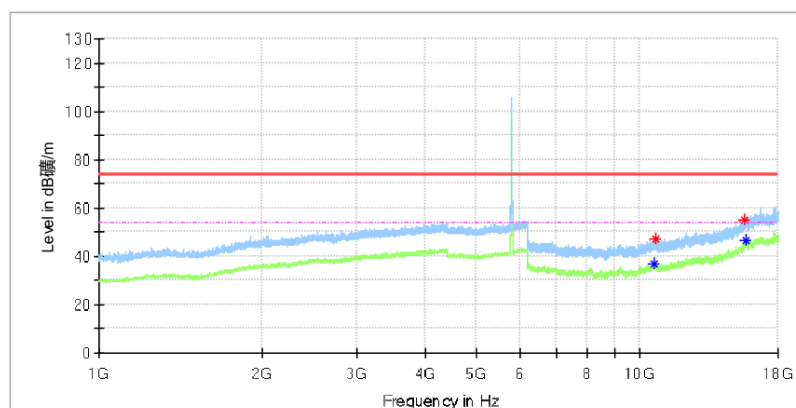
Test

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Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
TestMode:	Wi-Fi_5GBand 4_802.11n20_TX_Mid
TestVoltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:45%
TestStandard:	FCC 15.407
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)
10647.125000	---	36.96	54.00	17.04	100.0	H	193.0	12.0
10662.366667	47.01	---	74.00	26.99	100.0	H	274.0	11.9
15603.125000	55.28	---	74.00	18.72	100.0	H	0.0	18.7
15731.450000	---	46.42	54.00	7.58	100.0	H	213.0	19.1

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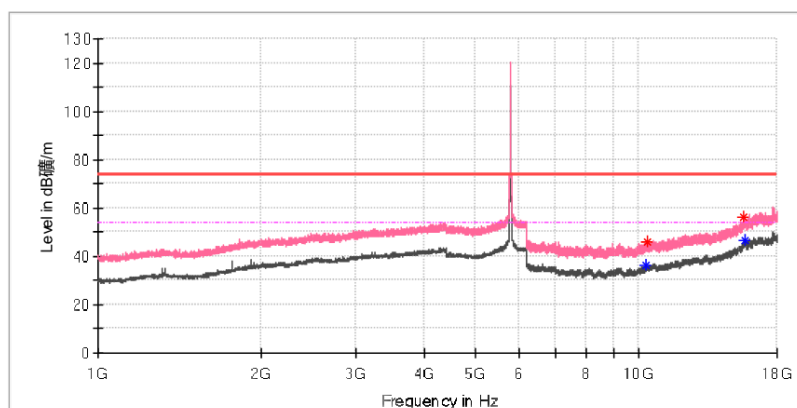
Test

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Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
TestMode:	Wi-Fi_5GBand 4_802.11n20_TX_Mid
TestVoltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:45%
TestStandard:	FCC 15.407
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)
10330.491667	---	36.44	54.00	17.56	100.0	V	353.0	11.7
10344.258333	45.95	---	74.00	28.05	100.0	V	282.0	11.7
15618.858333	56.00	---	74.00	18.00	100.0	V	67.0	18.8
15742.266667	---	46.58	54.00	7.42	100.0	V	282.0	19.1

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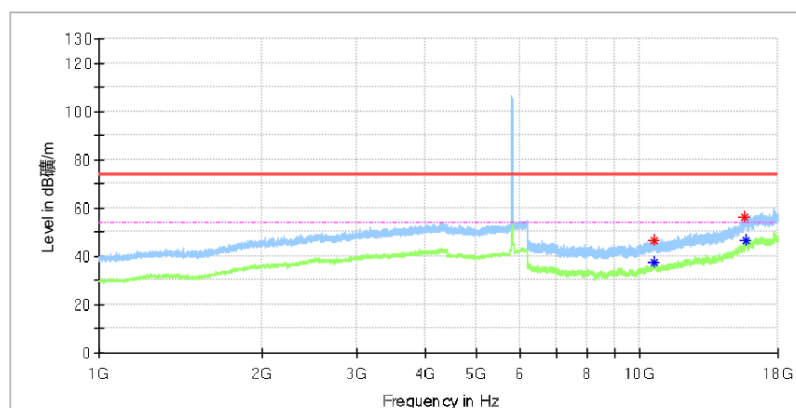
Test

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Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
TestMode:	Wi-Fi_5GBand 4_802.11n20_TX_High
TestVoltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:45%
TestStandard:	FCC 15.407
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)
10625.491667	---	37.59	54.00	16.41	100.0	H	59.0	12.0
10640.241667	46.72	---	74.00	27.28	100.0	H	20.0	12.0
15633.608333	56.06	---	74.00	17.94	100.0	H	153.0	18.9
15660.650000	---	46.43	54.00	7.57	100.0	H	97.0	18.9

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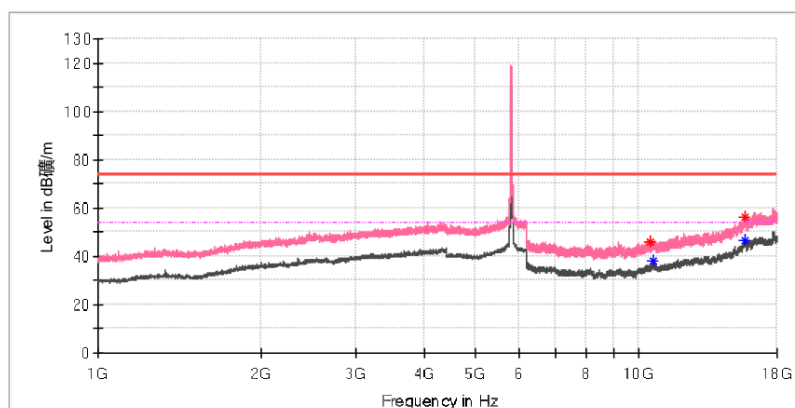
Test

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Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
TestMode:	Wi-Fi_5G Band 4_802.11n20_TX_High
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.407
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)
10514.866667	45.96	---	74.00	28.04	100.0	V	167.0	12.0
10632.375000	---	37.83	54.00	16.17	100.0	V	226.0	12.0
15676.875000	56.12	---	74.00	17.88	100.0	V	323.0	19.0
15734.400000	---	46.42	54.00	7.58	100.0	V	284.0	19.1

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Wi-Fi 802.11 n(HT40) mode

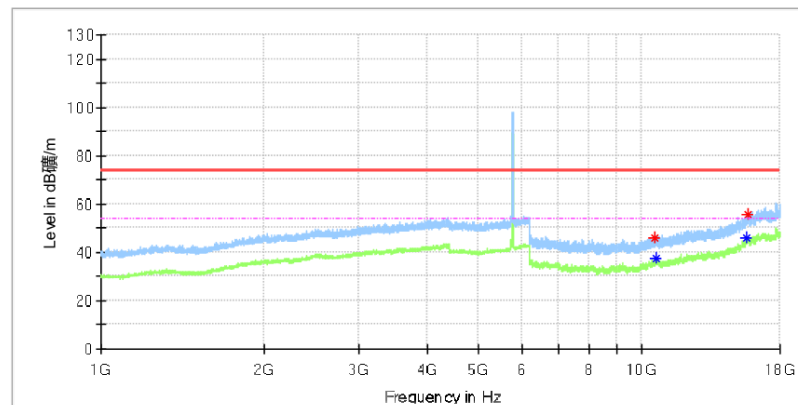
Test

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Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
Test Mode:	Wi-Fi_5G Band 4_802.11n40_TX_Low
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.407
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)
10545.350000	46.09	---	74.00	27.91	100.0	H	7.0	12.0
10646.633333	---	37.32	54.00	16.68	100.0	H	40.0	12.0
15641.966667	---	46.01	54.00	7.99	100.0	H	254.0	18.9
15663.108333	55.83	---	74.00	18.17	100.0	H	137.0	19.0

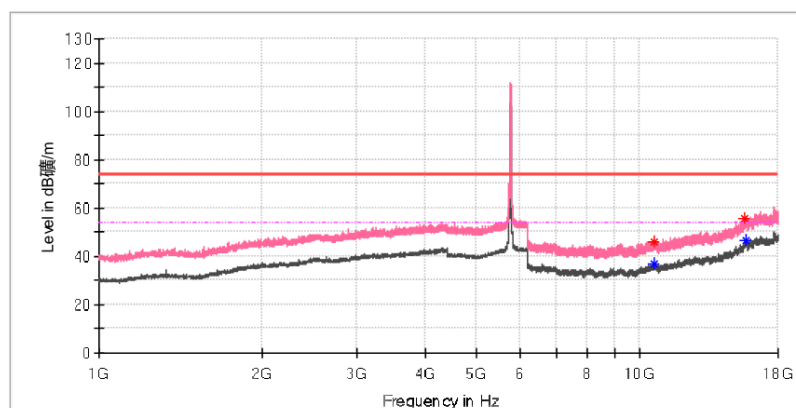
Test

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Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
TestMode:	Wi-Fi_5G Band 4_802.11n40_TX_Low
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.407
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)
10649.091667	---	37.13	54.00	16.87	100.0	V	186.0	12.0
10655.483333	46.22	---	74.00	27.78	100.0	V	346.0	12.0
15621.808333	55.63	---	74.00	18.37	100.0	V	290.0	18.8
15697.525000	---	46.35	54.00	7.65	100.0	V	290.0	19.1

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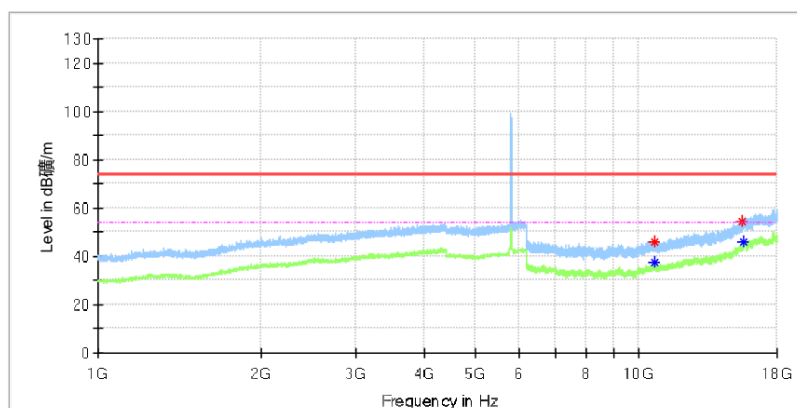
Test

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Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
TestMode:	Wi-Fi_5GBand 4_802.11n40_TX_High
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.407
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)
10659.908333	---	37.28	54.00	16.72	100.0	H	164.0	12.0
10661.875000	46.00	---	74.00	28.00	100.0	H	50.0	11.9
15492.008333	54.33	---	74.00	19.67	100.0	H	184.0	18.2
15610.008333	---	45.95	54.00	8.05	100.0	H	50.0	18.7

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2:55:01 PM

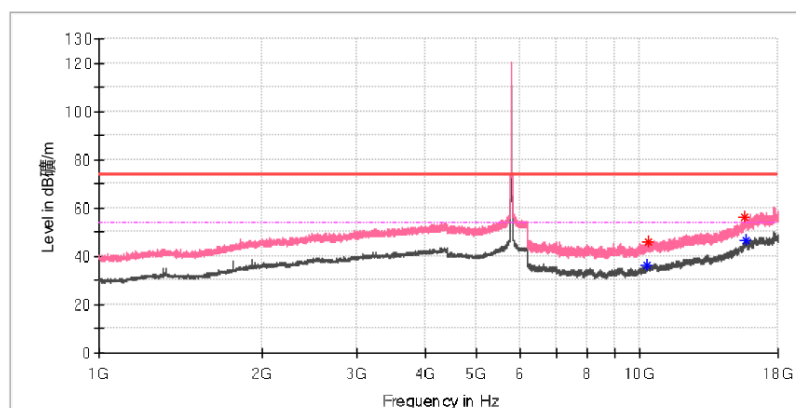
Test

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Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
TestMode:	Wi-Fi_5G Band 4_802.11n40_TX_High
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.407
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)
10331.391665	---	36.37	54.00	17.63	100.0	V	353.0	11.7
10340.238533	45.91	---	74.00	28.09	100.0	V	282.0	11.7
15620.558203	55.05	---	74.00	18.95	100.0	V	67.0	18.8
15746.016662	---	46.62	54.00	7.38	100.0	V	282.0	19.1

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Wi-Fi 802.11 ac(HT80) mode

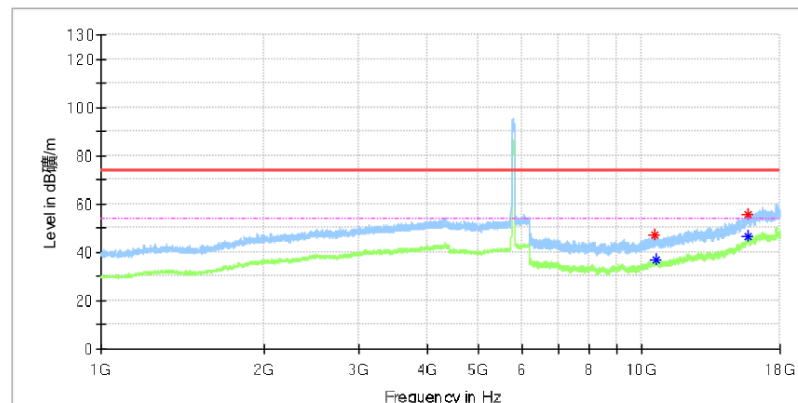
Test

1 / 2

Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
Test Mode:	Wi-Fi_5G Band 4_802.11ac80_TX
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.407
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)
10555.675000	46.88	---	74.00	27.12	100.0	H	167.0	12.0
10596.483333	---	36.69	54.00	17.31	100.0	H	89.0	12.1
15683.758333	55.81	---	74.00	18.19	100.0	H	15.0	19.0
15729.483333	---	46.41	54.00	7.59	100.0	H	52.0	19.1

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2:26:25 PM

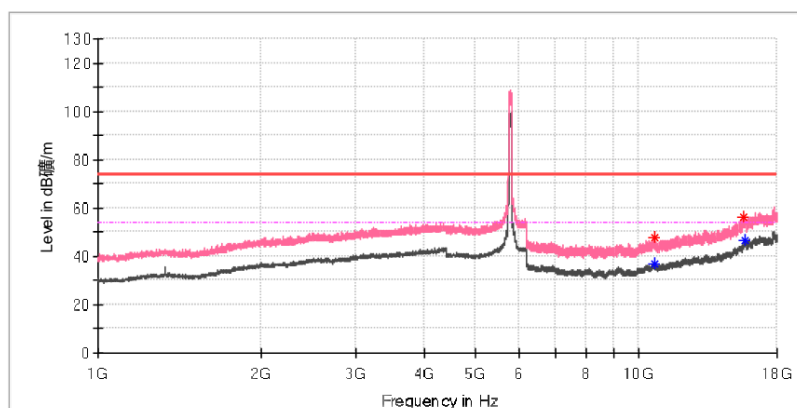
Test

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Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
TestMode:	Wi-Fi_5G Band 4_802.11ac80_TX
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.407
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)
10665.316667	---	37.13	54.00	16.87	100.0	V	293.0	11.9
10666.791667	47.61	---	74.00	26.39	100.0	V	148.0	11.9
15618.366667	56.29	---	74.00	17.71	100.0	V	313.0	18.8
15714.241667	---	46.36	54.00	7.64	100.0	V	313.0	19.1

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Appendix C.5: Test Results of Radiated Emissions in Restricted Bands Wi-Fi 802.11 a mode

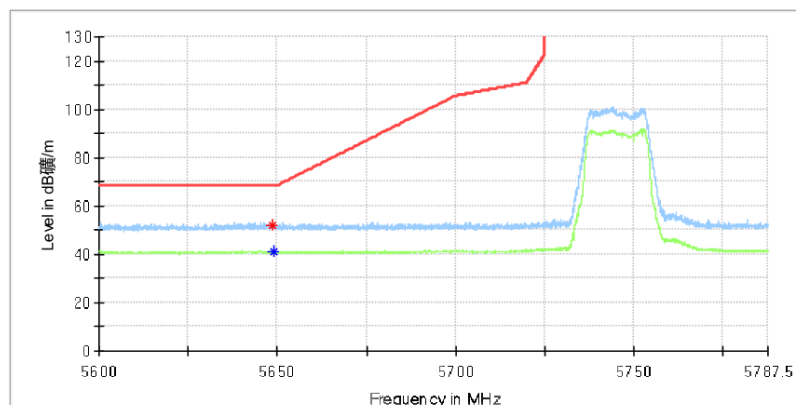
Test

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Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
Test Mode:	Wi-Fi_5G Band 4_802.11a_TX_Low
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.407
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)
5648.802083	52.25	---	68.20	15.95	100.0	H	65.0	14.3
5649.218750	---	41.10	---	---	100.0	H	16.0	14.3

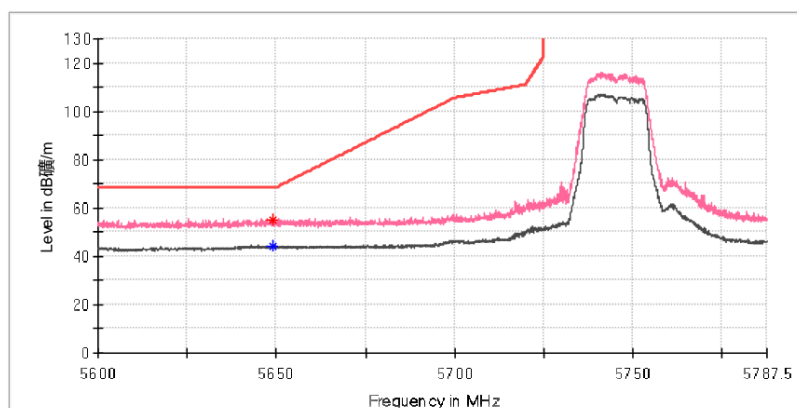
Test

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Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
TestMode:	Wi-Fi_5G Band 4_802.11a_TX_Low
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.407
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)
5648.854167	---	44.11	---	---	100.0	V	355.0	14.3
5649.166667	55.24	---	68.20	12.96	100.0	V	333.0	14.3

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5:40:03 PM

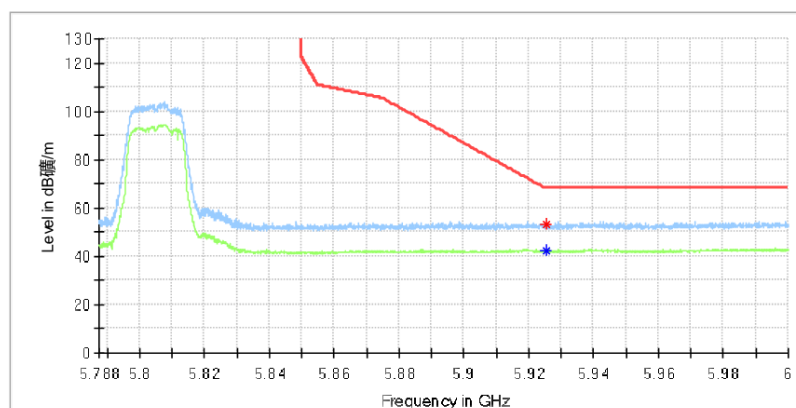
Test

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Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
TestMode:	Wi-Fi_5GBand 4_802.11a_TX_High
TestVoltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:45%
TestStandard:	FCC 15.407
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)
5925.270833	53.37	---	68.20	14.83	100.0	H	163.0	15.4
5925.447917	---	42.52	---	---	100.0	H	220.0	15.4

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5:40:03 PM

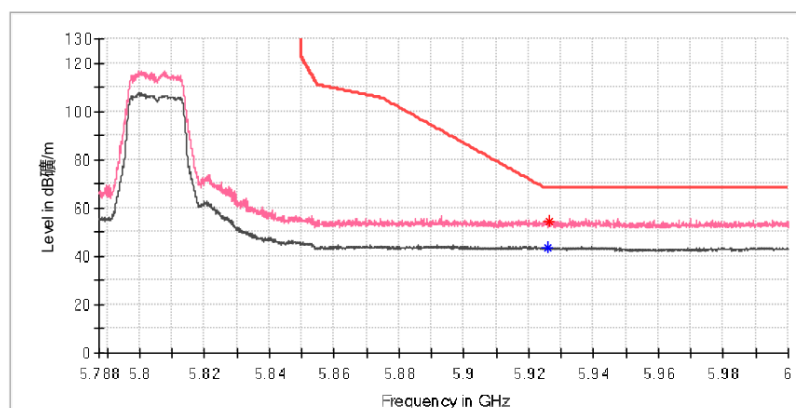
Test

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Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
TestMode:	Wi-Fi_5G Band 4_802.11a_TX_High
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.407
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)
5925.743056	---	43.49	---	---	100.0	V	332.0	15.4
5926.097222	54.65	---	68.20	13.55	100.0	V	340.0	15.4

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Wi-Fi 802.11 n(HT20) mode

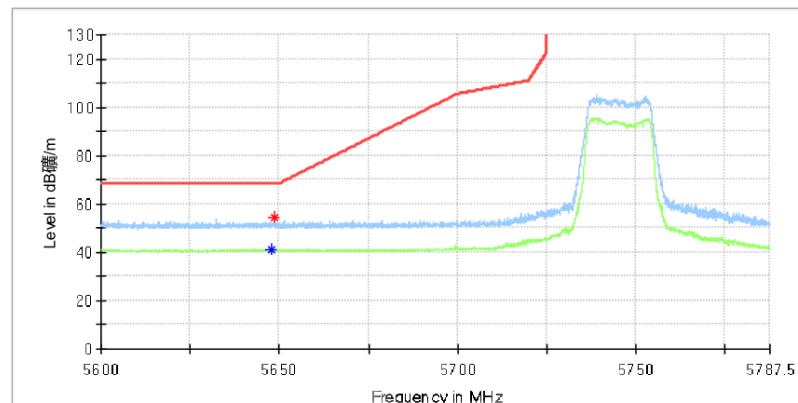
Test

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Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
Test Mode:	Wi-Fi_5G Band 4_802.11n20_TX_Low
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.407
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)
5647.604167	---	41.38	---	---	100.0	H	0.0	14.3
5648.489583	54.42	---	68.20	13.78	100.0	H	318.0	14.3

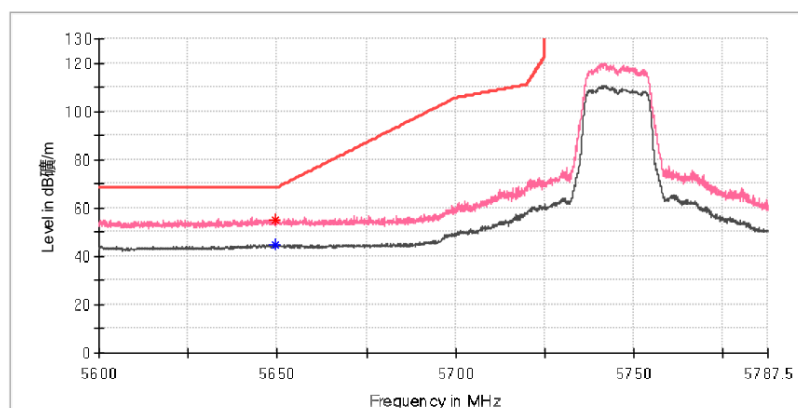
Test

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Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
TestMode:	Wi-Fi_5G Band 4_802.11n20_TX_Low
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.407
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)
5649.531250	---	44.64	---	---	100.0	V	340.0	14.3
5649.583333	55.02	---	68.20	13.18	100.0	V	0.0	14.3

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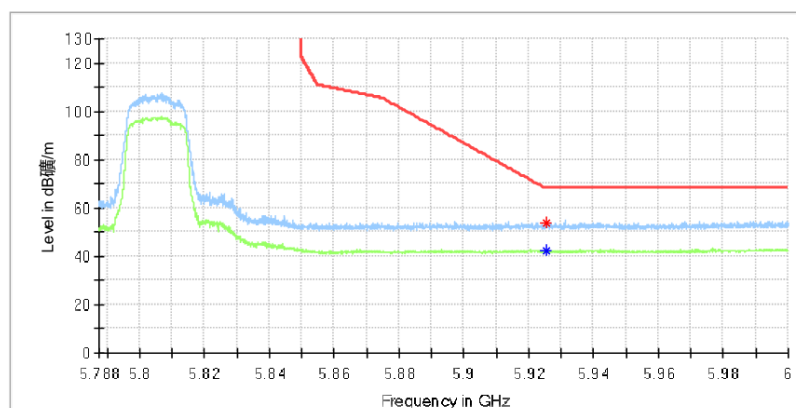
Test

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Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
TestMode:	Wi-Fi_5G Band 4_802.11n20_TX_High
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.407
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)
5925.329861	---	42.26	---	---	100.0	H	36.0	15.4
5925.506945	53.56	---	68.20	14.64	100.0	H	117.0	15.4

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4:11:22 PM

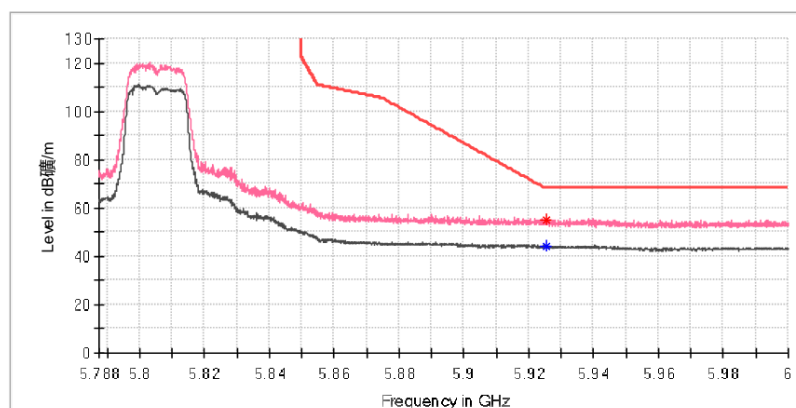
Test

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Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
TestMode:	Wi-Fi_5G Band 4_802.11n20_TX_High
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.407
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)
5925.211806	---	44.41	---	---	100.0	V	329.0	15.4
5925.270833	55.00	---	68.20	13.20	100.0	V	337.0	15.4

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Wi-Fi 802.11 n(HT40) mode

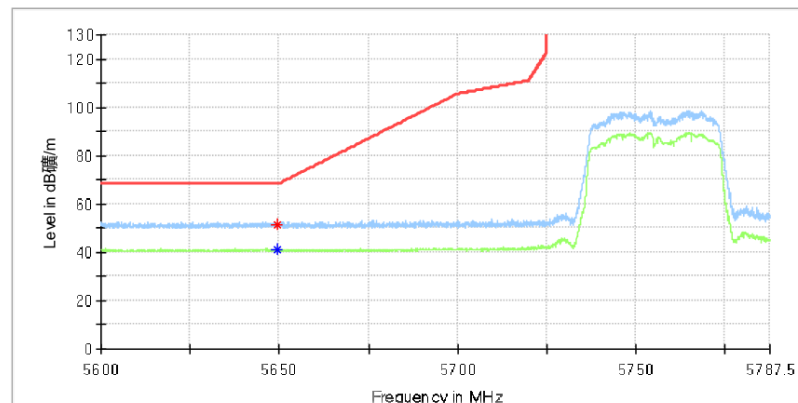
Test

1 / 4

Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
Test Mode:	Wi-Fi_5G Band 4_802.11n40_TX_Low
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.407
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)
5649.375000	51.50	---	68.20	16.70	100.0	H	177.0	14.3
5649.427083	---	41.05	---	---	100.0	H	146.0	14.3

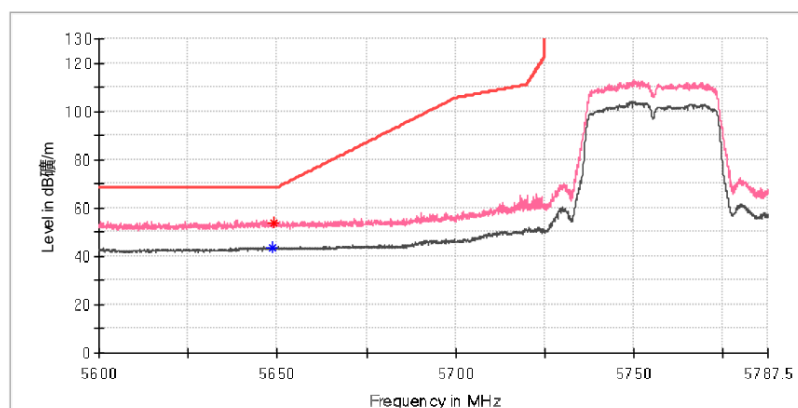
Test

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Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
TestMode:	Wi-Fi_5GBand 4_802.11n40_TX_Low
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:45%
TestStandard:	FCC 15.407
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)
5648.802083	---	43.54	---	---	100.0	V	352.0	14.3
5649.166667	53.98	---	68.20	14.22	100.0	V	352.0	14.3

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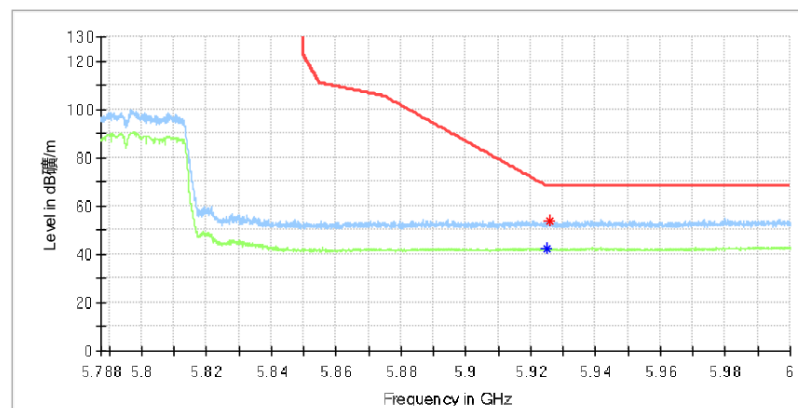
Test

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Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
TestMode:	Wi-Fi_5GBand 4_802.11n40_TX_High
TestVoltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:45%
TestStandard:	FCC 15.407
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)
5924.975695	---	42.31	---	---	100.0	H	145.0	15.4
5925.743056	53.72	---	68.20	14.48	100.0	H	66.0	15.4

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3:17:21 PM

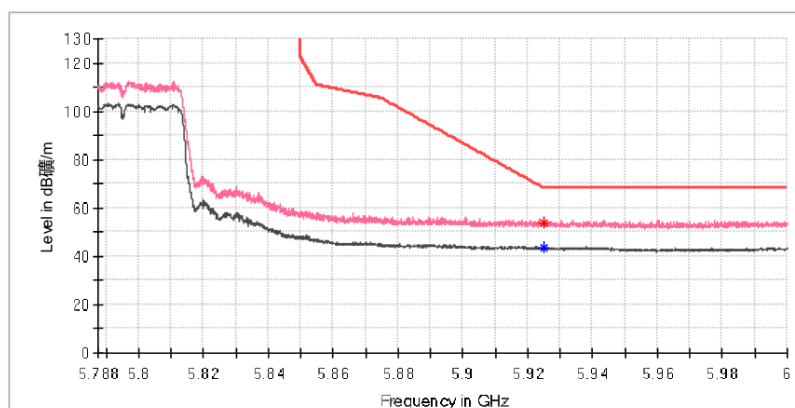
Test

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Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
TestMode:	Wi-Fi_5G Band 4_802.11n40_TX_High
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.407
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)
5925.152778	---	43.50	---	---	100.0	V	332.0	15.4
5925.152778	53.64	---	68.20	14.56	100.0	V	332.0	15.4

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Wi-Fi 802.11 ac(HT80) mode

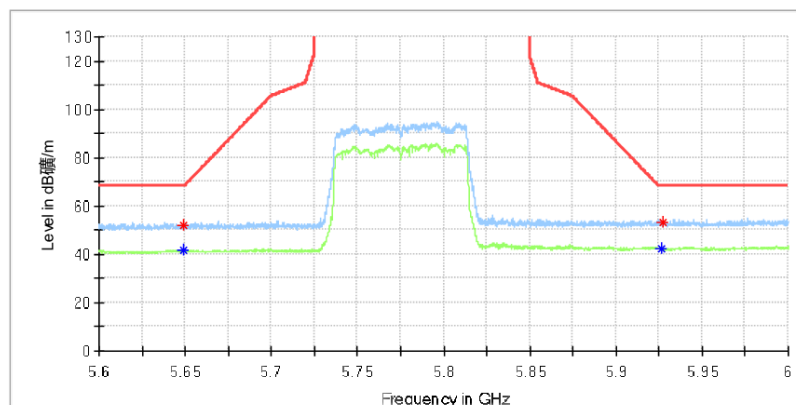
Test

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Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
Test Mode:	Wi-Fi_5G Band 4_802.11ac80_TX
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.407
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)
5648.888889	---	41.44	---	---	100.0	H	278.0	14.3
5649.000000	52.18	---	68.20	16.02	100.0	H	1.0	14.3
5926.222222	---	42.54	---	---	100.0	H	188.0	15.4
5927.222222	53.33	---	68.20	14.87	100.0	H	172.0	15.4

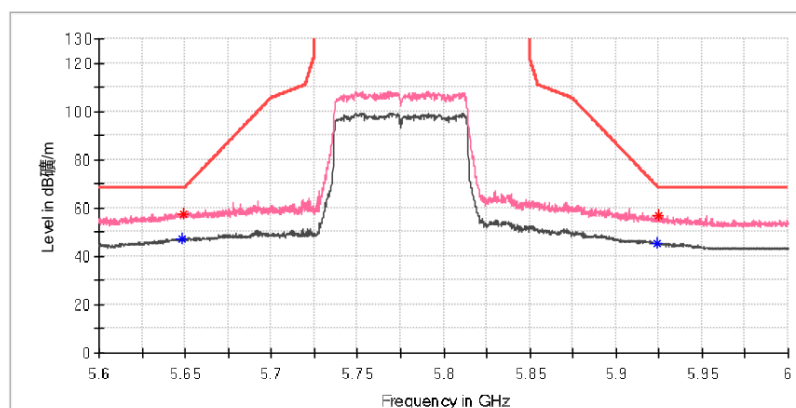
Test

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Test Report

EUT Information

EUT Name:	MeshBox Tesla
Model:	SMMB1007
TestMode:	Wi-Fi_5G Band 4_802.11ac80_TX
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.407
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)
5648.555556	---	47.29	---	---	100.0	V	359.0	14.3
5649.111111	57.49	---	68.20	10.71	100.0	V	359.0	14.3
5924.222222	---	45.43	---	---	100.0	V	336.0	15.4
5924.777778	57.04	---	68.37	11.32	100.0	V	359.0	15.4

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