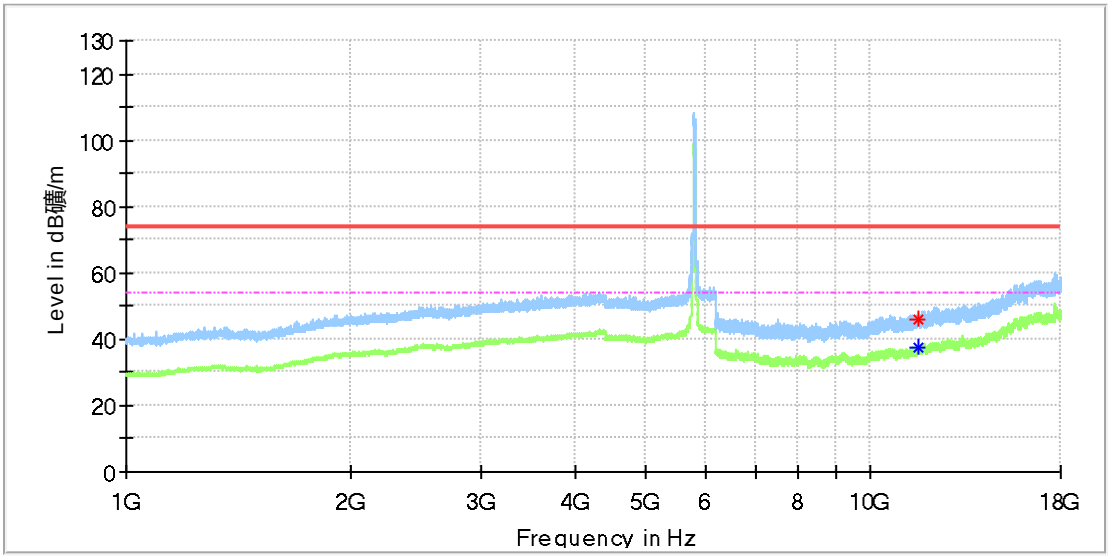
EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11n_Ch159
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

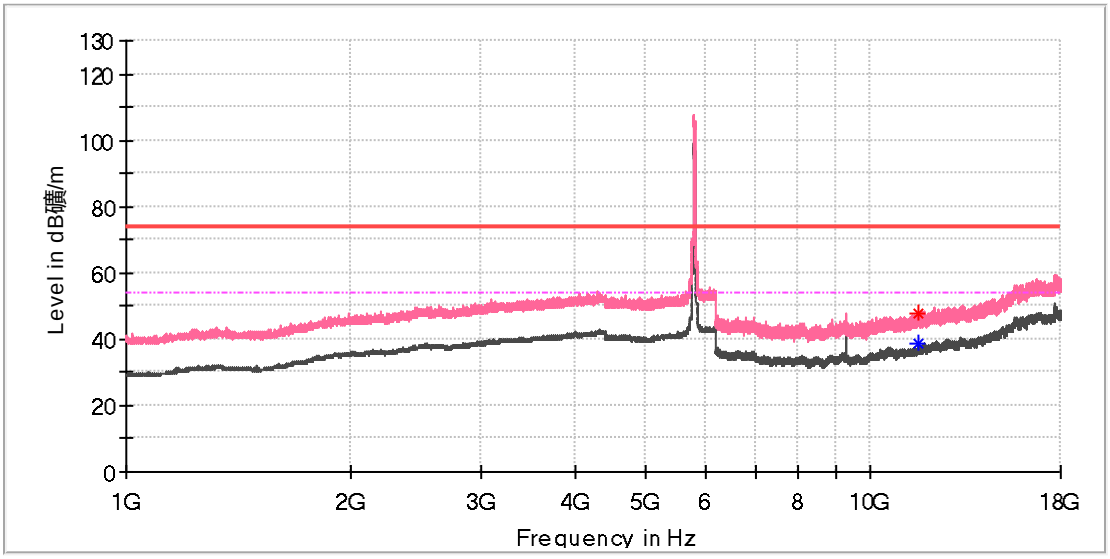
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
11585.716667	46.10	---	74.00	27.90	100.0	H	69.0	13.3
11589.650000	---	37.53	54.00	16.47	100.0	H	322.0	13.3

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11n_Ch159
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
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)
11590.141667	47.95	---	74.00	26.05	100.0	V	162.0	13.3
11594.566667	---	38.80	54.00	15.20	100.0	V	24.0	13.3

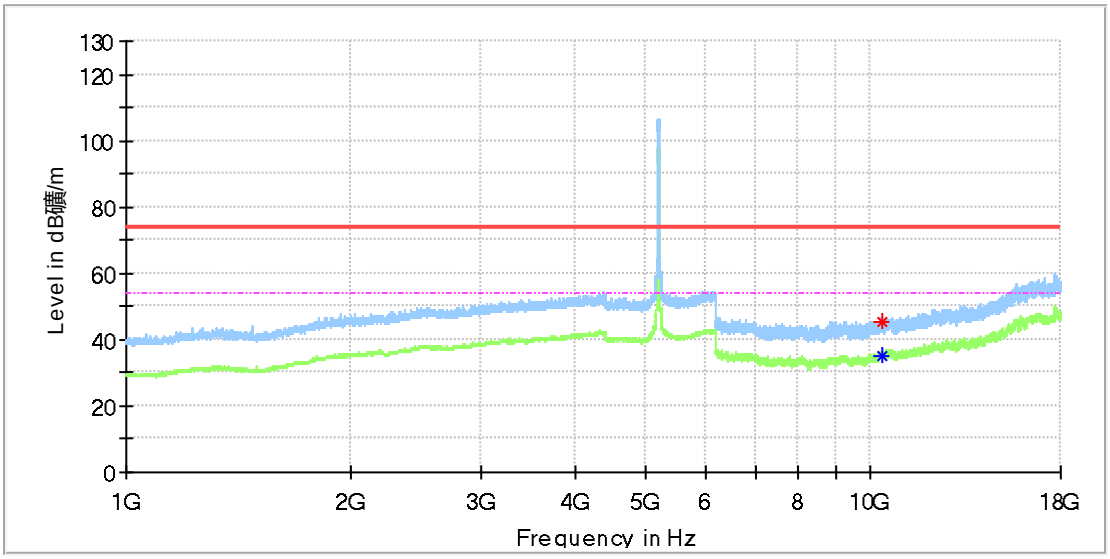
Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

802.11ac40:

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11ac_VHT40_Ch38
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

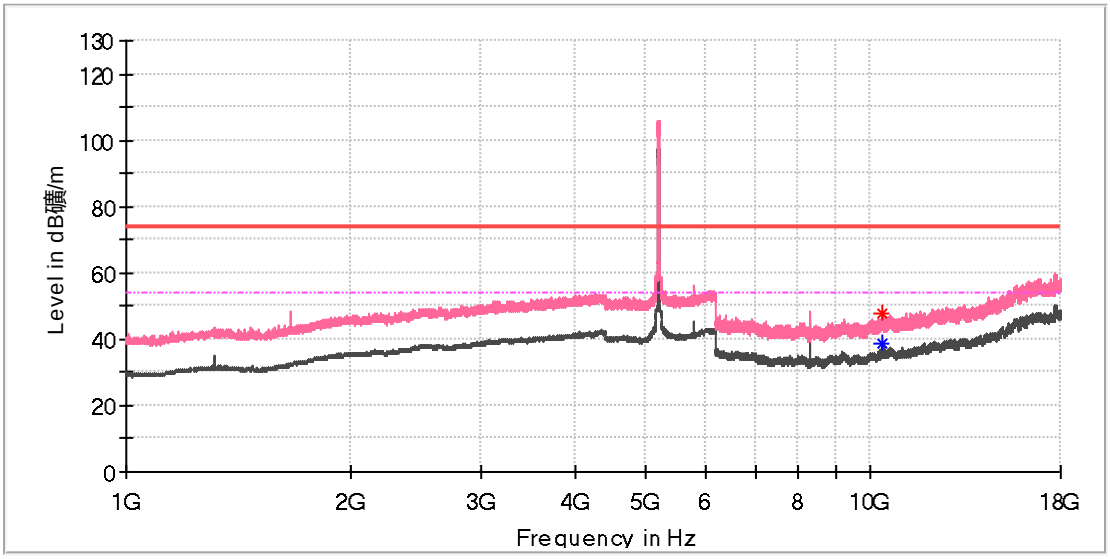
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
10381.625000	---	35.31	54.00	18.69	100.0	H	63.0	11.9
10391.458333	45.64	---	74.00	28.36	100.0	H	63.0	11.9

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11ac_VHT40_Ch38
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
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)
10370.808333	---	38.89	54.00	15.11	100.0	V	259.0	11.8
10371.300000	47.68	---	74.00	26.32	100.0	V	167.0	11.8

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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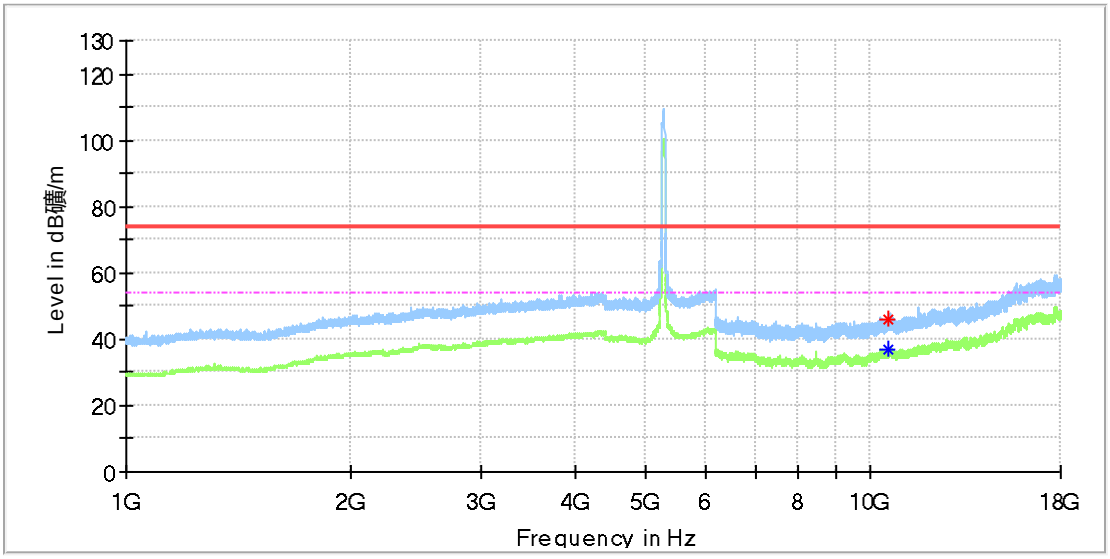
EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11ac_VHT40_Ch54
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
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)
10538.958333	---	36.65	54.00	17.35	100.0	H	82.0	12.0
10545.350000	46.01	---	74.00	27.99	100.0	H	115.0	12.0

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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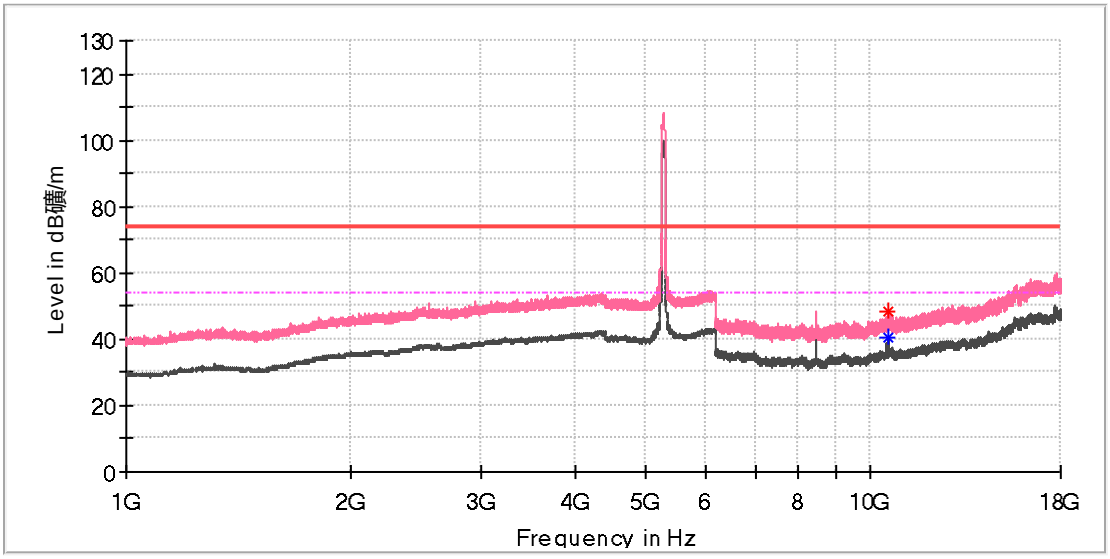
EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11ac_VHT40_Ch54
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
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)
10540.433333	---	40.34	54.00	13.66	100.0	V	263.0	12.0
10540.925000	48.35	---	74.00	25.65	100.0	V	263.0	12.0

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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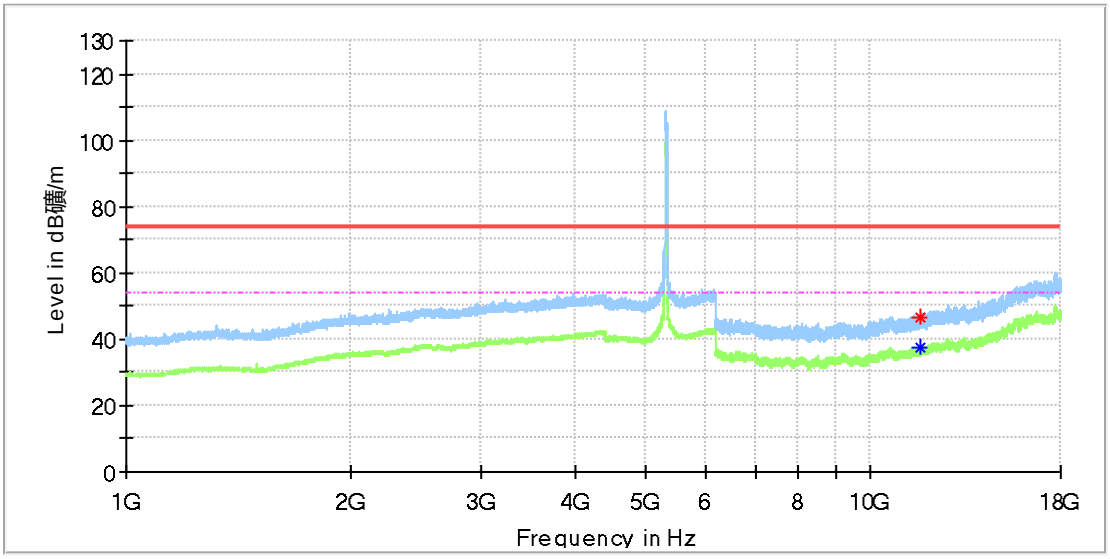
EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11ac_VHT40_Ch62
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

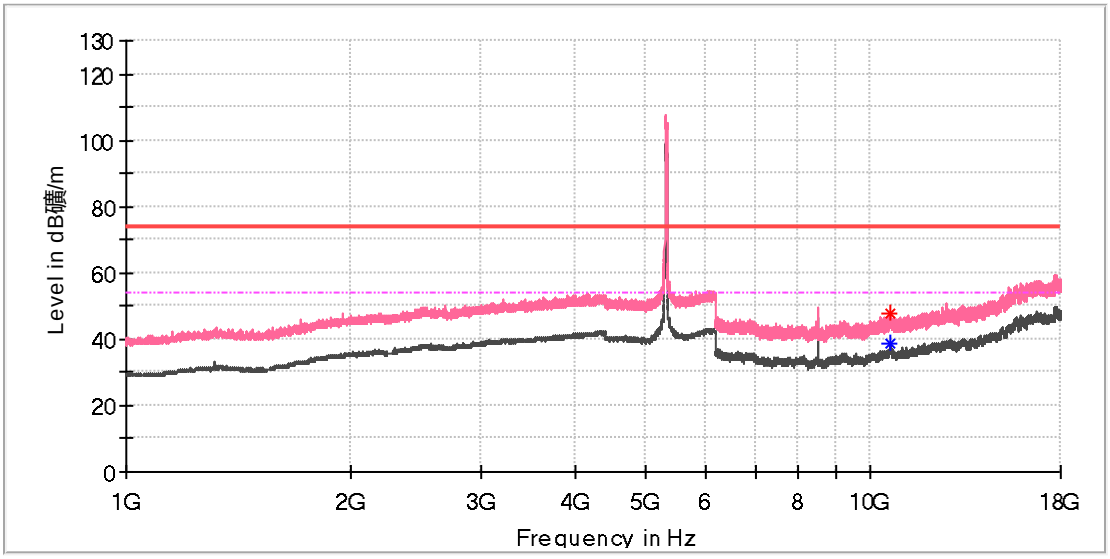
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
11632.425000	46.31	---	74.00	27.69	100.0	H	298.0	13.3
11635.866667	---	37.30	54.00	16.70	100.0	H	264.0	13.3

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11ac_VHT40_Ch62
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
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)
10619.100000	---	38.96	54.00	15.04	100.0	V	185.0	12.0
10621.066667	47.89	---	74.00	26.11	100.0	V	132.0	12.0

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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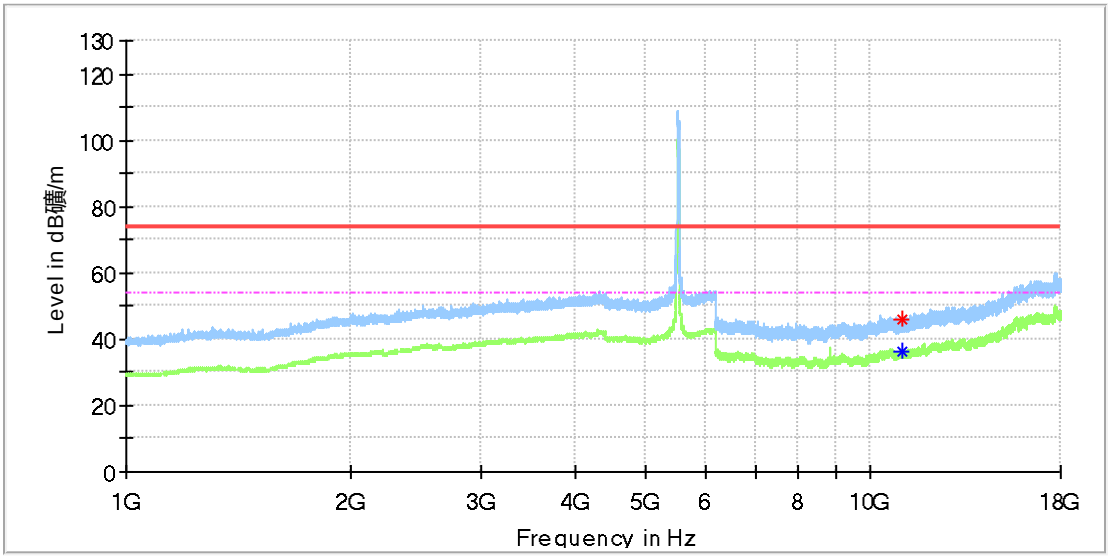
EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11ac_VHT40_Ch102
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
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)
11014.400000	46.08	---	74.00	27.92	100.0	H	250.0	12.2
11038.983333	---	36.39	54.00	17.61	100.0	H	20.0	12.2

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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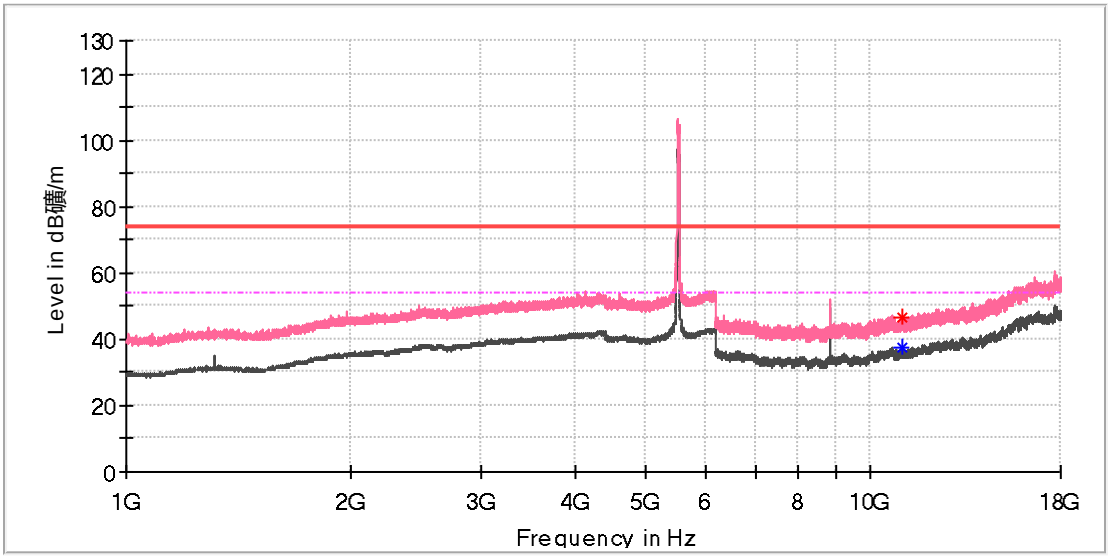
EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11ac_VHT40_Ch102
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

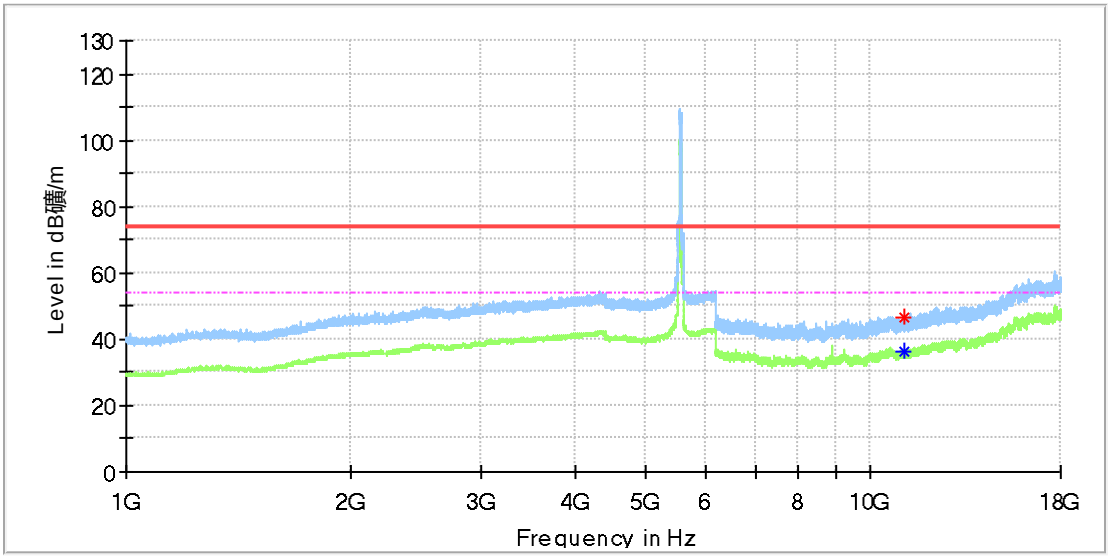
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
11019.808333	---	37.45	54.00	16.55	100.0	V	43.0	12.2
11026.691667	46.52	---	74.00	27.48	100.0	V	114.0	12.2

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11ac_Ch110
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
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)
11069.958333	46.61	---	74.00	27.39	100.0	H	67.0	12.3
11101.916667	---	36.23	54.00	17.77	100.0	H	67.0	12.4

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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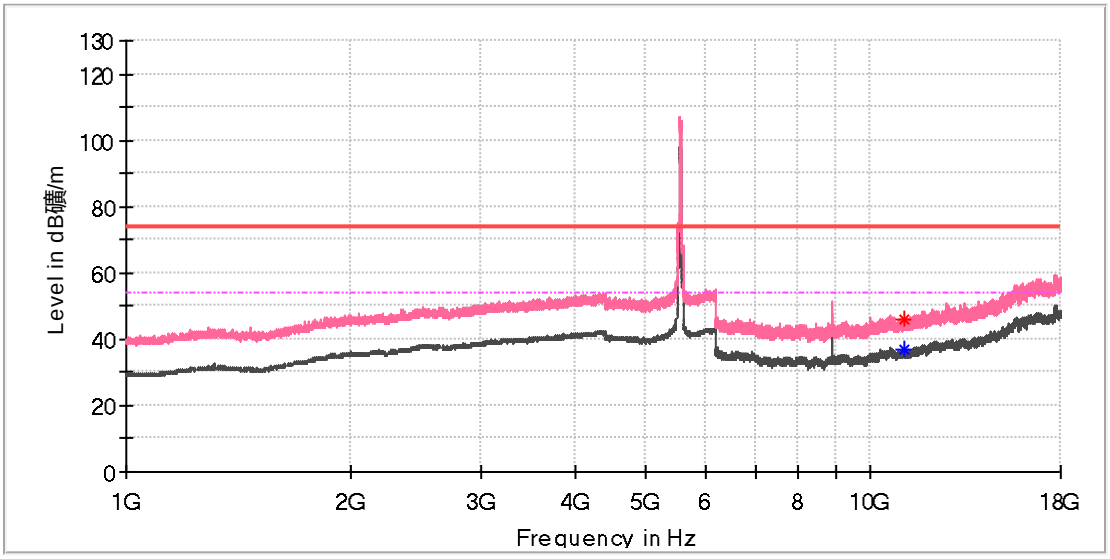
EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11ac_Ch110
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
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)
11086.183333	---	36.61	54.00	17.39	100.0	V	153.0	12.3
11092.575000	46.17	---	74.00	27.83	100.0	V	43.0	12.4

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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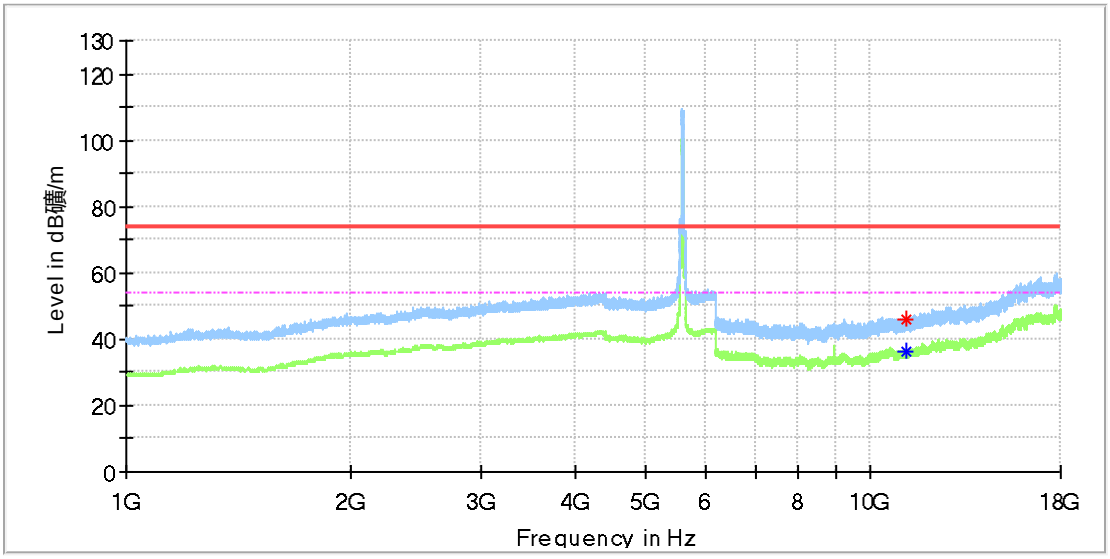
EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11ac_Ch118
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

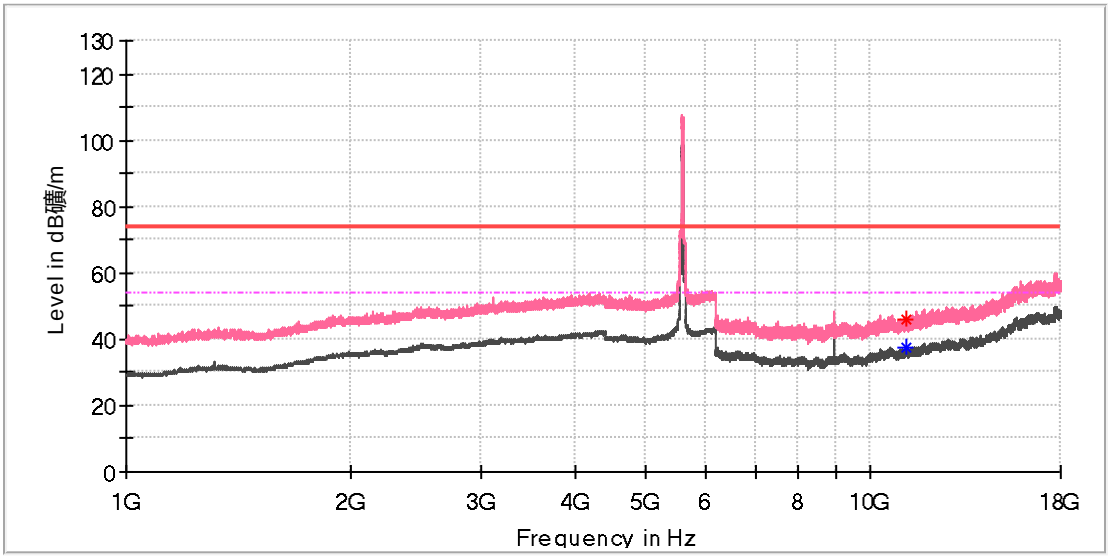
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
11171.241667	---	36.53	54.00	17.47	100.0	H	255.0	12.5
11176.650000	45.81	---	74.00	28.19	100.0	H	105.0	12.5

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11ac_Ch118
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

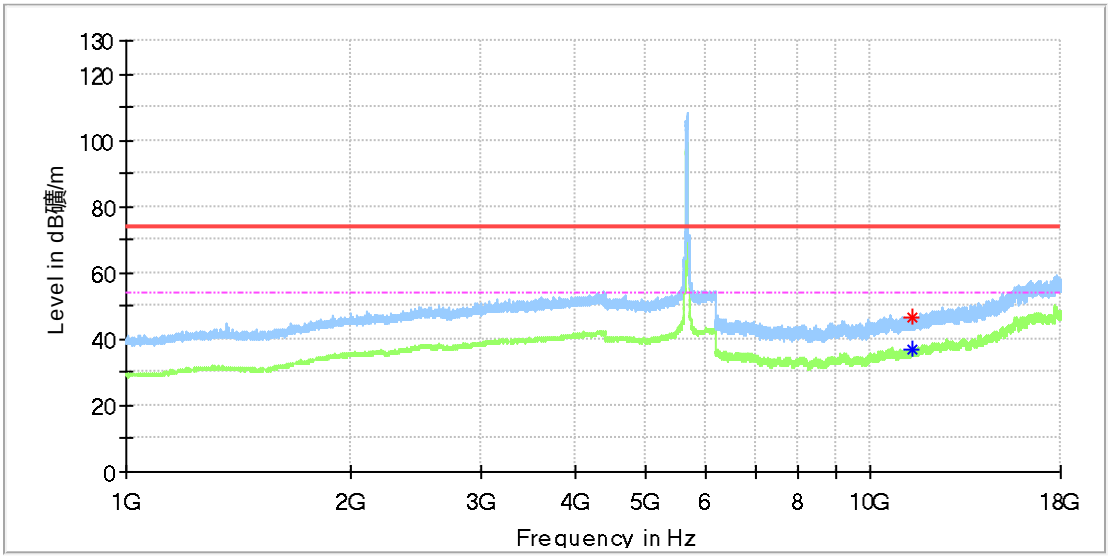
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
11182.550000	---	37.21	54.00	16.79	100.0	V	124.0	12.6
11193.366667	46.13	---	74.00	27.87	100.0	V	0.0	12.6

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11ac_VHT40_Ch134
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

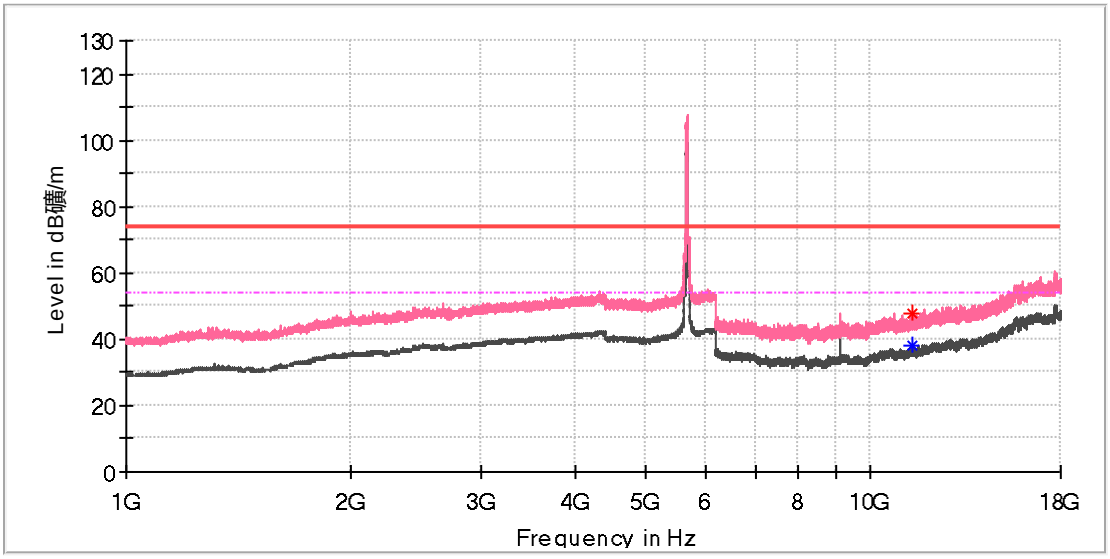
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
11344.800000	46.39	---	74.00	27.61	100.0	H	25.0	12.5
11348.733333	---	36.62	54.00	17.38	100.0	H	46.0	12.5

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11ac_VHT40_Ch134
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

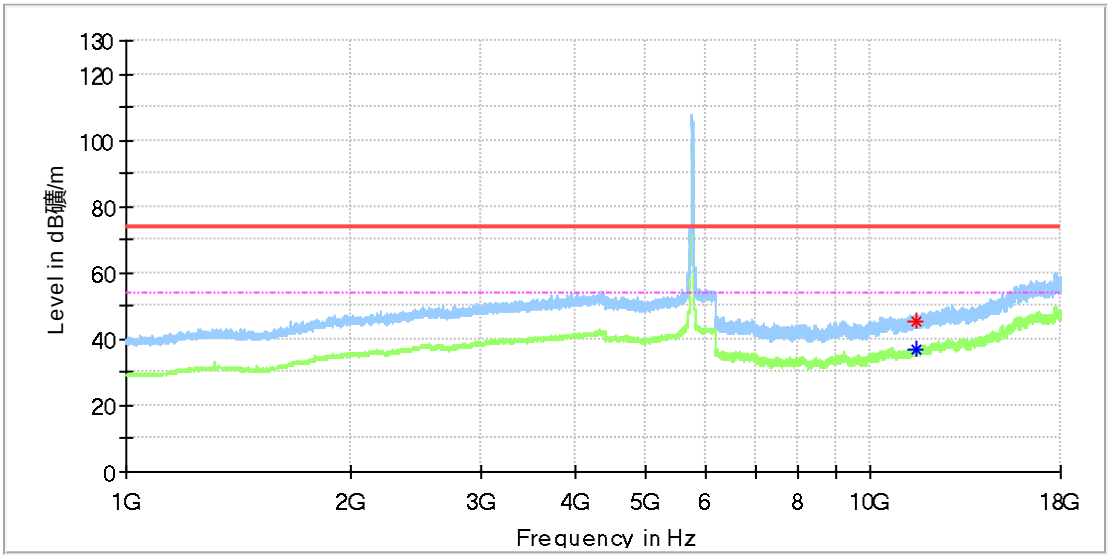
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
11344.800000	47.68	---	74.00	26.32	100.0	V	188.0	12.5
11347.258333	---	38.06	54.00	15.94	100.0	V	5.0	12.5

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11ac_VHT40_Ch151
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

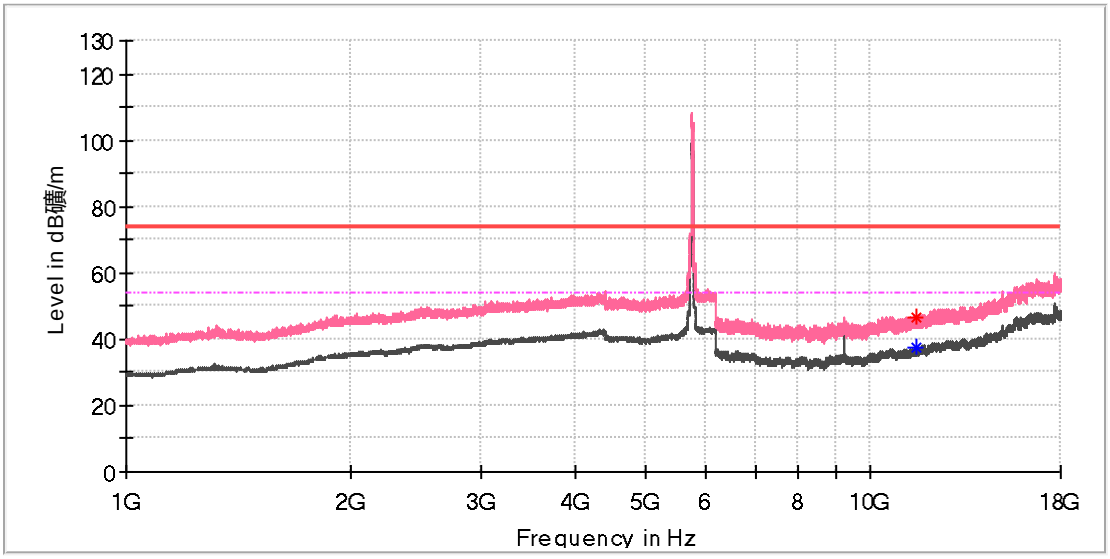
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
11505.575000	---	37.08	54.00	16.92	100.0	H	272.0	13.7
11509.508333	45.59	---	74.00	28.41	100.0	H	0.0	13.7

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11ac_VHT40_Ch151
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

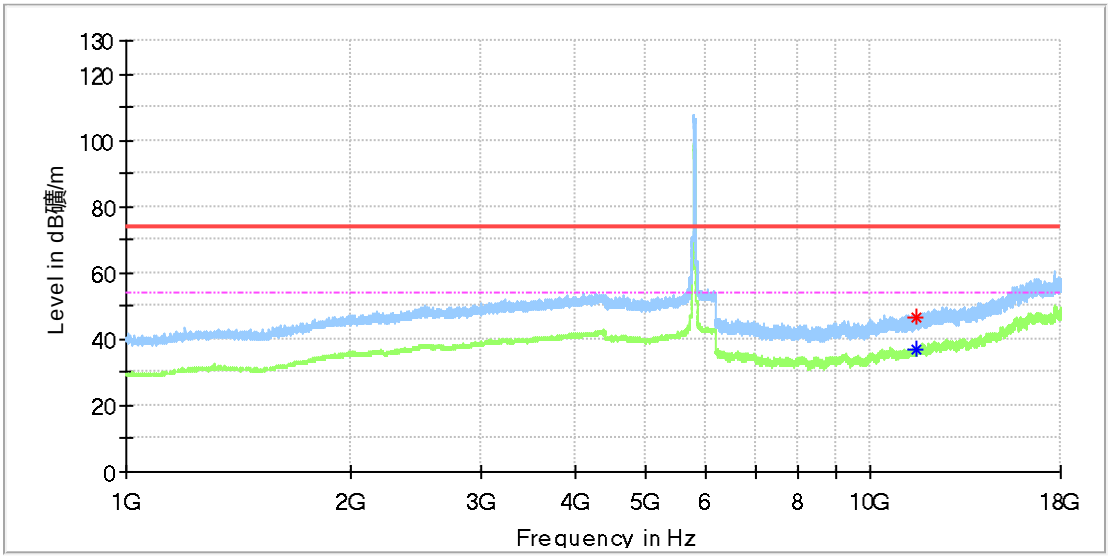
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
11526.225000	46.35	---	74.00	27.65	100.0	V	359.0	13.6
11528.683333	---	37.72	54.00	16.28	100.0	V	333.0	13.6

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11ac_VHT40_Ch159
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

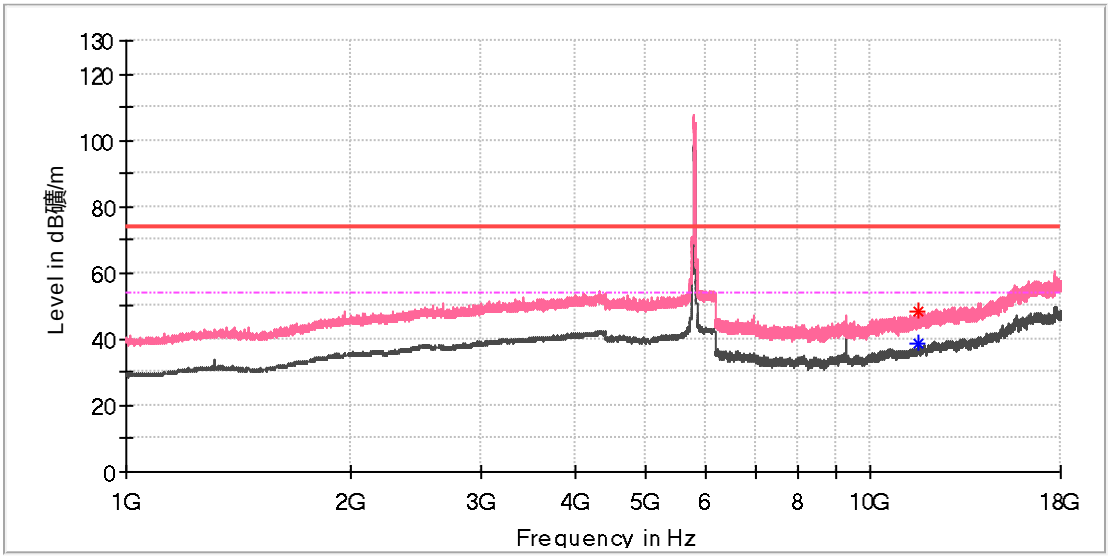
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
11518.358333	---	37.10	54.00	16.90	100.0	H	289.0	13.6
11525.241667	46.71	---	74.00	27.29	100.0	H	356.0	13.6

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11ac_VHT40_Ch159
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
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)
11590.633333	48.58	---	74.00	25.42	100.0	V	94.0	13.3
11592.108333	---	38.49	54.00	15.51	100.0	V	69.0	13.3

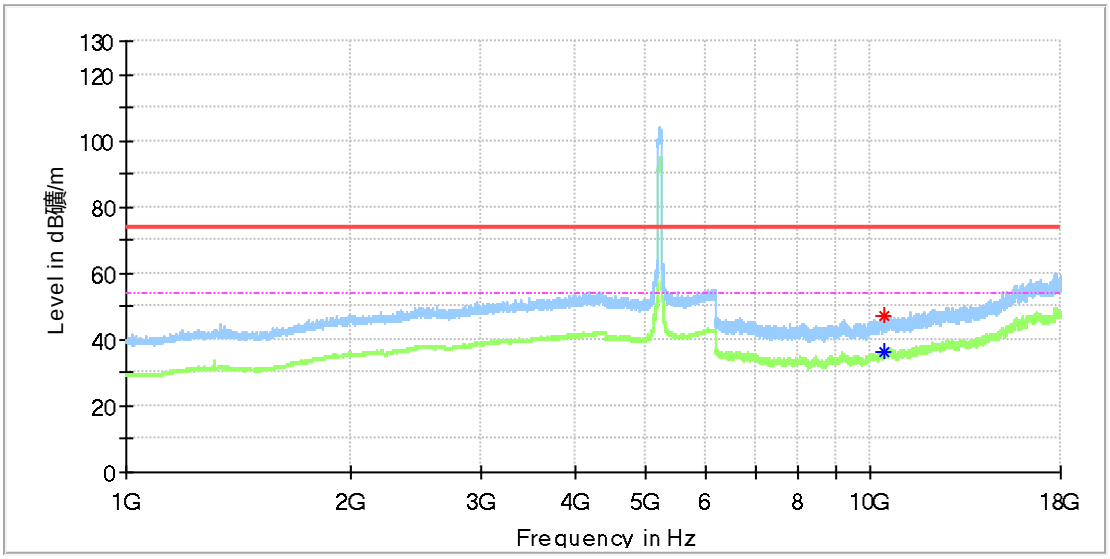
Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

802.11ac80:

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11ac_VHT80_Ch42
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

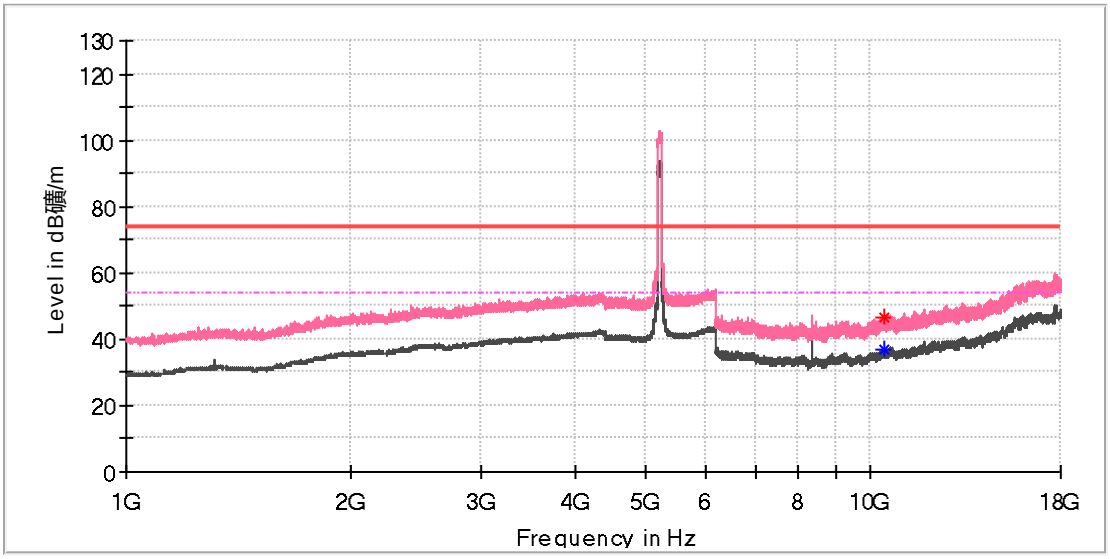
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
10414.566667	---	36.07	54.00	17.93	100.0	H	114.0	11.9
10444.066667	46.87	---	74.00	27.13	100.0	H	314.0	11.9

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11ac_VHT80_Ch42
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

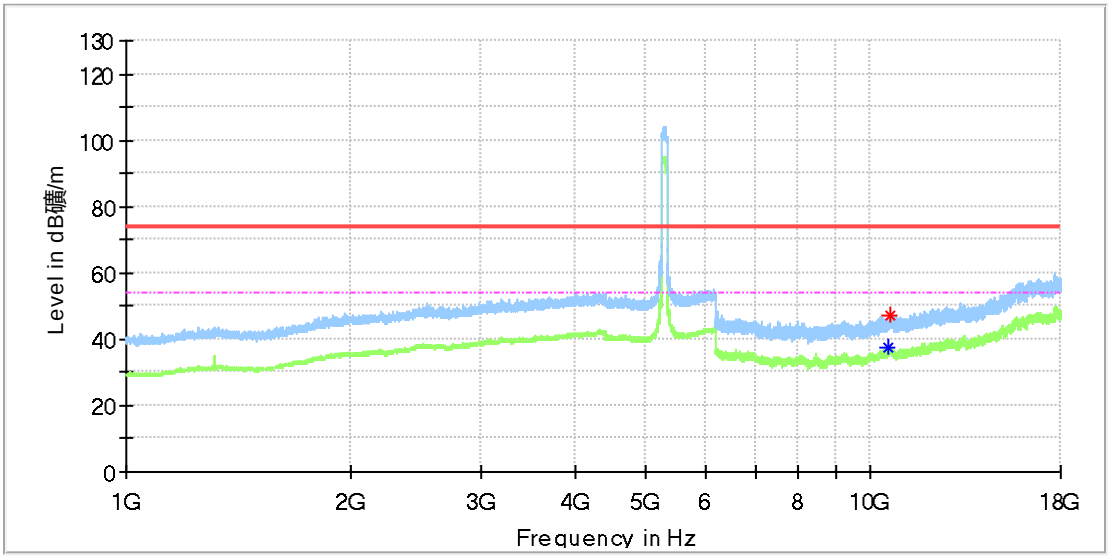
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
10411.616667	46.44	---	74.00	27.56	100.0	V	235.0	11.9
10437.675000	---	37.06	54.00	16.94	100.0	V	252.0	11.9

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11ac_VHT80_Ch58
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

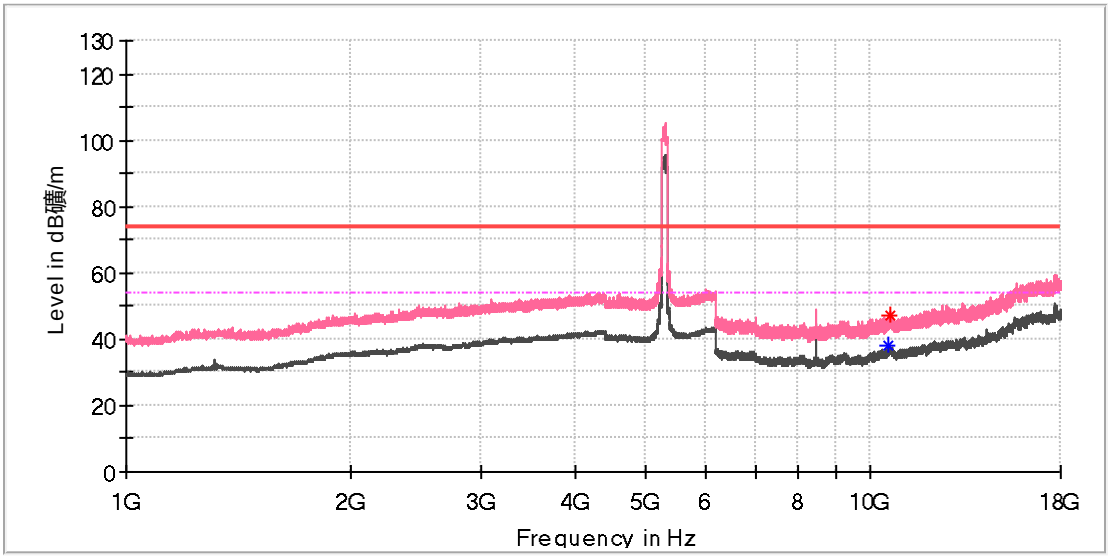
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
10573.866667	---	37.26	54.00	16.74	100.0	H	278.0	12.0
10595.991667	46.89	---	74.00	27.11	100.0	H	358.0	12.1

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11ac_VHT80_Ch58
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

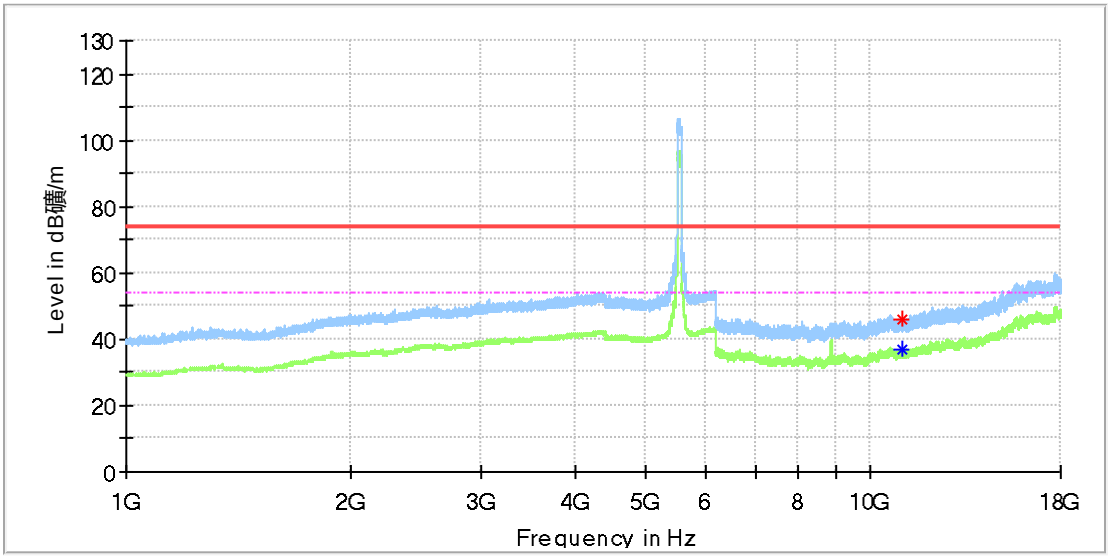
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
10586.158333	---	38.18	54.00	15.82	100.0	V	202.0	12.0
10611.725000	47.34	---	74.00	26.66	100.0	V	90.0	12.0

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11ac_VHT80_Ch106
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

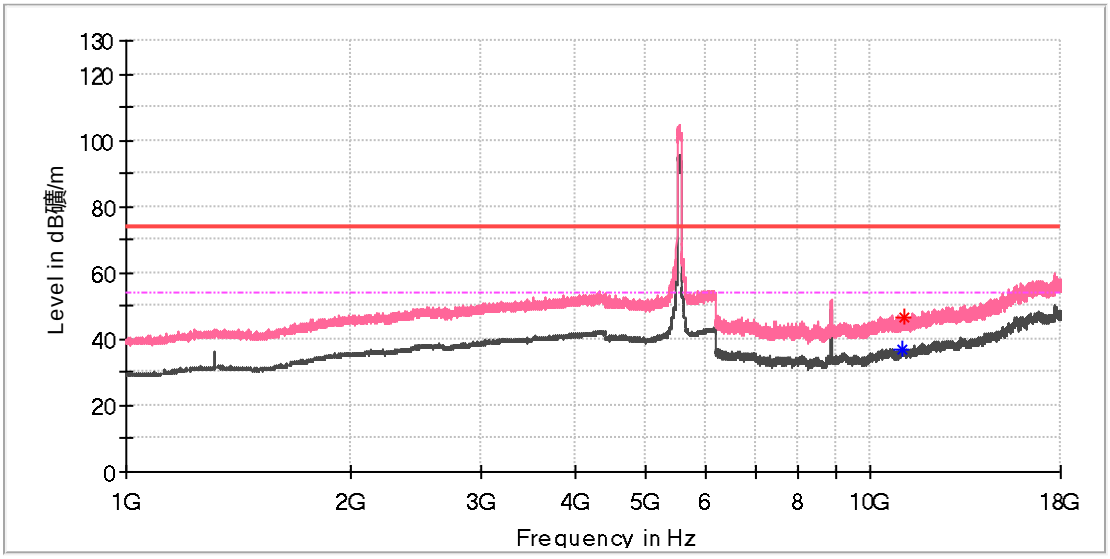
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
11058.650000	---	36.59	54.00	17.41	100.0	H	61.0	12.3
11060.125000	45.94	---	74.00	28.06	100.0	H	153.0	12.3

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11ac_VHT80_Ch106
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

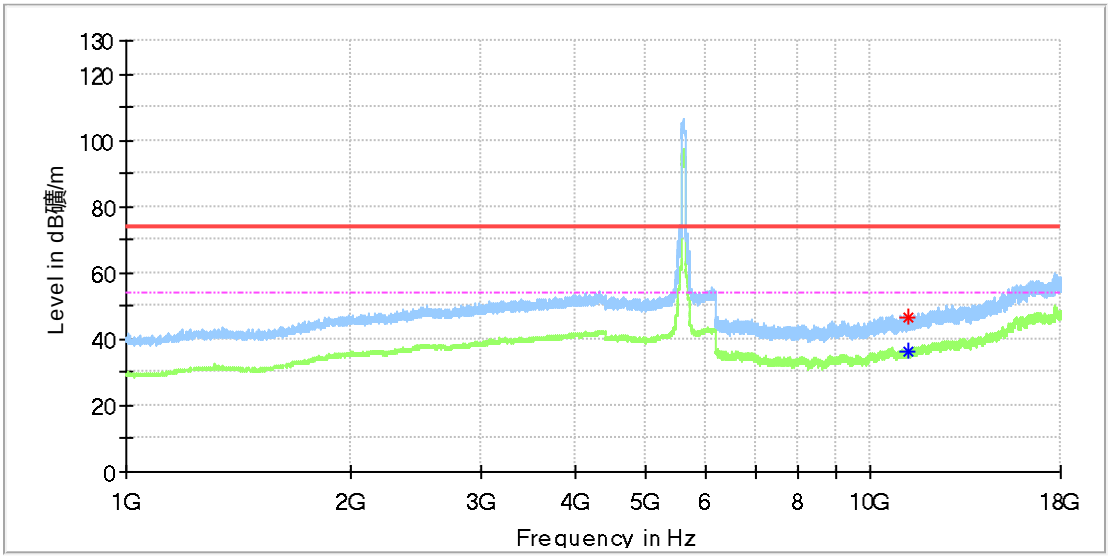
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
11059.141667	---	36.64	54.00	17.36	100.0	V	192.0	12.3
11066.516667	46.63	---	74.00	27.37	100.0	V	350.0	12.3

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11ac_VHT80_Ch122
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

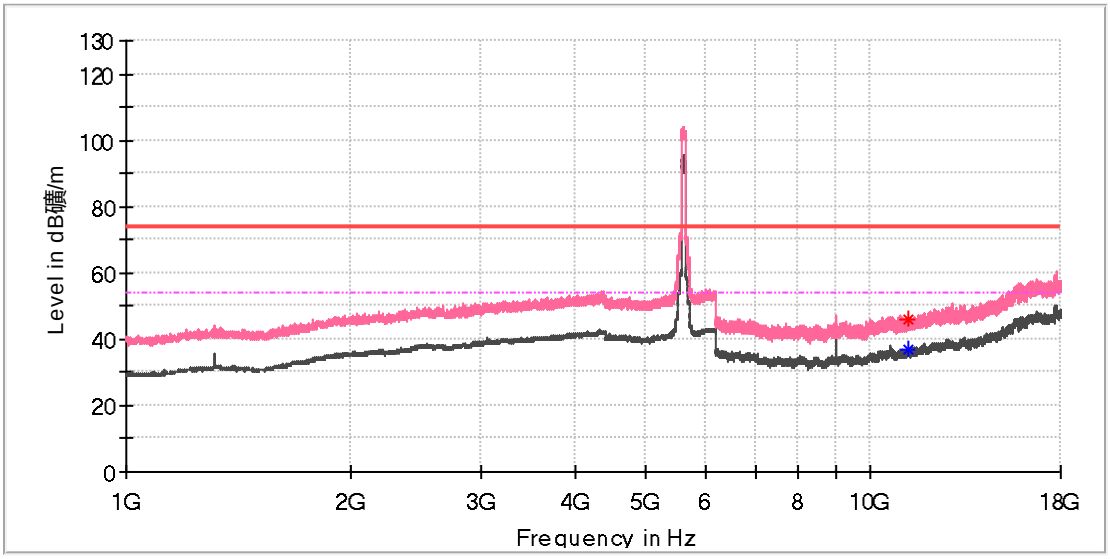
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
11221.391667	---	36.16	54.00	17.84	100.0	H	307.0	12.6
11224.833333	46.38	---	74.00	27.62	100.0	H	136.0	12.6

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11ac_VHT80_Ch122
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

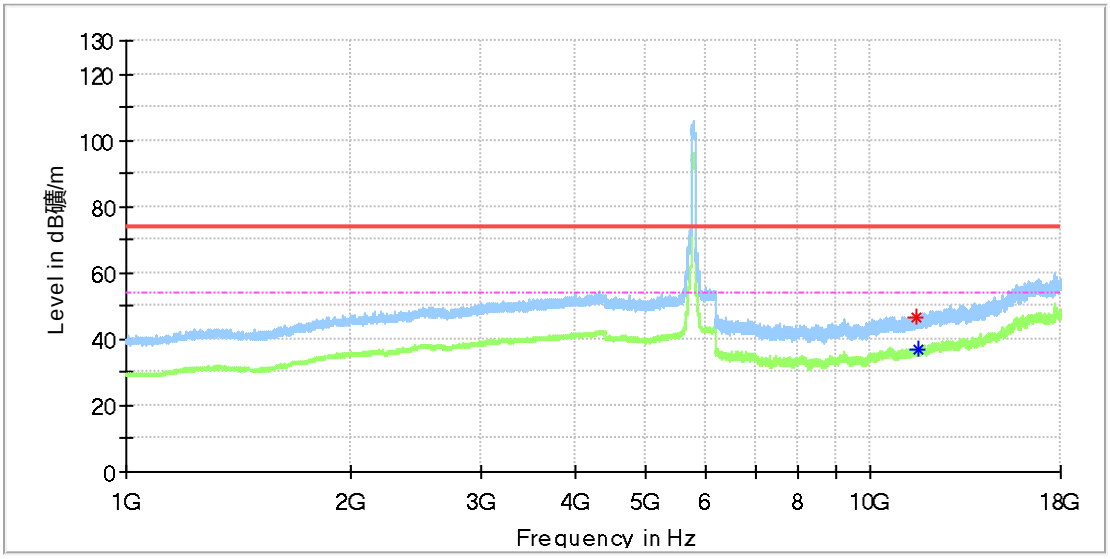
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
11209.100000	45.99	---	74.00	28.01	100.0	V	193.0	12.6
11224.833333	---	37.12	54.00	16.88	100.0	V	22.0	12.6

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11ac_VHT80_Ch155
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

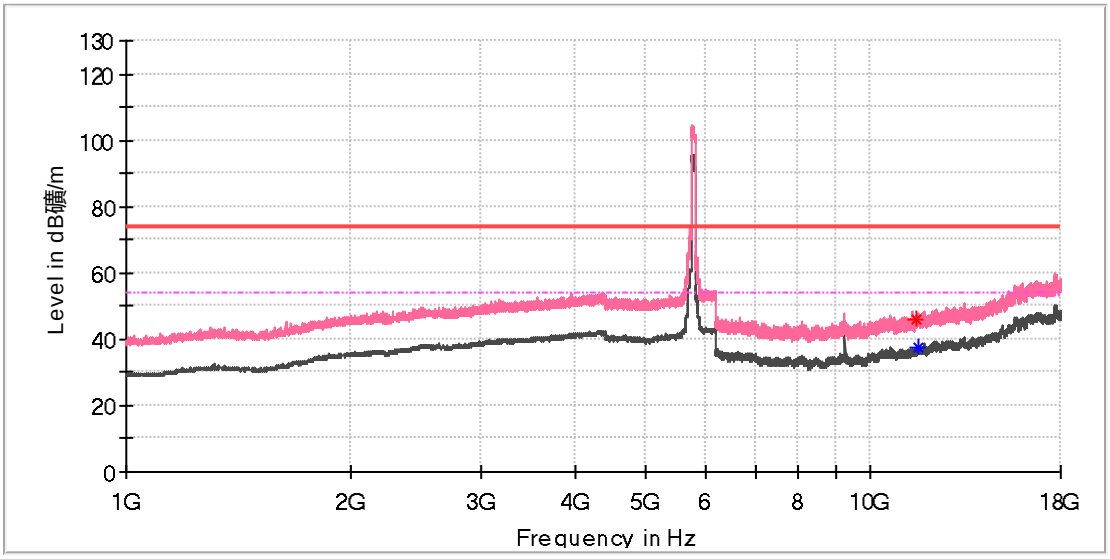
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
11551.791667	46.67	---	74.00	27.33	100.0	H	219.0	13.5
11559.166667	---	36.98	54.00	17.02	100.0	H	200.0	13.4

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11ac_VHT80_Ch155
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
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)
11551.791667	46.14	---	74.00	27.86	100.0	V	80.0	13.5
11560.150000	---	37.42	54.00	16.58	100.0	V	343.0	13.4

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

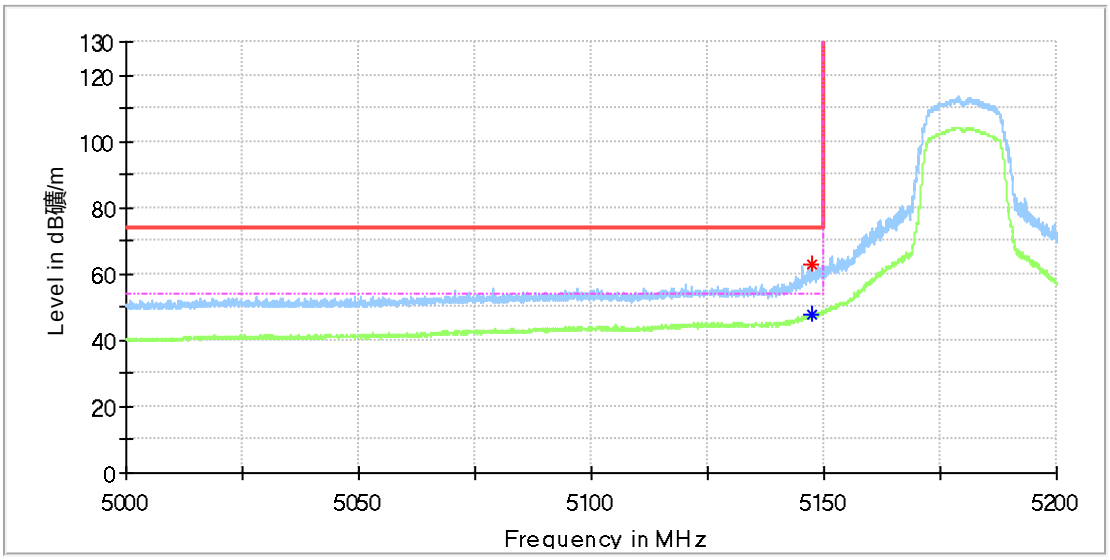
7. Bandedge

7.1 Bandedge (U-NII-1 Band)

802.11a:

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11a_Ch36
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

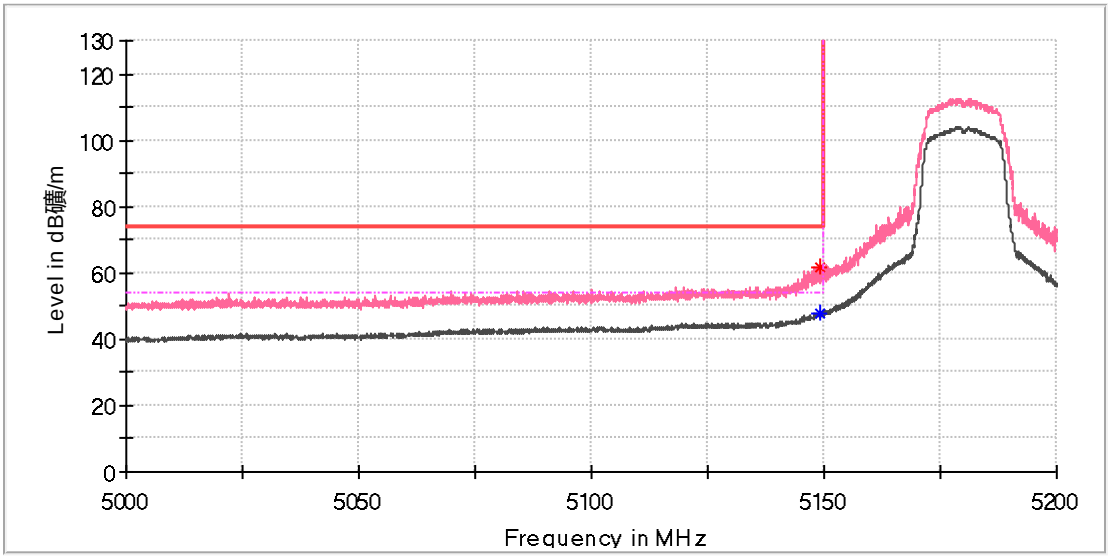


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5147.277778	63.00	---	74.00	11.00	100.0	H	211.0	13.6
5147.333333	---	47.91	54.00	6.09	100.0	H	211.0	13.6

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11a_Ch36
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



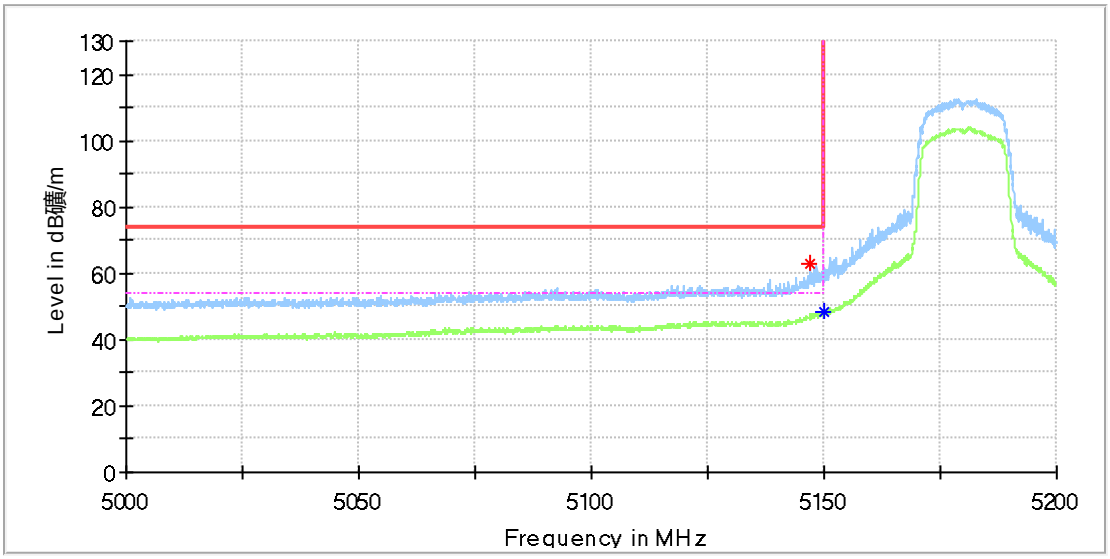
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5148.944445	61.94	---	74.00	12.06	100.0	V	245.0	13.6
5149.055556	---	48.07	54.00	5.93	100.0	V	237.0	13.6

802.11n-HT20:

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11n_Ch36
Test Voltage::	AC 120V/60Hz
Remark:	Temp 22 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

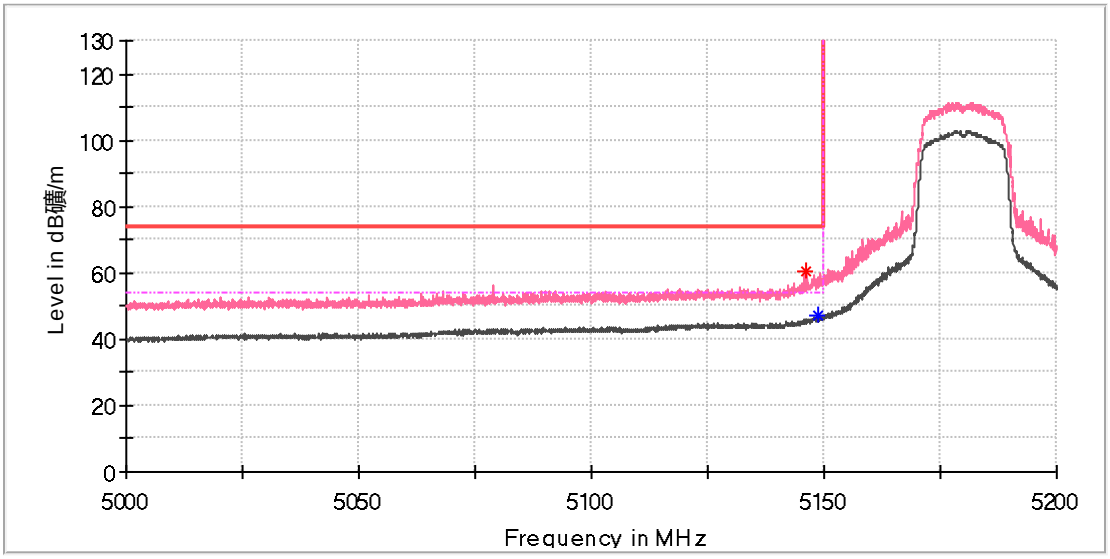


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5146.833333	63.04	---	74.00	10.96	100.0	H	177.0	13.6
5149.944445	---	48.54	54.00	5.46	100.0	H	46.0	13.6

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11n_Ch36
Test Voltage::	AC 120V/60Hz
Remark:	Temp 22 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



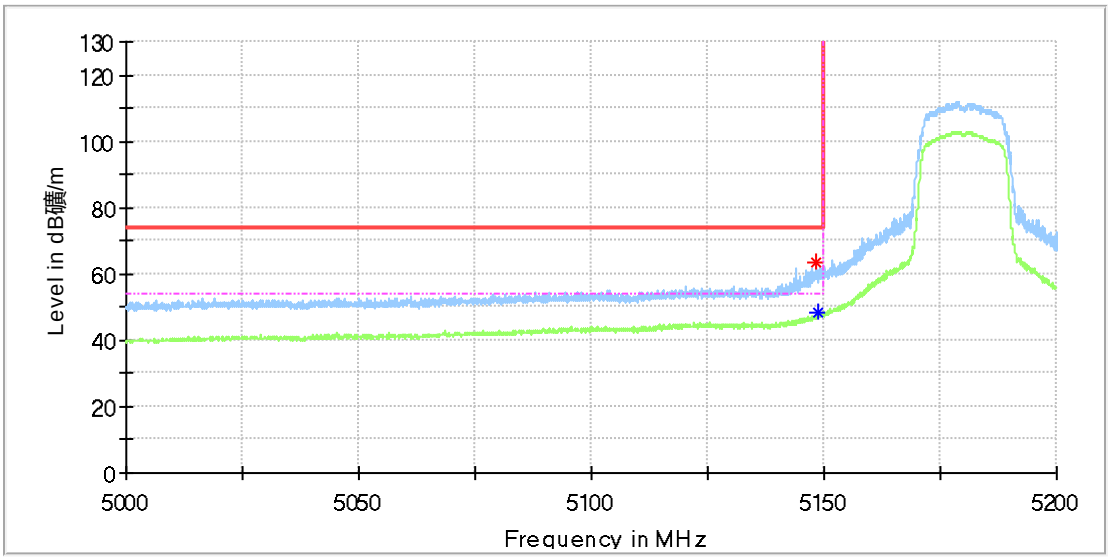
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5146.333333	60.19	---	74.00	13.81	100.0	V	202.0	13.6
5148.777778	---	46.92	54.00	7.08	100.0	V	191.0	13.6

802.11ac20:

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11ac_Ch36
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

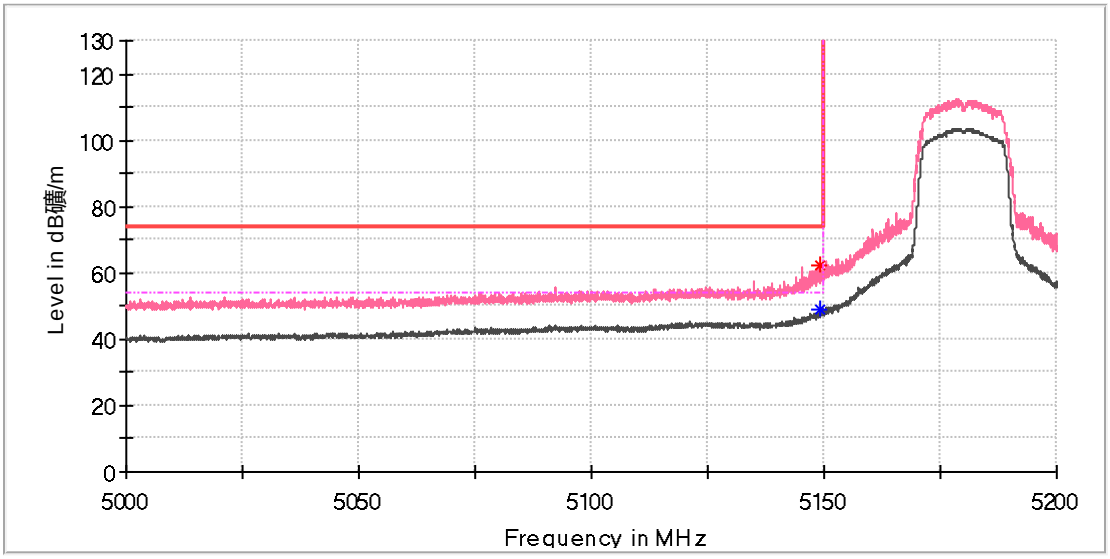


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5148.333333	63.25	---	74.00	10.75	100.0	H	72.0	13.6
5148.666667	---	48.25	54.00	5.75	100.0	H	72.0	13.6

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11ac_Ch36
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



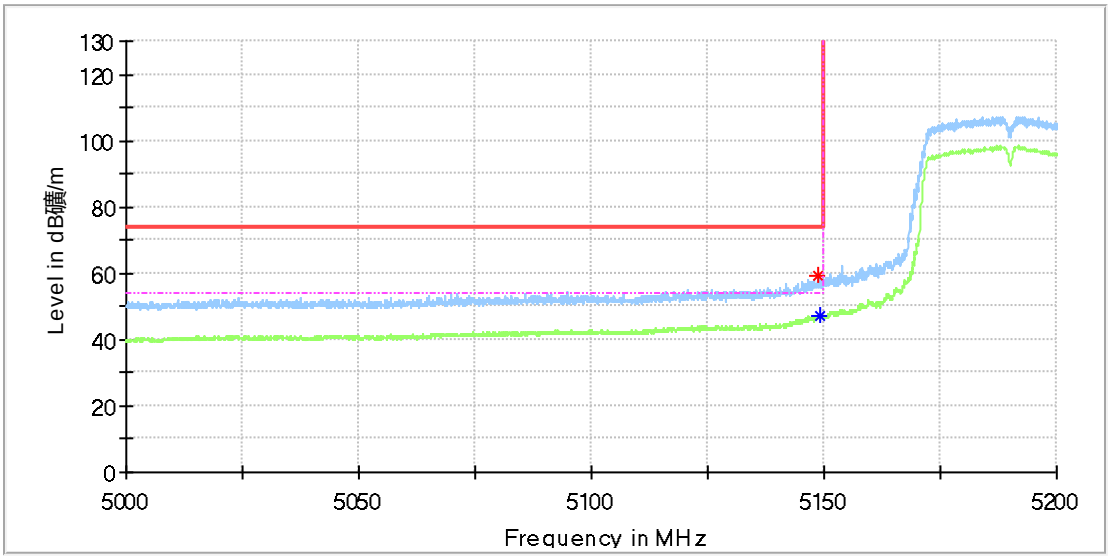
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5149.055556	62.50	---	74.00	11.50	100.0	V	214.0	13.6
5149.222222	---	48.97	54.00	5.03	100.0	V	214.0	13.6

802.11n-HT40:

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11n_Ch38
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

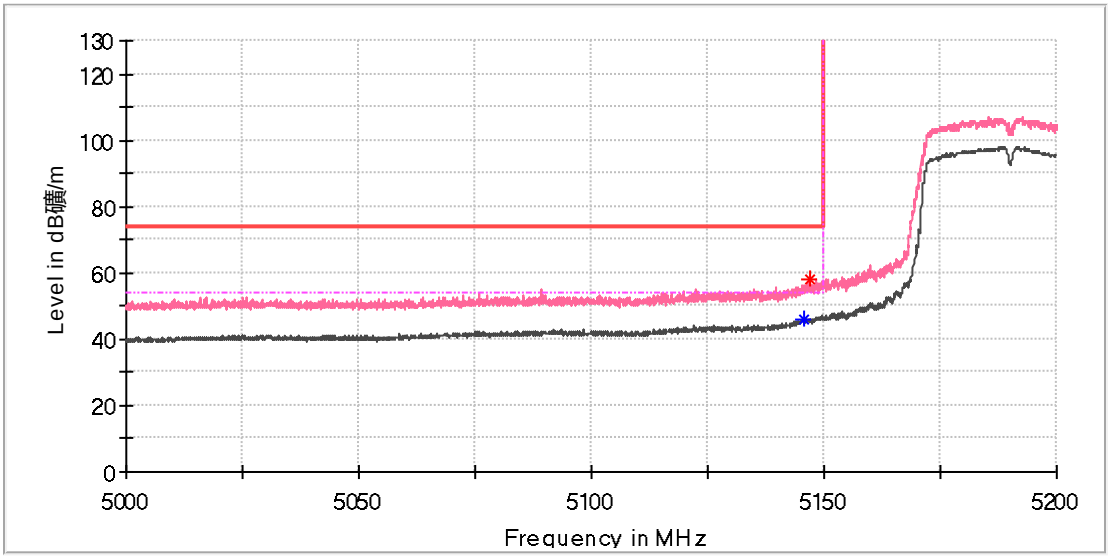


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5148.777778	59.10	---	74.00	14.90	100.0	H	27.0	13.6
5149.000000	---	47.45	54.00	6.55	100.0	H	27.0	13.6

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11n_Ch38
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



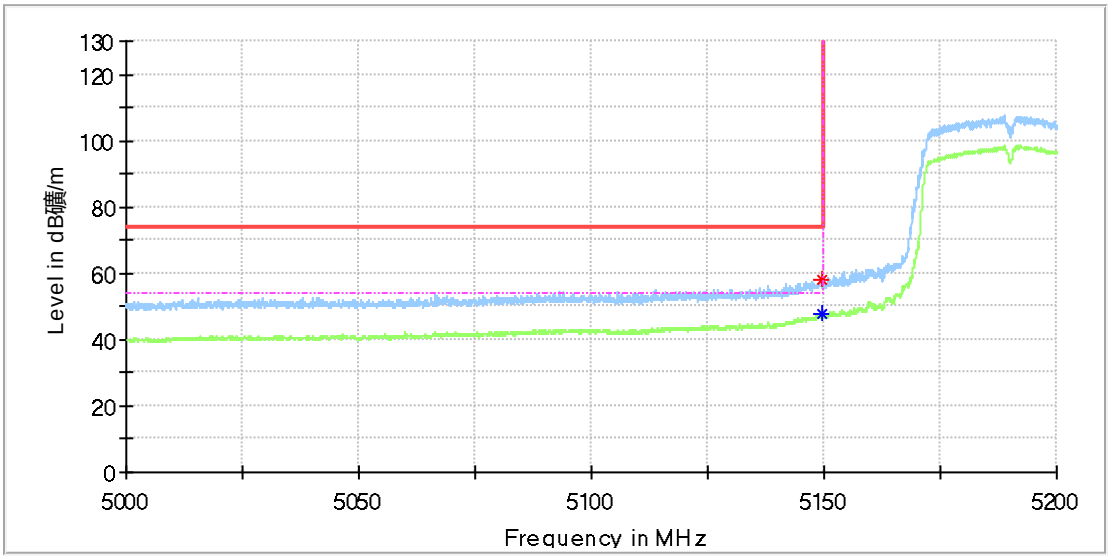
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5145.777778	---	46.11	54.00	7.89	100.0	V	182.0	13.6
5146.833333	58.26	---	74.00	15.74	100.0	V	182.0	13.6

802.11ac40:

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11ac_Ch38
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

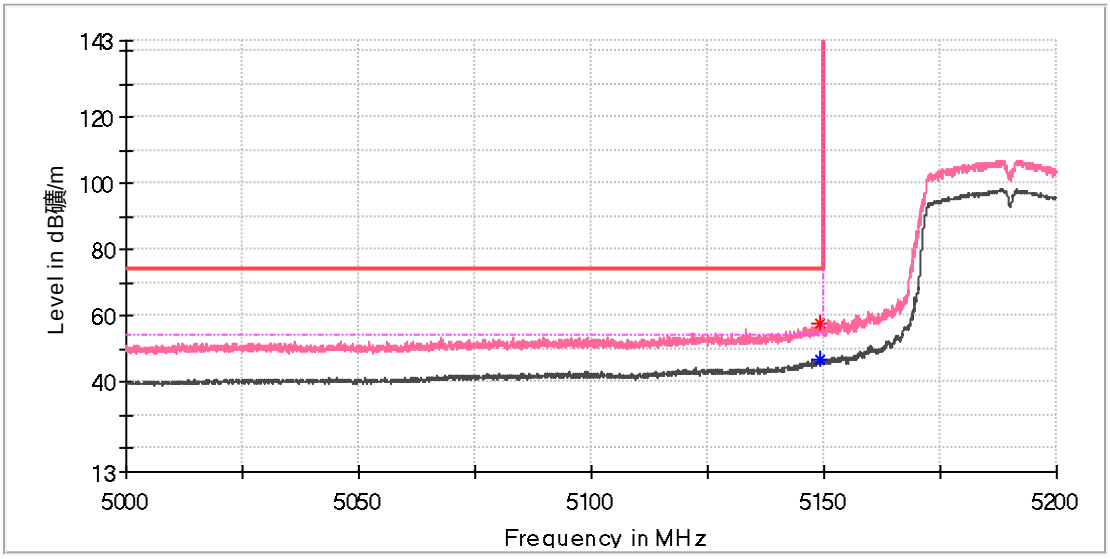


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5149.611111	---	47.64	54.00	6.36	100.0	H	54.0	13.6
5149.611111	58.34	---	74.00	15.66	100.0	H	54.0	13.6

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11ac_Ch38
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



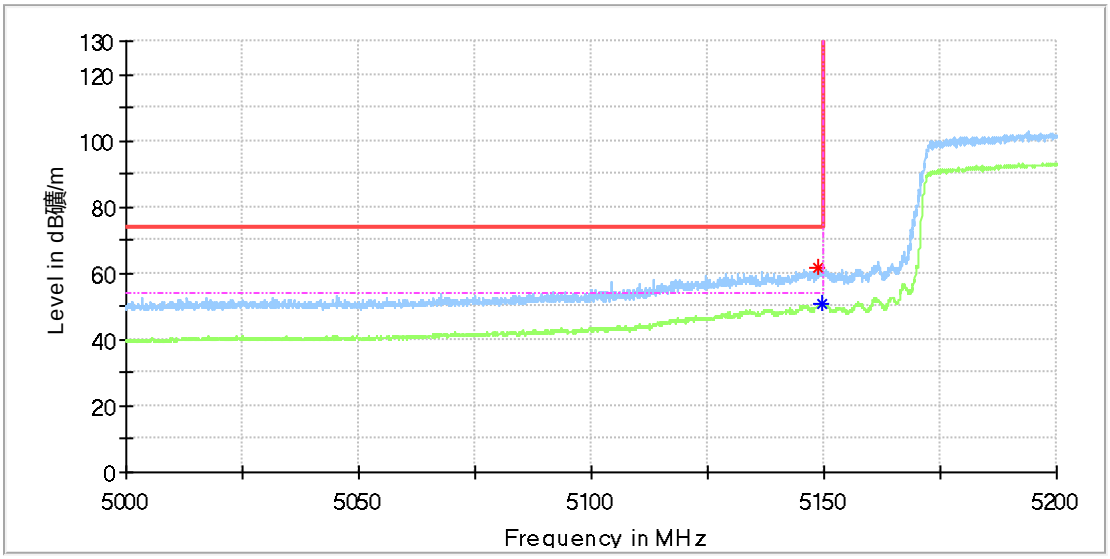
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5149.055556	57.49	---	74.00	16.51	100.0	V	188.0	13.6
5149.222222	---	46.91	54.00	7.09	100.0	V	188.0	13.6

802.11ac80:

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11ac_Ch42
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

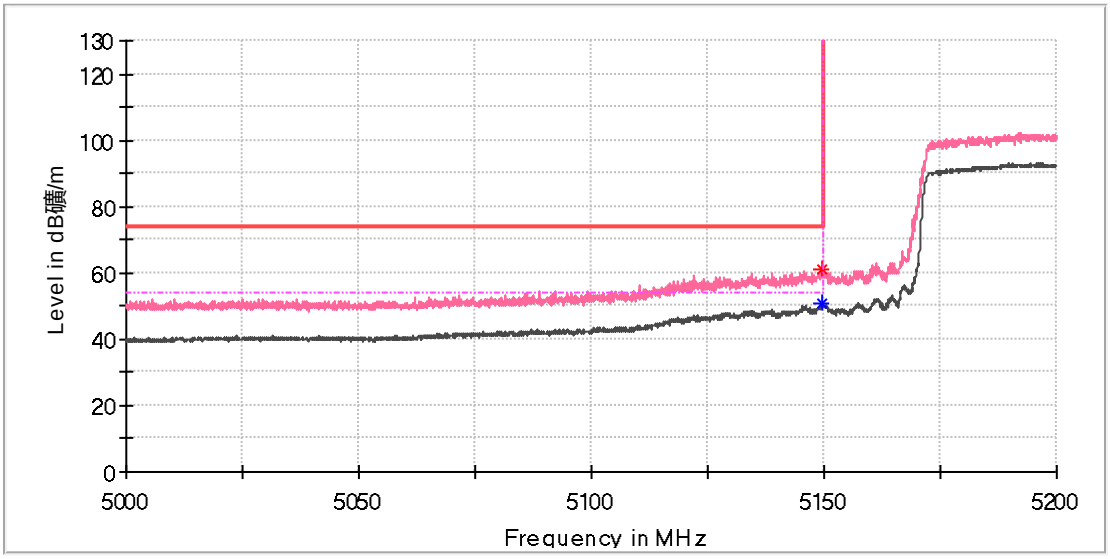


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5148.777778	61.49	---	74.00	12.51	100.0	H	32.0	13.6
5149.777778	---	51.06	54.00	2.94	100.0	H	32.0	13.6

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11ac_Ch42
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

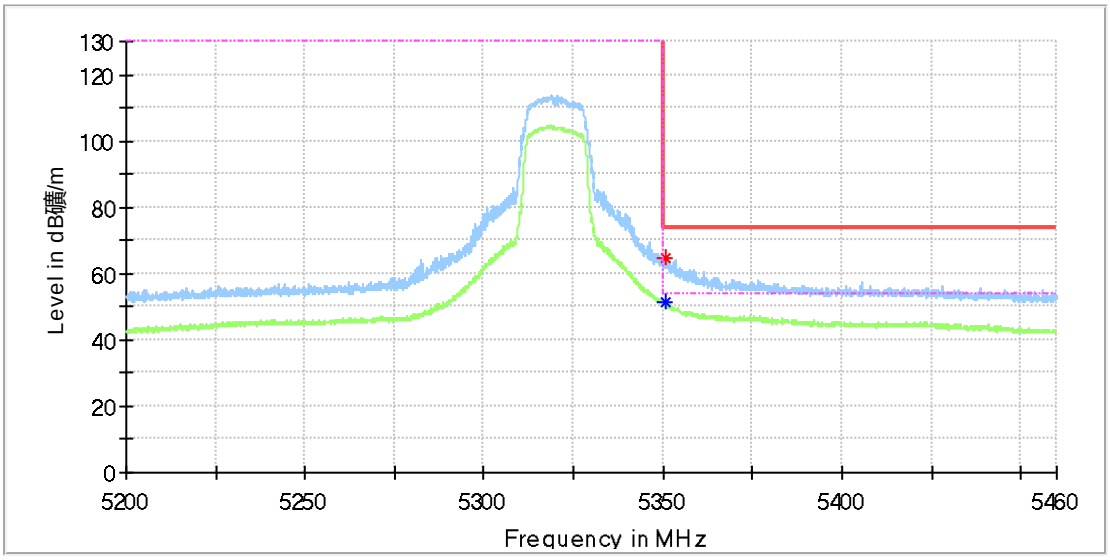
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5149.666667	---	50.66	54.00	3.34	100.0	V	194.0	13.6
5149.722222	60.98	---	74.00	13.02	100.0	V	194.0	13.6

7.2 Bandedge (U-NII-2A Band)

802.11a:

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11a_Ch64
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

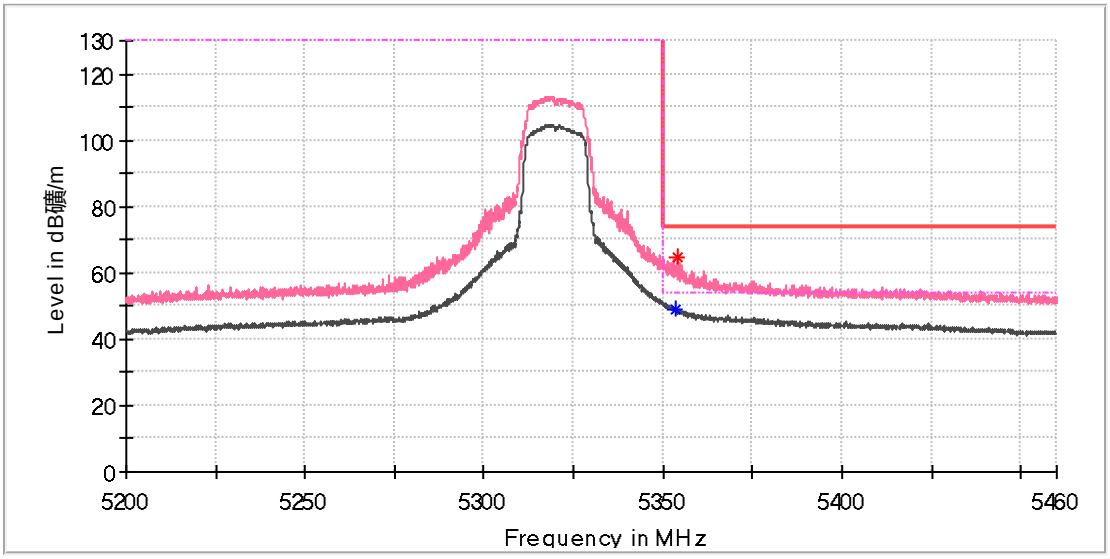


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5350.655556	64.76	---	74.00	9.24	100.0	H	334.0	14.2
5350.800000	---	51.33	54.00	2.67	100.0	H	88.0	14.2

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11a_Ch64
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



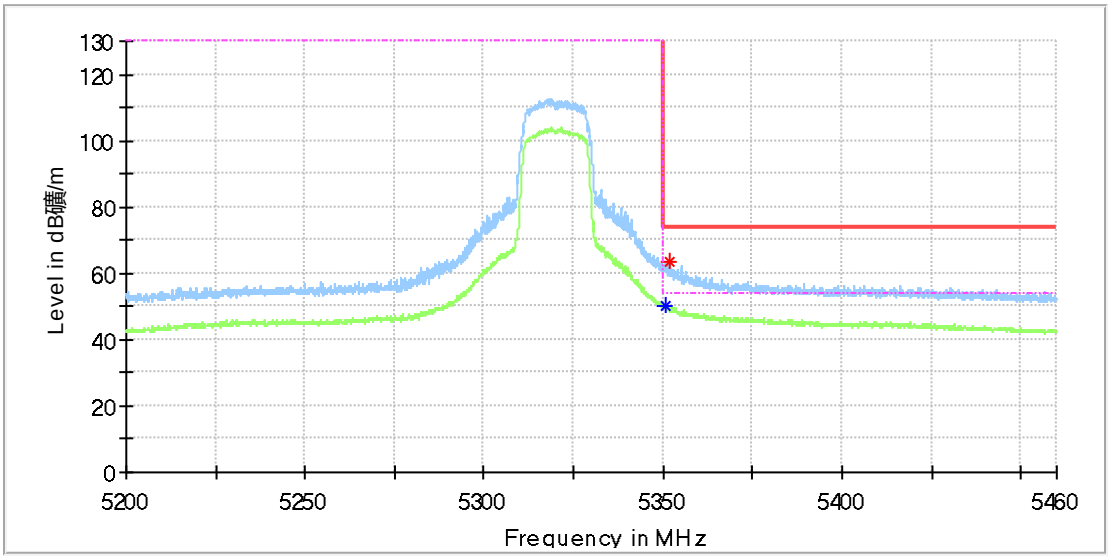
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5353.688889	---	48.79	54.00	5.21	100.0	V	236.0	14.2
5353.905556	64.81	---	74.00	9.19	100.0	V	244.0	14.2

802.11n-HT20:

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11n_Ch64
Test Voltage::	AC 120V/60Hz
Remark:	Temp 22 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

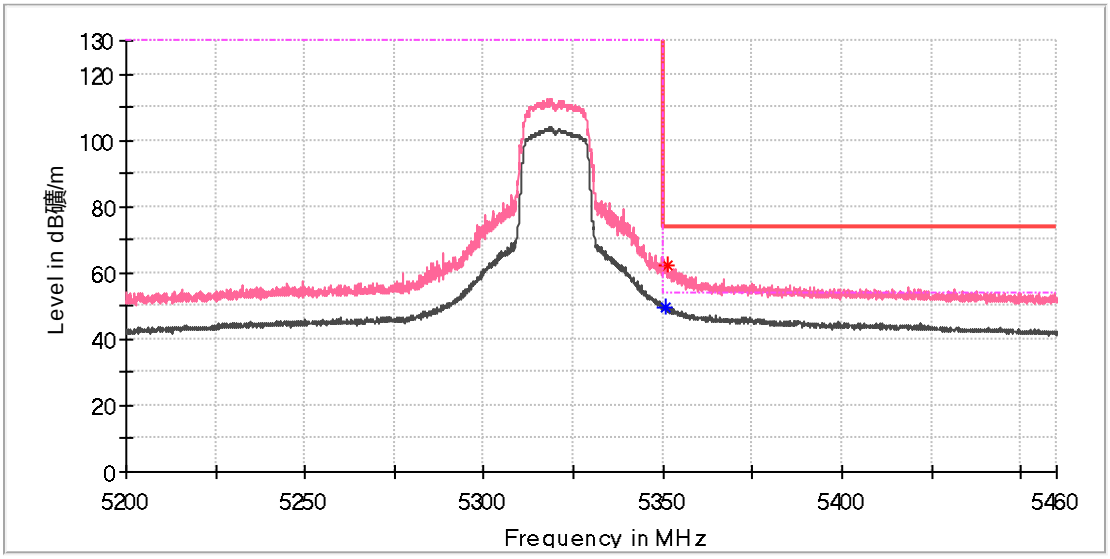


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5350.727778	---	50.20	54.00	3.80	100.0	H	44.0	14.2
5351.811111	63.30	---	74.00	10.70	100.0	H	166.0	14.2

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11n_Ch64
Test Voltage::	AC 120V/60Hz
Remark:	Temp 22 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



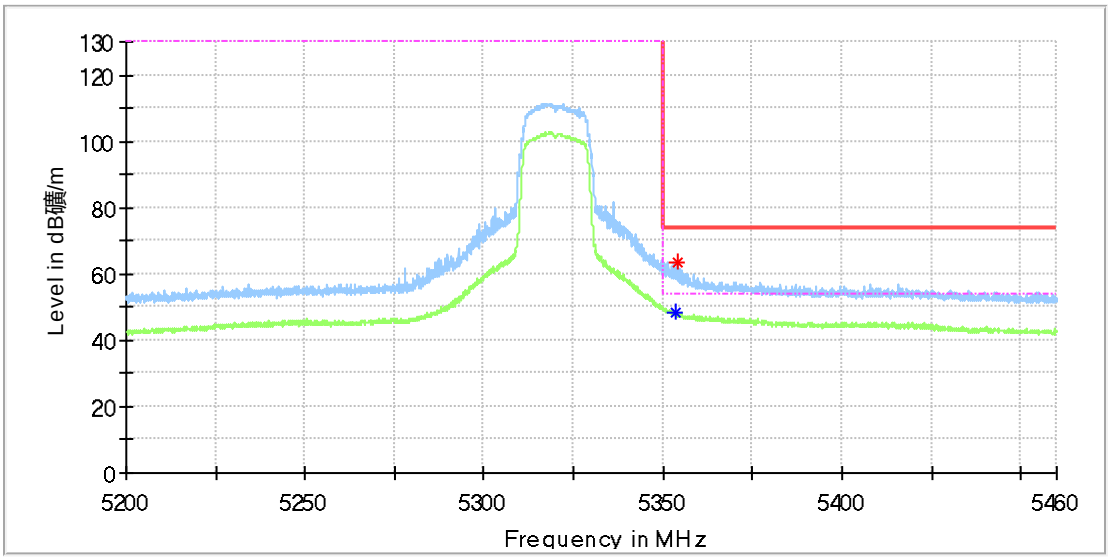
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5350.944445	---	49.88	54.00	4.12	100.0	V	186.0	14.2
5351.377778	62.03	---	74.00	11.97	100.0	V	186.0	14.2

802.11ac20:

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11ac_Ch64
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

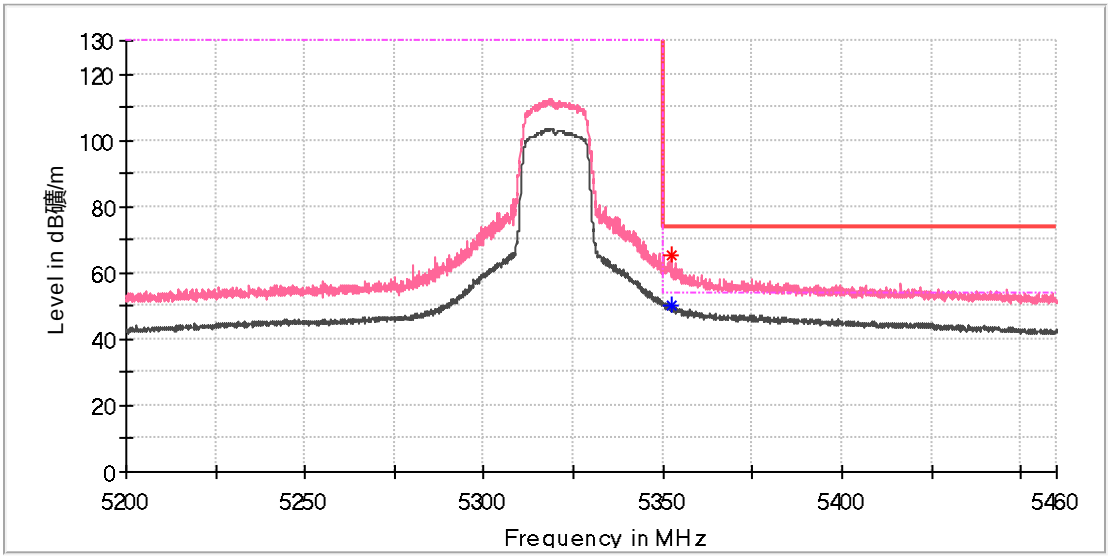


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5353.544445	---	48.54	54.00	5.46	100.0	H	72.0	14.2
5353.833333	63.66	---	74.00	10.34	100.0	H	187.0	14.2

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11ac_Ch64
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



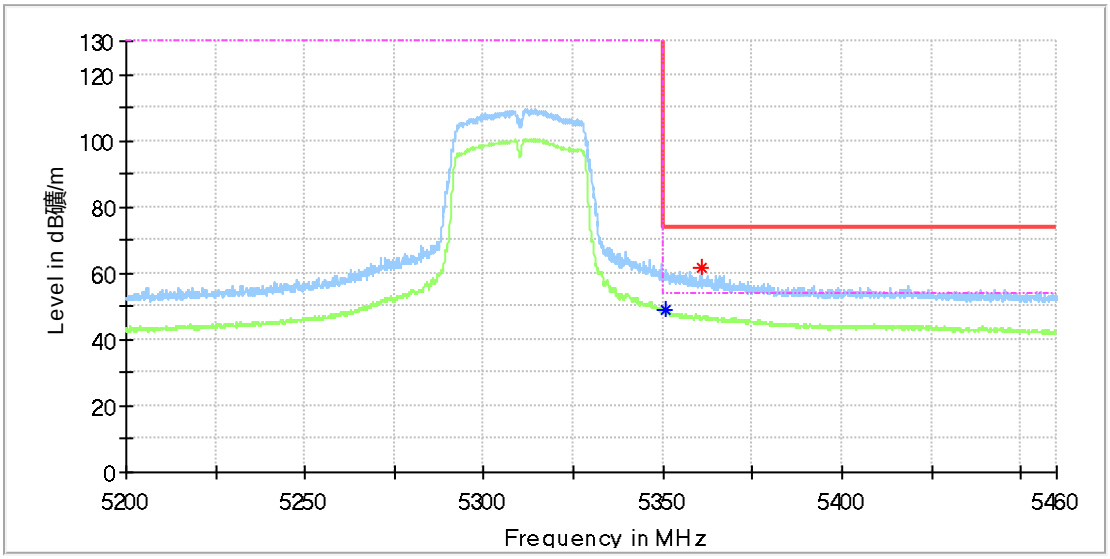
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5352.533333	---	50.31	54.00	3.69	100.0	V	210.0	14.2
5352.605556	65.26	---	74.00	8.74	100.0	V	218.0	14.2

802.11n-HT40:

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11n_Ch62
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

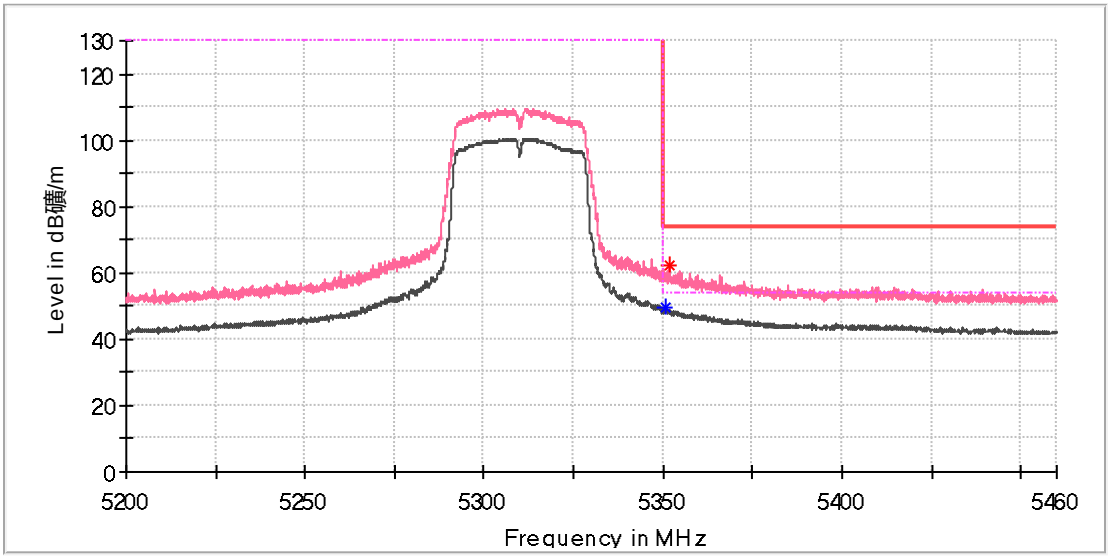


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5350.511111	---	49.06	54.00	4.94	100.0	H	263.0	14.2
5360.911111	61.53	---	74.00	12.47	100.0	H	144.0	14.3

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11n_Ch62
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



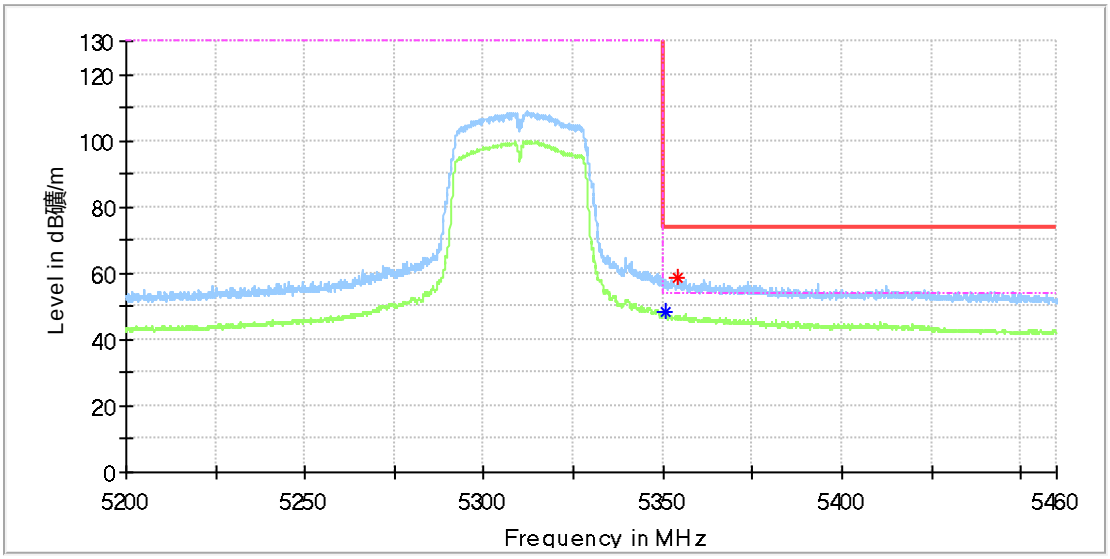
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5350.727778	---	49.41	54.00	4.59	100.0	V	187.0	14.2
5351.594445	62.18	---	74.00	11.82	100.0	V	187.0	14.2

802.11ac40:

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11ac_Ch62
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

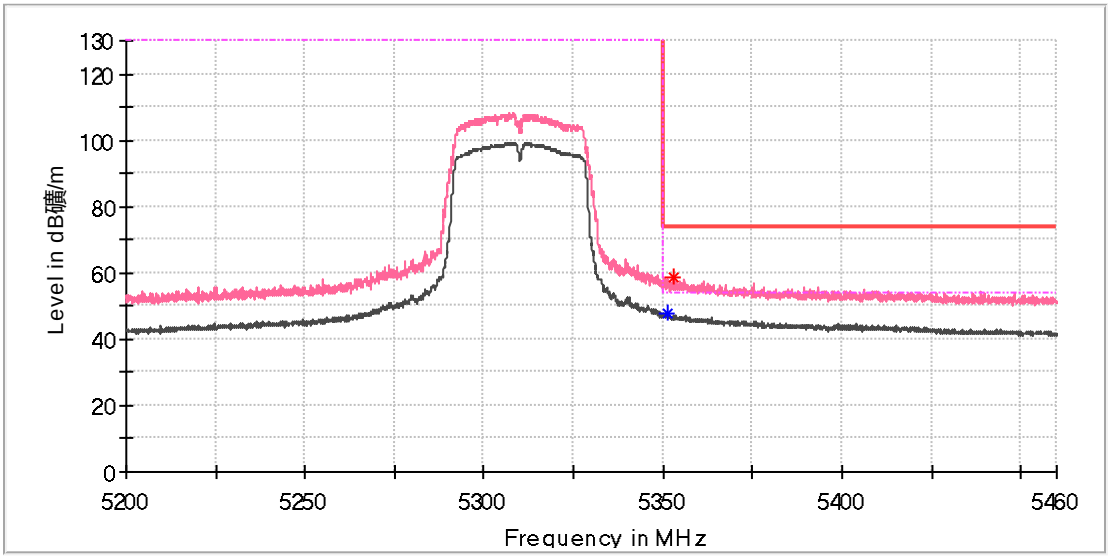


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5350.727778	---	48.24	54.00	5.76	100.0	H	159.0	14.2
5353.905556	58.86	---	74.00	15.14	100.0	H	159.0	14.2

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11ac_Ch62
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



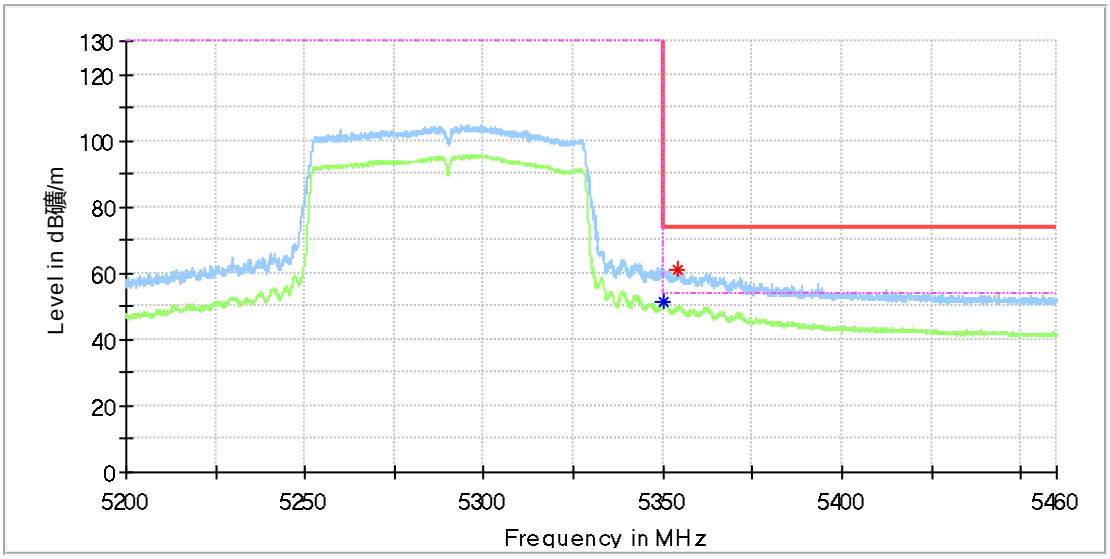
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5351.377778	---	47.59	54.00	6.41	100.0	V	187.0	14.2
5353.038889	58.95	---	74.00	15.05	100.0	V	187.0	14.2

802.11ac80:

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11ac_Ch58
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

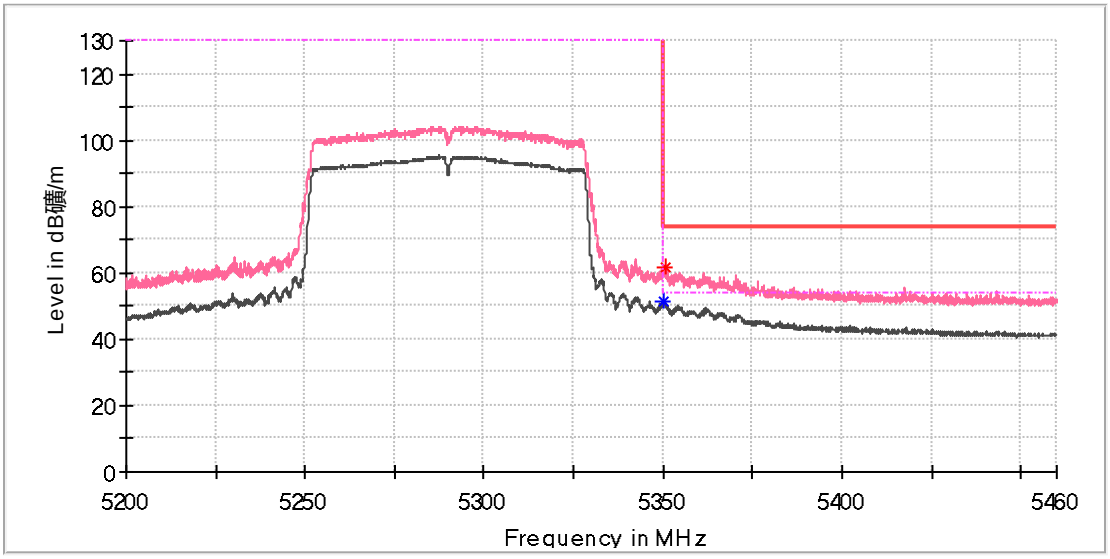


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5350.005556	---	51.27	54.00	2.73	100.0	H	162.0	14.2
5354.050000	60.91	---	74.00	13.09	100.0	H	41.0	14.2

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11ac_Ch58
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

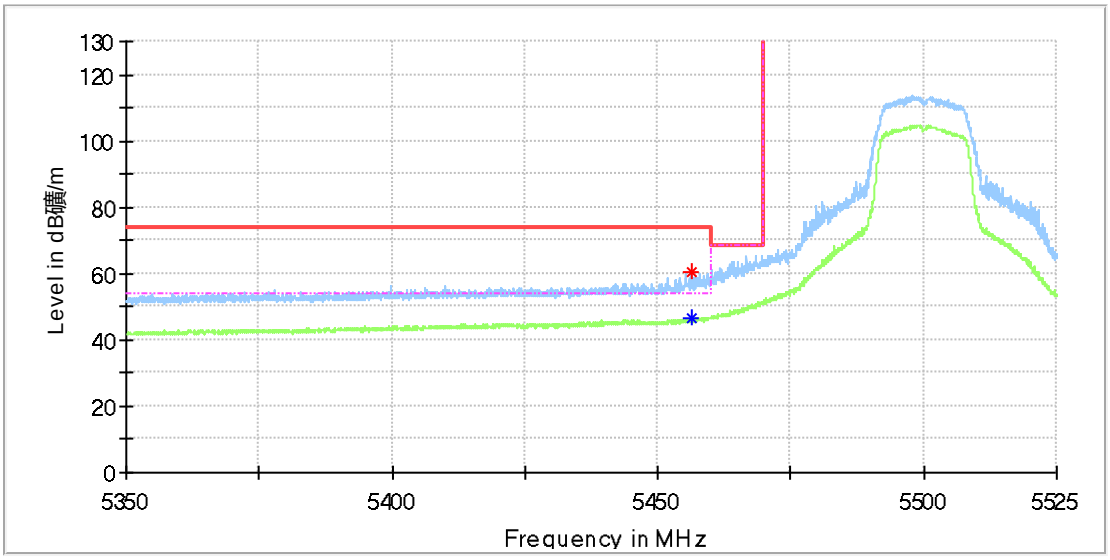
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5350.077778	---	51.53	54.00	2.47	100.0	V	187.0	14.2
5350.872222	61.50	---	74.00	12.50	100.0	V	178.0	14.2

7.3 Bandedge (U-NII-2C Band)

802.11a:

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11a_Ch100
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

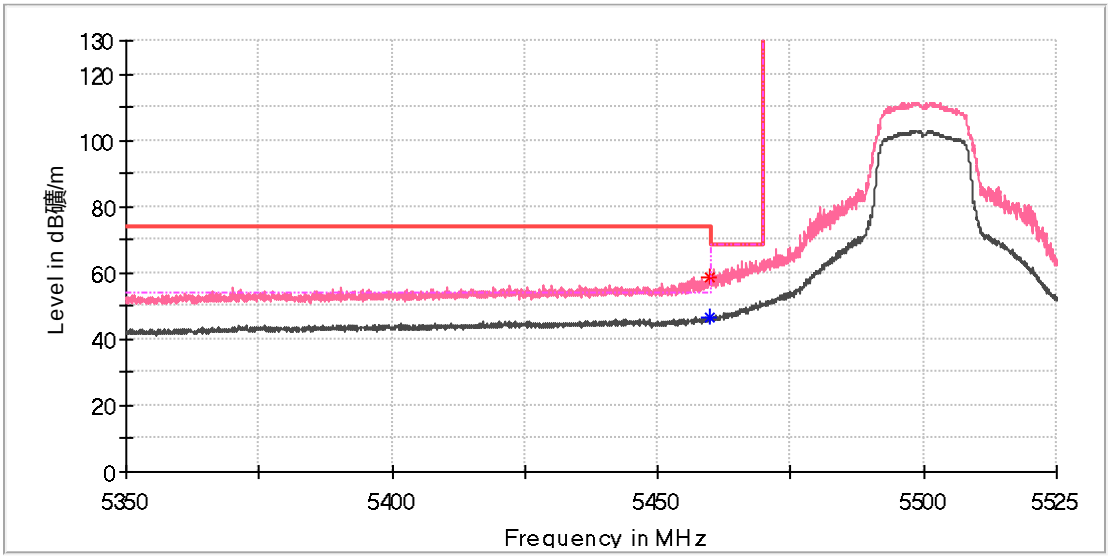


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5456.215278	60.35	---	74.00	13.65	100.0	H	288.0	14.3
5456.458333	---	46.31	54.00	7.69	100.0	H	288.0	14.3

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11a_Ch100
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

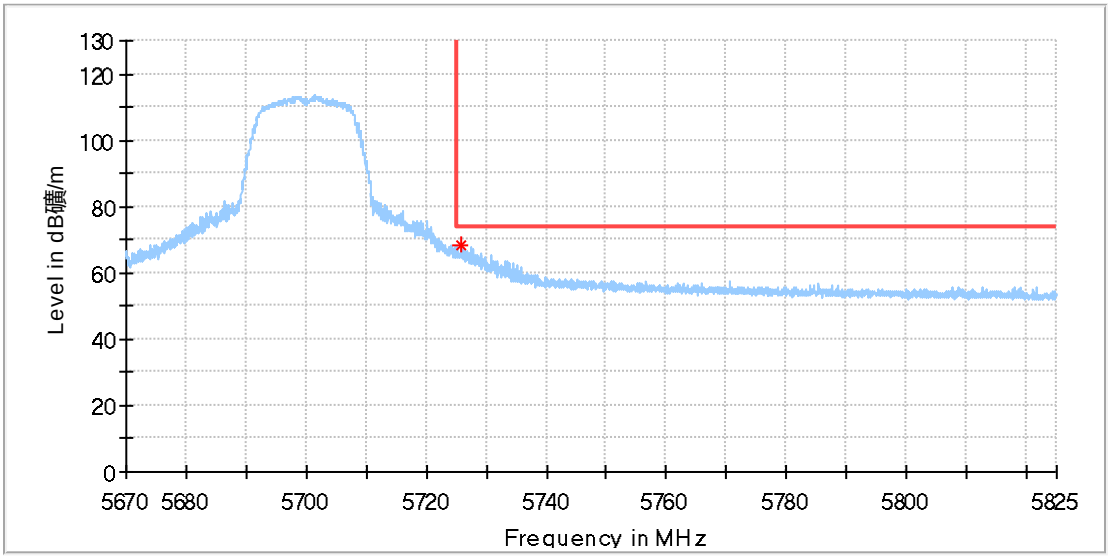


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5459.569445	---	46.48	54.00	7.52	100.0	V	220.0	14.3
5459.666667	58.67	---	74.00	15.33	100.0	V	211.0	14.3

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11a_Ch140
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

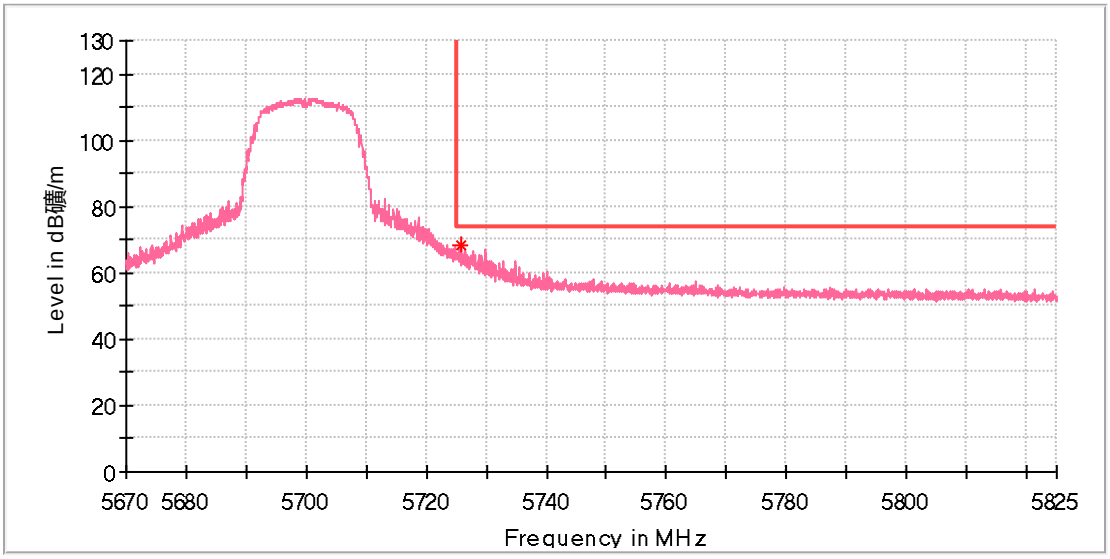


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	DET 2 (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5725.670833	68.42	---	74.00	5.58	100.0	H	245.0	14.5

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11a_Ch140
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



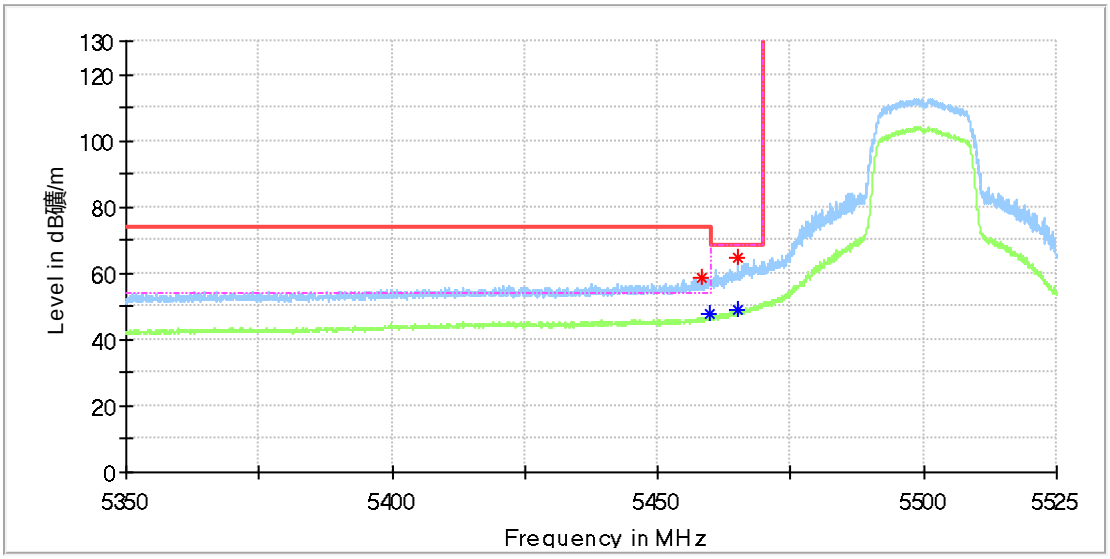
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	DET 2 (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5725.843056	68.19	---	74.00	5.81	100.0	V	194.0	14.5

802.11n-HT20:

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11n_Ch100
Test Voltage::	AC 120V/60Hz
Remark:	Temp 22 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

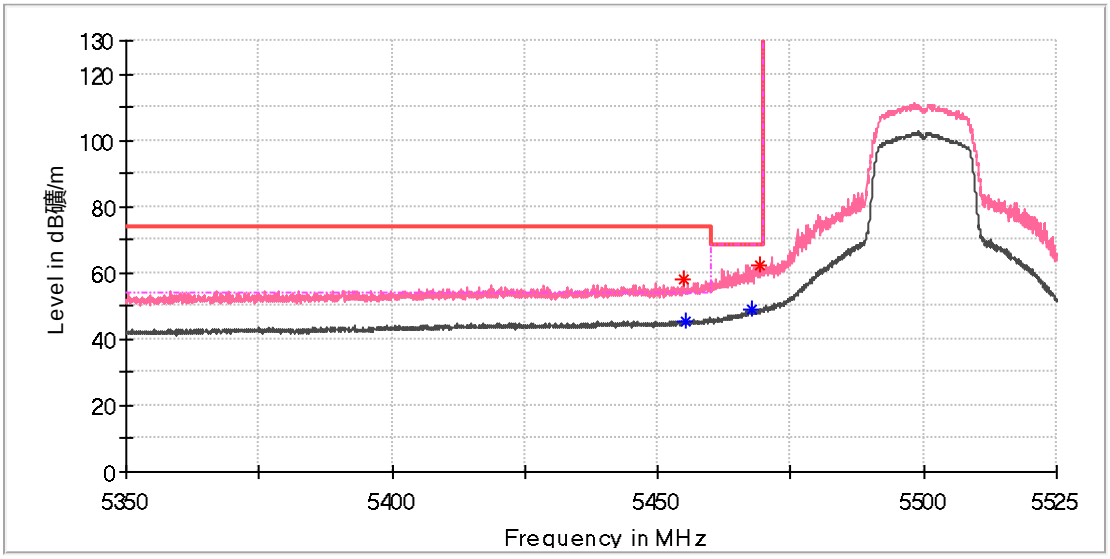


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5458.402778	58.75	---	74.00	15.25	100.0	H	161.0	14.3
5459.618056	---	47.47	54.00	6.53	100.0	H	171.0	14.3
5465.013889	64.75	---	68.20	3.45	100.0	H	171.0	14.3
5465.159722	---	48.94	68.20	19.26	100.0	H	47.0	14.3

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11n_Ch100
Test Voltage::	AC 120V/60Hz
Remark:	Temp 22 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

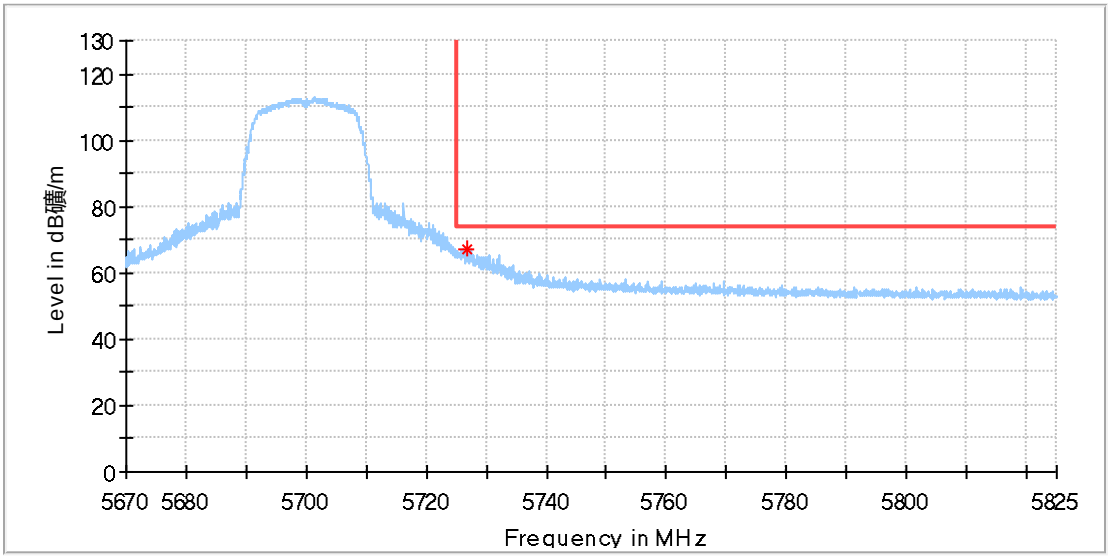


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5454.902778	57.80	---	74.00	16.20	100.0	V	183.0	14.3
5455.243056	---	45.52	54.00	8.48	100.0	V	193.0	14.3
5467.784722	---	48.77	68.20	19.43	100.0	V	229.0	14.3
5469.097222	62.53	---	68.20	5.67	100.0	V	229.0	14.3

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11n_Ch140
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

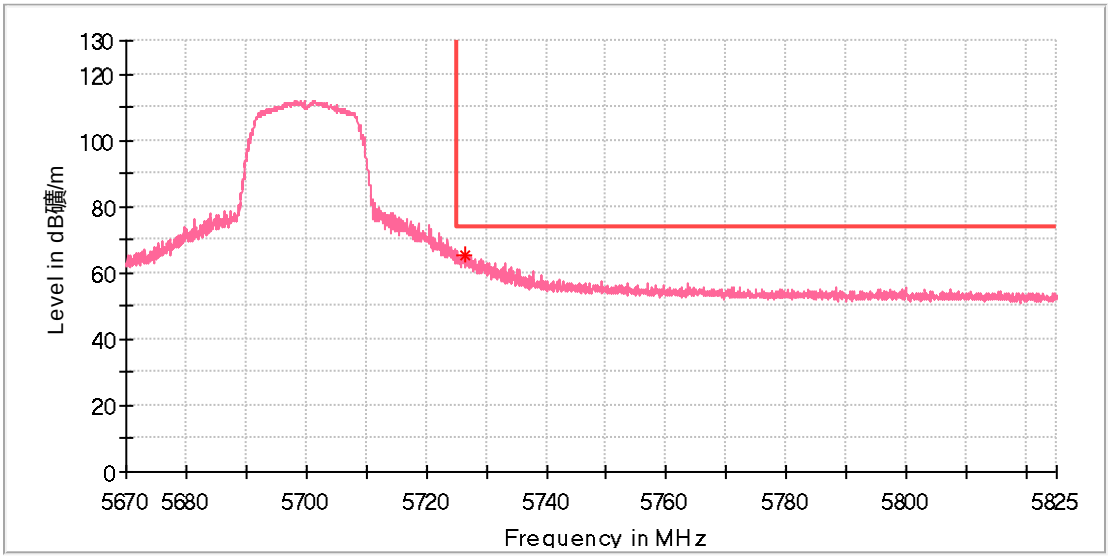


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	DET 2 (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5726.661111	67.18	---	74.00	6.82	100.0	H	239.0	14.5

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11n_Ch140
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



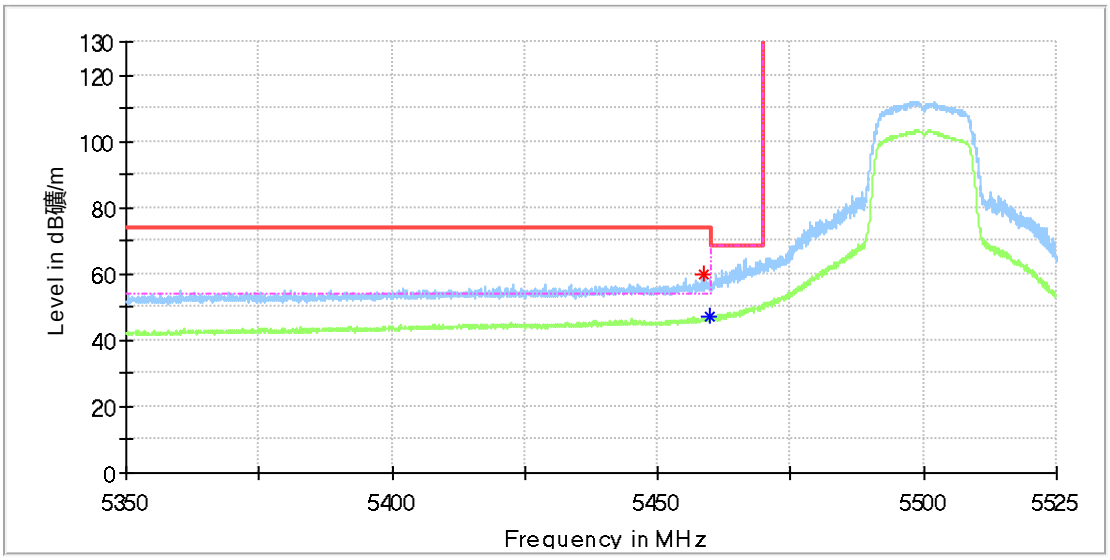
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	DET 2 (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5726.359722	65.40	---	74.00	8.60	100.0	V	217.0	14.5

802.11ac20:

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11ac_Ch100
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

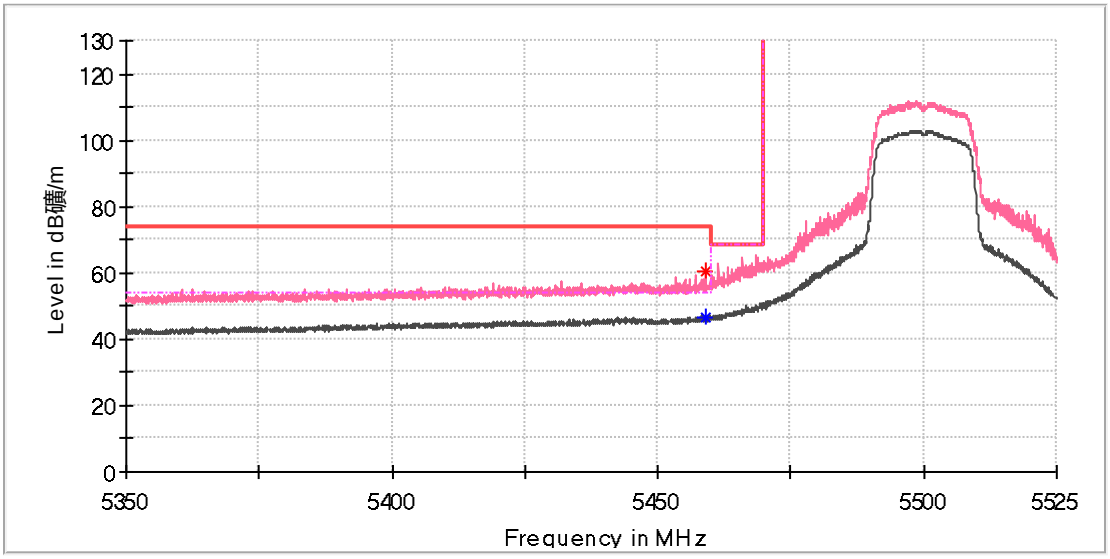


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5458.597222	59.83	---	74.00	14.17	100.0	H	277.0	14.3
5459.666667	---	47.13	54.00	6.87	100.0	H	302.0	14.3

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11ac_Ch100
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

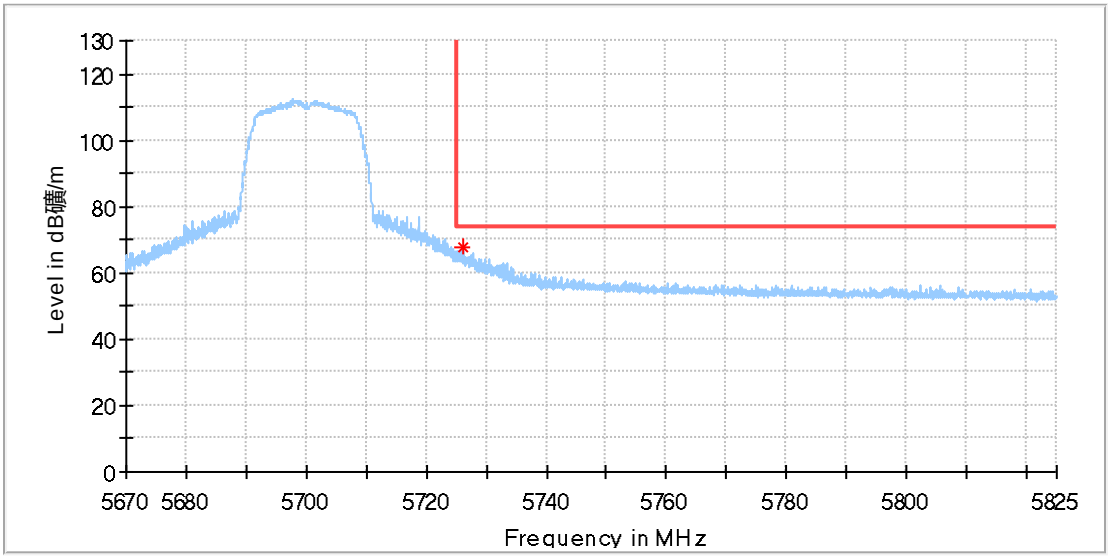


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5459.034722	---	46.76	54.00	7.24	100.0	V	222.0	14.3
5459.131945	60.39	---	74.00	13.61	100.0	V	222.0	14.3

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11ac_Ch140
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

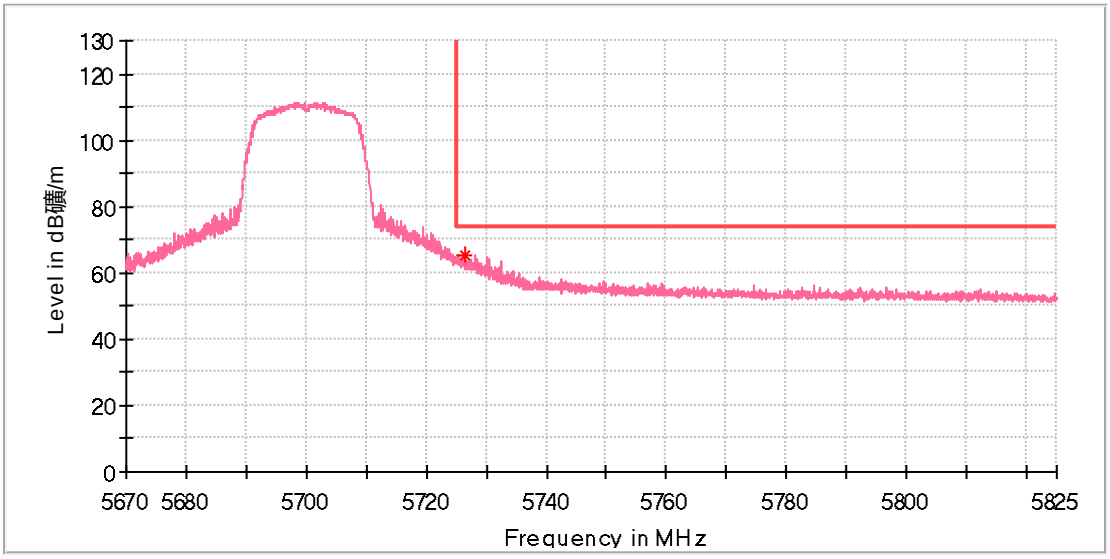


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	DET 2 (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5726.015278	67.78	---	74.00	6.22	100.0	H	231.0	14.5

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11ac_Ch140
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



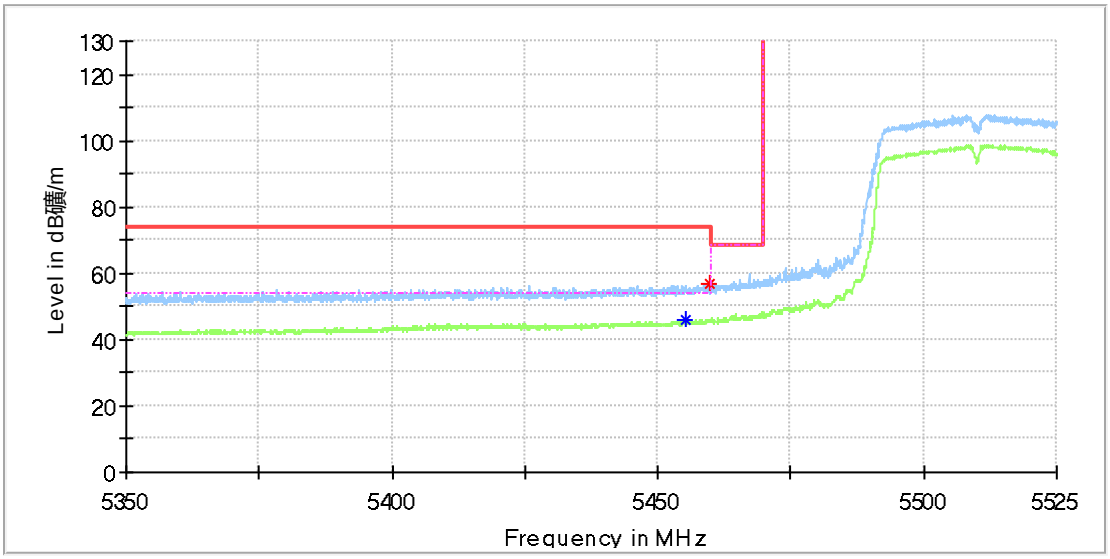
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	DET 2 (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5726.575000	65.48	---	74.00	8.52	100.0	V	220.0	14.5

802.11n-HT40:

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11n_Ch102
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

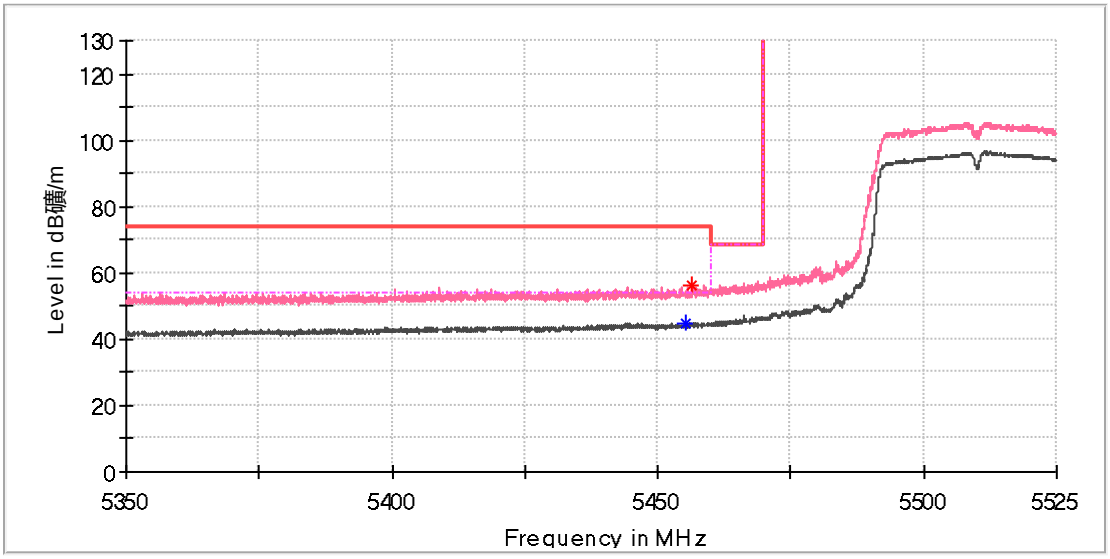


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5455.388889	---	46.07	54.00	7.93	100.0	H	272.0	14.3
5459.763889	56.86	---	74.00	17.14	100.0	H	154.0	14.3

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11n_Ch102
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

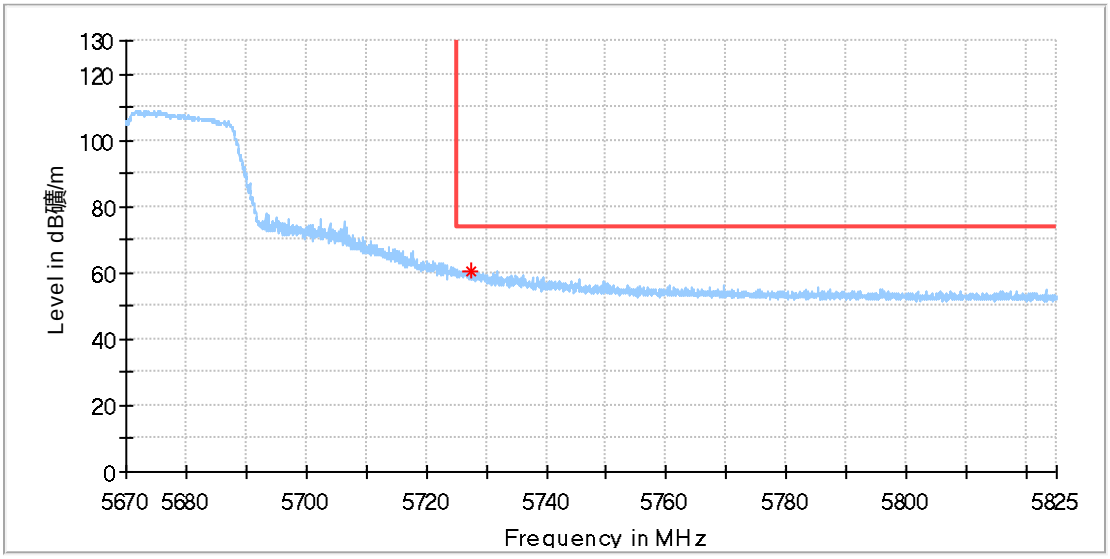


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5455.243056	---	44.98	54.00	9.02	100.0	V	188.0	14.3
5456.361111	56.12	---	74.00	17.88	100.0	V	188.0	14.3

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11n_Ch134
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

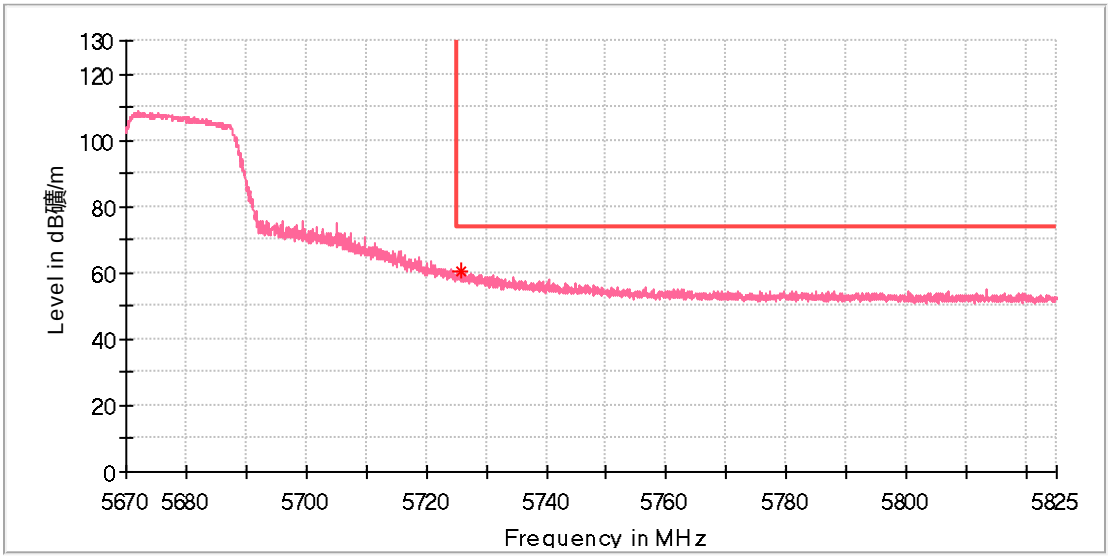


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	DET 2 (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5727.565278	60.59	---	74.00	13.41	100.0	H	252.0	14.5

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11n_Ch134
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



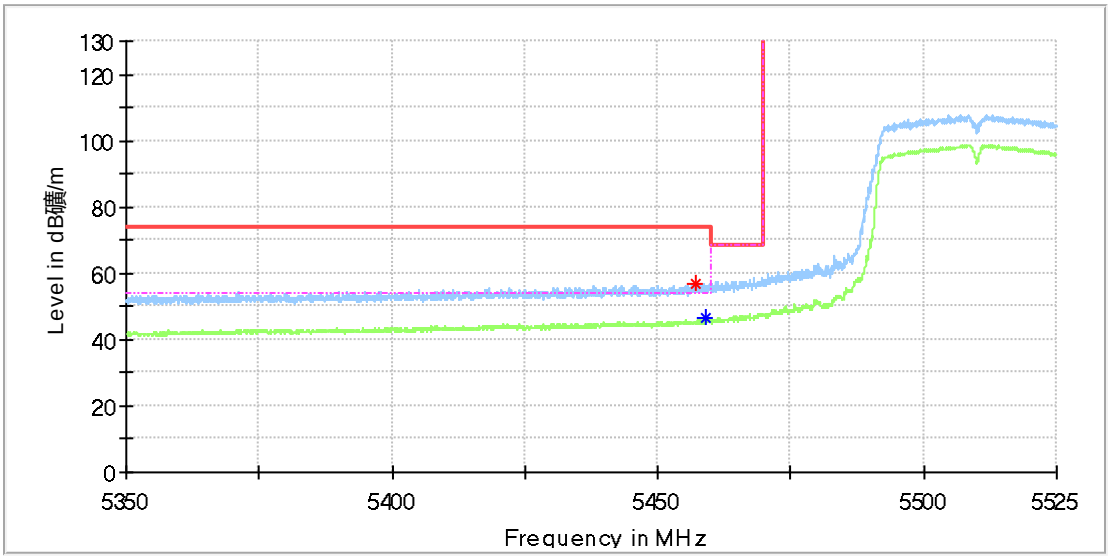
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	DET 2 (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5725.929167	60.22	---	74.00	13.78	100.0	V	214.0	14.5

802.11ac40:

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11ac_Ch102
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

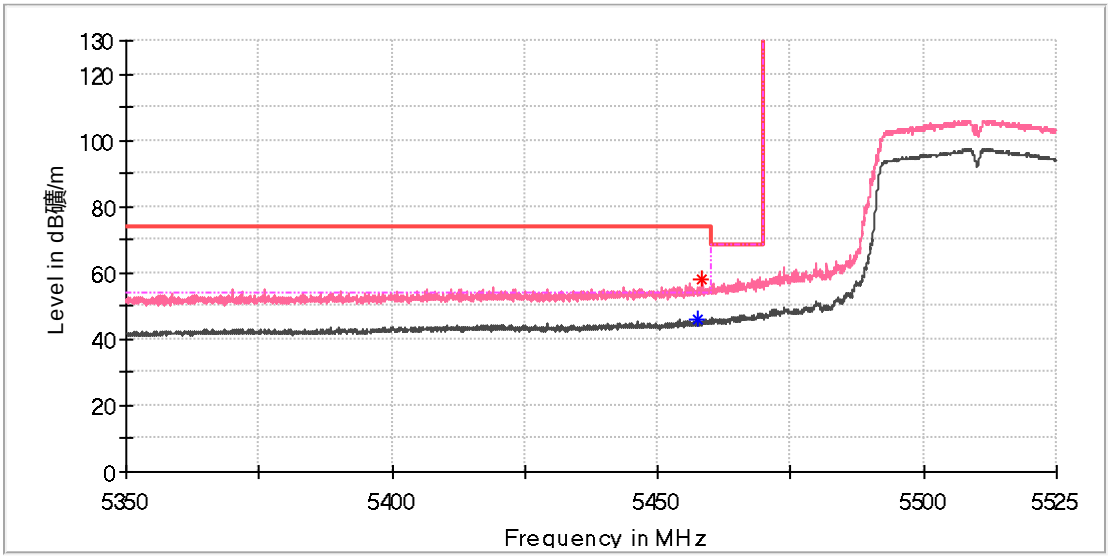


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5457.187500	57.03	---	74.00	16.97	100.0	H	163.0	14.3
5458.986111	---	46.36	54.00	7.64	100.0	H	163.0	14.3

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11ac_Ch102
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

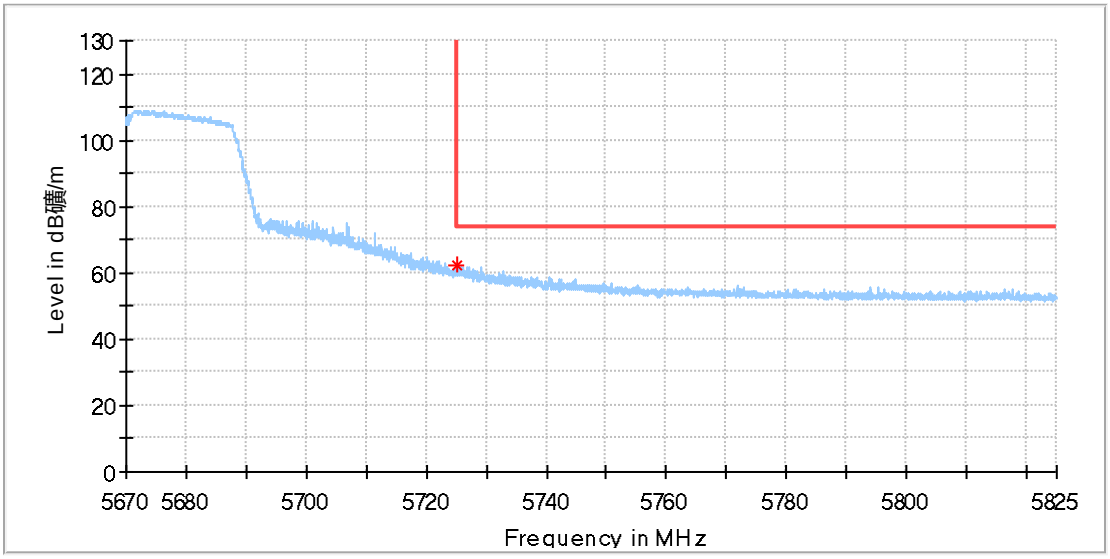


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5457.625000	---	46.10	54.00	7.90	100.0	V	178.0	14.3
5458.402778	57.85	---	74.00	16.15	100.0	V	178.0	14.3

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11ac_Ch134
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

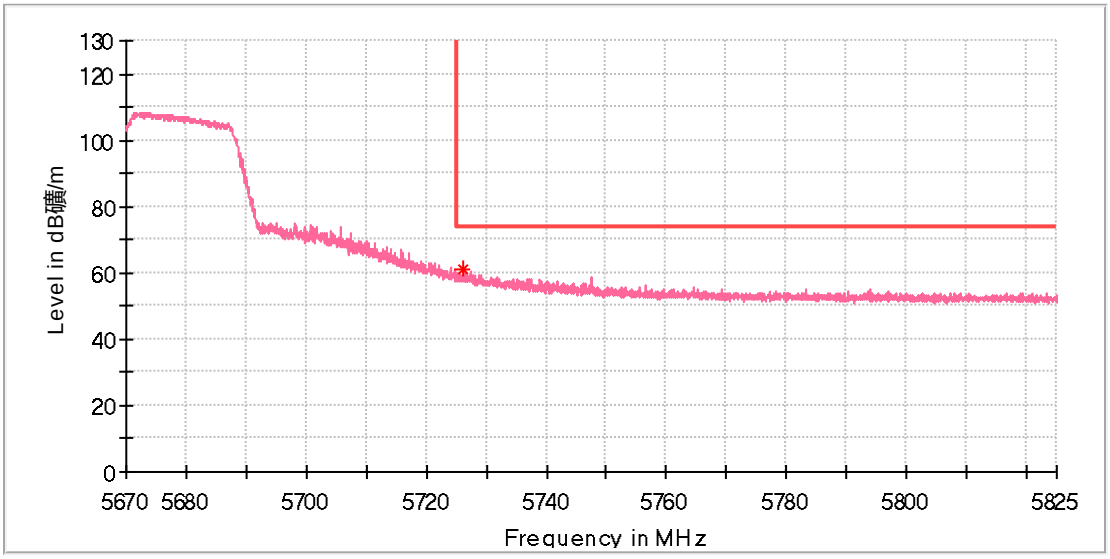


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	DET 2 (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5725.111111	62.25	---	74.00	11.75	100.0	H	158.0	14.5

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11ac_Ch134
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



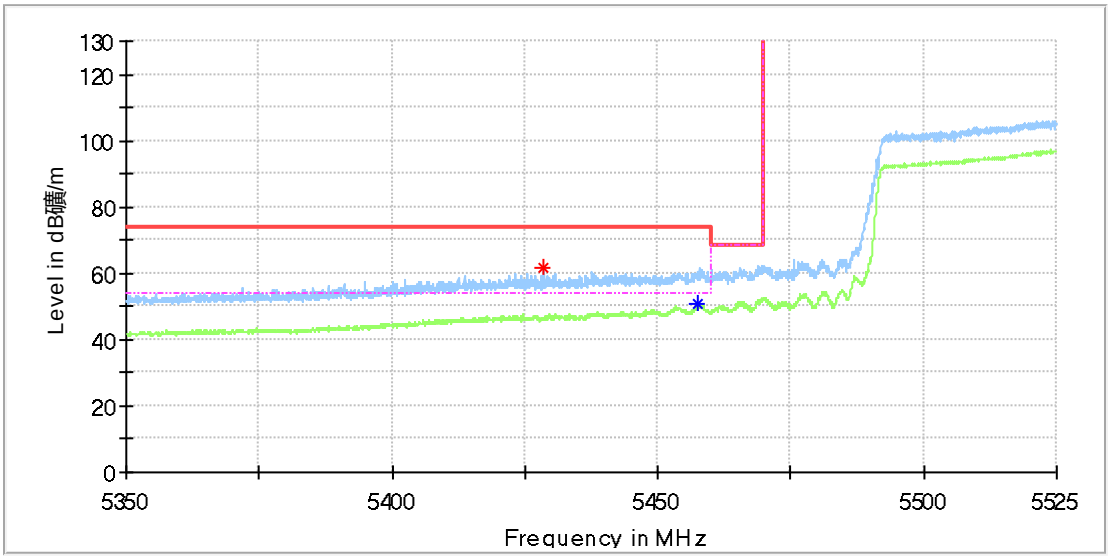
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	DET 2 (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5726.101389	61.20	---	74.00	12.80	100.0	V	217.0	14.5

802.11ac80:

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11ac_Ch106
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

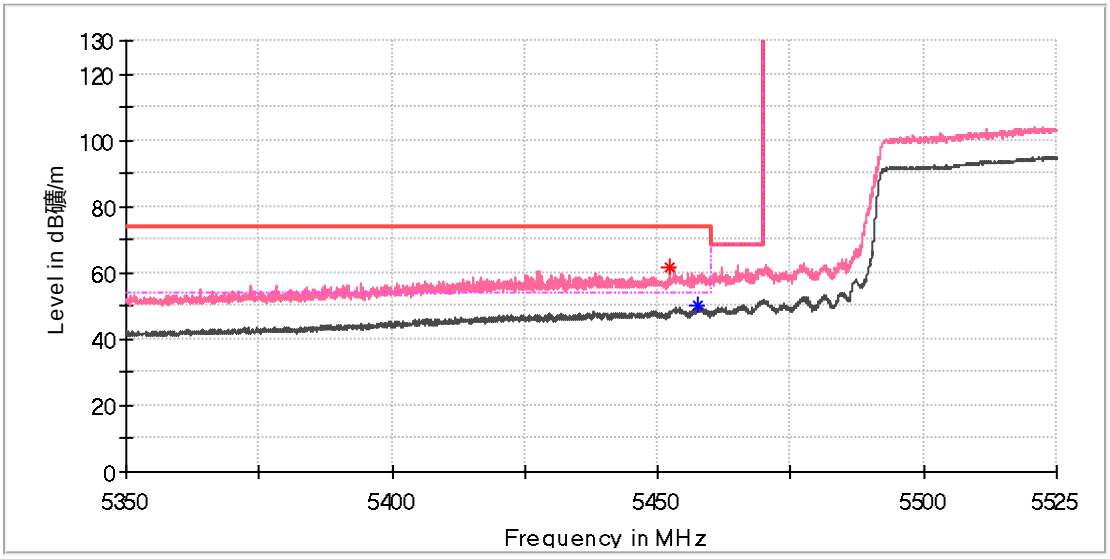


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5428.604167	61.94	---	74.00	12.06	100.0	H	146.0	14.3
5457.673611	---	50.52	54.00	3.48	100.0	H	146.0	14.3

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11ac_Ch106
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

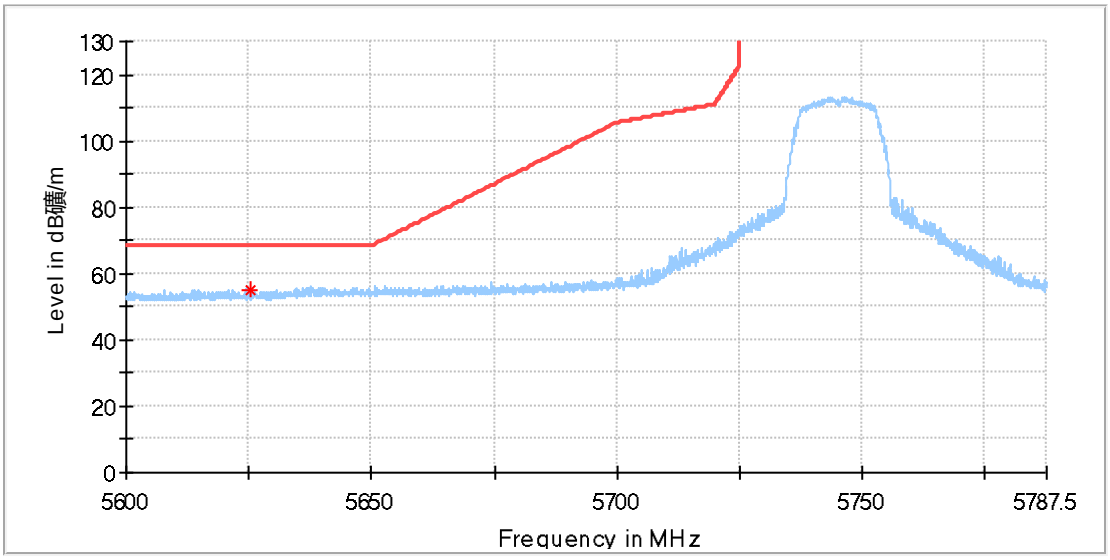
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5452.180556	61.78	---	74.00	12.22	100.0	V	184.0	14.3
5457.673611	---	49.98	54.00	4.02	100.0	V	184.0	14.3

7.4 Bandedge (U-NII-3 Band)

802.11a:

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11a_Ch149
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

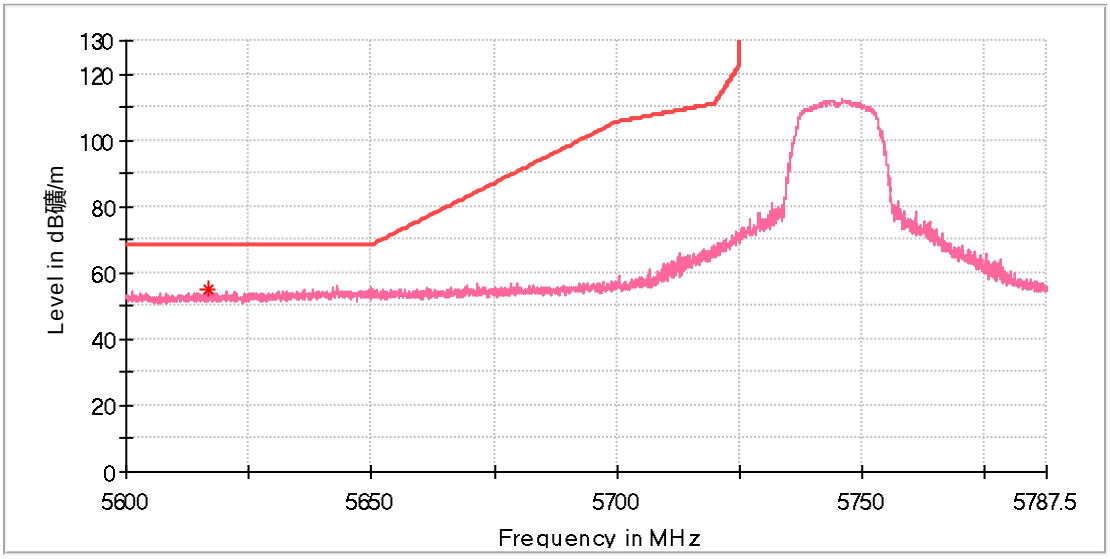


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	DET 2 (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5625.312500	55.31	---	68.20	12.89	100.0	H	266.0	14.3

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11a_Ch149
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

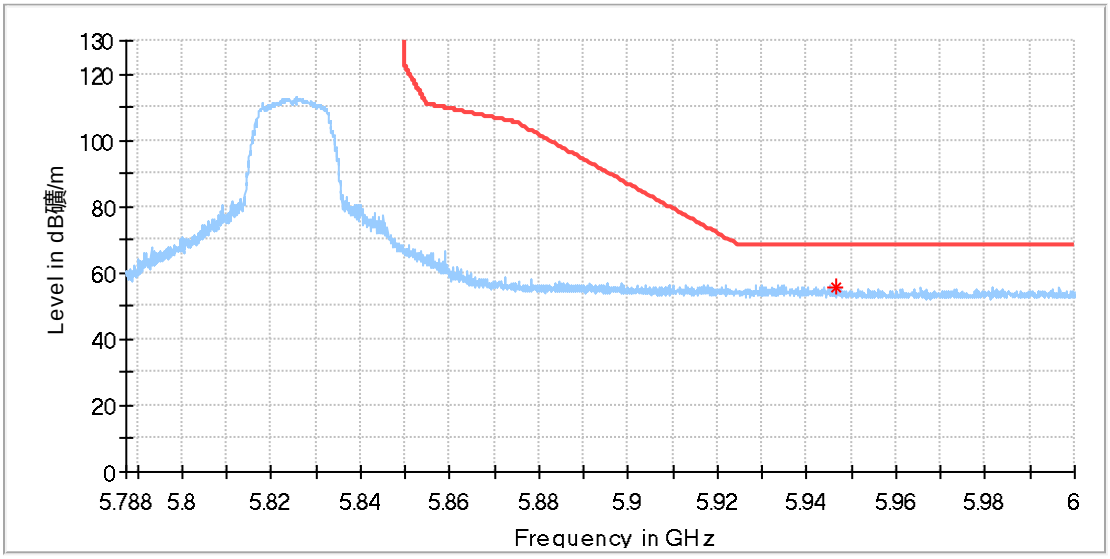


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	DET 2 (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5616.770833	54.80	---	68.20	13.40	100.0	V	174.0	14.3

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11a_Ch165
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

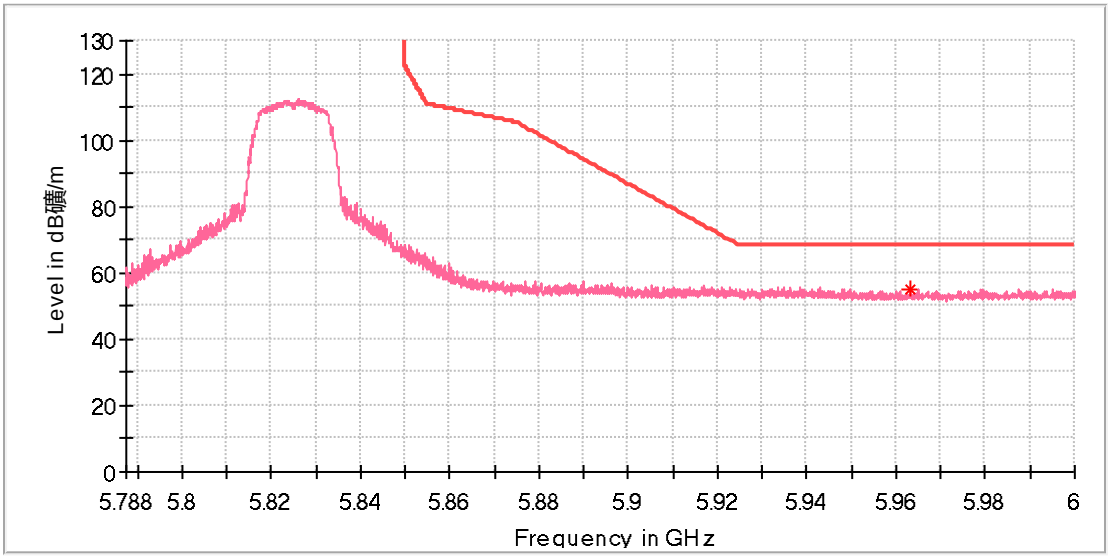


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	DET 2 (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5946.402778	55.43	---	68.20	12.77	100.0	H	318.0	15.5

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11a_Ch165
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



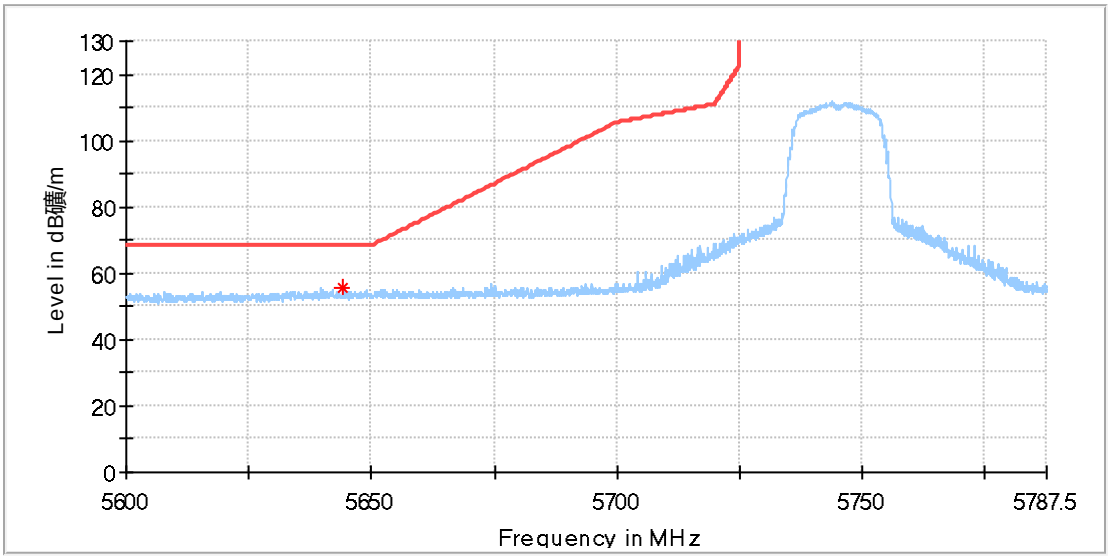
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	DET 2 (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5963.166667	55.26	---	68.20	12.94	100.0	V	275.0	15.6

802.11n-HT20:

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11n_Ch149
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

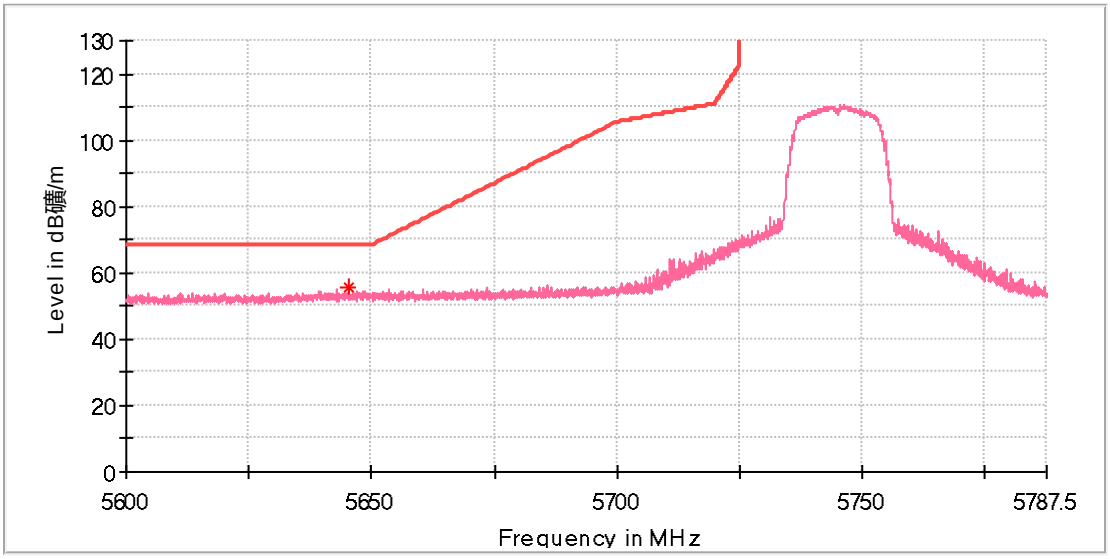


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	DET 2 (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5644.270833	55.71	---	68.20	12.49	100.0	H	252.0	14.3

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11n_Ch149
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

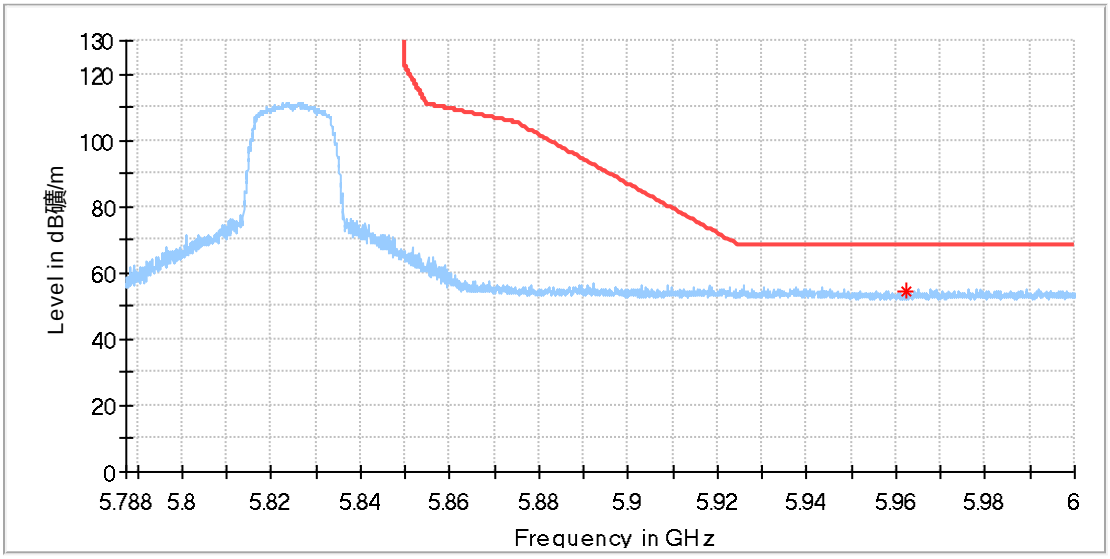


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	DET 2 (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5645.416667	55.85	---	68.20	12.35	100.0	V	137.0	14.3

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11n_Ch165
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

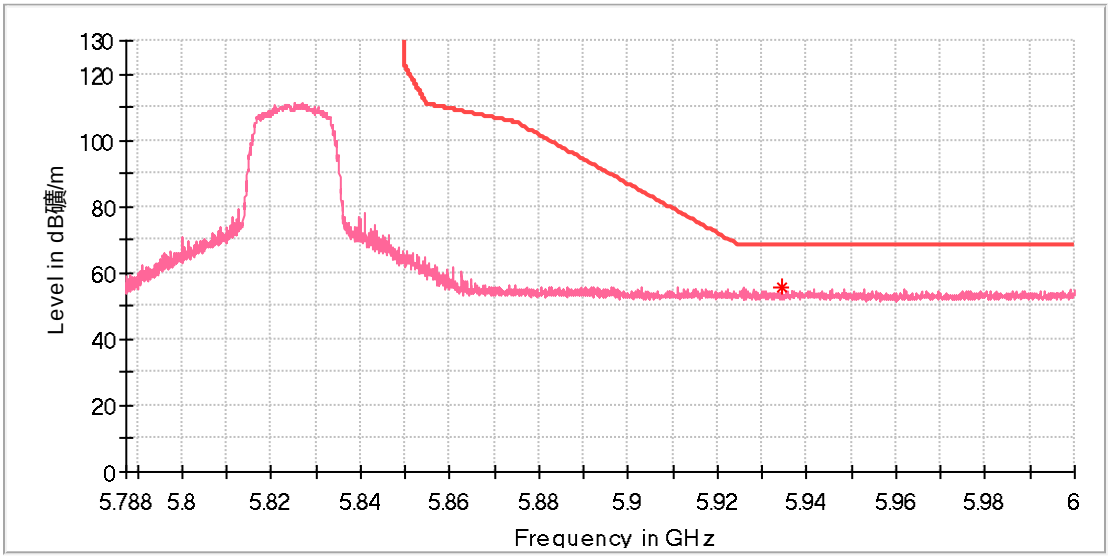


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	DET 2 (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5962.399306	54.58	---	68.20	13.62	100.0	H	255.0	15.6

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11n_Ch165
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



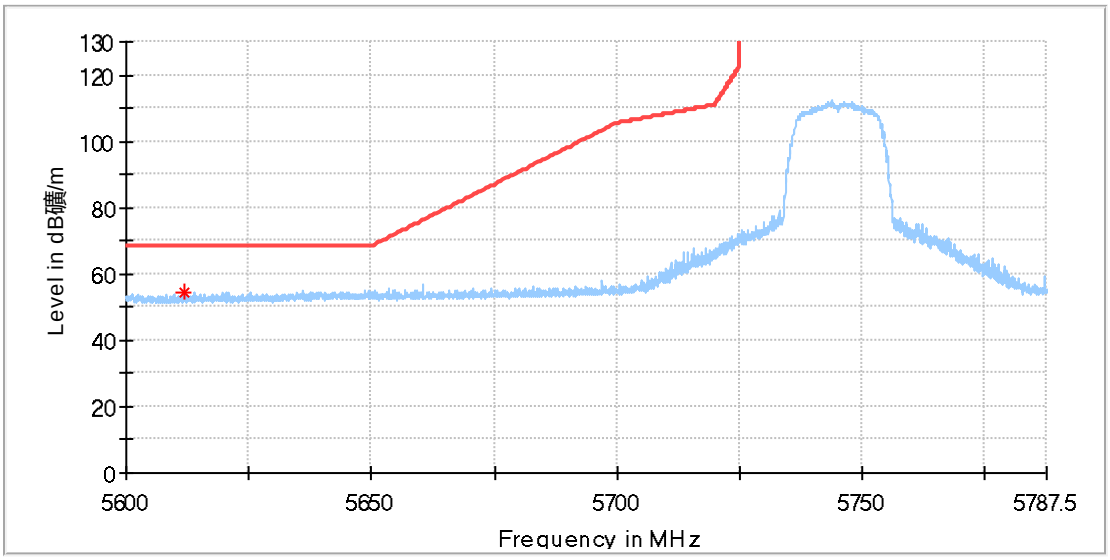
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	DET 2 (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5934.420139	55.48	---	68.20	12.72	100.0	V	182.0	15.4

802.11ac20:

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11ac_Ch149
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

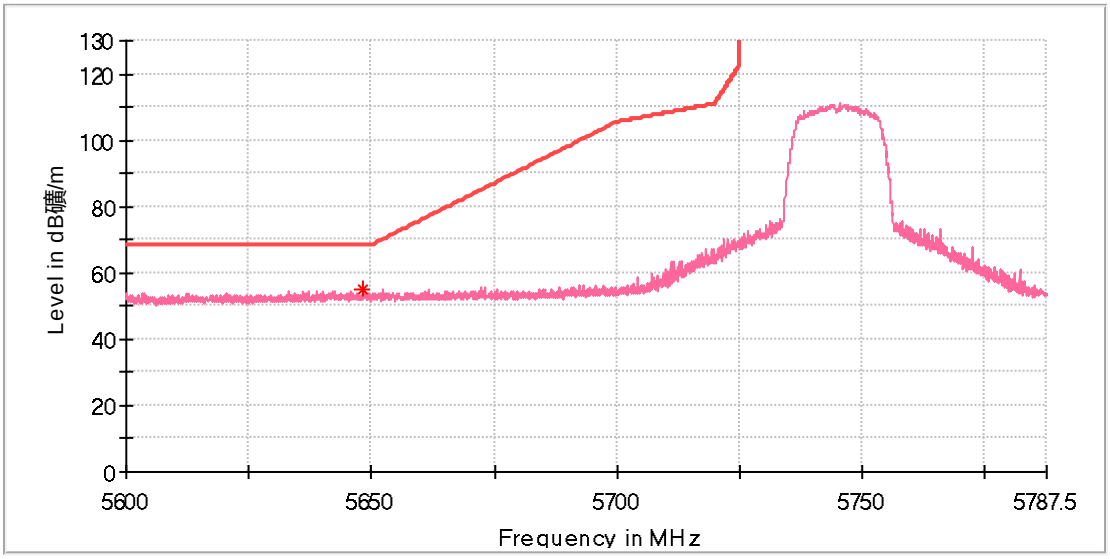


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	DET 2 (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5611.979167	54.24	---	68.20	13.96	100.0	H	0.0	14.3

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11ac_Ch149
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

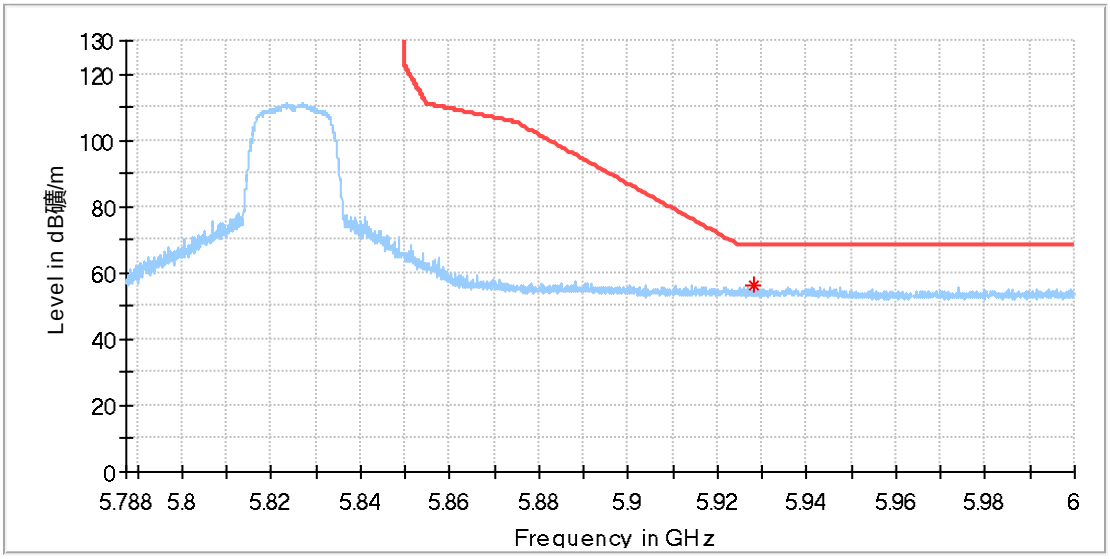


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	DET 2 (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5648.072917	55.20	---	68.20	13.00	100.0	V	213.0	14.3

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11ac_Ch165
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

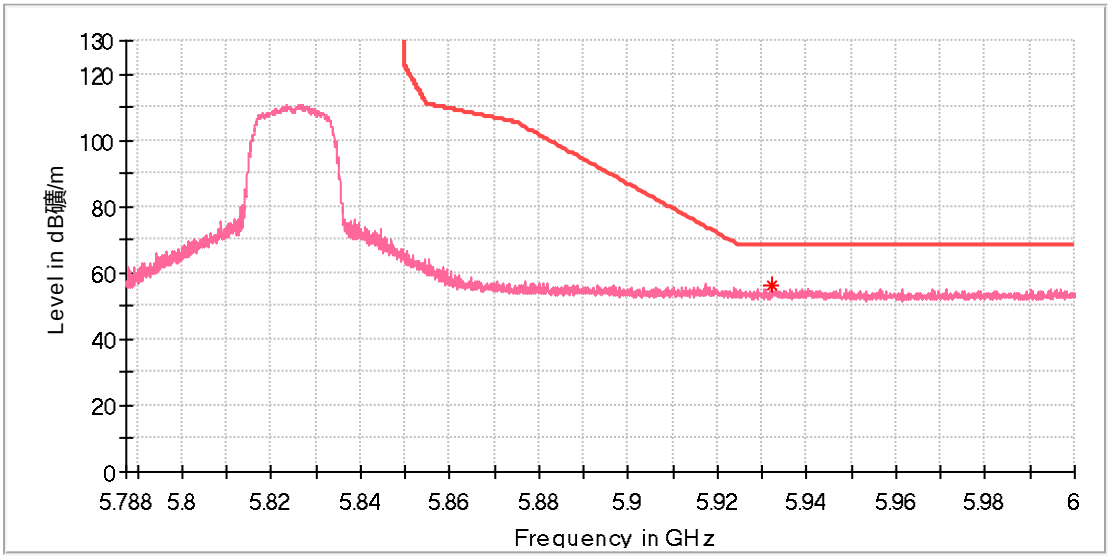


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	DET 2 (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5928.045139	56.14	---	68.20	12.06	100.0	H	215.0	15.4

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11ac_Ch165
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



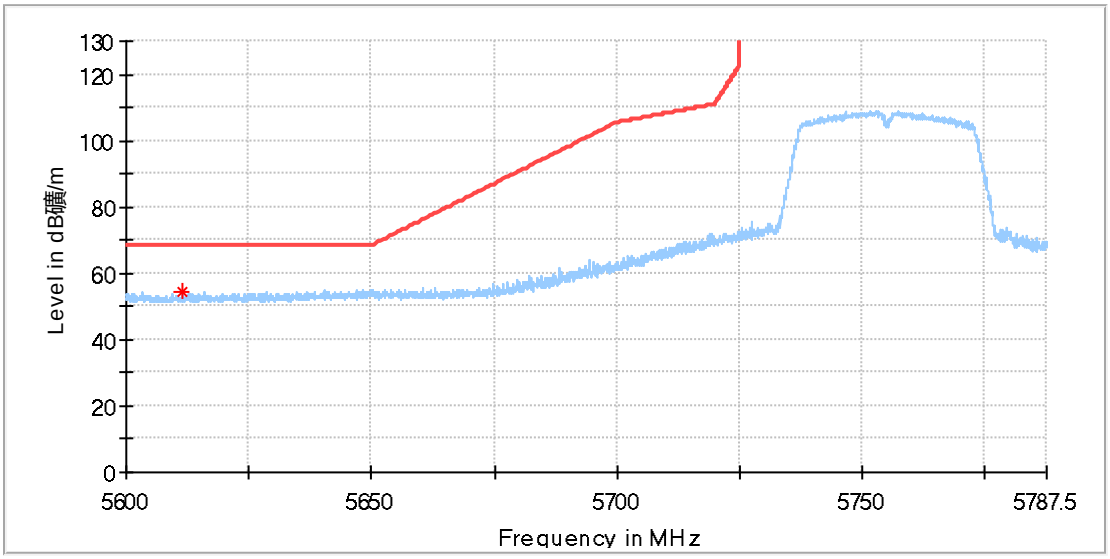
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	DET 2 (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5931.940972	55.95	---	68.20	12.25	100.0	V	211.0	15.4

802.11n-HT40:

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11n_Ch151
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

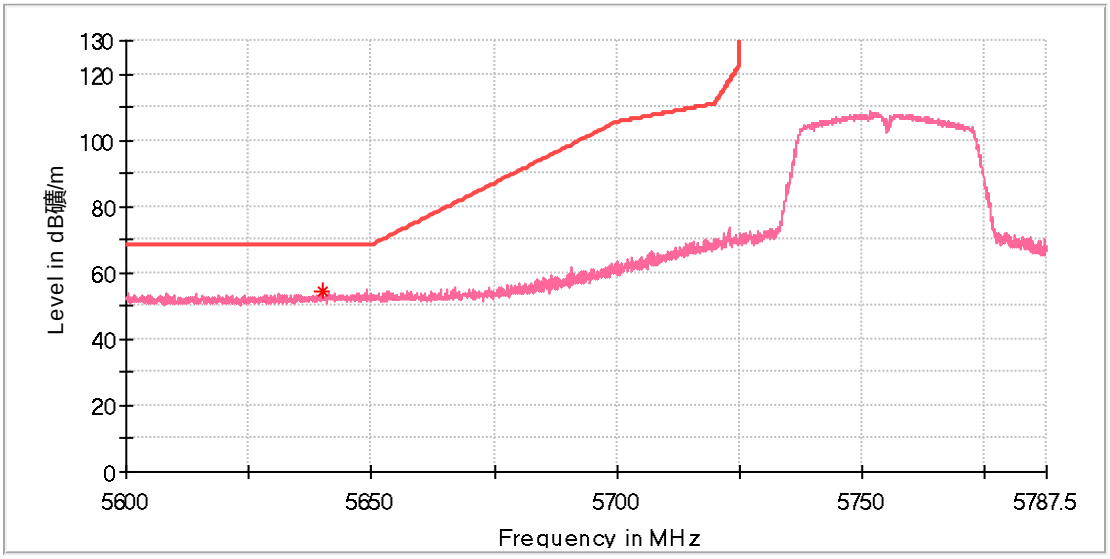


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	DET 2 (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5611.354167	54.64	---	68.20	13.56	100.0	H	150.0	14.3

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11n_Ch151
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

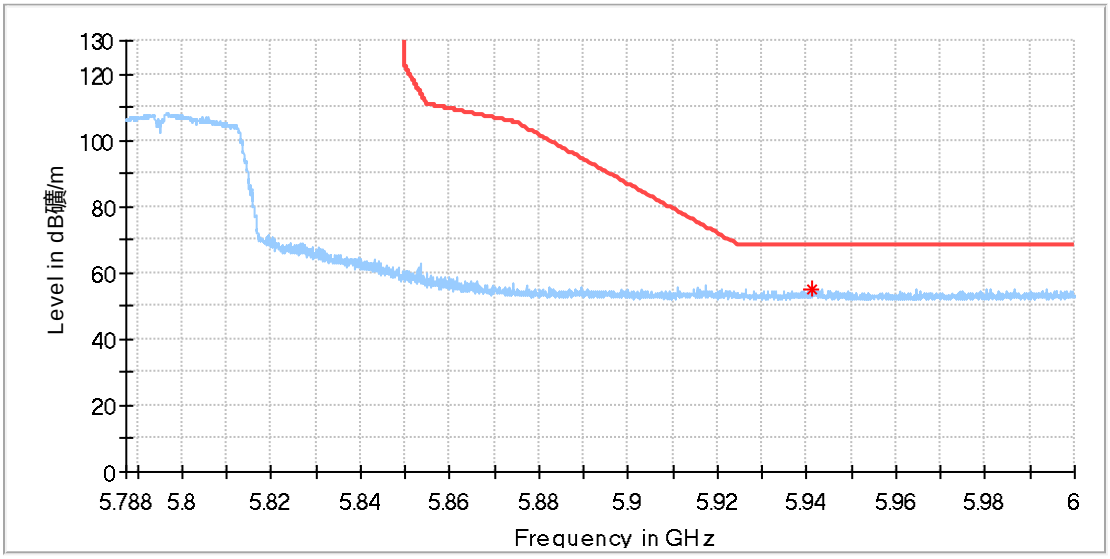


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	DET 2 (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5640.052083	54.38	---	68.20	13.82	100.0	V	145.0	14.3

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11n_Ch159
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

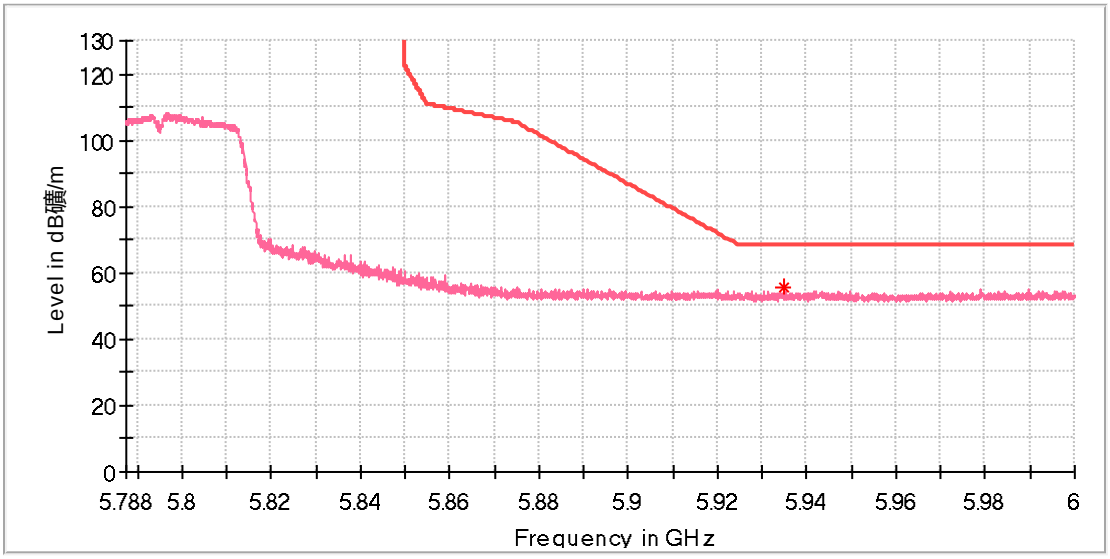


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	DET 2 (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5941.326389	55.08	---	68.20	13.12	100.0	H	350.0	15.5

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11n_Ch159
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



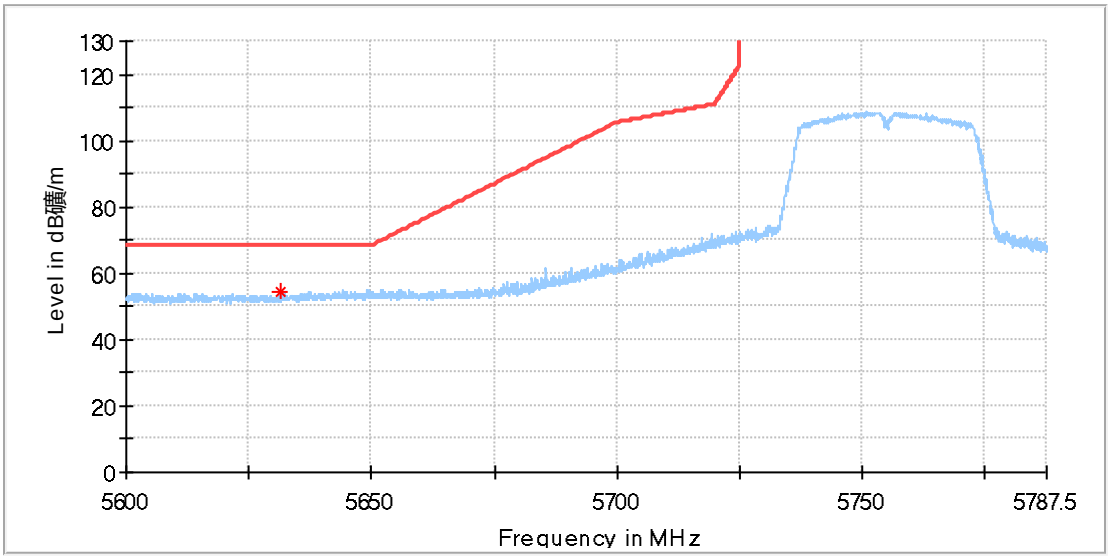
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	DET 2 (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5934.833333	55.80	---	68.20	12.40	100.0	V	138.0	15.4

802.11ac40:

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11ac_Ch151
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

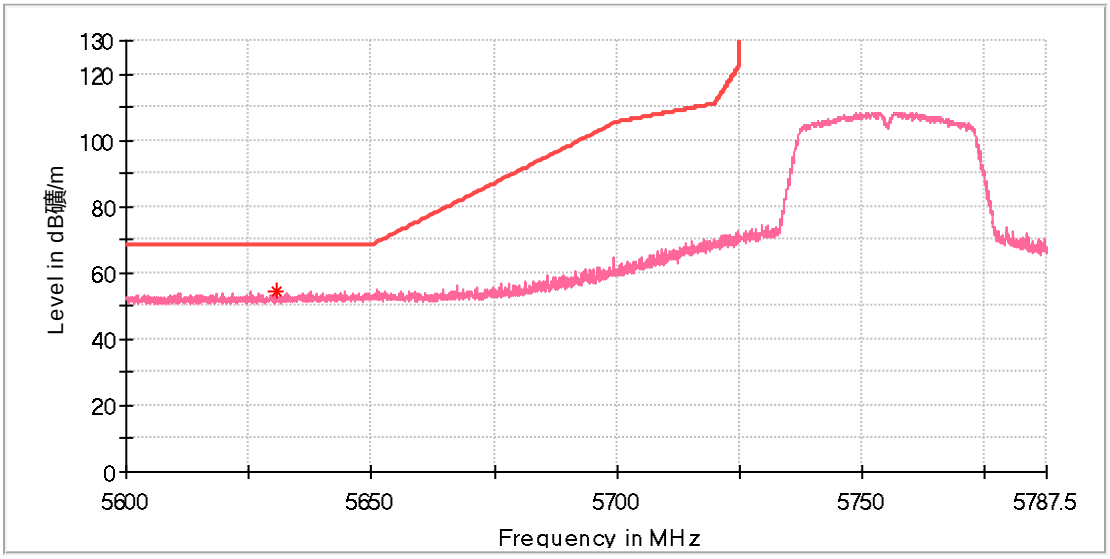


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	DET 2 (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5631.458333	54.64	---	68.20	13.56	100.0	H	234.0	14.3

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11ac_Ch151
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

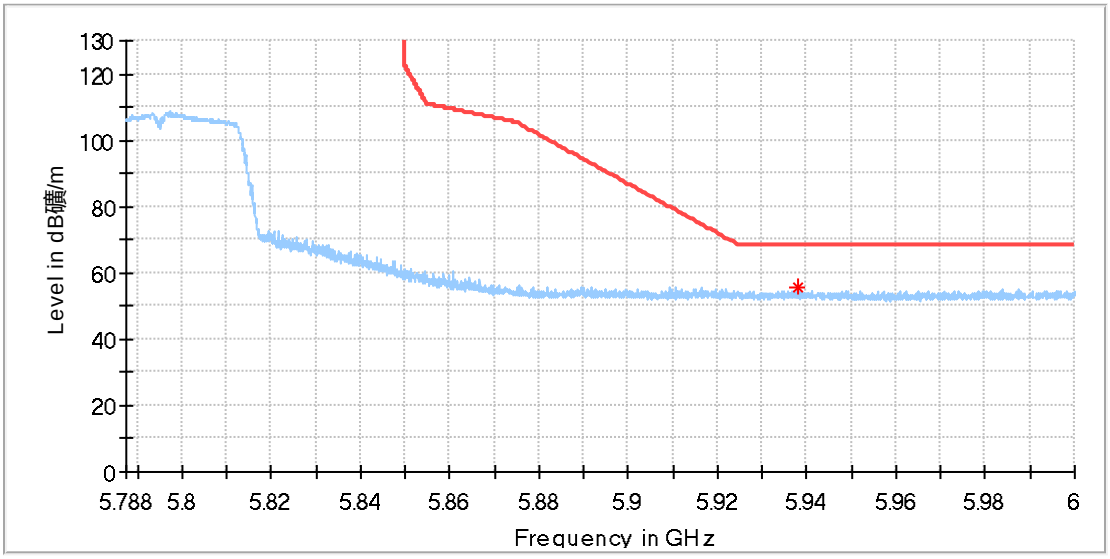


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	DET 2 (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5630.572917	54.54	---	68.20	13.66	100.0	V	226.0	14.3

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11ac_Ch159
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

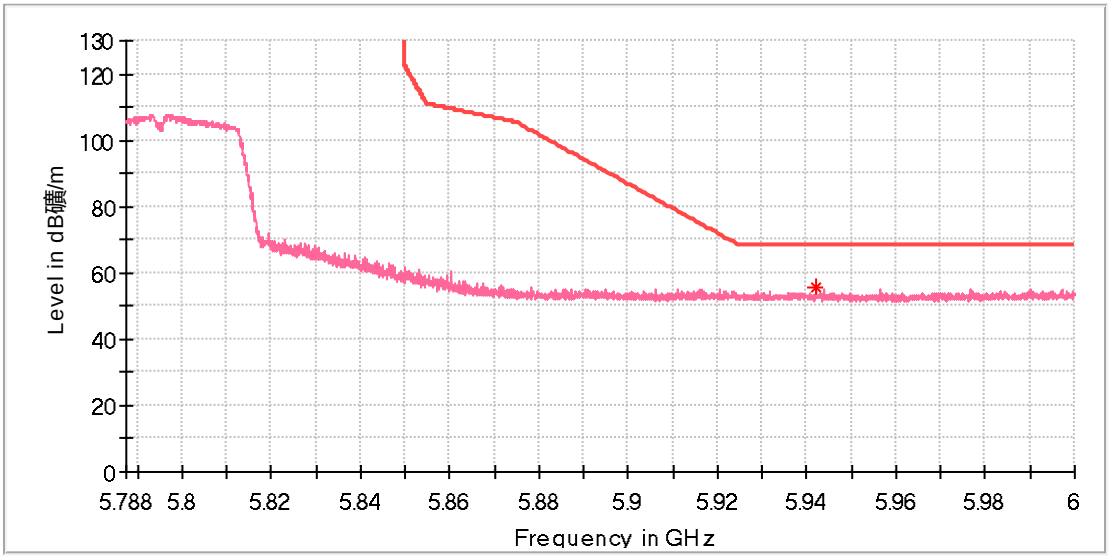


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	DET 2 (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5937.784722	55.85	---	68.20	12.35	100.0	H	229.0	15.4

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11ac_Ch159
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



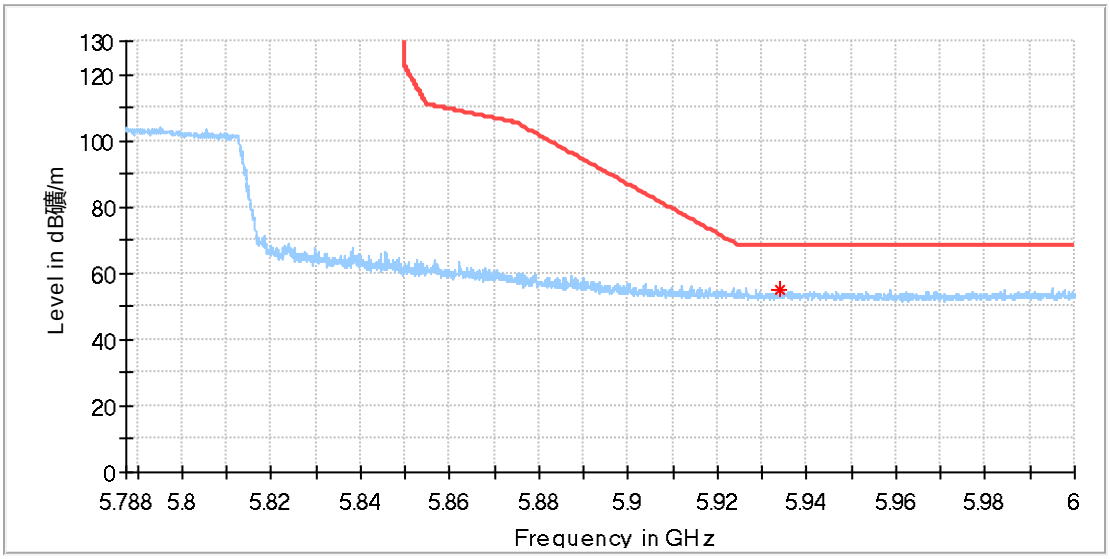
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	DET 2 (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5942.152778	55.53	---	68.20	12.67	100.0	V	202.0	15.5

802.11ac80:

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11ac_Ch155
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

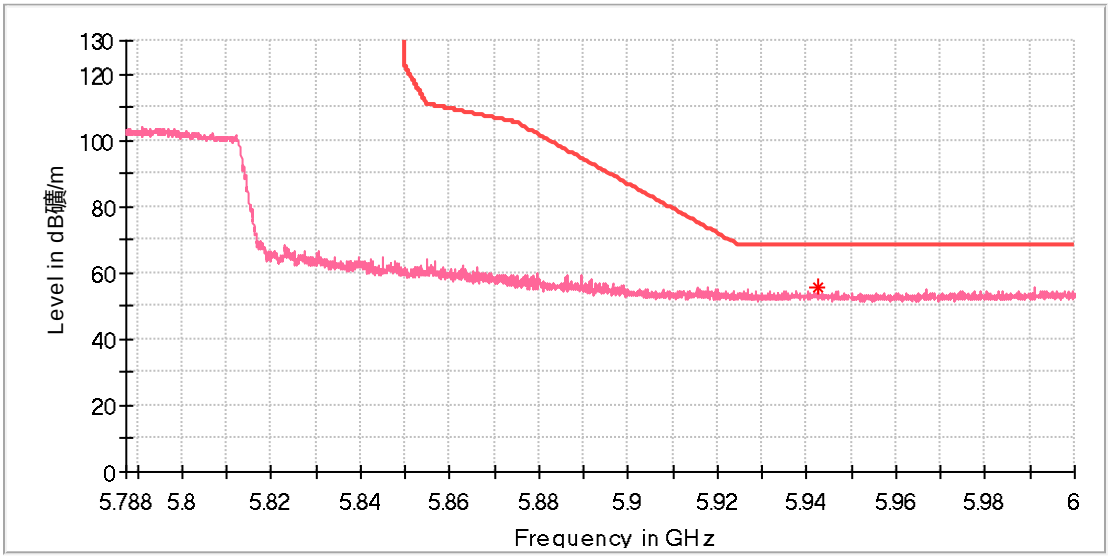


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	DET 2 (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5934.065972	54.90	---	68.20	13.30	100.0	H	161.0	15.4

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	Wi-Fi 5G 11ac_Ch155
Test Voltage::	AC 120V/60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	DET 2 (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5942.388889	55.58	---	68.20	12.62	100.0	V	140.0	15.5

8. Frequency Stability

Test Mode：802.11a Mode					
Frequency（MHz）	Voltage（Vdc）	Temperature（℃）	Measurement Frequency (MHz)	Frequency deviation（Hz）	ppm
5180	12	-10	5179.96412	-0.035879	-6.9264
		0	5179.9651	-0.034902	-6.7378
		10	5179.96521	-0.034788	-6.7158
		20	5179.965	-0.034997	-6.7562
		30	5179.96543	-0.034567	-6.6732
		40	5179.96525	-0.034755	-6.7095
		50	5179.96636	-0.033644	-6.495
	10.8	25	5179.96654	-0.033457	-6.4589
	13.2	25	5179.96745	-0.032547	-6.2832

Test Mode：802.11a Mode					
Frequency（MHz）	Voltage（Vdc）	Temperature（℃）	Measurement Frequency (MHz)	Frequency deviation（Hz）	ppm
5320	12	-10	5319.96613	-0.033874	-6.3673
		0	5319.96732	-0.032676	-6.1421
		10	5319.96745	-0.032555	-6.1194
		20	5319.96734	-0.032657	-6.1385
		30	5319.96737	-0.032633	-6.134
		40	5319.96846	-0.031538	-5.9282
		50	5319.96831	-0.031689	-5.9566
	10.8	25	5319.96821	-0.031787	-5.975
	13.2	25	5319.96832	-0.031676	-5.9541

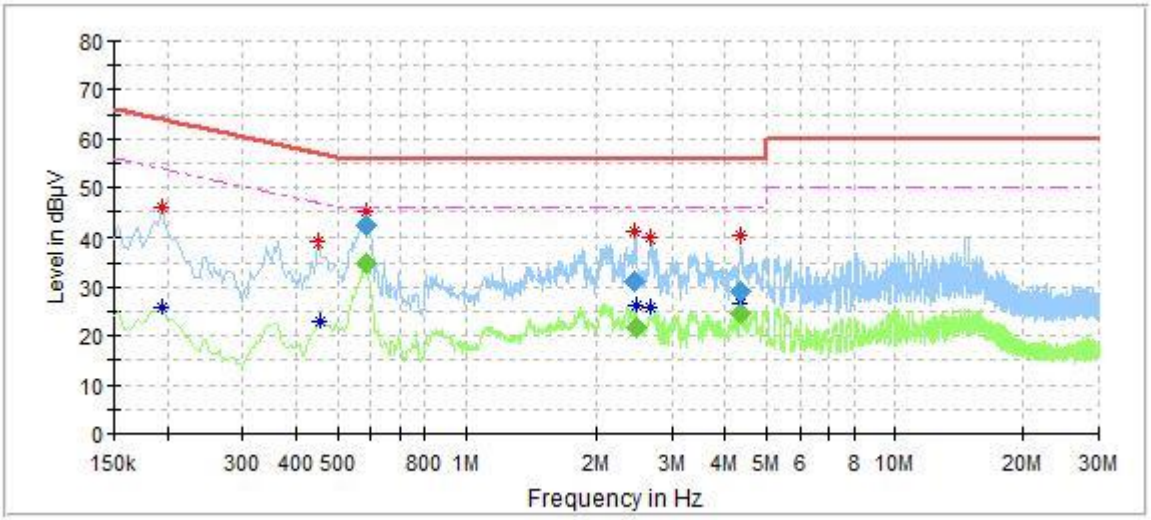
Test Mode：802.11a Mode					
Frequency（MHz）	Voltage（Vdc）	Temperature（℃）	Measurement Frequency (MHz)	Frequency deviation（Hz）	ppm
5500	12	-10	5499.96832	-0.031676	-5.7593
		0	5499.96734	-0.032656	-5.9375
		10	5499.96632	-0.033676	-6.1229
		20	5499.96865	-0.031346	-5.6993
		30	5499.96844	-0.031562	-5.7385
		40	5499.96744	-0.032557	-5.9195
		50	5499.96937	-0.030633	-5.5696
	10.8	25	5499.96866	-0.031345	-5.6991
	13.2	25	5499.96834	-0.031658	-5.756

Test Mode：802.11a Mode					
Frequency（MHz）	Voltage（Vdc）	Temperature（℃）	Measurement Frequency (MHz)	Frequency deviation（Hz）	ppm
5825	12	-10	5824.96769	-0.032311	-5.547
		0	5824.96776	-0.032237	-5.5342
		10	5824.96755	-0.03245	-5.5708
		20	5824.96732	-0.032677	-5.6098
		30	5824.96745	-0.032554	-5.5887
		40	5824.96856	-0.031436	-5.3967
		50	5824.96828	-0.031722	-5.4458
	10.8	25	5824.96733	-0.032666	-5.6079
	13.2	25	5824.96727	-0.032733	-5.6194

9. Conducted Emissions

EUT Information

EUT Name:	Digital media receiver
Order No.:	B7W644
Model:	168152729 360
Test Mode:	Working
Test Voltage:	AC 120V/60Hz
Test By:	Charlie Wang
Review By:	Gary Chen

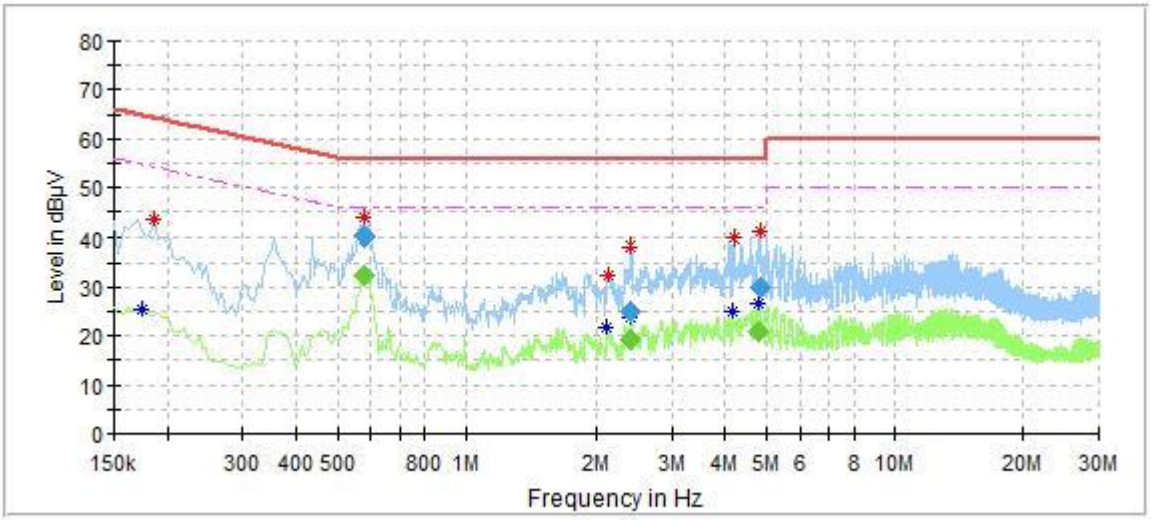


Critical_Freqs

Frequency (MHz)	Max Peak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.194000	---	25.68	53.86	28.18	L1	9.6
0.194000	45.80	---	63.86	18.07	L1	9.6
0.450000	39.13	---	56.88	17.74	L1	9.7
0.458000	---	22.78	46.73	23.95	L1	9.7
0.583500	---	34.41	46.00	11.59	L1	9.7
0.583500	45.04	---	56.00	10.96	L1	9.7
2.463500	40.84	---	56.00	15.16	L1	9.8
2.472500	---	26.34	46.00	19.66	L1	9.8
2.672000	---	25.80	46.00	20.20	L1	9.8
2.676000	39.60	---	56.00	16.40	L1	9.8
4.331500	---	26.80	46.00	19.20	L1	9.8
4.340500	40.37	---	56.00	15.63	L1	9.8

Final_Result

Frequency (MHz)	Quasi Peak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.583500	---	34.92	46.00	11.08	200.0	9.000	L1	9.7
0.583500	42.08	---	56.00	13.92	200.0	9.000	L1	9.7
2.463500	31.22	---	56.00	24.78	200.0	9.000	L1	9.8
2.472500	---	21.80	46.00	24.20	200.0	9.000	L1	9.8
4.331500	---	24.45	46.00	21.55	200.0	9.000	L1	9.8
4.340500	28.98	---	56.00	27.02	200.0	9.000	L1	9.8



Critical_Freqs

Frequency (MHz)	Max Peak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.174000	---	25.44	54.77	29.32	N	9.6
0.186000	43.47	---	64.21	20.74	N	9.6
0.575500	43.96	---	56.00	12.04	N	9.7
0.579500	---	32.87	46.00	13.13	N	9.7
2.108000	---	21.79	46.00	24.21	N	9.7
2.124000	32.43	---	56.00	23.57	N	9.7
2.407500	38.12	---	56.00	17.88	N	9.8
2.411500	---	23.93	46.00	22.07	N	9.8
4.176000	---	24.92	46.00	21.08	N	9.8
4.196000	39.66	---	56.00	16.34	N	9.8
4.776500	---	26.50	46.00	19.50	N	9.9
4.855500	40.86	---	56.00	15.14	N	9.9

Final_Result

Frequency (MHz)	Quasi Peak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.575500	40.05	---	56.00	15.95	200.0	9.000	N	9.7
0.579500	---	32.55	46.00	13.45	200.0	9.000	N	9.7
2.407500	25.06	---	56.00	30.94	200.0	9.000	N	9.8
2.411500	---	19.43	46.00	26.57	200.0	9.000	N	9.8
4.776500	---	21.11	46.00	24.89	200.0	9.000	N	9.9
4.855500	29.85	---	56.00	26.15	200.0	9.000	N	9.9