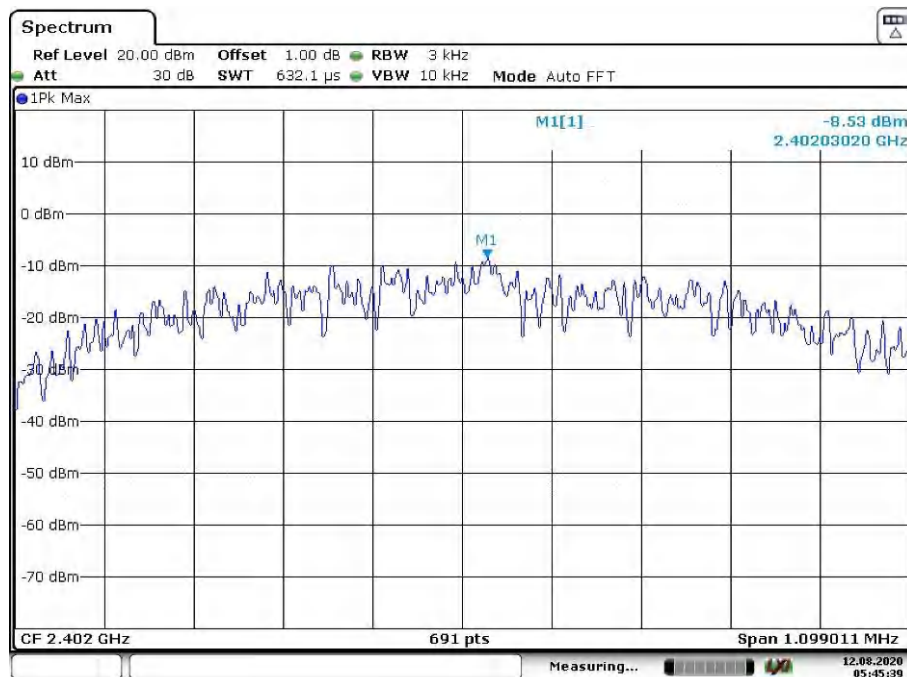


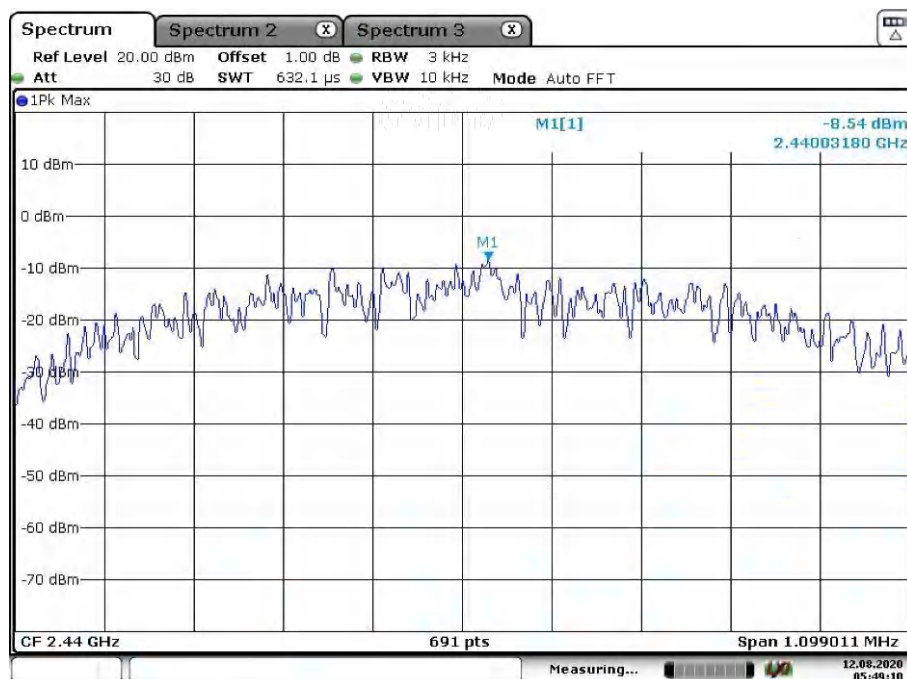
Appendix C: Test Results of BLE

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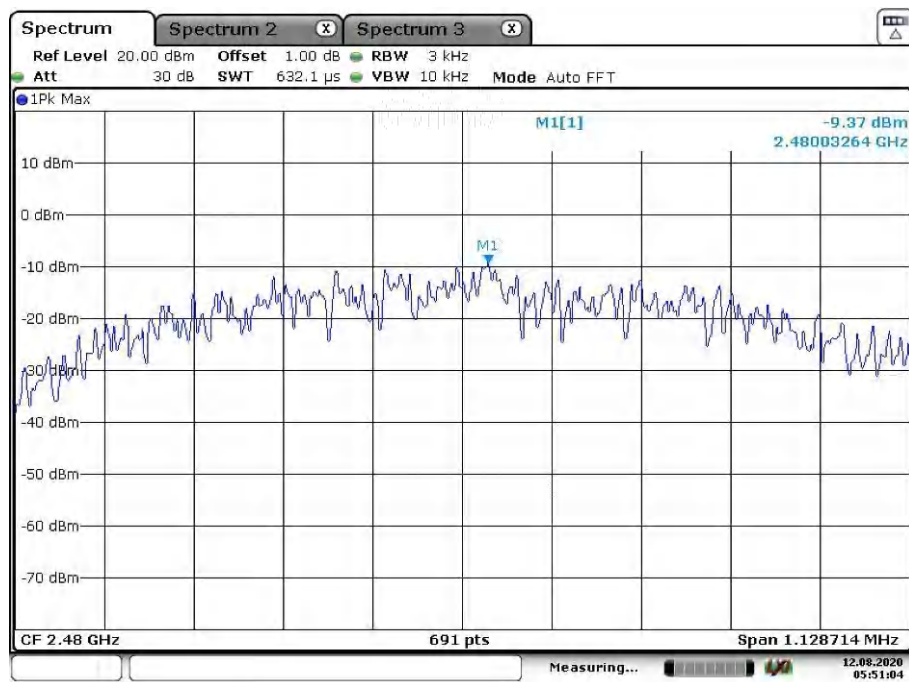
Appendix C.1: Test Results of Conducted Power Spectral Density



Date: 12.AUG.2020 05:45:39



Date: 12.AUG.2020 05:49:10



Date: 12.AUG.2020 05:51:04

Appendix C.2: Test Results of 6dB Bandwidth

FCC Part 47 §15.247 2400-2483.5 MHz 2017

Minimum Emission Bandwidth 6 dB (2402 MHz; 10.000 dBm; 1 MHz)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

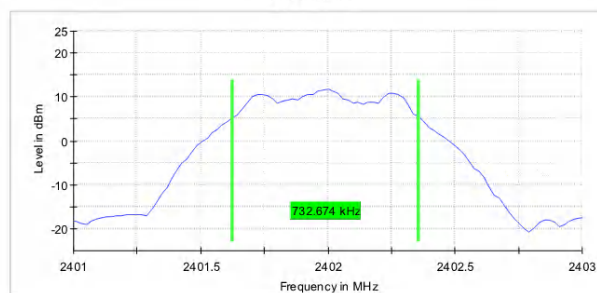
6 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2402.000000	0.732674	0.500000	---	2401.623762	2402.356436

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

DUT Frequency (MHz)	Max Level (dBm)	Result
2402.000000	11.7	PASS

6 dB Bandwidth



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.40100 GHz	2.40100 GHz
Stop Frequency	2.40300 GHz	2.40300 GHz
Span	2.000 MHz	2.000 MHz
RBW	100.000 kHz	~ 100.000 kHz
VBW	300.000 kHz	~ 300.000 kHz
SweepPoints	101	~ 40
SweepTime	18.938 µs	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	8 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.08 dB	0.50 dB

FCC Part 47 §15.247 2400-2483.5 MHz 2017

Minimum Emission Bandwidth 6 dB (2440 MHz; 10.000 dBm; 1 MHz)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

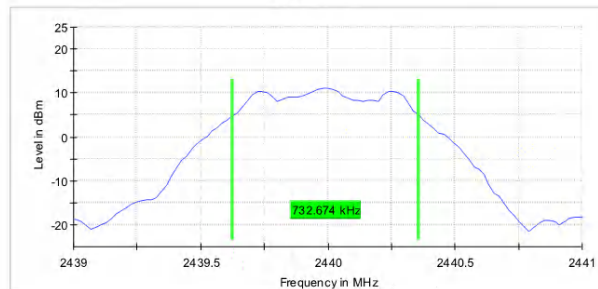
6 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2440.000000	0.732674	0.500000	---	2439.623762	2440.356436

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

DUT Frequency (MHz)	Max Level (dBm)	Result
2440.000000	11.2	PASS

6 dB Bandwidth



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.43900 GHz	2.43900 GHz
Stop Frequency	2.44100 GHz	2.44100 GHz
Span	2.000 MHz	2.000 MHz
RBW	100.000 kHz	~ 100.000 kHz
VBW	300.000 kHz	~ 300.000 kHz
SweepPoints	101	~ 40
SweepTime	18.938 µs	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamplifier	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	9 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.06 dB	0.50 dB

FCC Part 47 §15.247 2400-2483.5 MHz 2017

Minimum Emission Bandwidth 6 dB (2480 MHz; 10.000 dBm; 1 MHz)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

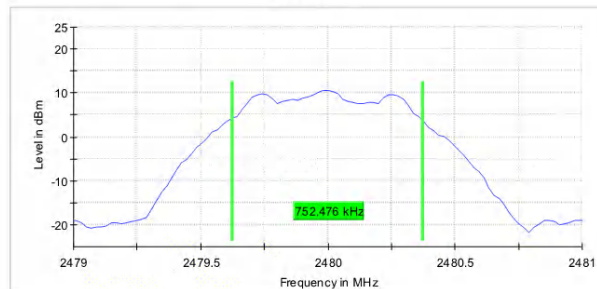
6 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2480.000000	0.752476	0.500000	---	2479.623762	2480.376238

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

DUT Frequency (MHz)	Max Level (dBm)	Result
2480.000000	10.5	PASS

6 dB Bandwidth



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.47900 GHz	2.47900 GHz
Stop Frequency	2.48100 GHz	2.48100 GHz
Span	2.000 MHz	2.000 MHz
RBW	100.000 kHz	~ 100.000 kHz
VBW	300.000 kHz	~ 300.000 kHz
SweepPoints	101	~ 40
SweepTime	18.938 µs	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	9 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.09 dB	0.50 dB

Appendix C.3: Test Results of 99% Bandwidth

FCC Part 47 §15.247 2400-2483.5 MHz 2017

Occupied Channel Bandwidth 99% (2402 MHz; 10.000 dBm; 1 MHz)

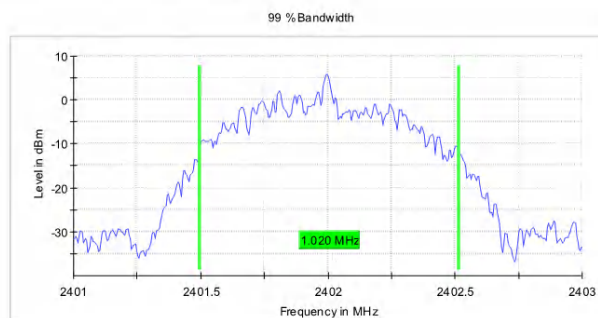
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2402.000000	1.020000	---	---	2401.497500	2402.517500

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

DUT Frequency (MHz)	Result
2402.000000	PASS



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.40100 GHz	2.40100 GHz
Stop Frequency	2.40300 GHz	2.40300 GHz
Span	2.000 MHz	2.000 MHz
RBW	10.000 kHz	>= 10.000 kHz
VBW	30.000 kHz	>= 30.000 kHz
SweepPoints	400	~ 400
SweepTime	189.648 µs	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	5 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.08 dB	0.30 dB

FCC Part 47 §15.247 2400-2483.5 MHz 2017

Occupied Channel Bandwidth 99% (2440 MHz; 10.000 dBm; 1 MHz)

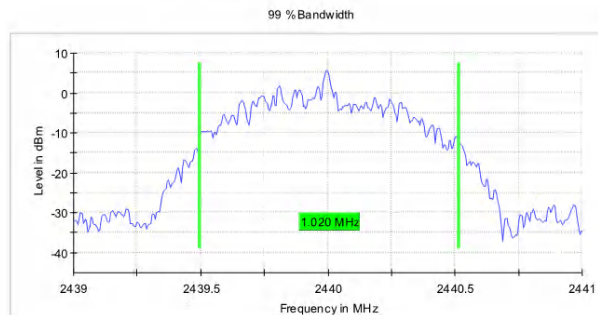
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2440.000000	1.020000	---	---	2439.497500	2440.517500

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

DUT Frequency (MHz)	Result
2440.000000	PASS



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.43900 GHz	2.43900 GHz
Stop Frequency	2.44100 GHz	2.44100 GHz
Span	2.000 MHz	2.000 MHz
RBW	10.000 kHz	>= 10.000 kHz
VBW	30.000 kHz	>= 30.000 kHz
SweepPoints	400	~ 400
SweepTime	189.648 µs	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamplifier	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	5 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.13 dB	0.30 dB

FCC Part 47 §15.247 2400-2483.5 MHz 2017

Occupied Channel Bandwidth 99% (2480 MHz; 10.000 dBm; 1 MHz)

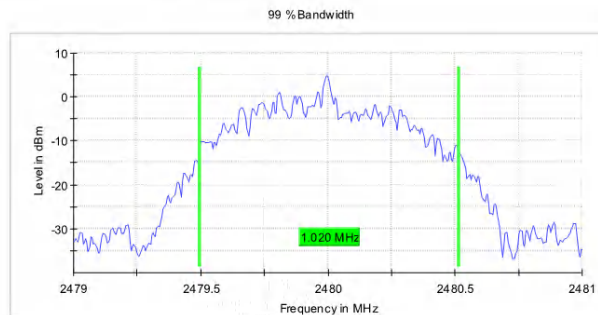
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2480.000000	1.020000	---	---	2479.497500	2480.517500

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

DUT Frequency (MHz)	Result
2480.000000	PASS

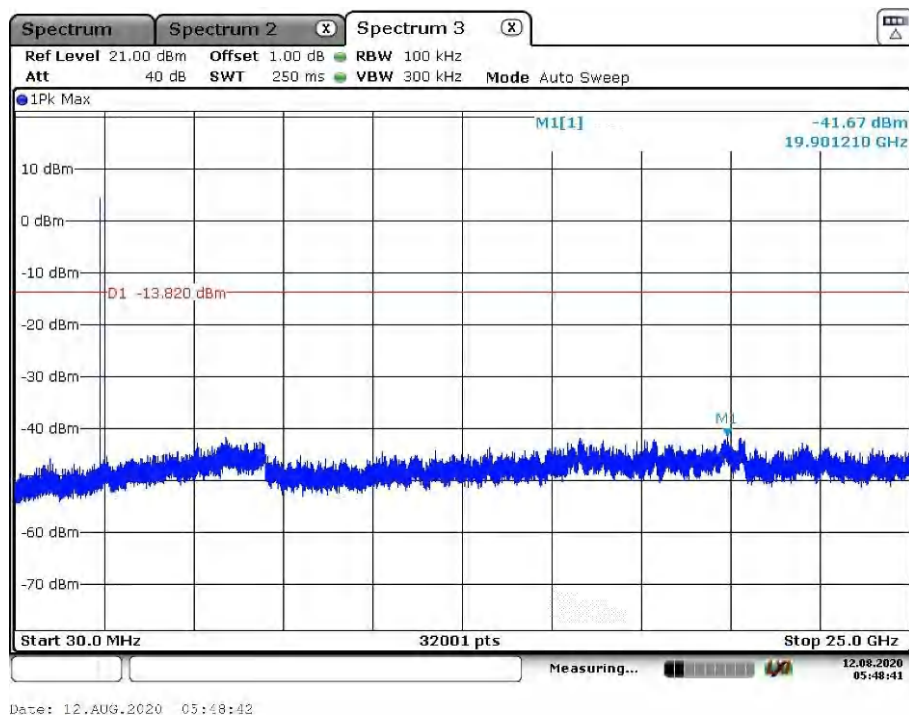
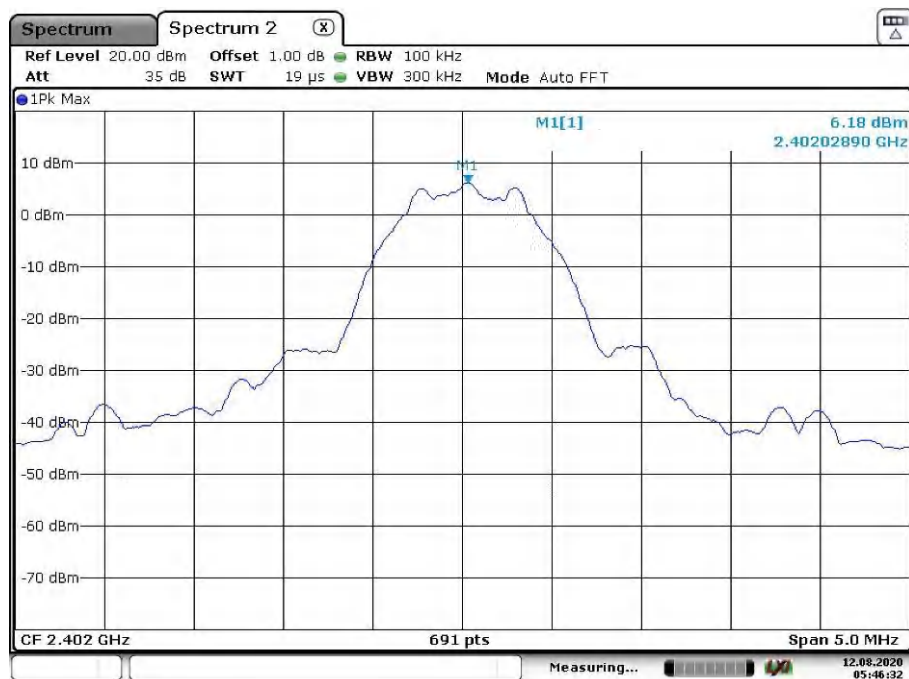


Measurement

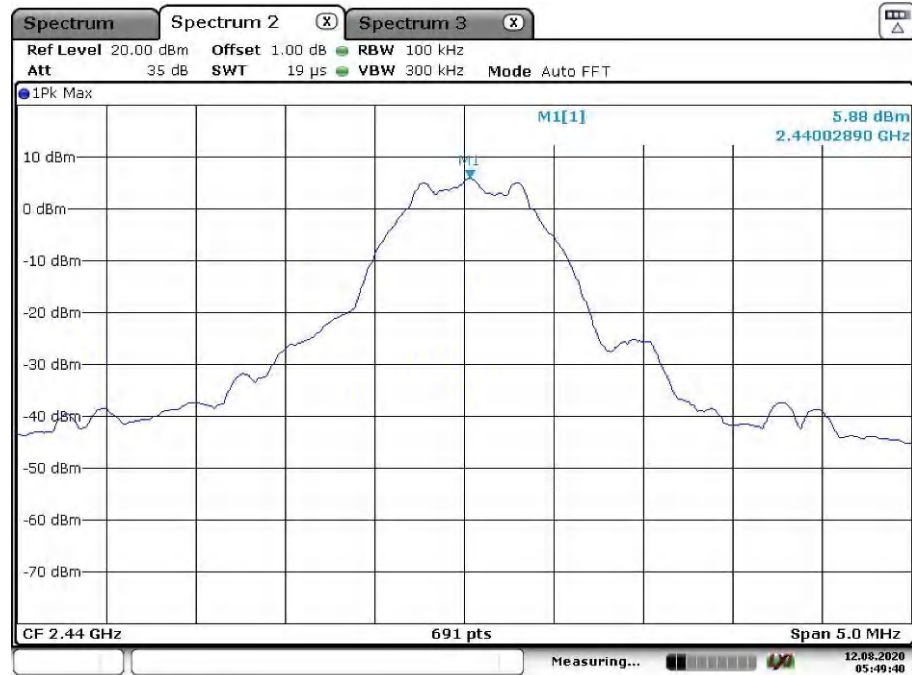
Setting	Instrument Value	Target Value
Start Frequency	2.47900 GHz	2.47900 GHz
Stop Frequency	2.48100 GHz	2.48100 GHz
Span	2.000 MHz	2.000 MHz
RBW	10.000 kHz	>= 10.000 kHz
VBW	30.000 kHz	>= 30.000 kHz
SweepPoints	400	~ 400
SweepTime	189.648 µs	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamplifier	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	6 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.09 dB	0.30 dB

Appendix C.4: Test Results of Conducted Spurious Emissions

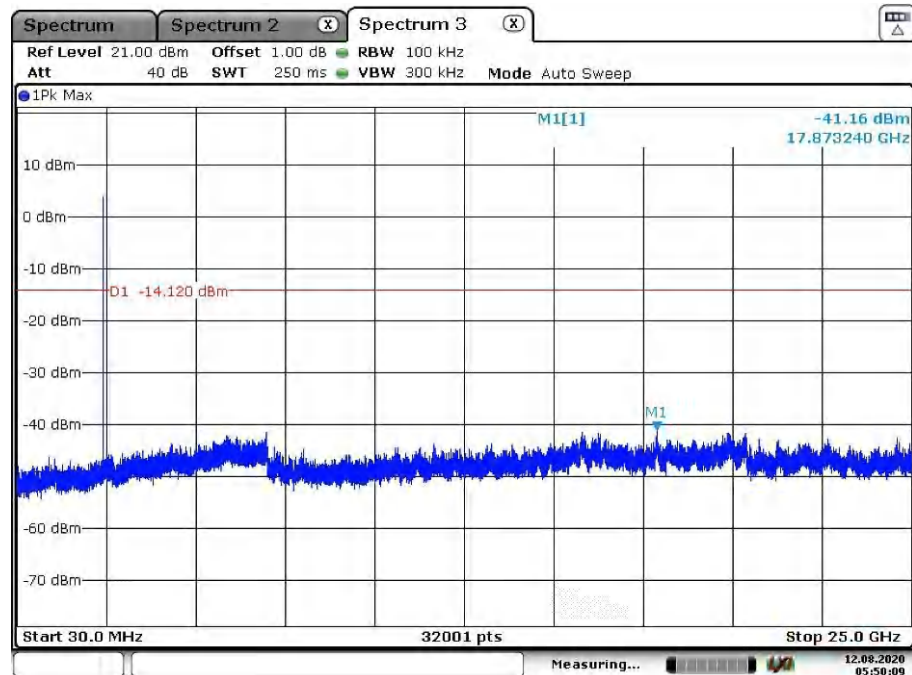
Low Channel



Middle Channel

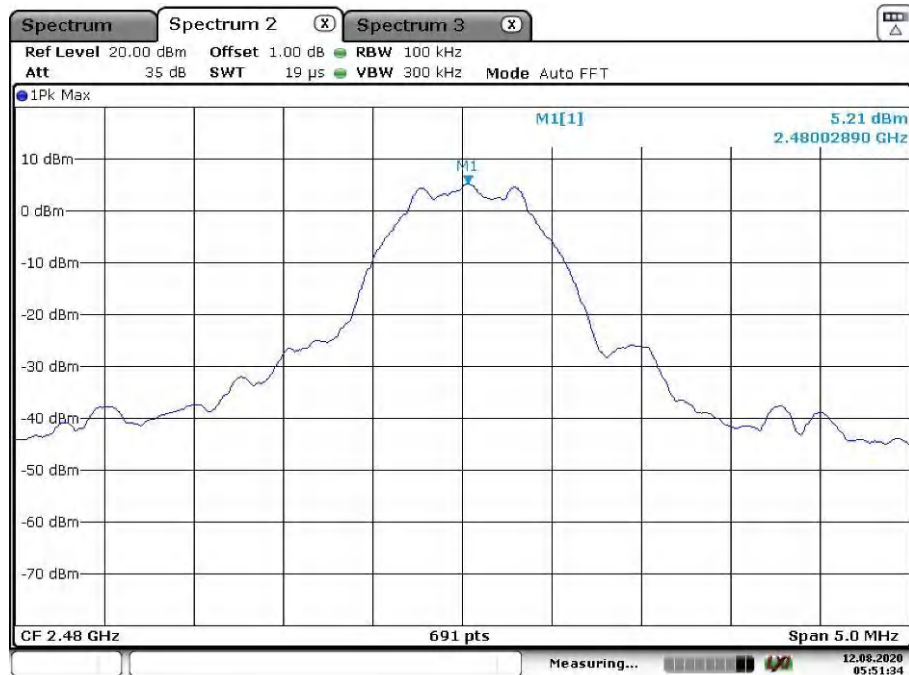


Date: 12.AUG.2020 05:49:41

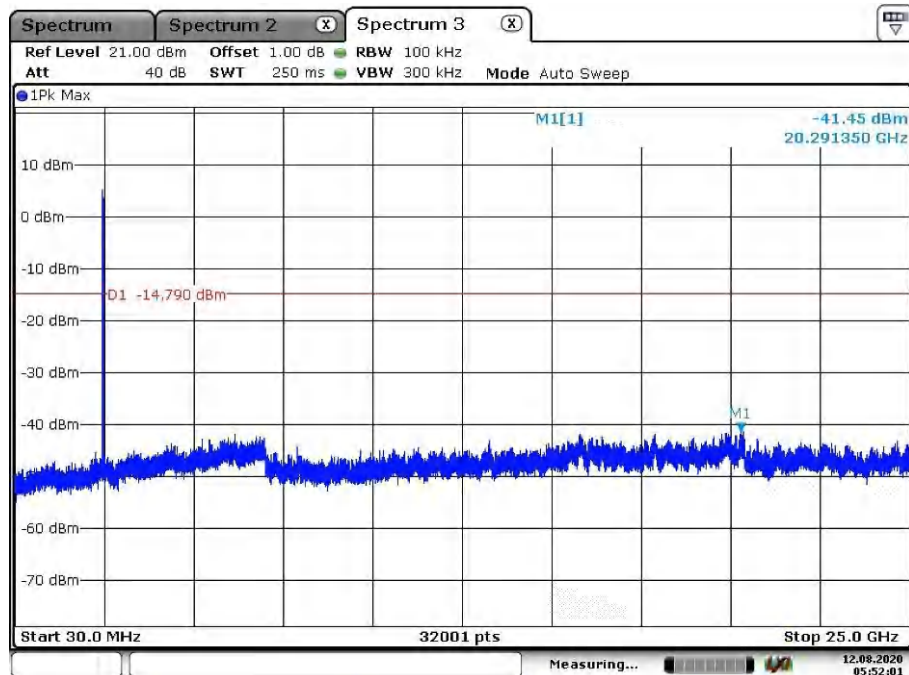


Date: 12.AUG.2020 05:50:09

High Channel

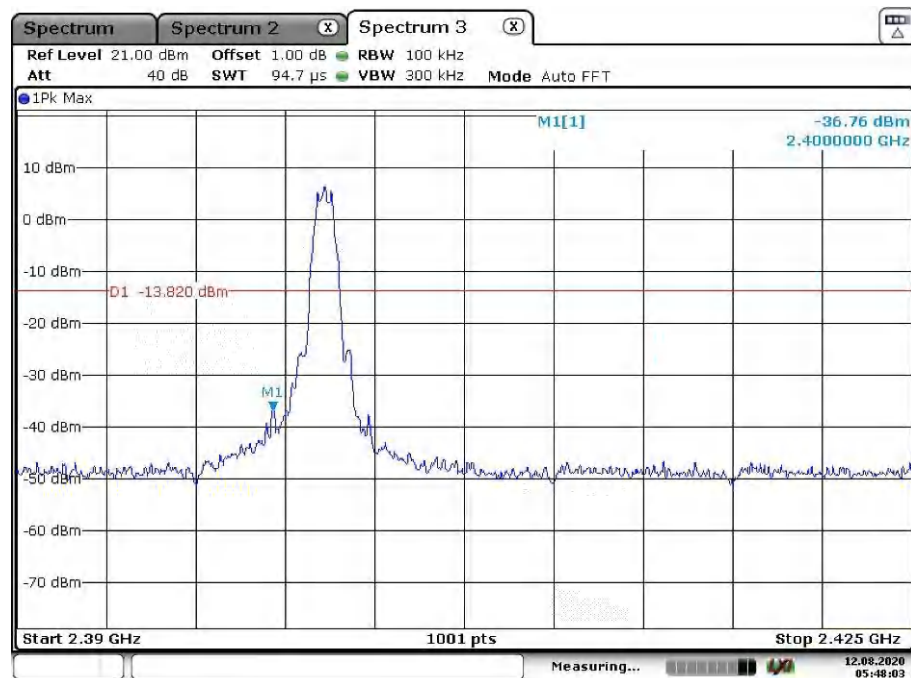


Date: 12.AUG.2020 05:51:35



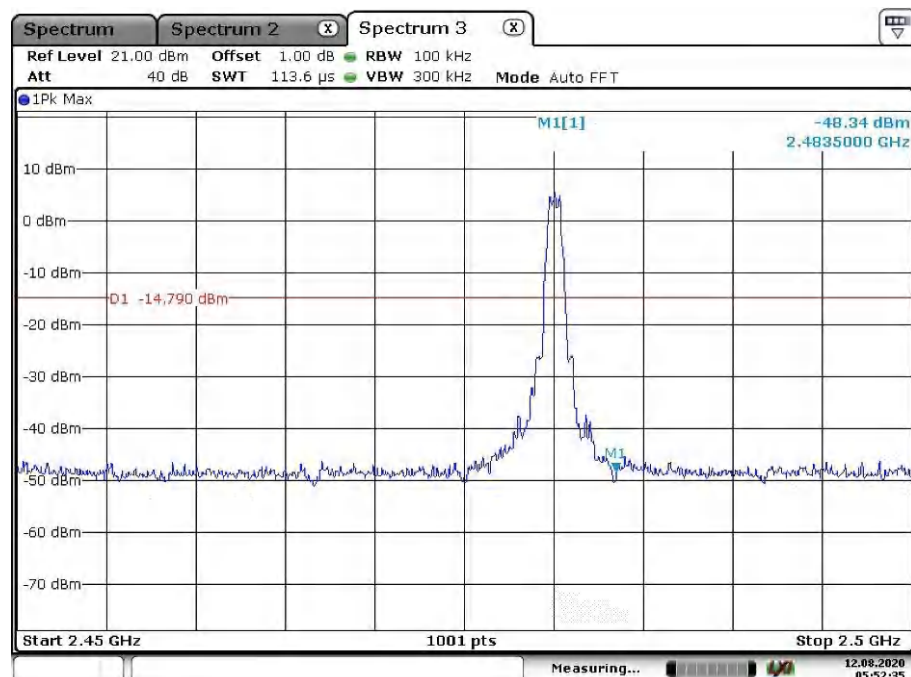
Date: 12.AUG.2020 05:52:02

Band Edge, Low Channel



Date: 12.AUG.2020 05:48:04

Band Edge, High Channel



Date: 12.AUG.2020 05:52:35

Appendix C.5: Test Results of Radiated Spurious Emissions

Note:

- 1) This testing was carried out on different modulations, but only the worst case was presented in this report.
- 2) 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.

30 MHz to 1GHz

Left earphone

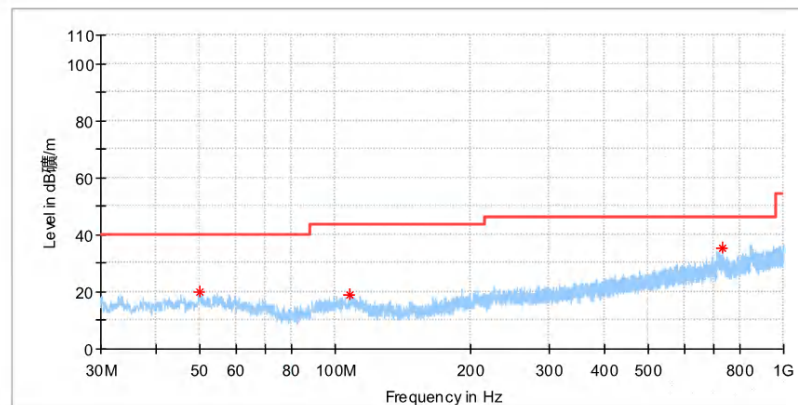
EMI Auto Test(1)

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Test Report

EUT Information

EUT Name:	Mi True Wireless Earphones 2 Basic
Model:	TWSEJ08WM
Test Mode:	TX_BLE_Low Channel
Test Voltage::	Via USB port
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)
49.982000	20.04	---	40.00	19.96	100.0	H	231.0	-18.6
107.939500	19.18	---	43.50	24.32	100.0	H	193.0	-19.3
728.885000	35.15	---	46.00	10.85	100.0	H	85.0	-7.9

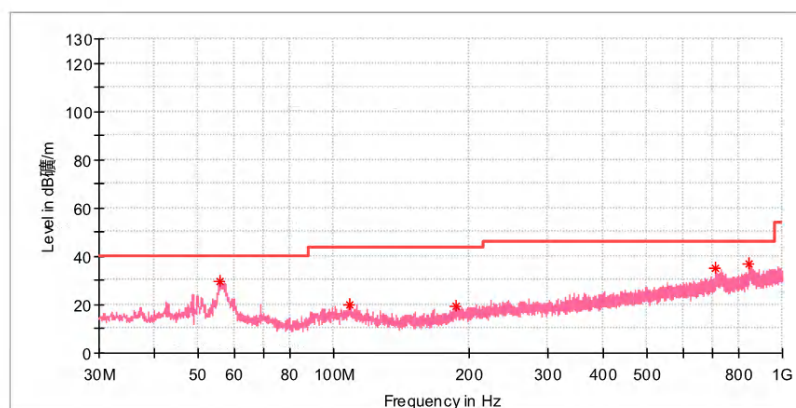
EMI Auto Test(1)

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Test Report

EUT Information

EUT Name:	Mi True Wireless Earphones 2 Basic
Model:	TWSEJ08VM
Test Mode:	TX_BLE_Low Channel
Test Voltage:	Via USB port
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)
55.608000	29.82	---	40.00	10.18	100.0	V	0.0	-18.8
108.182000	20.10	---	43.50	23.40	100.0	V	111.0	-19.3
187.188500	19.59	---	43.50	23.91	100.0	V	0.0	-20.1
709.291000	34.93	---	46.00	11.07	100.0	V	142.0	-8.3
845.139500	36.70	---	46.00	9.30	100.0	V	49.0	-6.0

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4:54:43 PM

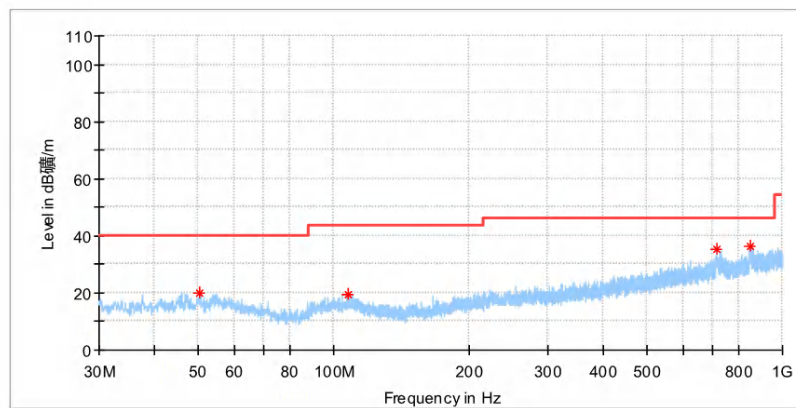
EMI Auto Test(1)

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Test Report

EUT Information

EUT Name:	Mi True Wireless Earphones 2 Basic
Model:	TWSEJ08WM
Test Mode:	TX_BLE_High Channel
Test Voltage::	Via USB port
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)
50.370000	20.06	---	40.00	19.94	100.0	H	319.0	-18.6
108.036500	19.33	---	43.50	24.17	100.0	H	65.0	-19.3
713.801500	35.19	---	46.00	10.81	100.0	H	116.0	-8.2
845.430500	36.13	---	46.00	9.87	100.0	H	280.0	-6.0

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4:54:43 PM

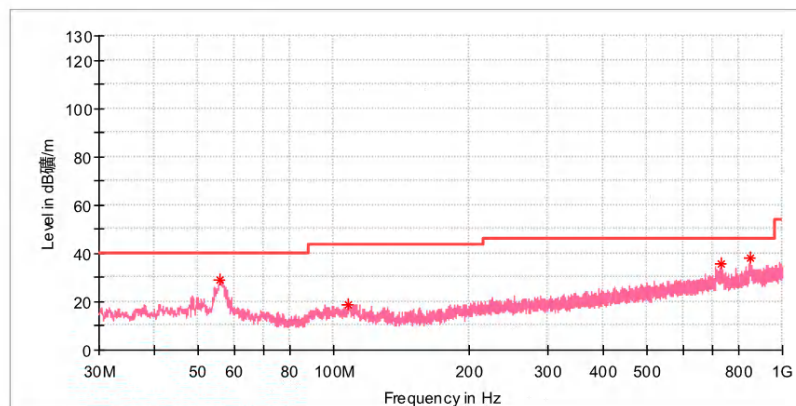
EMI Auto Test(1)

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Test Report

EUT Information

EUT Name:	Mi True Wireless Earphones 2 Basic
Model:	TWSEJ08WM
Test Mode:	TX_BLE_High Channel
Test Voltage:	Via USB port
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)
55.753500	29.32	---	40.00	10.68	100.0	V	120.0	-18.8
107.988000	19.03	---	43.50	24.47	100.0	V	176.0	-19.3
729.176000	35.45	---	46.00	10.55	100.0	V	165.0	-7.9
845.382000	37.95	---	46.00	8.05	100.0	V	112.0	-6.0

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4:54:43 PM

Right earphone

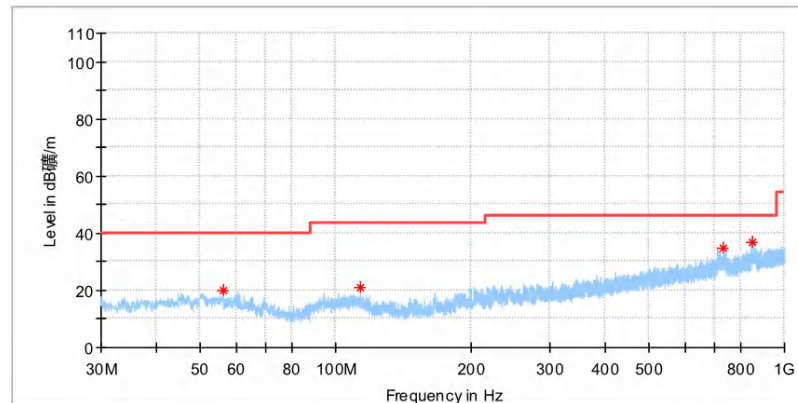
EMI Auto Test(1)

1 / 4

Test Report

EUT Information

EUT Name:	Mi True Wireless Earphones 2 Basic
Model:	TWSEJ08WM
Test Mode:	TX_BLE_Low Channel
Test Voltage:	Via USB port
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)
56.190000	19.79	---	40.00	20.22	100.0	H	324.0	-18.9
113.614000	20.90	---	43.50	22.60	100.0	H	39.0	-19.9
729.564000	34.77	---	46.00	11.23	100.0	H	189.0	-7.9
845.867000	36.90	---	46.00	9.10	100.0	H	0.0	-6.0

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4:34:51 PM

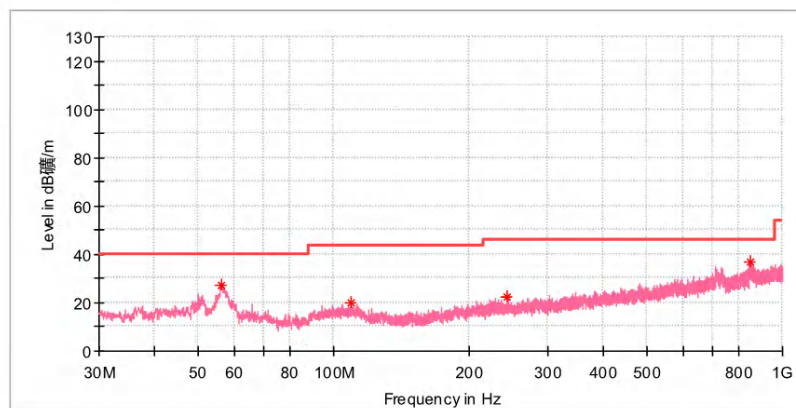
EMI Auto Test(1)

2 / 4

Test Report

EUT Information

EUT Name:	Mi True Wireless Earphones 2 Basic
Model:	TWSEJ08WM
TestMode:	TX_BLE_Low Channel
Test Voltage::	Via USB port
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)
56.238500	26.95	---	40.00	13.05	100.0	V	278.0	-18.9
109.540000	19.90	---	43.50	23.60	100.0	V	110.0	-19.4
243.885000	22.20	---	46.00	23.80	100.0	V	56.0	-17.9
845.479000	37.03	---	46.00	8.97	100.0	V	77.0	-6.0

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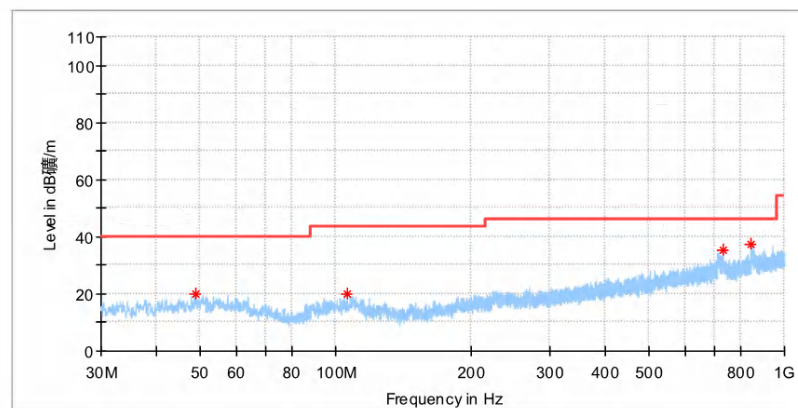
EMI Auto Test(1)

3 / 4

Test Report

EUT Information

EUT Name:	Mi True Wireless Earphones 2 Basic
Model:	TWSEJ08WM
TestMode:	TX_BLE_High Channel
Test Voltage::	Via USB port
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)
48.624000	19.96	---	40.00	20.04	100.0	H	191.0	-18.7
106.290500	19.79	---	43.50	23.71	100.0	H	66.0	-19.2
729.418500	35.40	---	46.00	10.60	100.0	H	249.0	-7.9
845.091000	37.27	---	46.00	8.73	100.0	H	0.0	-6.0

12/8/2020

4:34:51 PM

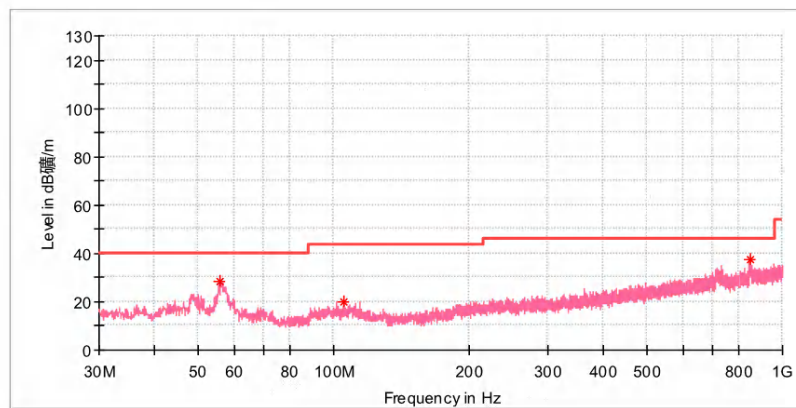
EMI Auto Test(1)

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Test Report

EUT Information

EUT Name:	Mi True Wireless Earphones 2 Basic
Model:	TWSEJ08WM
Test Mode:	TX_BLE_High Channel
Test Voltage:	Via USB port
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)
55.899000	28.14	---	40.00	11.86	100.0	V	256.0	-18.8
105.029500	19.92	---	43.50	23.58	100.0	V	304.0	-19.1
846.303500	37.79	---	46.00	8.21	100.0	V	90.0	-6.0

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4:34:51 PM

1GHz-18GHz

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

Left earphone

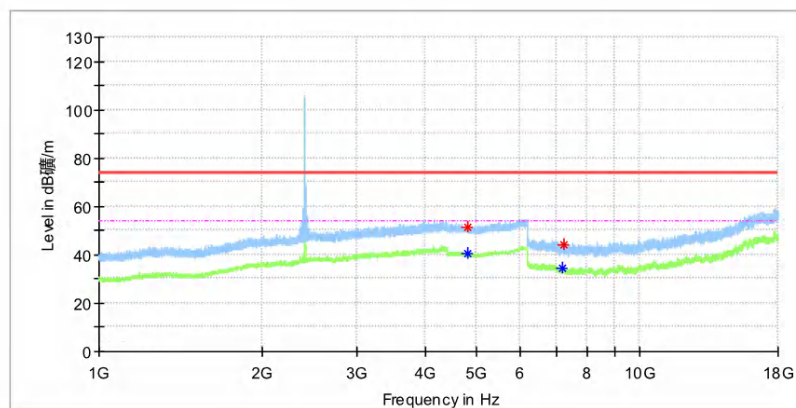
EMI Auto Test(1)

1 / 6

Test Report

EUT Information

EUT Name:	Mi True Wireless Earphones 2 Basic
Model:	TWSEJ08WM
TestMode:	BLE_Low
TestVoltage::	Via USB port
Remark:	Temp 22 Humi:50%
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)
4804.000000	51.28	---	74.00	22.72	100.0	H	207.0	13.6
4804.000000	---	40.52	54.00	13.48	100.0	H	207.0	13.6
7203.983333	---	34.40	54.00	19.60	100.0	H	4.0	8.8
7211.850000	44.11	---	74.00	29.89	100.0	H	202.0	8.7

Final Result

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

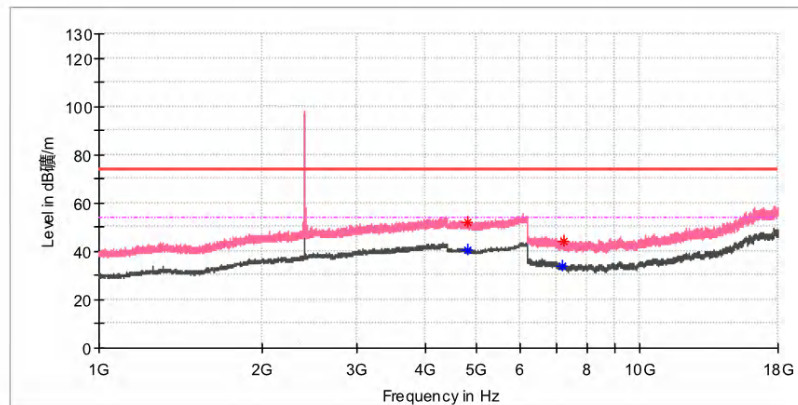
EMI Auto Test(1)

2 / 6

Test Report

EUT Information

EUT Name:	Mi True Wireless Earphones 2 Basic
Model:	TWSEJ08WM
Test Mode:	BLE_Low
Test Voltage:	Via USB port
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)
4803.500000	---	40.46	54.00	13.54	100.0	V	171.0	13.6
4806.500000	52.29	---	74.00	21.71	100.0	V	49.0	13.6
7205.950000	---	33.85	54.00	20.15	100.0	V	359.0	8.8
7211.358333	44.21	---	74.00	29.79	100.0	V	322.0	8.7

Final Result

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

12/8/2020

8:20:55 AM

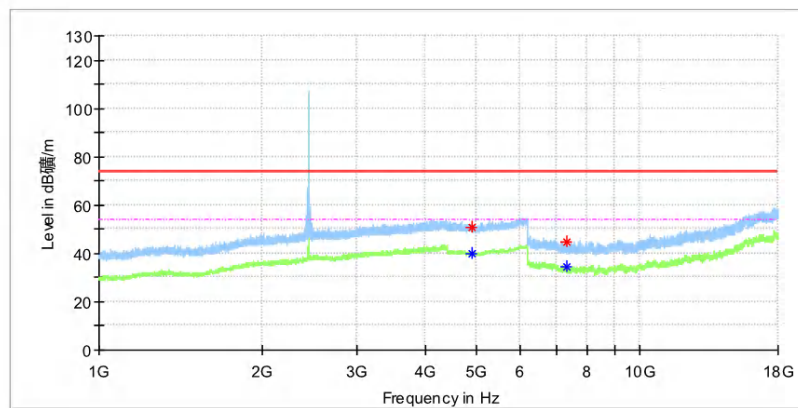
EMI Auto Test(1)

3 / 6

Test Report

EUT Information

EUT Name:	Mi True Wireless Earphones 2 Basic
Model:	TWSEJ08WM
Test Mode:	BLE_Mid
Test Voltage::	Via USB port
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)
4879.000000	50.92	---	74.00	23.08	100.0	H	149.0	13.4
4880.000000	---	39.95	54.00	14.05	100.0	H	251.0	13.4
7324.441667	44.91	---	74.00	29.09	100.0	H	31.0	8.2
7326.900000	---	34.51	54.00	19.49	100.0	H	232.0	8.1

Final Result

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

12/8/2020

8:20:55 AM

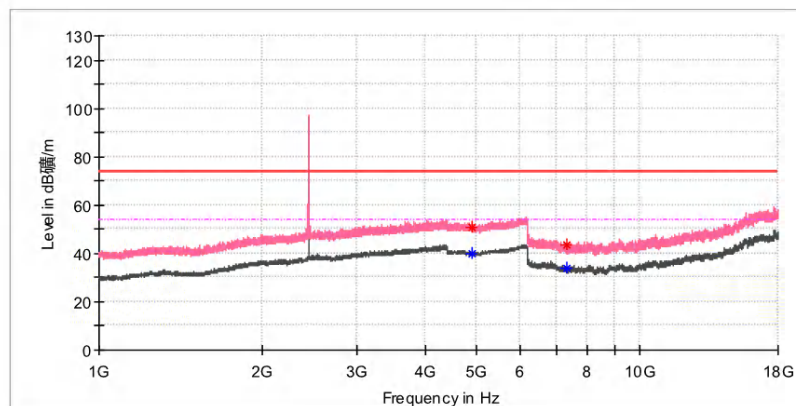
EMI Auto Test(1)

4 / 6

Test Report

EUT Information

EUT Name:	Mi True Wireless Earphones 2 Basic
Model:	TWSEJ08WM
Test Mode:	BLE_Mid
Test Voltage::	Via USB port
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)
4880.000000	---	39.99	54.00	14.01	100.0	V	4.0	13.4
4883.500000	50.50	---	74.00	23.50	100.0	V	59.0	13.4
7317.066667	43.59	---	74.00	30.41	100.0	V	320.0	8.2
7324.441667	---	33.99	54.00	20.01	100.0	V	139.0	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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8:20:55 AM

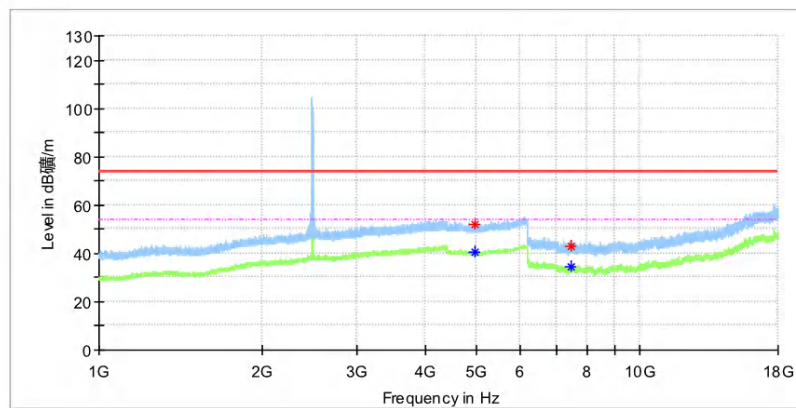
EMI Auto Test(1)

5 / 6

Test Report

EUT Information

EUT Name:	Mi True Wireless Earphones 2 Basic
Model:	TWSEJ08WM
Test Mode:	BLE_Mid
Test Voltage:	Via USB port
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)
4959.500000	---	40.55	54.00	13.45	100.0	H	0.0	13.2
4965.000000	52.00	---	74.00	22.00	100.0	H	25.0	13.2
7440.966667	43.13	---	74.00	30.87	100.0	H	198.0	8.4
7444.408333	---	34.27	54.00	19.73	100.0	H	198.0	8.5

Final Result

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

12/8/2020

8:20:55 AM

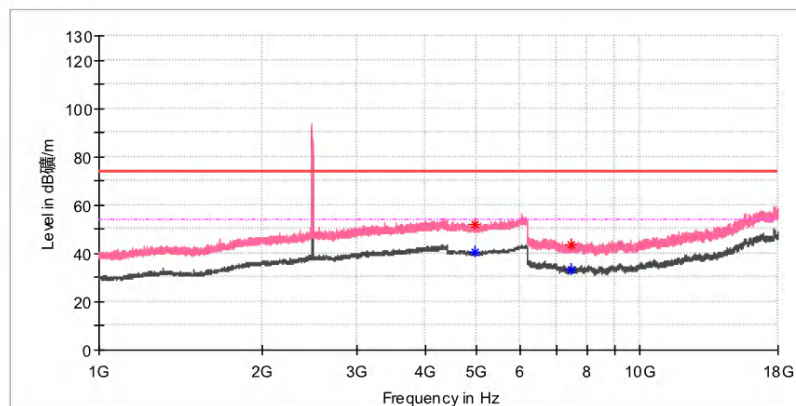
EMI Auto Test(1)

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Test Report

EUT Information

EUT Name:	Mi True Wireless Earphones 2 Basic
Model:	TWSEJ08WM
Test Mode:	BLE_Mid
Test Voltage:	Via USB port
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)
4960.500000	51.72	---	74.00	22.28	100.0	V	356.0	13.2
4962.500000	---	40.51	54.00	13.49	100.0	V	356.0	13.2
7439.000000	43.43	---	74.00	30.57	100.0	V	80.0	8.4
7440.966667	---	33.34	54.00	20.66	100.0	V	109.0	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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Right earphone

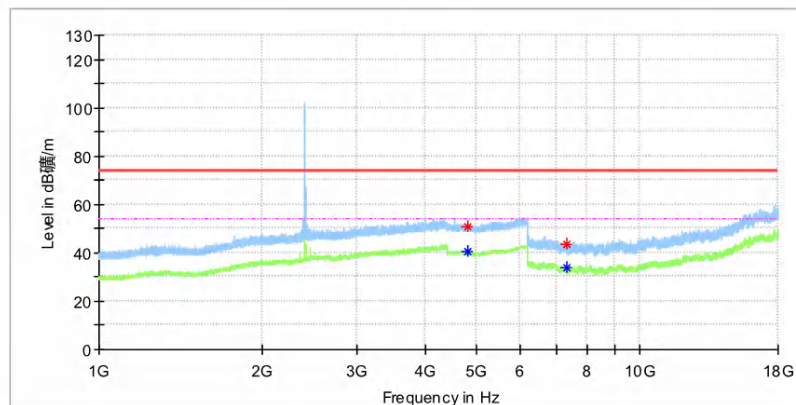
EMI Auto Test(1)

1 / 6

Test Report

EUT Information

EUT Name: Mi True Wireless Earphones 2 Basic
Model: TWSEJ08WM
Test Mode: BLE_Low
Test Voltage: Via USB port
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)
4803.500000	51.00	---	74.00	23.00	100.0	H	211.0	13.6
4804.000000	---	40.48	54.00	13.52	100.0	H	175.0	13.6
7204.775000	---	33.74	54.00	20.26	100.0	H	104.0	8.3
7211.658333	43.26	---	74.00	30.74	100.0	H	3.0	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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5:36:16 PM

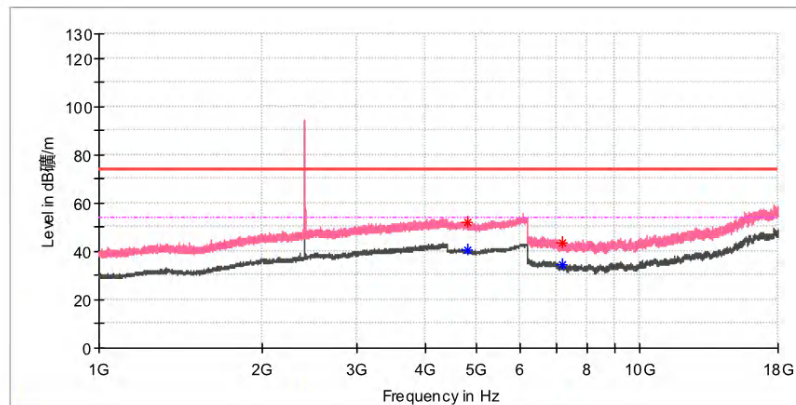
EMI Auto Test(1)

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Test Report

EUT Information

EUT Name:	Mi True Wireless Earphones 2 Basic
Model:	TWSEJ08WM
TestMode:	BLE_Low
TestVoltage::	Via USB port
Remark:	Temp 22 Humi:50%
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	51.75	---	74.00	22.25	100.0	V	23.0	13.6
4804.000000	---	40.50	54.00	13.50	100.0	V	8.0	13.6
7205.458333	43.44	---	74.00	30.56	100.0	V	158.0	8.8
7207.425000	---	34.58	54.00	19.42	100.0	V	22.0	8.8

Final Result

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

11/8/2020

5:36:16 PM

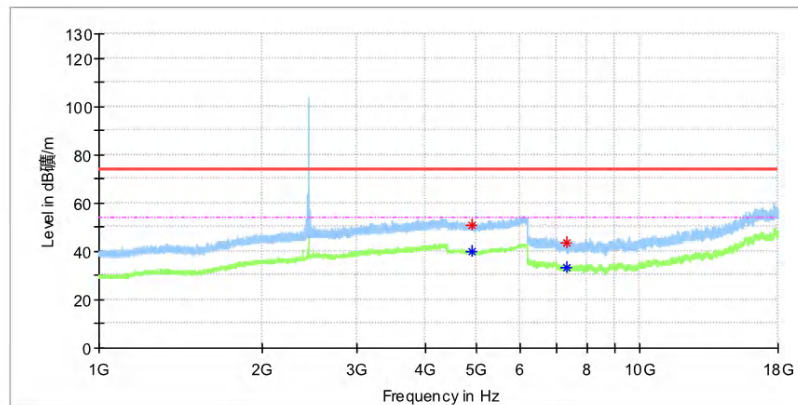
EMI Auto Test(1)

3 / 6

Test Report

EUT Information

EUT Name:	Mi True Wireless Earphones 2 Basic
Model:	TWSEJ08WM
TestMode:	BLE_Mid
TestVoltage::	Via USB port
Remark:	Temp 22 Humi:50%
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)
4879.000000	---	39.86	54.00	14.14	100.0	H	170.0	13.4
4883.500000	50.87	---	74.00	23.13	100.0	H	170.0	13.4
7320.508333	---	33.37	54.00	20.63	100.0	H	102.0	8.2
7327.391667	43.52	---	74.00	30.48	100.0	H	84.0	8.1

Final Result

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

11/8/2020

5:36:16 PM

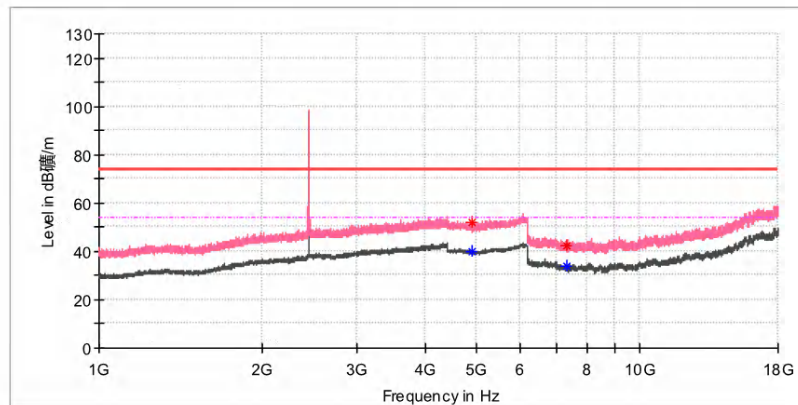
EMI Auto Test(1)

4 / 6

Test Report

EUT Information

EUT Name:	Mi True Wireless Earphones 2 Basic
Model:	TWSEJ08WM
Test Mode:	BLE_Mid
Test Voltage:	Via USB port
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)
4879.500000	---	39.64	54.00	14.36	100.0	V	52.0	13.4
4887.500000	51.77	---	74.00	22.23	100.0	V	292.0	13.3
7319.525000	---	33.67	54.00	20.33	100.0	V	227.0	8.2
7321.983333	42.42	---	74.00	31.59	100.0	V	161.0	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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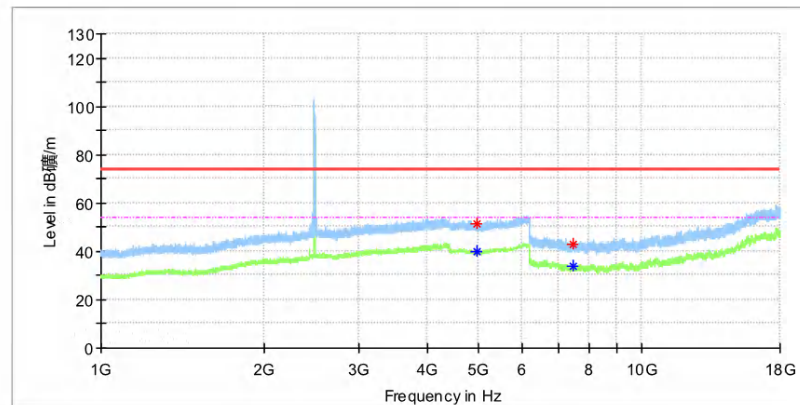
EMI Auto Test(1)

5 / 6

Test Report

EUT Information

EUT Name:	Mi True Wireless Earphones 2 Basic
Model:	TWSEJ08WM
TestMode:	BLE_High
TestVoltage::	Via USB port
Remark:	Temp 22 Humi:50%
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)
4960.000000	---	40.21	54.00	13.79	100.0	H	248.0	13.2
4960.500000	51.39	---	74.00	22.61	100.0	H	309.0	13.2
7439.491667	---	33.63	54.00	20.37	100.0	H	237.0	8.4
7440.966667	43.00	---	74.00	31.00	100.0	H	5.0	8.4

Final Result

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

11/8/2020

5:36:16 PM

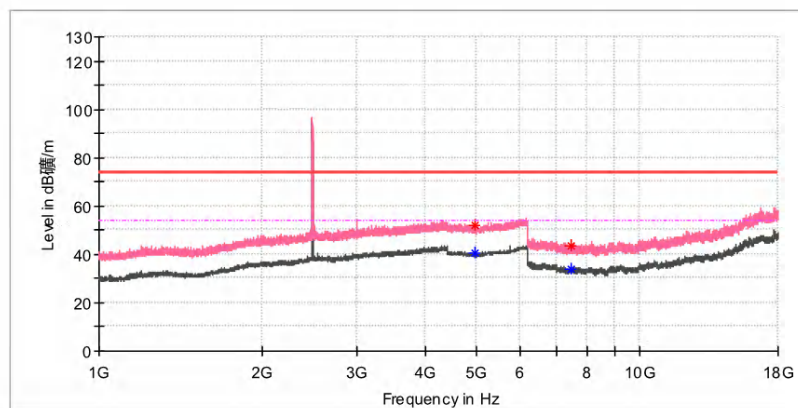
EMI Auto Test(1)

6 / 6

Test Report

EUT Information

EUT Name:	Mi True Wireless Earphones 2 Basic
Model:	TWSEJ08WM
Test Mode:	BLE_High
Test Voltage:	Via USB port
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)
4960.000000	---	40.29	54.00	13.71	100.0	V	104.0	13.2
4962.500000	51.96	---	74.00	22.04	100.0	V	335.0	13.2
7442.441667	---	33.57	54.00	20.43	100.0	V	0.0	8.4
7447.358333	43.50	---	74.00	30.50	100.0	V	353.0	8.5

Final Result

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

11/8/2020

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Appendix C.6: Test Results of Radiated Emissions in Restricted Bands

Left earphone

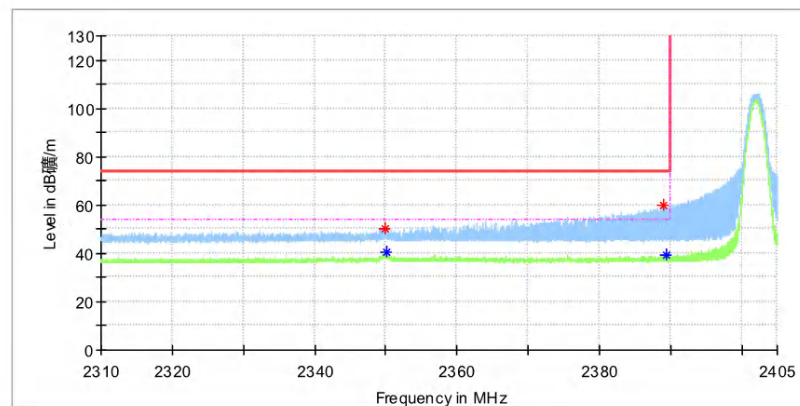
EMI Auto Test(1)

1 / 4

Test Report

EUT Information

EUT Name:	Mi True Wireless Earphones 2 Basic
Model:	TWSEJ08WM
Test Mode:	BLE_Low
Test Voltage::	Via USB port
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)
2349.828750	50.17	---	74.00	23.83	100.0	H	228.0	6.9
2350.054375	---	40.54	54.00	13.46	100.0	H	228.0	6.9
2389.051875	59.87	---	74.00	14.13	100.0	H	228.0	7.0
2389.360625	---	39.13	54.00	14.87	100.0	H	214.0	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)
---	---	---	---	---	---	---	---	---

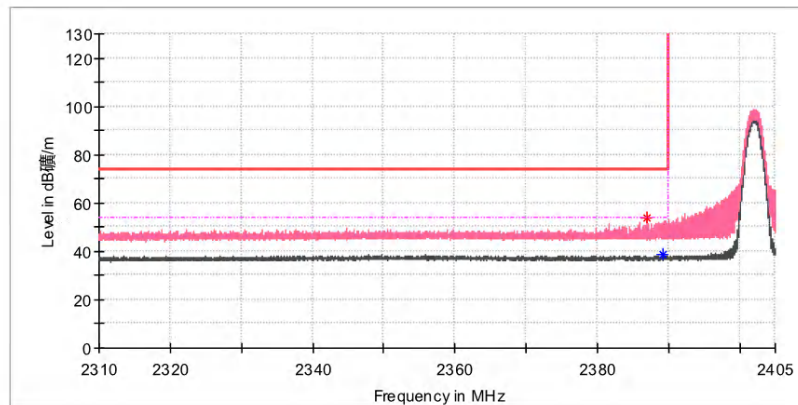
EMI Auto Test(1)

2 / 4

Test Report

EUT Information

EUT Name:	Mi True Wireless Earphones 2 Basic
Model:	TWSEJ08WM
TestMode:	BLE_Low
TestVoltage::	Via USB port
Remark:	Temp 22 Humi:50%
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)
2386.932188	53.90	---	74.00	20.10	100.0	V	304.0	7.0
2389.170625	---	38.66	54.00	15.34	100.0	V	160.0	7.0

Final_Result

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

12/8/2020

8:23:02 AM

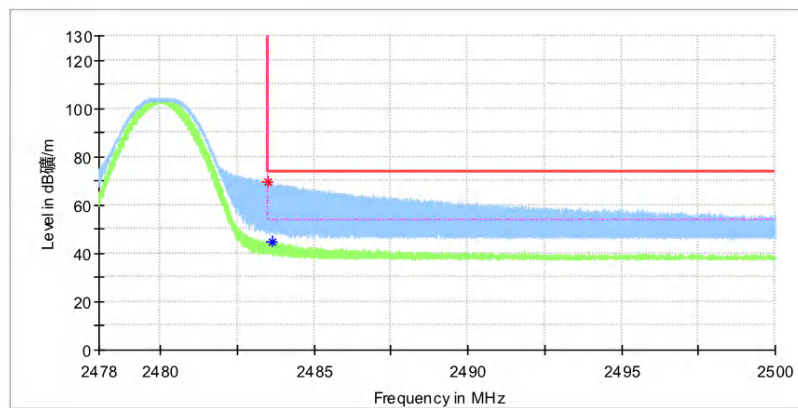
EMI Auto Test(1)

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Test Report

EUT Information

EUT Name:	Mi True Wireless Earphones 2 Basic
Model:	TWSEJ08WM
Test Mode:	BLE_High
Test Voltage::	Via USB port
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)
2483.523375	69.45	---	74.00	4.55	100.0	H	246.0	7.4
2483.656750	---	45.03	54.00	8.97	100.0	H	246.0	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)
---	---	---	---	---	---	---	---	---

12/8/2020

8:23:02 AM

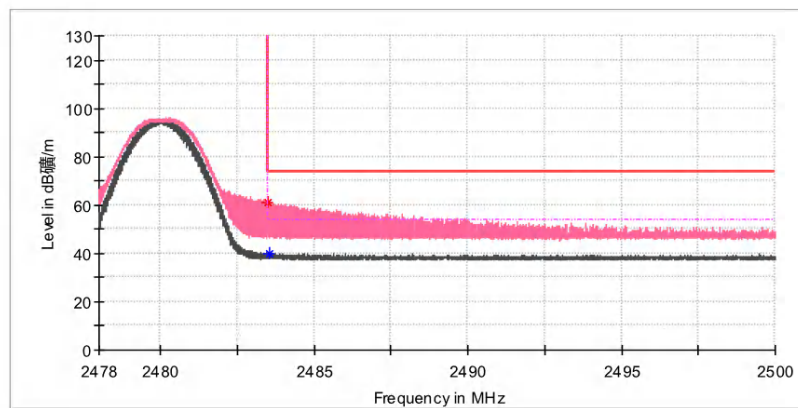
EMI Auto Test(1)

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Test Report

EUT Information

EUT Name:	Mi True Wireless Earphones 2 Basic
Model:	TWSEJ08WM
Test Mode:	BLE_High
Test Voltage::	Via USB port
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)
2483.522000	61.22	---	74.00	12.78	100.0	V	341.0	7.4
2483.548125	---	40.14	54.00	13.86	100.0	V	341.0	7.4

Final Result

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

12/8/2020

8:23:02 AM

Right earphone

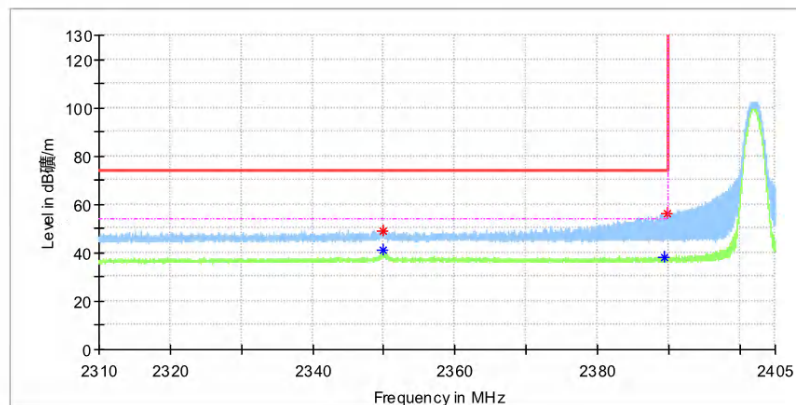
EMI Auto Test(1)

1 / 4

Test Report

EUT Information

EUT Name:	Mi True Wireless Earphones 2 Basic
Model:	TWSEJ08WM
Test Mode:	BLE_Low
Test Voltage::	Via USB port
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)
2349.852500	---	40.84	54.00	13.16	100.0	H	105.0	6.9
2349.923750	49.00	---	74.00	25.00	100.0	H	320.0	6.9
2389.443750	---	38.05	54.00	15.95	100.0	H	143.0	7.0
2389.841563	56.14	---	74.00	17.86	100.0	H	118.0	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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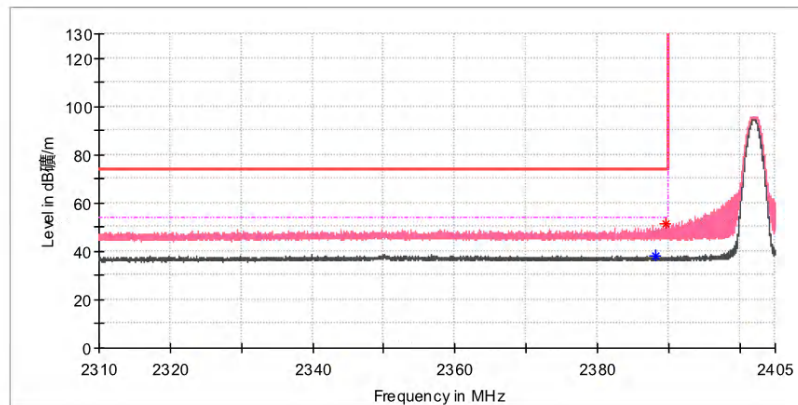
EMI Auto Test(1)

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Test Report

EUT Information

EUT Name:	Mi True Wireless Earphones 2 Basic
Model:	TWSEJ08WM
TestMode:	BLE_Low
TestVoltage::	Via USB port
Remark:	Temp 22 Humi:50%
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)
2388.297813	---	37.82	54.00	16.18	100.0	V	183.0	7.0
2389.740625	51.35	---	74.00	22.65	100.0	V	249.0	7.0

Final_Result

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

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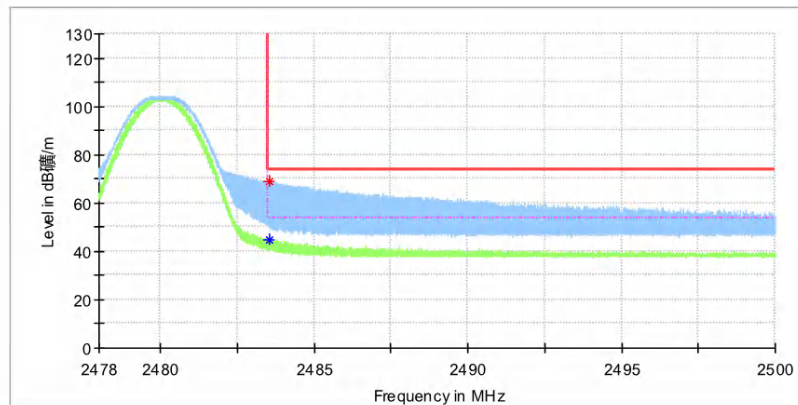
EMI Auto Test(1)

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Test Report

EUT Information

EUT Name:	Mi True Wireless Earphones 2 Basic
Model:	TWSEJ08WM
TestMode:	BLE_High
Test Voltage::	Via USB port
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)
2483.545375	---	44.66	54.00	9.34	100.0	H	90.0	7.4
2483.545375	68.87	---	74.00	5.13	100.0	H	90.0	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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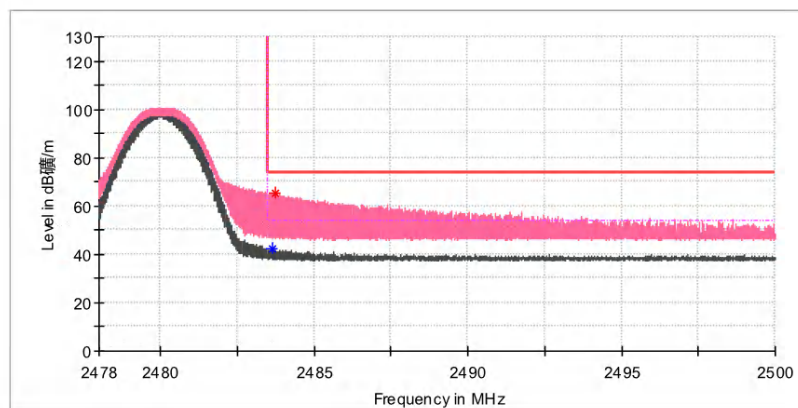
EMI Auto Test(1)

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Test Report

EUT Information

EUT Name:	Mi True Wireless Earphones 2 Basic
Model:	TWSEJ08WM
TestMode:	BLE_High
TestVoltage::	Via USB port
Remark:	Temp 22 Humi:50%
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)
2483.648500	---	42.31	54.00	11.69	100.0	V	172.0	7.4
2483.728250	65.14	---	74.00	8.86	100.0	V	172.0	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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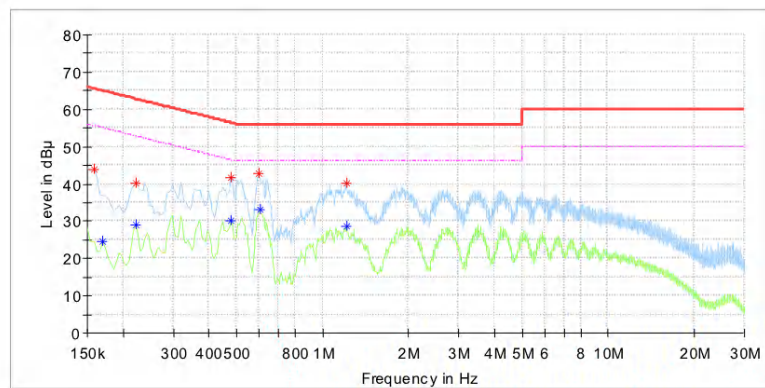
Appendix C.7: Test Results of Conducted Emission on AC Mains BT connecting mode

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EMC32 Report

EUT Information

EUT Name:	Mi True Wireless Earphones
Model:	TWSEJ08WM
Order No.:	168275244 30
Test Mode:	Charging + BT connecting mode
Test Voltage:	Via charger box
Test By:	OUYANG
Review By:	Gary Chen
Remark:	SR2



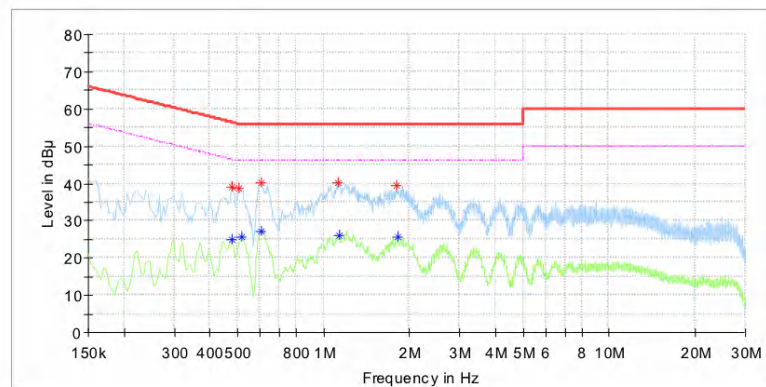
Critical Freqs

Frequency (MHz)	MaxPeak (dB μ V)	Average (dB μ V)	Limit (dB μ V)	Margin (dB)	Line	Corr. (dB)
0.158000	43.73	---	65.57	21.83	L1	9.7
0.170000	---	24.73	54.96	30.23	L1	9.7
0.222000	40.03	---	62.74	22.72	L1	9.7
0.222000	---	29.01	52.74	23.74	L1	9.7
0.478000	---	30.16	46.37	16.21	L1	9.7
0.478000	41.83	---	56.37	14.54	L1	9.7
0.596000	42.85	---	56.00	13.15	L1	9.8
0.604000	---	33.11	46.00	12.89	L1	9.8
1.212000	---	28.50	46.00	17.50	L1	9.8
1.212000	40.06	---	56.00	15.94	L1	9.8

EMC32 Report

EUT Information

EUT Name:	Mi True Wireless Earphones
Model:	TWSEJ08WM
Order No.:	168275244 30
Test Mode:	Charging + BT connecting mode
Test Voltage:	Via charger box
Test By:	OUYANG
Review By:	Gary Chen
Remark:	SR2



Critical Freqs

Frequency (MHz)	MaxPeak (dB μ /V)	Average (dB μ /V)	Limit (dB μ /V)	Margin (dB)	Line	Corr. (dB)
0.478000	---	24.77	46.37	21.60	N	9.6
0.478000	39.02	---	56.37	17.35	N	9.6
0.504000	38.86	---	56.00	17.14	N	9.6
0.516000	---	25.74	46.00	20.26	N	9.6
0.604000	40.36	---	56.00	15.64	N	9.6
0.604000	---	27.18	46.00	18.82	N	9.6
1.128000	40.35	---	56.00	15.65	N	9.6
1.140000	---	25.99	46.00	20.01	N	9.6
1.792000	39.51	---	56.00	16.49	N	9.6
1.824000	---	25.84	46.00	20.16	N	9.6