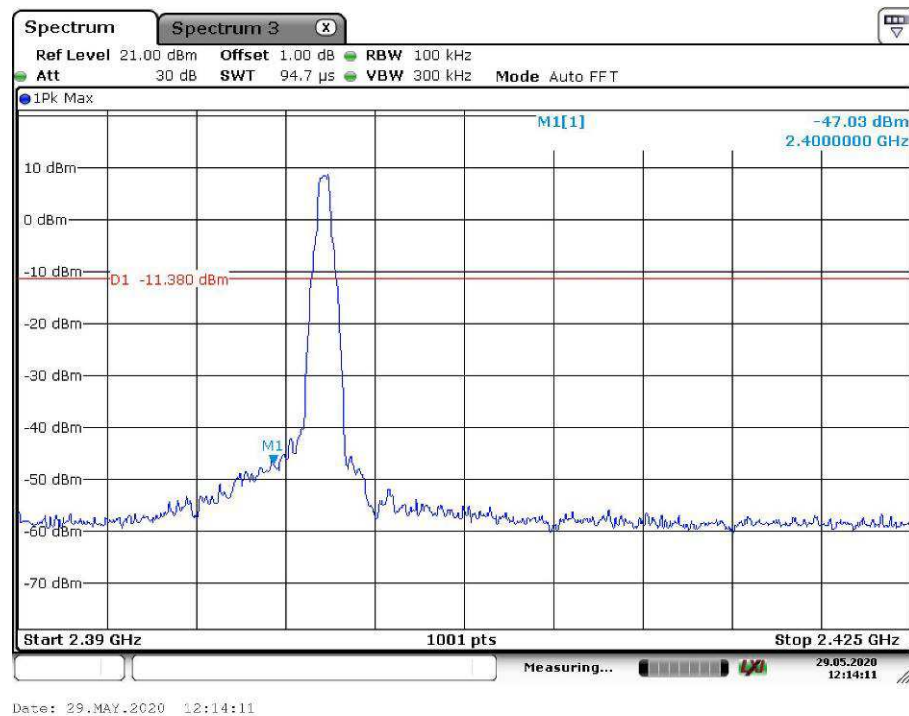
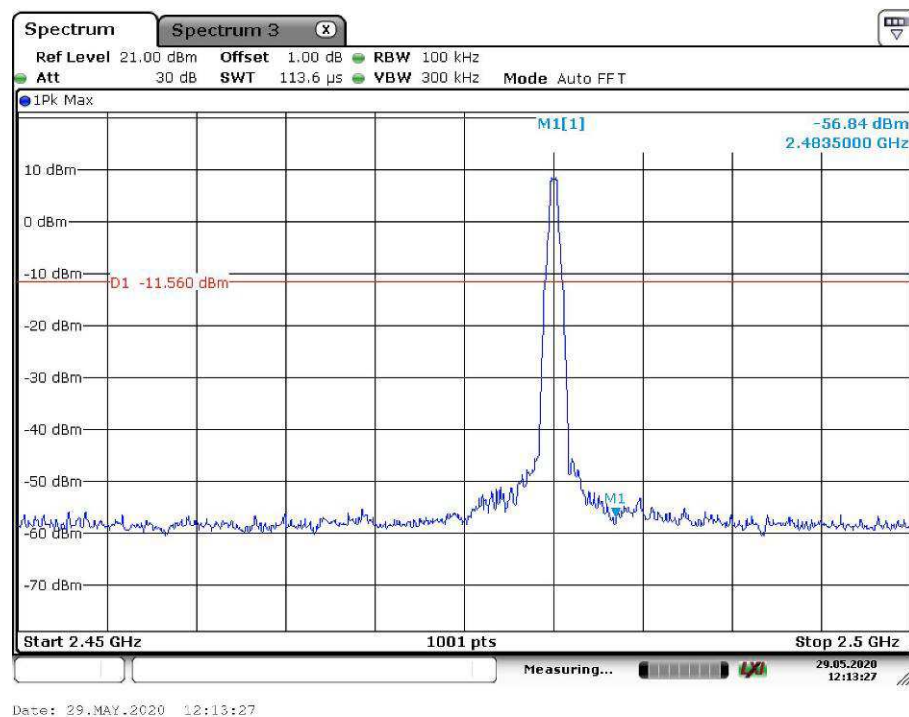


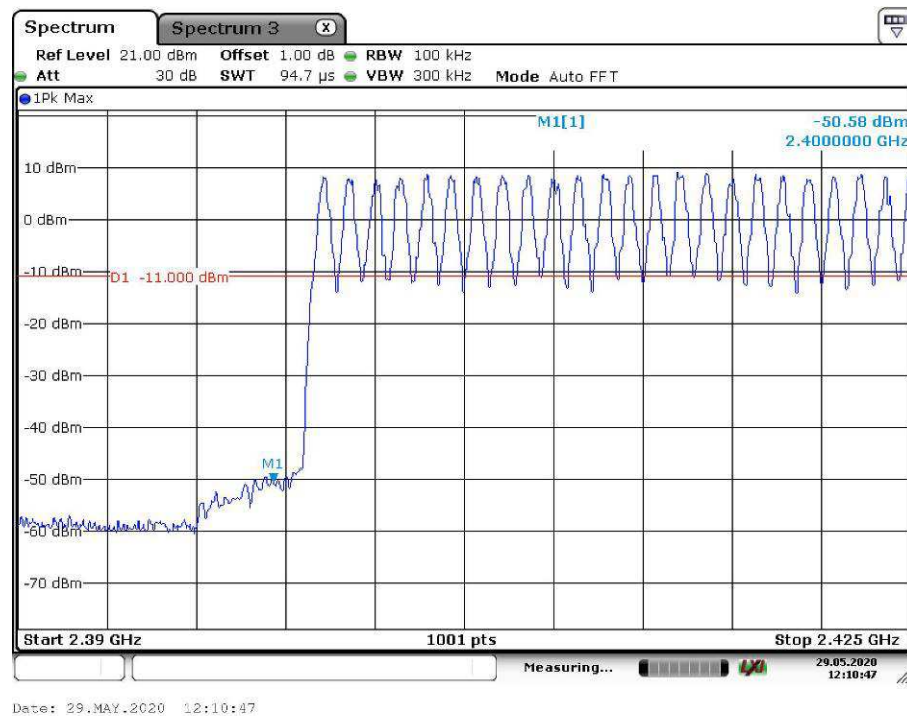
Band Edge, Low Channel



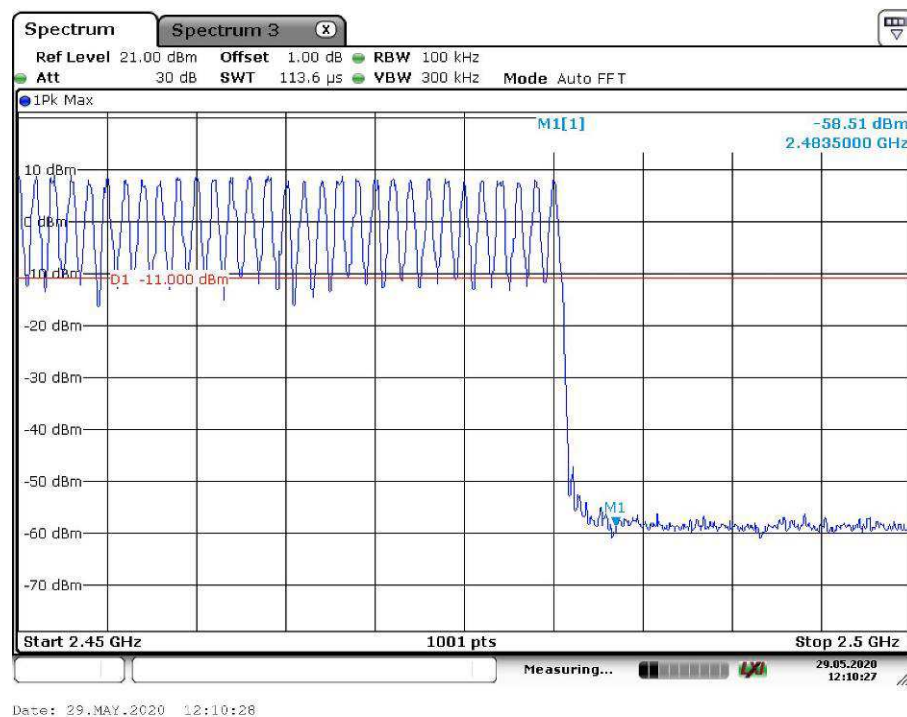
Band Edge, High Channel



Band Edge, Hopping Mode, Low Channel

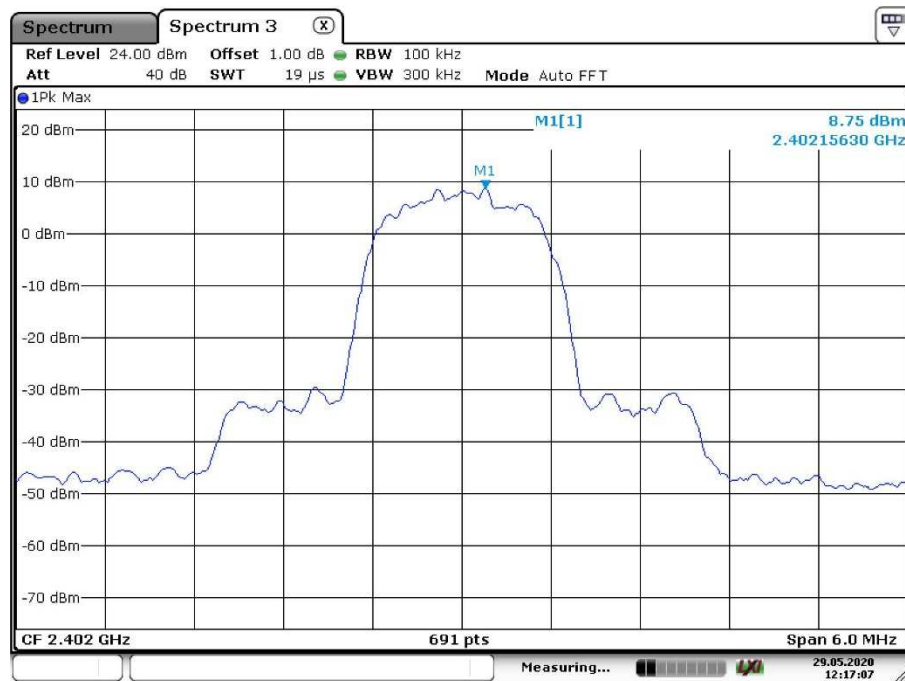


Band Edge, Hopping Mode, High Channel

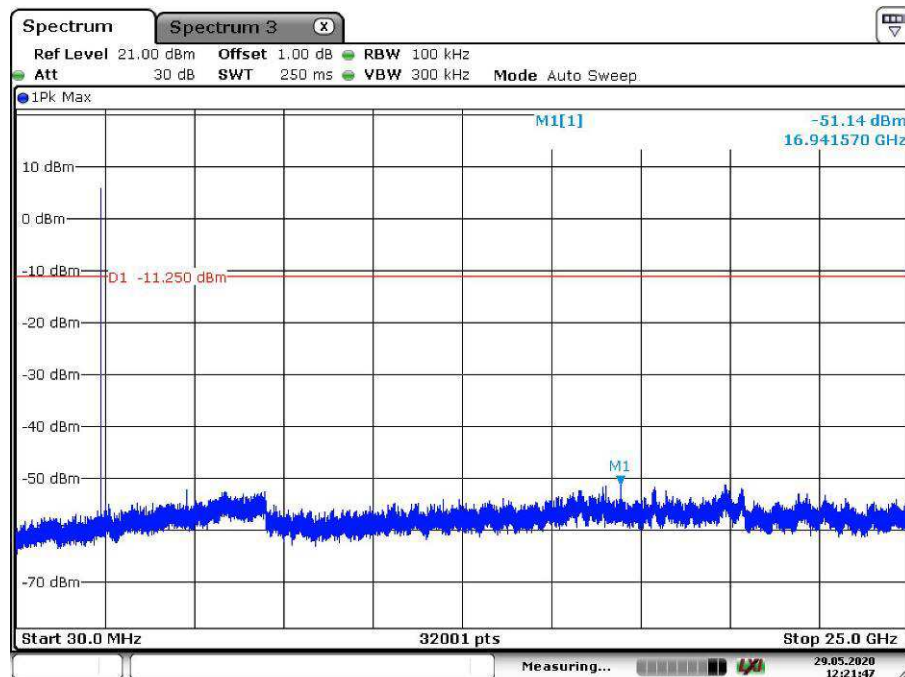


EDR mode (8DPSK)

Low Channel

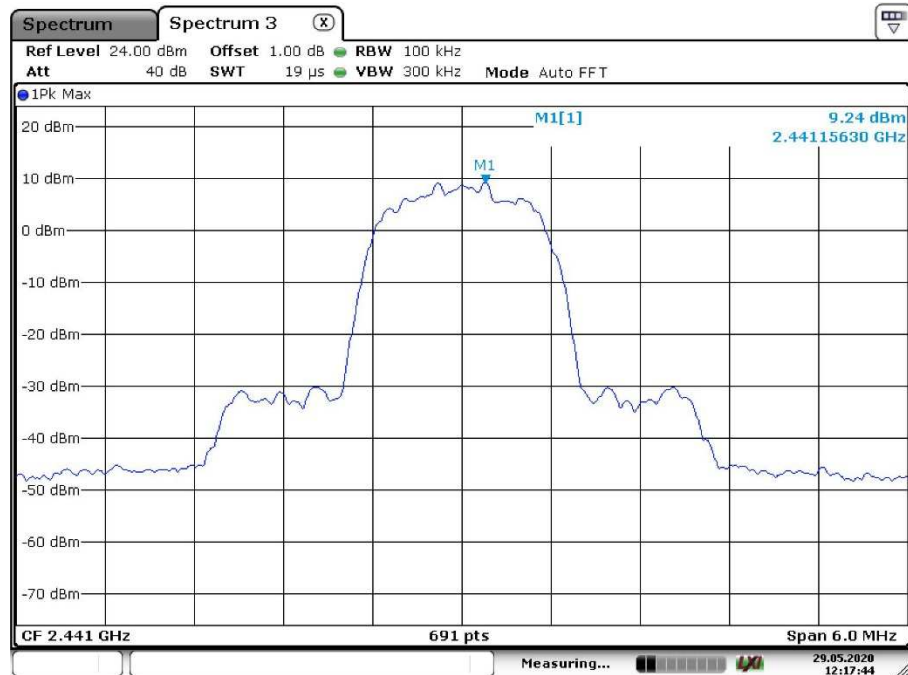


Date: 29.MAY.2020 12:17:07

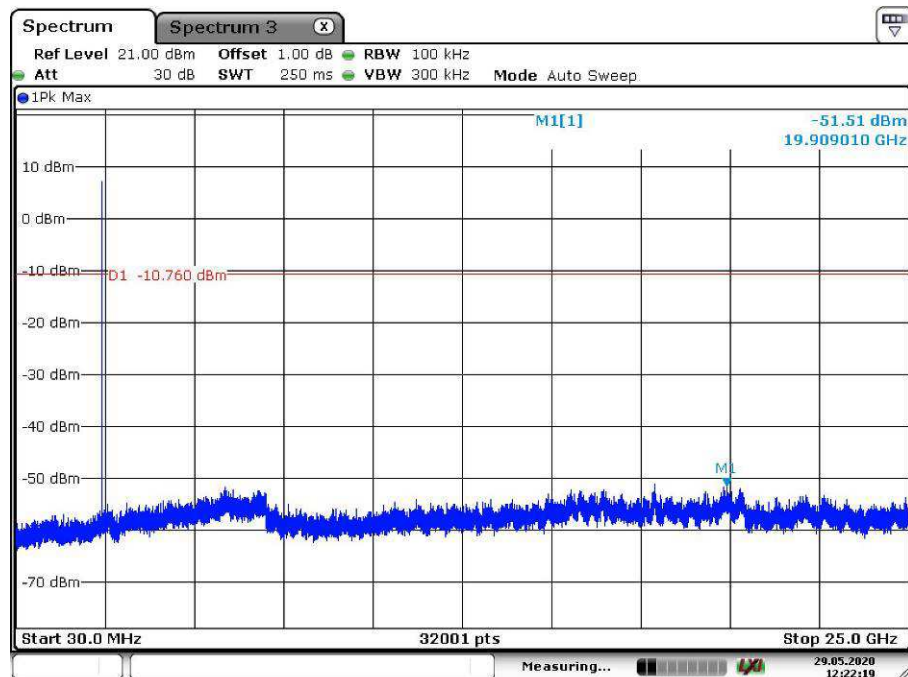


Date: 29.MAY.2020 12:21:48

Middle Channel

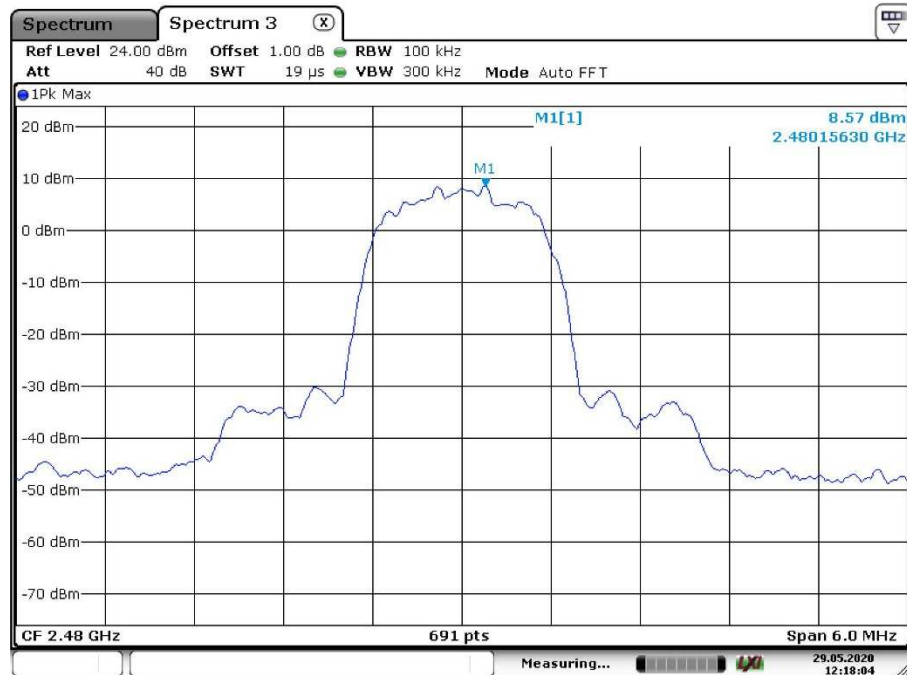


Date: 29.MAY.2020 12:17:44

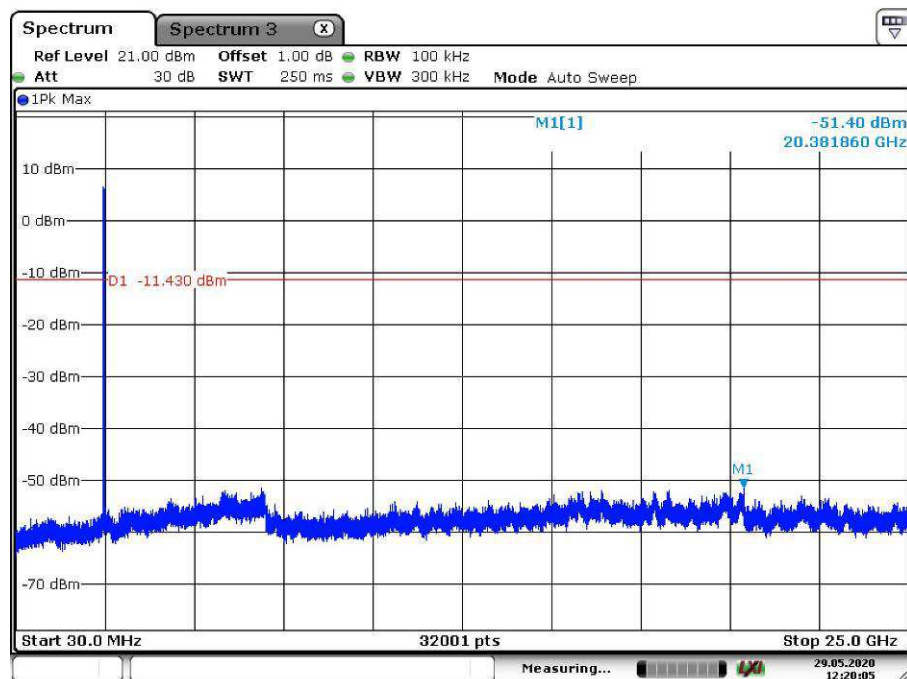


Date: 29.MAY.2020 12:22:19

High Channel

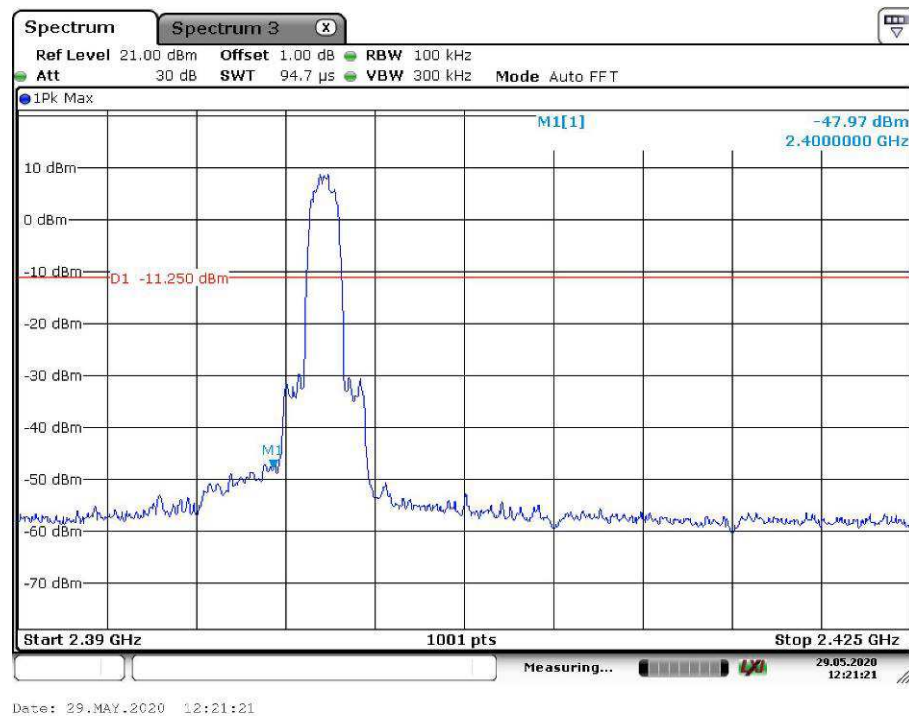


Date: 29.MAY.2020 12:18:04

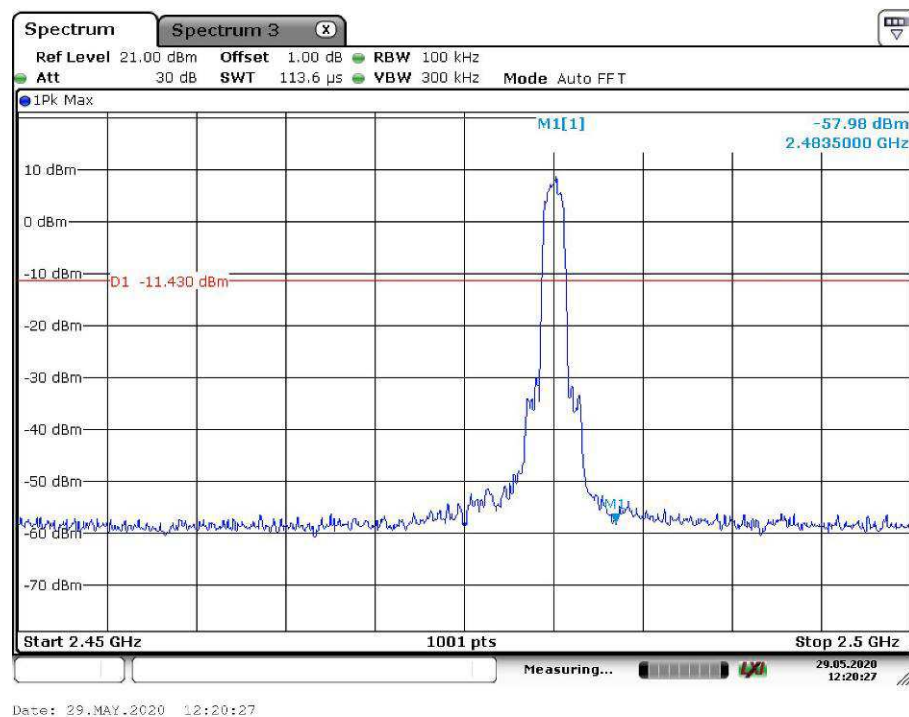


Date: 29.MAY.2020 12:20:05

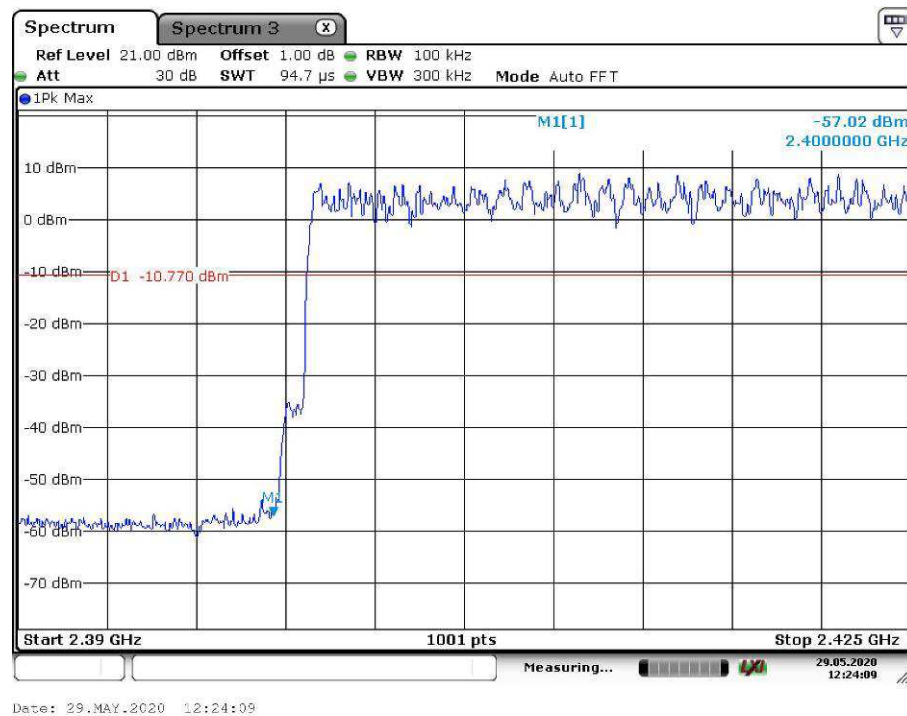
Band Edge, Low Channel



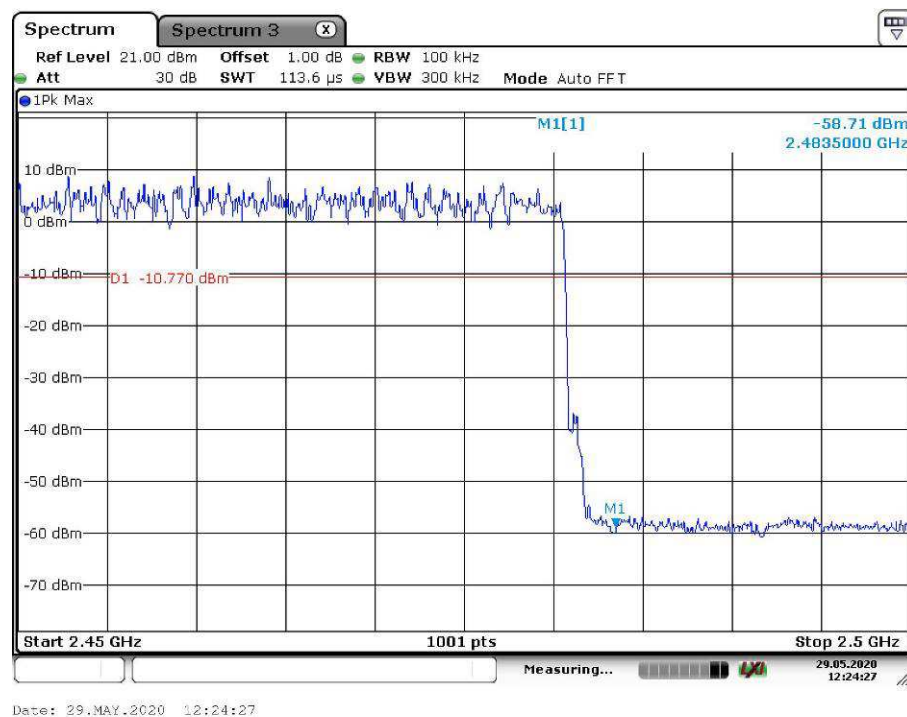
Band Edge, High Channel



Band Edge, Hopping Mode, Low Channel



Band Edge, Hopping Mode, High Channel



Note: Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz - 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

Appendix B.7: Test Results of Radiated Spurious Emissions

Note: This testing was carried out on different modulations, but only the worst case (GFSK) was presented in this report.

30MHz - 1GHz

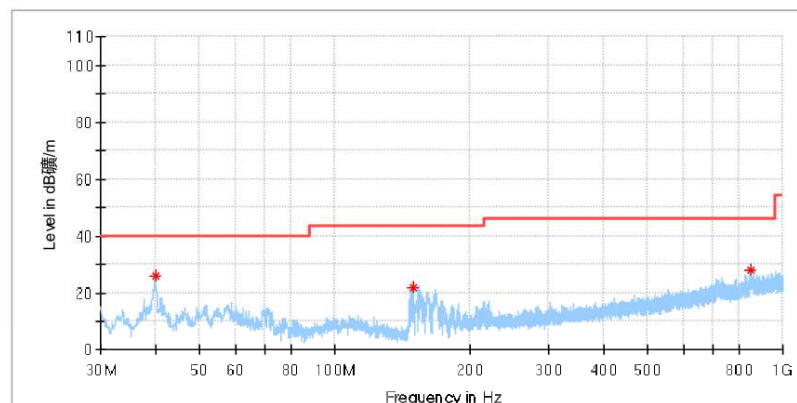
EMI Auto Test(1)

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Test Report

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	BT_1DH5_CH0
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:42%
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)
39.748500	26.33	---	40.00	13.67	100.0	H	93.0	-20.5
149.746500	22.17	---	43.50	21.33	100.0	H	328.0	-22.5
845.576000	28.07	---	46.00	17.93	100.0	H	171.0	-6.0

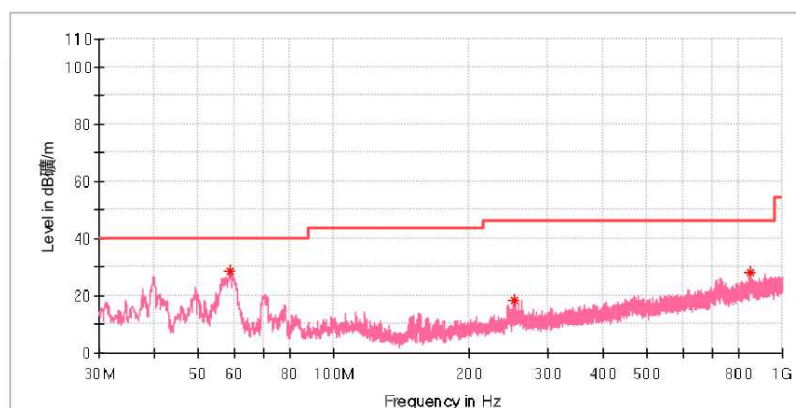
EMI Auto Test(1)

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Test Report

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
TestMode:	BT_1DH5_CH0
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:42%
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)
58.663500	28.43	---	40.00	11.57	100.0	V	295.0	-19.1
252.275500	18.40	---	46.00	27.60	100.0	V	324.0	-17.6
845.818500	27.98	---	46.00	18.02	100.0	V	34.0	-6.0

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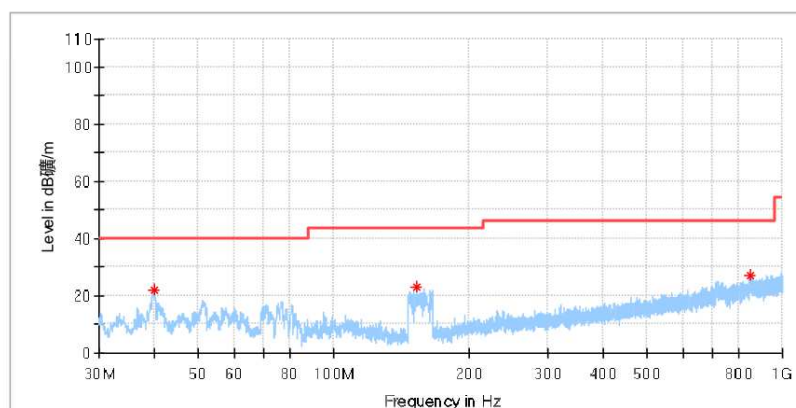
EMI Auto Test(1)

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Test Report

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	BT_1DH5_CH78
Test Voltage:	AC 120V@60Hz
Remark:	Temp 23 Humi:42%
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)
39.894000	21.91	---	40.00	18.09	100.0	H	340.0	-20.4
153.044500	22.81	---	43.50	20.69	100.0	H	314.0	-22.4
845.624500	27.34	---	46.00	18.66	100.0	H	359.0	-6.0

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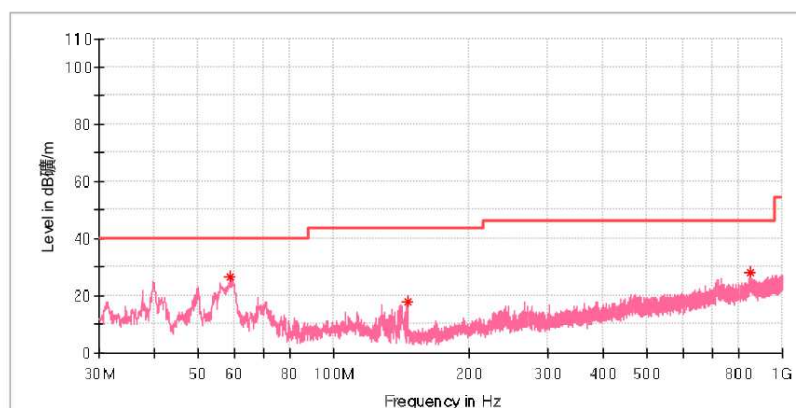
EMI Auto Test(1)

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Test Report

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
TestMode:	BT_1DH5_CH78
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:42%
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)
59.003000	26.45	---	40.00	13.55	100.0	V	247.0	-19.2
145.915000	17.99	---	43.50	25.51	100.0	V	316.0	-22.6
846.546000	28.30	---	46.00	17.70	100.0	V	4.0	-6.0

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1GHz - 18GHz

Note: The highest waveform in the figure is Bluetooth Fundamental.

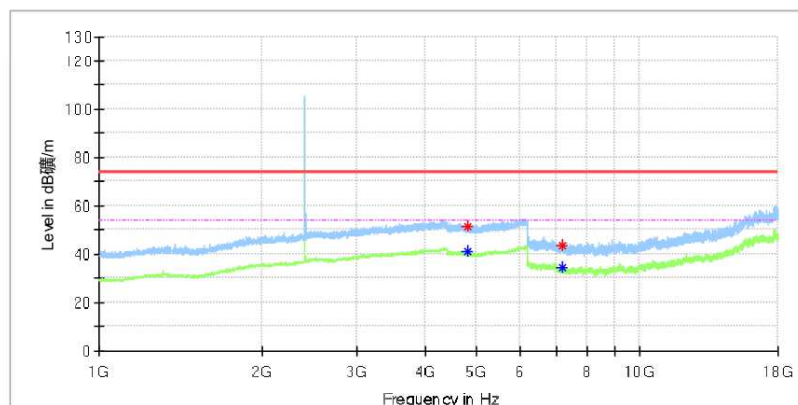
EMI Auto Test(1)

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Test Report

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
TestMode:	BT_1DH5_CH0
TestVoltage::	AC 120V@60Hz
Remark:	Temp 24 Humi:45%
TestStandard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4803.500000	---	40.97	54.00	13.03	100.0	H	49.0	13.6
4806.000000	51.67	---	74.00	22.33	100.0	H	275.0	13.6
7208.900000	---	34.46	54.00	19.54	100.0	H	340.0	8.8
7209.391667	43.34	---	74.00	30.66	100.0	H	255.0	8.8

Final Result

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

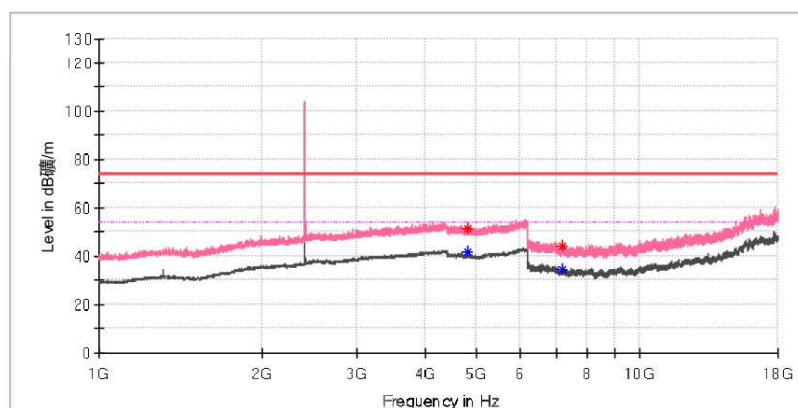
EMI Auto Test(1)

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Test Report

EUT Information

EUT Name: Digital media receiver
Model: B7W644
Test Mode: BT_1DH5_CH0
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)
4804.000000	51.26	---	74.00	22.74	100.0	V	21.0	13.6
4804.000000	---	41.77	54.00	12.23	100.0	V	21.0	13.6
7203.983333	43.88	---	74.00	30.12	100.0	V	355.0	8.8
7204.966667	---	34.23	54.00	19.77	100.0	V	270.0	8.8

Final Result

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

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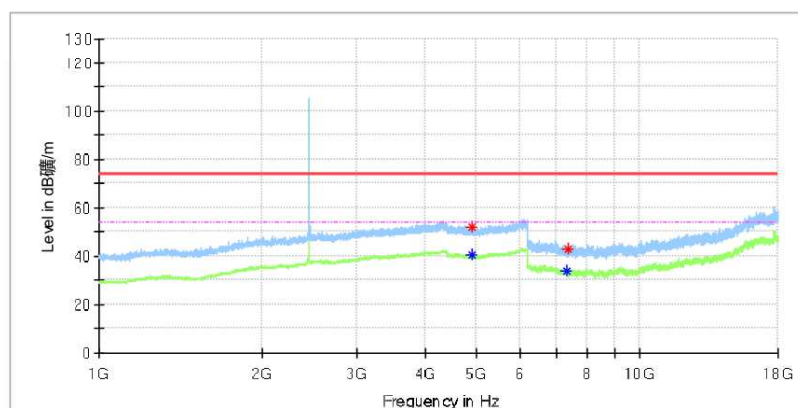
EMI Auto Test(1)

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Test Report

EUT Information

EUT Name: Digital media receiver
Model: B7W644
Test Mode: BT_1DH5_CH39
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)
4881.500000	---	40.48	54.00	13.52	100.0	H	265.0	13.4
4892.000000	52.25	---	74.00	21.75	100.0	H	325.0	13.3
7322.475000	---	34.13	54.00	19.87	100.0	H	281.0	8.2
7370.166667	43.03	---	74.00	30.98	100.0	H	281.0	8.2

Final Result

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

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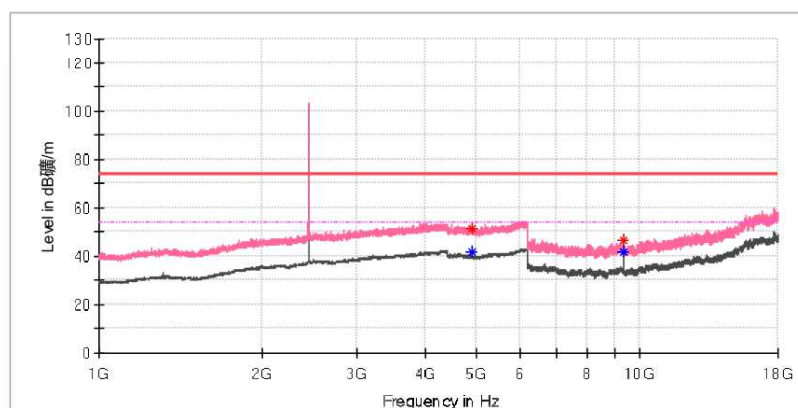
EMI Auto Test(1)

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Test Report

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	BT_1DH5_CH39
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)
4881.500000	---	41.57	54.00	12.43	100.0	V	67.0	13.4
4902.500000	51.58	---	74.00	22.42	100.0	V	57.0	13.3
9319.625000	46.76	---	74.00	27.24	100.0	V	0.0	10.0
9320.116667	---	41.83	54.00	12.17	100.0	V	0.0	10.0

Final Result

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

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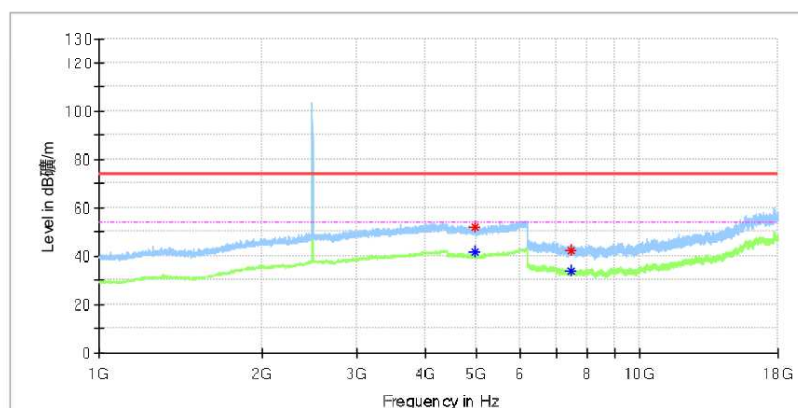
EMI Auto Test(1)

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Test Report

EUT Information

EUT Name: Digital media receiver
Model: B7W644
Test Mode: BT_1DH5_CH78
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)
4959.000000	51.80	---	74.00	22.20	100.0	H	33.0	13.2
4960.000000	---	41.73	54.00	12.27	100.0	H	51.0	13.2
7441.458333	42.45	---	74.00	31.55	100.0	H	345.0	8.4
7442.441667	---	33.80	54.00	20.20	100.0	H	80.0	8.4

Final Result

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

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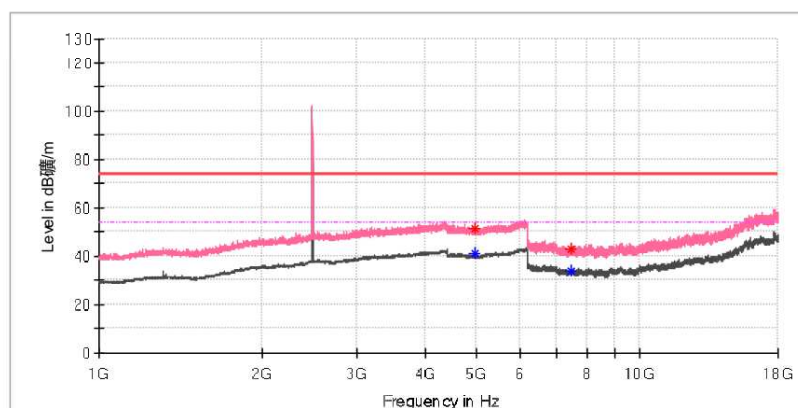
EMI Auto Test(1)

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Test Report

EUT Information

EUT Name: Digital media receiver
Model: B7W644
Test Mode: BT_1DH5_CH78
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)
4959.500000	51.17	---	74.00	22.83	100.0	V	309.0	13.2
4960.000000	---	41.34	54.00	12.66	100.0	V	319.0	13.2
7440.475000	---	33.81	54.00	20.20	100.0	V	203.0	8.4
7446.375000	43.02	---	74.00	30.98	100.0	V	33.0	8.5

Final Result

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

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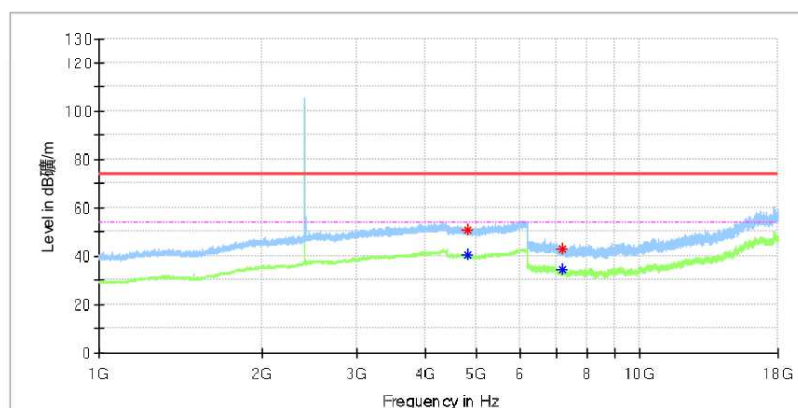
EMI Auto Test(1)

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Test Report

EUT Information

EUT Name: Digital media receiver
Model: B7W644
Test Mode: BT_3DH5_CH0
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)
4805.500000	51.03	---	74.00	22.97	100.0	H	17.0	13.6
4806.500000	---	40.36	54.00	13.64	100.0	H	165.0	13.6
7204.966667	---	34.35	54.00	19.65	100.0	H	281.0	8.8
7205.950000	42.90	---	74.00	31.10	100.0	H	350.0	8.8

Final Result

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

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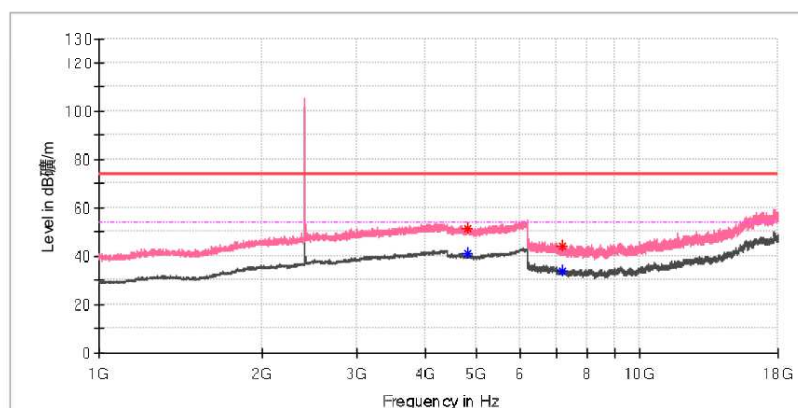
EMI Auto Test(1)

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Test Report

EUT Information

EUT Name: Digital media receiver
Model: B7W644
Test Mode: BT_3DH5_CH0
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)
4804.000000	---	40.97	54.00	13.03	100.0	V	120.0	13.6
4805.000000	51.50	---	74.00	22.50	100.0	V	339.0	13.6
7205.458333	---	33.76	54.00	20.24	100.0	V	185.0	8.8
7205.458333	43.88	---	74.00	30.12	100.0	V	185.0	8.8

Final Result

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

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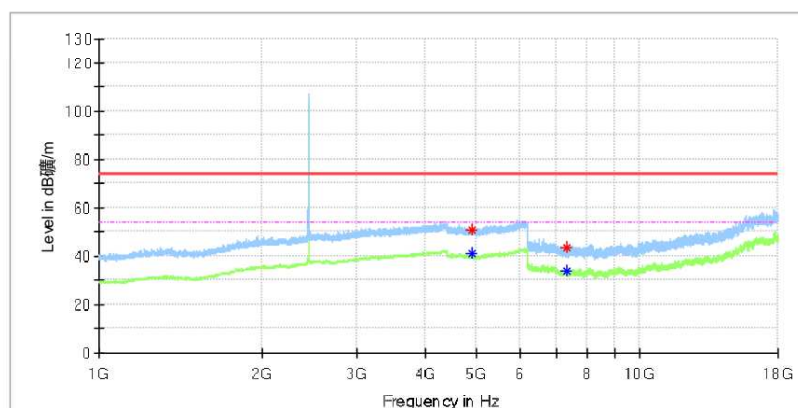
EMI Auto Test(1)

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Test Report

EUT Information

EUT Name: Digital media receiver
Model: B7W644
Test Mode: BT_3DH5_CH39
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)
4880.000000	---	40.83	54.00	13.17	100.0	H	34.0	13.4
4880.000000	50.63	---	74.00	23.37	100.0	H	34.0	13.4
7317.558333	---	33.85	54.00	20.15	100.0	H	103.0	8.2
7319.525000	43.26	---	74.00	30.74	100.0	H	281.0	8.2

Final Result

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

29/5/2020

7:36:15 PM

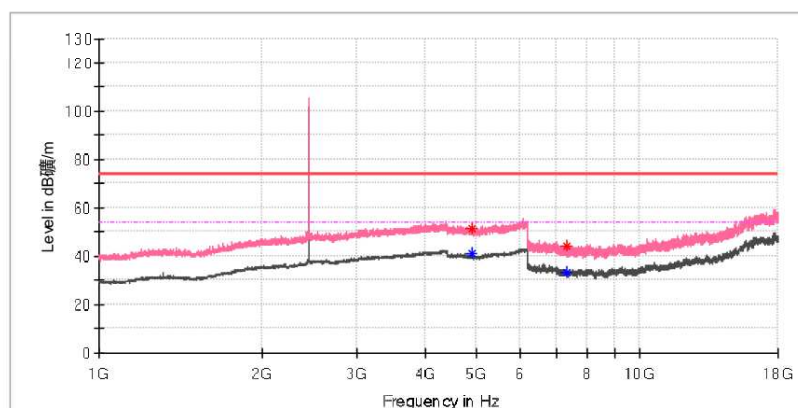
EMI Auto Test(1)

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Test Report

EUT Information

EUT Name: Digital media receiver
Model: B7W644
Test Mode: BT_3DH5_CH39
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)
4880.000000	---	41.03	54.00	12.97	100.0	V	115.0	13.4
4880.000000	51.66	---	74.00	22.34	100.0	V	115.0	13.4
7316.083333	44.16	---	74.00	29.84	100.0	V	221.0	8.2
7318.541667	---	33.36	54.00	20.64	100.0	V	34.0	8.2

Final Result

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

29/5/2020

7:36:15 PM

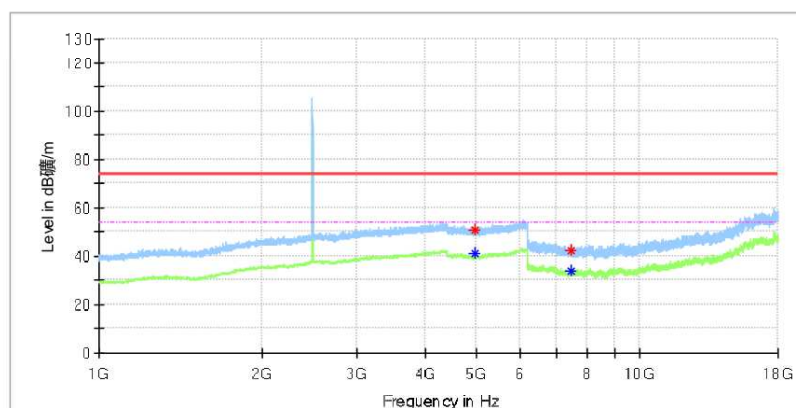
EMI Auto Test(1)

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Test Report

EUT Information

EUT Name: Digital media receiver
Model: B7W644
Test Mode: BT_3DH5_CH78
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)
4959.500000	50.83	---	74.00	23.17	100.0	H	68.0	13.2
4960.000000	---	41.09	54.00	12.91	100.0	H	49.0	13.2
7439.983333	---	33.88	54.00	20.12	100.0	H	127.0	8.4
7439.983333	42.41	---	74.00	31.59	100.0	H	127.0	8.4

Final Result

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

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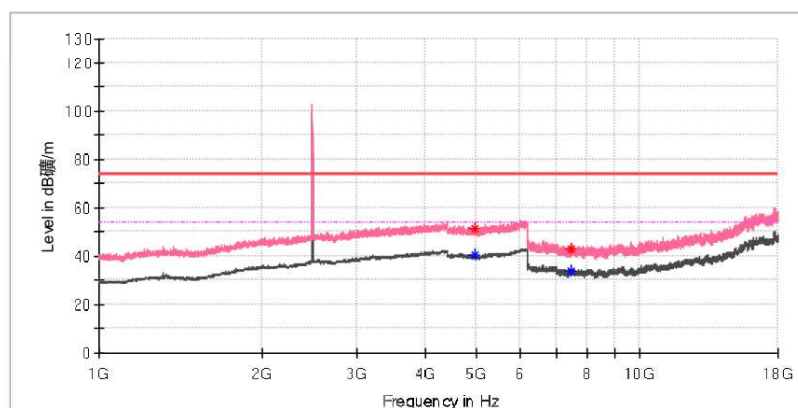
EMI Auto Test(1)

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Test Report

EUT Information

EUT Name: Digital media receiver
Model: B7W644
Test Mode: BT_3DH5_CH78
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)
4959.500000	---	40.74	54.00	13.26	100.0	V	140.0	13.2
4961.500000	51.41	---	74.00	22.59	100.0	V	293.0	13.2
7441.950000	42.99	---	74.00	31.01	100.0	V	105.0	8.4
7445.391667	---	33.67	54.00	20.33	100.0	V	105.0	8.5

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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Appendix B.8: Test Results of Radiated Emissions in Restricted Bands

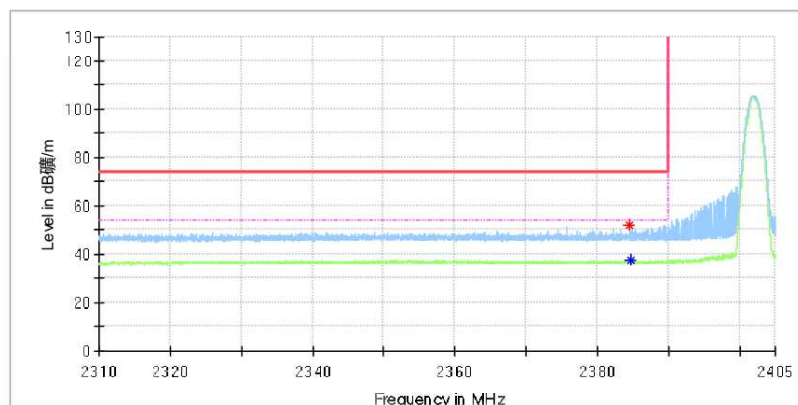
EMI Auto Test(1)

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Test Report

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	BT_1DH5_CH0
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)
2384.505147	52.04	---	74.00	21.96	100.0	H	211.0	7.0
2384.826471	---	37.55	54.00	16.45	100.0	H	248.0	7.0

Final Result

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

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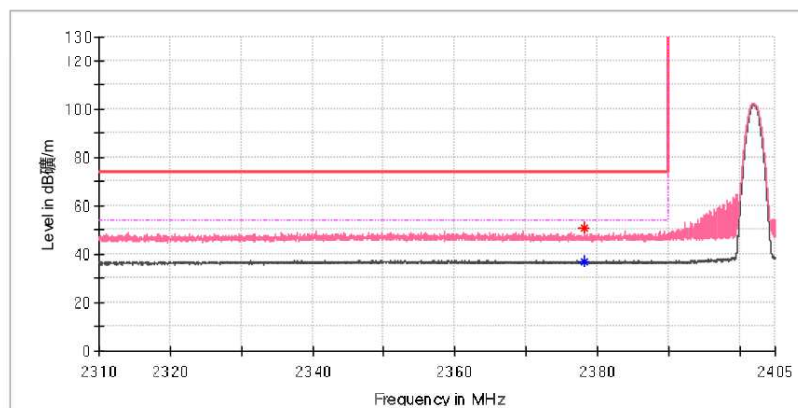
EMI Auto Test(1)

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Test Report

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
TestMode:	BT_1DH5_CH0
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)
2378.092647	---	37.06	54.00	16.94	100.0	V	101.0	6.9
2378.134559	50.86	---	74.00	23.14	100.0	V	124.0	6.9

Final Result

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

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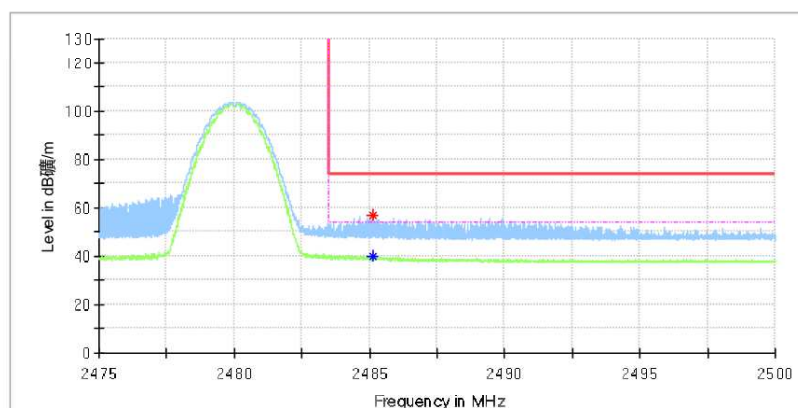
EMI Auto Test(1)

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Test Report

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
TestMode:	BT_1DH5_CH78
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)
2485.147059	---	40.17	54.00	13.83	100.0	H	191.0	7.4
2485.147059	56.69	---	74.00	17.31	100.0	H	191.0	7.4

Final Result

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

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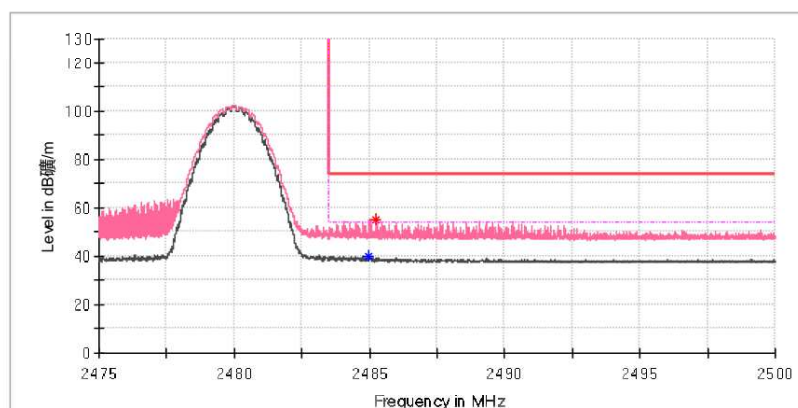
EMI Auto Test(1)

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Test Report

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
TestMode:	BT_1DH5_CH78
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)
2484.988971	---	39.75	54.00	14.25	100.0	V	128.0	7.4
2485.231618	54.80	---	74.00	19.20	100.0	V	128.0	7.4

Final Result

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

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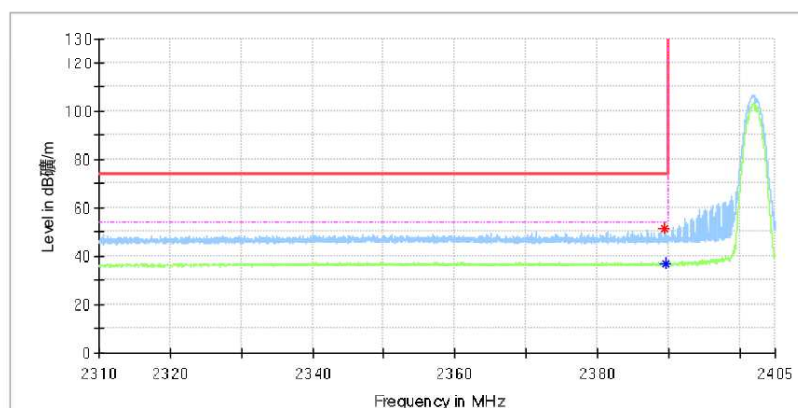
EMI Auto Test(1)

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Test Report

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Test Mode:	BT_3DH5_CH0
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)
2389.506618	51.20	---	74.00	22.80	100.0	H	175.0	7.0
2389.632353	---	37.15	54.00	16.85	100.0	H	256.0	7.0

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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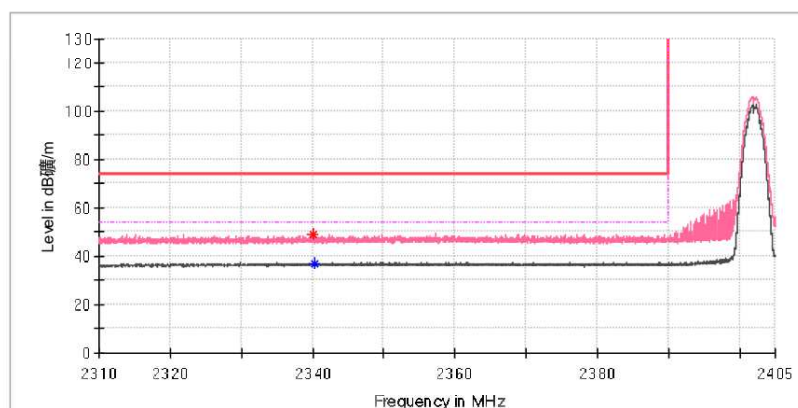
EMI Auto Test(1)

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Test Report

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
TestMode:	BT_3DH5_CH0
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)
2340.064706	49.07	---	74.00	24.93	100.0	V	150.0	6.8
2340.386030	---	37.15	54.00	16.85	100.0	V	92.0	6.8

Final Result

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

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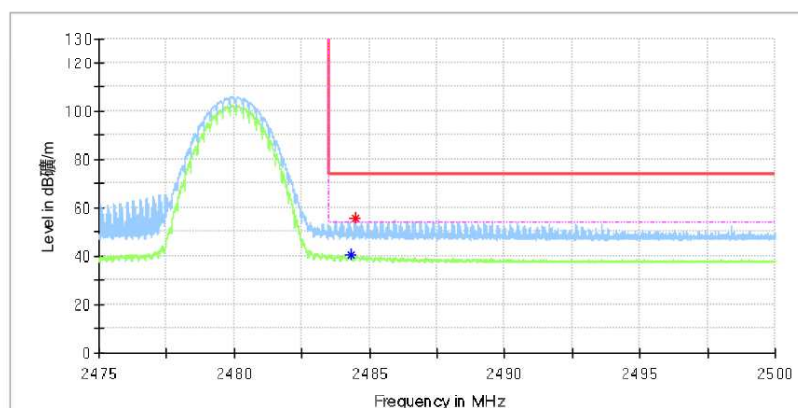
EMI Auto Test(1)

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Test Report

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
TestMode:	BT_3DH5_CH78
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)
2484.323530	---	40.23	54.00	13.77	100.0	H	179.0	7.4
2484.481618	55.52	---	74.00	18.48	100.0	H	179.0	7.4

Final Result

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

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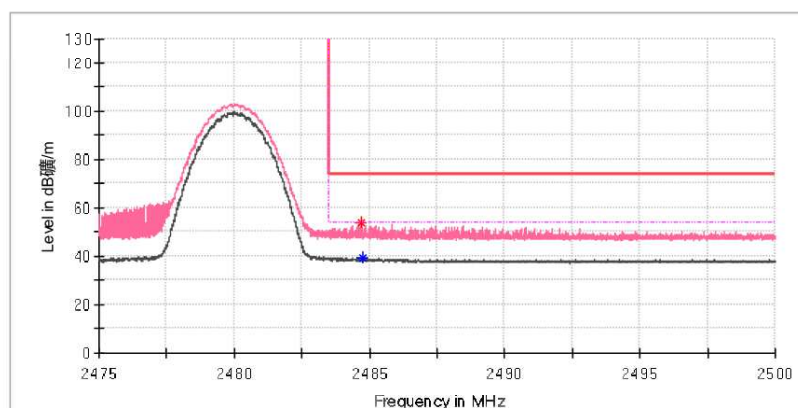
EMI Auto Test(1)

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Test Report

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
TestMode:	BT_3DH5_CH78
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)
2484.724265	53.77	---	74.00	20.23	100.0	V	89.0	7.4
2484.753677	---	39.14	54.00	14.86	100.0	V	297.0	7.4

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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Appendix B.9: Test Results of Conducted Emission on AC Mains

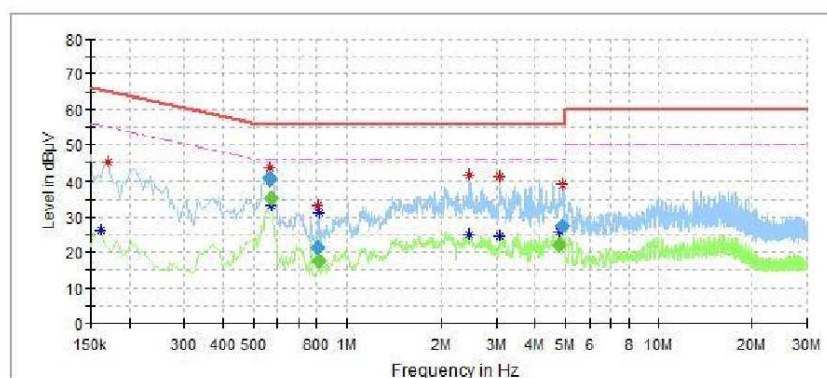
Normal operation mode

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Test Report

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Order No:	168264965
Test Mode:	Normal operation mode
Test Voltage:	AC 120V/60Hz
Test By:	Charlie Wang
Review By:	Gary Chen
Remark:	Speaker & Lineout output normal, lineout port with earphone



Critical Freqs

Frequency (MHz)	Max Peak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)
0.162000	---	26.43	55.36	28.93	L1	9.6
0.170000	45.26	---	64.96	19.70	L1	9.6
0.568500	43.57	---	56.00	12.43	L1	9.7
0.572500	---	33.31	46.00	12.69	L1	9.7
0.811500	33.38	---	56.00	22.62	L1	9.7
0.816500	---	31.17	46.00	14.83	L1	9.7
2.456000	---	25.19	46.00	20.81	L1	9.8
2.464000	41.37	---	56.00	14.63	L1	9.8
3.084000	---	24.81	46.00	21.19	L1	9.8
3.084000	40.83	---	56.00	15.17	L1	9.8
4.807500	---	26.01	46.00	19.99	L1	9.9
4.904500	38.92	---	56.00	17.08	L1	9.9

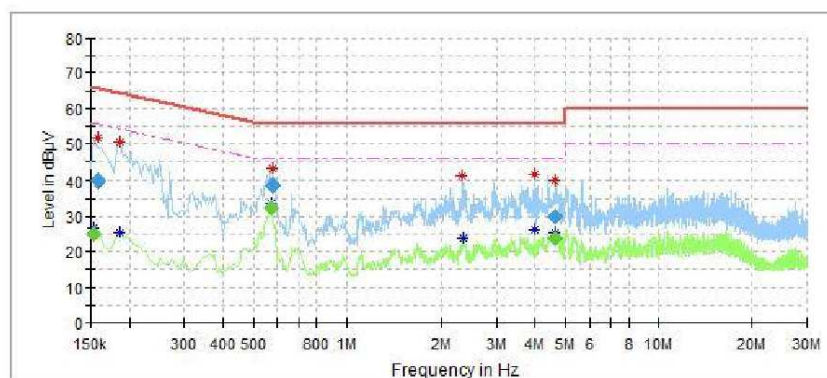
Final Result

Frequency (MHz)	Quasi Peak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.568500	40.81	---	56.00	15.19	200.0	9.000	L1	9.7
0.572500	---	35.31	46.00	10.69	200.0	9.000	L1	9.7
0.811500	21.49	---	56.00	34.51	200.0	9.000	L1	9.7
0.816500	---	17.83	46.00	28.17	200.0	9.000	L1	9.7
4.807500	---	22.02	46.00	23.98	200.0	9.000	L1	9.9
4.904500	27.57	---	56.00	28.43	200.0	9.000	L1	9.9

Test Report

EUT Information

EUT Name:	Digital media receiver
Model:	B7W644
Order No:	168264965
Test Mode:	Working
Test Voltage:	AC 120V/60Hz
Test By:	Charlie Wang
Review By:	Gary Chen
Remark:	Speaker & Lineout output normal, lineout port with earphone



Critical Freqs

Frequency (MHz)	Max Peak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.153500	---	26.66	55.57	28.90	N	9.6
0.158500	51.74	---	65.78	14.05	N	9.6
0.186000	---	25.31	54.21	28.90	N	9.6
0.186000	50.48	---	64.21	13.73	N	9.6
0.571500	---	33.50	46.00	12.50	N	9.7
0.576500	42.94	---	56.00	13.06	N	9.7
2.336000	40.92	---	56.00	15.08	N	9.7
2.340000	---	23.73	46.00	22.27	N	9.7
3.996000	---	26.06	46.00	19.94	N	9.8
3.996000	41.48	---	56.00	14.52	N	9.8
4.636500	39.82	---	56.00	16.18	N	9.9
4.640500	---	25.64	46.00	20.36	N	9.9

Final Result

Frequency (MHz)	Quasi Peak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.153500	---	25.12	55.81	30.69	200.0	9.000	N	9.6
0.158500	39.74	---	65.54	25.80	200.0	9.000	N	9.6
0.571500	---	32.34	46.00	13.66	200.0	9.000	N	9.7
0.576500	38.38	---	56.00	17.62	200.0	9.000	N	9.7
4.636500	29.94	---	56.00	26.06	200.0	9.000	N	9.9
4.640500	---	23.99	46.00	22.01	200.0	9.000	N	9.9