

## Appendix B: Test Results of FCC 15B & ICES-003

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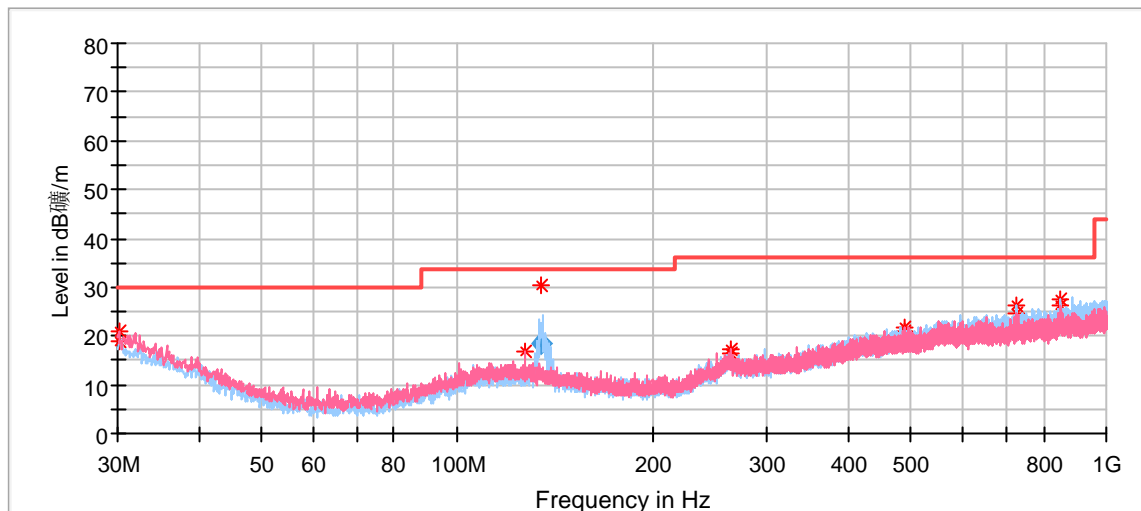
## Appendix B.1: Test Plots of Radiated Emission, Below 1GHz

Note: The following illustration shows the limit that meet the FCC requirements, and these measured value also comply with IC requirements.

BT+NB+Normal Operating+LED on (AC power)

### EUT Information

EUT Name:	Amazon Locker
Order Number:	168310149 50
Model:	ZL-ODIN-V1
Test Mode:	BT+NB+LED on+Normal Operating
Test Voltage:	AC 120V/60Hz
Test By:	Shower Dai
Review By:	Gary Chen
Remark:	10m Chamber



### Critical\_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
30.107778	21.10	30.00	8.90	200.0	V	197.0	-4.8
30.269444	18.86	30.00	11.14	300.0	H	197.0	-11.5
127.269444	16.70	33.50	16.80	300.0	V	134.0	-11.5
134.340556	30.39	33.50	3.11	328.0	H	177.0	-17.4
264.039444	16.27	36.00	19.73	300.0	H	171.0	-13.9
264.093333	17.35	36.00	18.65	300.0	V	197.0	-9.4
487.840000	21.78	36.00	14.22	100.0	V	248.0	-6.0
488.810000	20.77	36.00	15.23	300.0	H	117.0	-10.1
728.723333	26.30	36.00	9.70	100.0	H	96.0	-7.1
728.777222	24.51	36.00	11.49	200.0	V	45.0	-4.1
852.560000	27.50	36.00	8.50	300.0	H	157.0	-5.3
852.613889	26.29	36.00	9.71	100.0	V	317.0	-2.9

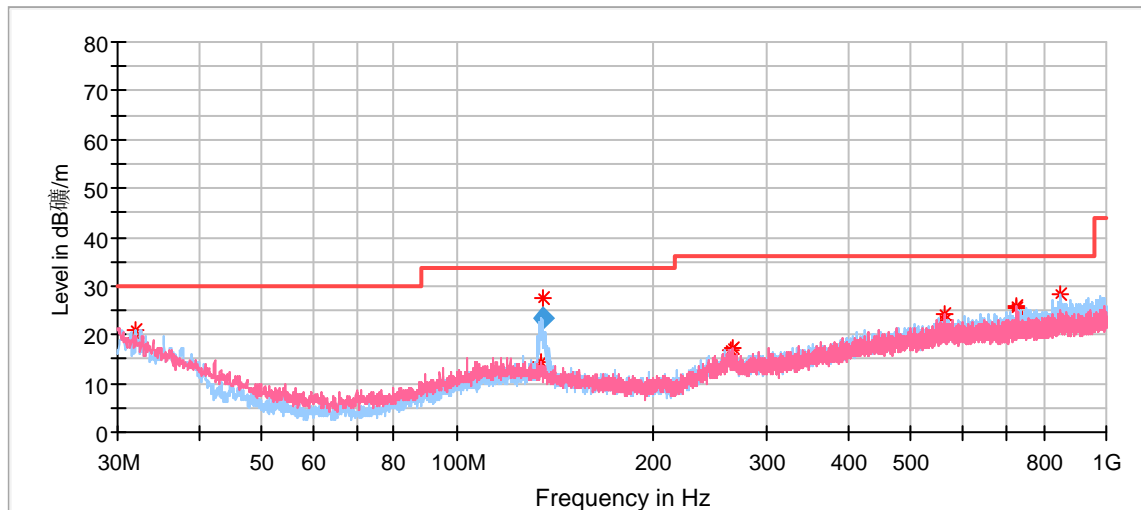
### Final\_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
134.340556	18.54	33.50	14.96	1000.0	120.000	328.0	H	177.0	-17.4

BT+NB+Normal Operating+LED on (Battery)

## EUT Information

EUT Name:	Amazon Locker
Order Number:	168310149 50
Model:	ZL-ODIN-V1
Test Mode:	BT+NB+LED on+Normal Operating
Test Voltage:	Battery
Test By:	Shower Dai
Review By:	Gary Chen
Remark:	10m Chamber



## Critical\_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
31.993889	20.81	30.00	9.19	200.0	H	0.0	-12.7
32.047778	19.29	30.00	10.71	200.0	V	101.0	-6.0
134.598333	14.32	33.50	19.18	300.0	V	159.0	-12.0
135.723333	27.37	33.50	6.13	350.0	H	166.0	-17.3
264.847778	16.95	36.00	19.05	200.0	H	346.0	-14.0
264.955556	17.05	36.00	18.95	300.0	V	218.0	-9.5
561.613889	24.29	36.00	11.71	200.0	V	218.0	-4.3
562.098889	22.86	36.00	13.14	100.0	H	270.0	-8.2
728.992778	25.75	36.00	10.25	200.0	V	294.0	-4.1
729.208333	25.35	36.00	10.65	300.0	H	11.0	-7.0
852.560000	28.46	36.00	7.54	100.0	H	7.0	-5.3
852.613889	24.64	36.00	11.36	300.0	V	150.0	-2.9

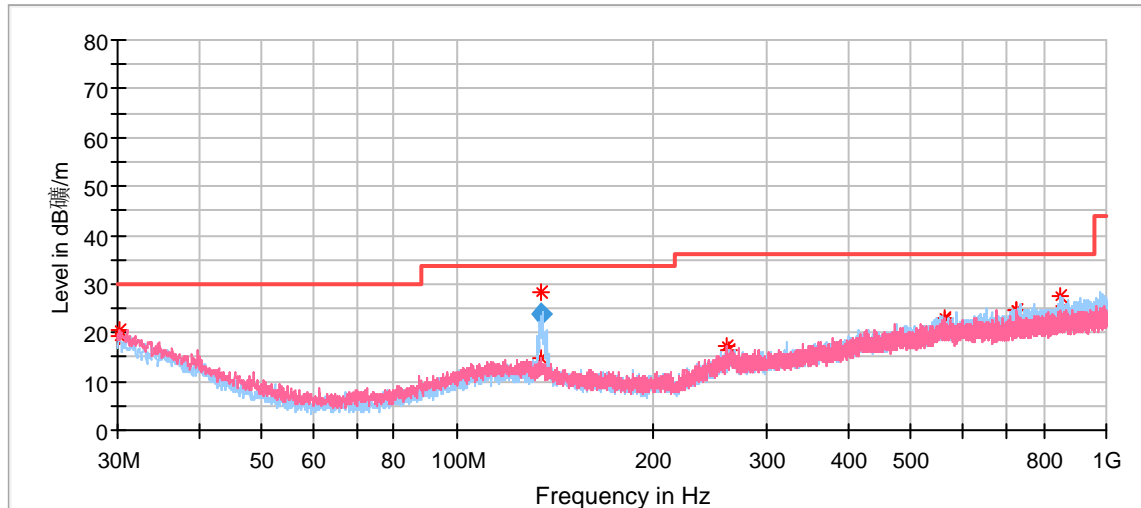
## Final\_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
135.723333	23.27	33.50	10.23	1000.0	120.000	350.0	H	166.0	-17.3

BT+GPRS+Normal Operating+LED on(AC power)

## EUT Information

EUT Name:	Amazon Locker
Order Number:	168310149 50
Model:	ZL-ODIN-V1
Test Mode:	BT+GPRS+LED on+Normal Operating
Test Voltage:	AC 120V/60Hz
Test By:	Shower Dai
Review By:	Gary Chen
Remark:	10m Chamber



## Critical\_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
30.107778	19.30	30.00	10.70	200.0	H	331.0	-11.4
30.161667	20.46	30.00	9.54	300.0	V	94.0	-4.8
134.382778	14.88	33.50	18.62	200.0	V	284.0	-12.0
134.660556	28.13	33.50	5.37	309.0	H	161.0	-17.4
260.913889	17.27	36.00	18.73	100.0	V	73.0	-9.5
262.207222	16.25	36.00	19.76	300.0	H	292.0	-13.9
563.338333	22.91	36.00	13.09	300.0	V	0.0	-4.3
563.553889	22.54	36.00	13.46	200.0	H	37.0	-8.2
729.154444	24.72	36.00	11.28	200.0	V	131.0	-4.1
729.208333	24.73	36.00	11.27	200.0	H	167.0	-7.0
852.560000	27.58	36.00	8.42	200.0	H	69.0	-5.3
852.613889	24.62	36.00	11.38	300.0	V	296.0	-2.9

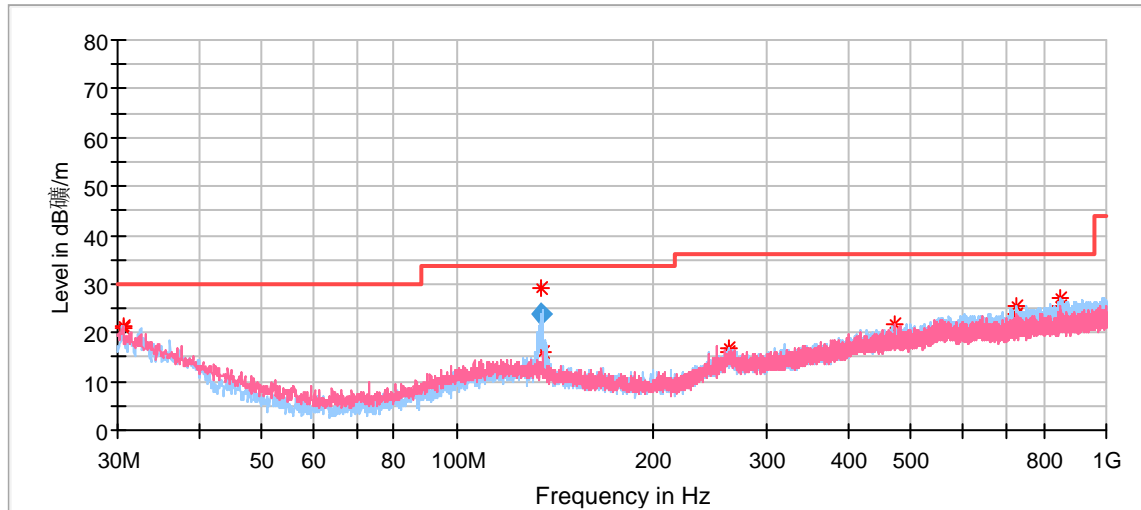
## Final\_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
134.660556	23.68	33.50	9.82	1000.0	120.000	309.0	H	161.0	-17.4

BT+GPRS+Normal Operating+LED on (Battery)

## EUT Information

EUT Name: Amazon Locker  
Order Number: 168310149 50  
Model: ZL-ODIN-V1  
Test Mode: BT+GPRS+LED on+Normal Operating  
Test Voltage: Battery  
Test By: Shower Dai  
Review By: Gary Chen  
Remark: 10m Chamber



## Critical\_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
30.538889	21.51	30.00	8.49	300.0	H	2.0	-11.7
30.592778	20.96	30.00	9.04	300.0	V	74.0	-5.1
134.258889	29.18	33.50	4.32	350.0	H	167.0	-17.4
135.245000	15.99	33.50	17.51	100.0	V	165.0	-12.1
261.291111	16.99	36.00	19.01	300.0	H	350.0	-14.0
262.207222	16.17	36.00	19.83	300.0	V	282.0	-9.4
470.541667	19.97	36.00	16.03	200.0	H	118.0	-10.1
470.703333	21.79	36.00	14.21	200.0	V	167.0	-6.1
728.507778	23.95	36.00	12.05	200.0	V	242.0	-4.1
728.938889	25.39	36.00	10.61	300.0	H	34.0	-7.0
852.560000	25.24	36.00	10.76	200.0	V	70.0	-2.9
852.613889	27.01	36.00	8.99	100.0	H	242.0	-5.3

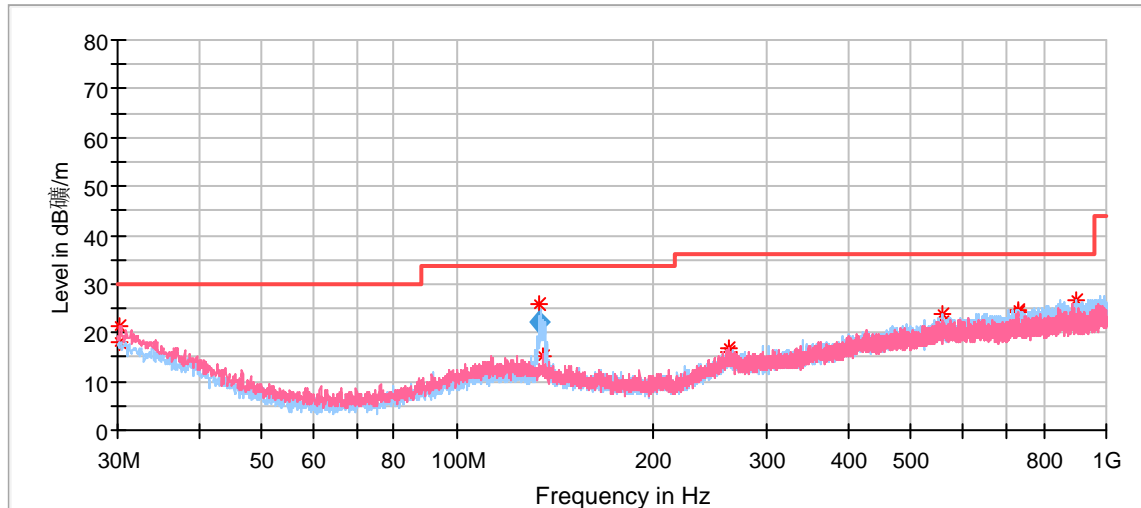
## Final\_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
134.258889	23.63	33.50	9.87	1000.0	120.000	350.0	H	167.0	-17.4

BT+EMTC+Normal Operating+LED on (AC power)

## EUT Information

EUT Name:	Amazon Locker
Order Number:	168310149 50
Model:	ZL-ODIN-V1
Test Mode:	BT+EMTC+LED on+Normal Operating
Test Voltage:	AC 120V/60Hz
Test By:	Shower Dai
Review By:	Gary Chen
Remark:	10m Chamber



## Critical\_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
30.215556	18.16	30.00	11.84	300.0	H	121.0	-11.5
30.269444	21.20	30.00	8.80	200.0	V	275.0	-4.9
133.989444	25.67	33.50	7.83	324.0	H	176.0	-17.3
135.568333	15.35	33.50	18.15	100.0	V	116.0	-12.1
261.668333	16.69	36.00	19.31	200.0	V	358.0	-9.4
261.722222	16.00	36.00	20.00	100.0	H	282.0	-13.9
559.081111	23.60	36.00	12.40	100.0	H	212.0	-8.2
559.620000	22.30	36.00	13.70	200.0	V	38.0	-4.3
729.855000	24.60	36.00	11.40	100.0	H	0.0	-7.0
729.908889	24.38	36.00	11.62	200.0	V	261.0	-4.0
899.066111	23.78	36.00	12.22	100.0	V	230.0	-2.6
900.197778	26.67	36.00	9.33	200.0	H	312.0	-4.8

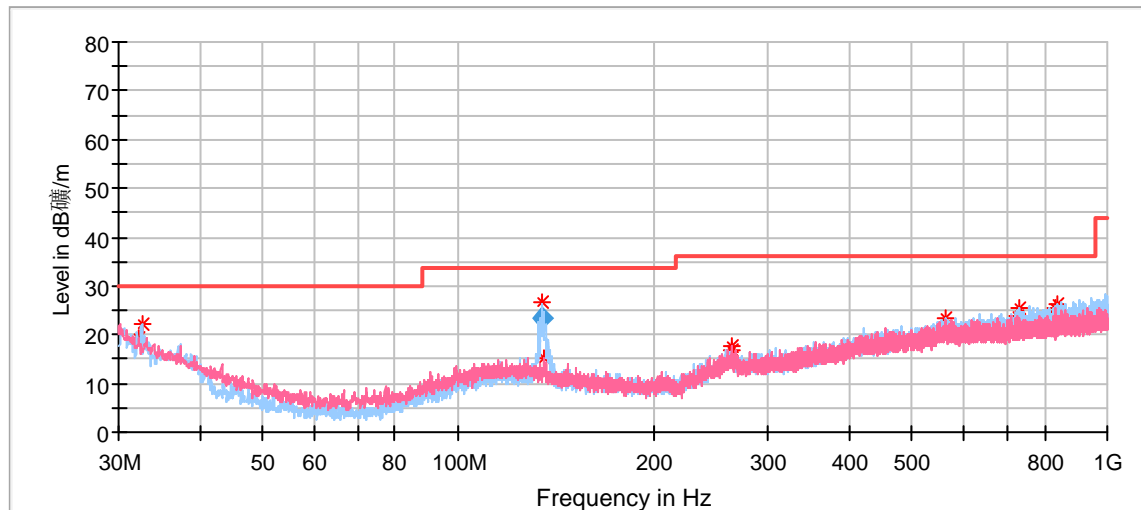
## Final\_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
133.989444	22.18	33.50	11.32	1000.0	120.000	324.0	H	176.0	-17.3

BT+EMTC+Normal Operating+LED on (Battery)

## EUT Information

EUT Name:	Amazon Locker
Order Number:	168310149 50
Model:	ZL-ODIN-V1
Test Mode:	BT+EMTC+LED on+Normal Operating
Test Voltage:	Battery
Test By:	Shower Dai
Review By:	Gary Chen
Remark:	10m Chamber



## Critical\_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
32.209444	19.16	30.00	10.84	100.0	V	321.0	-6.1
32.586667	22.03	30.00	7.97	100.0	H	164.0	-13.0
134.415556	26.47	33.50	7.03	319.0	H	175.0	-17.3
135.730000	15.17	33.50	18.33	100.0	V	56.0	-12.2
264.093333	17.47	36.00	18.53	200.0	V	25.0	-9.4
264.740000	16.93	36.00	19.07	100.0	H	255.0	-14.0
562.961111	21.86	36.00	14.14	100.0	V	56.0	-4.3
563.715556	23.25	36.00	12.75	100.0	H	138.0	-8.2
728.453889	23.89	36.00	12.11	100.0	V	101.0	-4.1
729.747222	25.26	36.00	10.74	100.0	H	142.0	-7.0
834.453333	25.44	36.00	10.56	200.0	V	78.0	-3.2
835.100000	26.37	36.00	9.63	300.0	H	286.0	-5.7

## Final\_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
134.415556	23.43	33.50	10.07	1000.0	120.000	319.0	H	175.0	-17.3

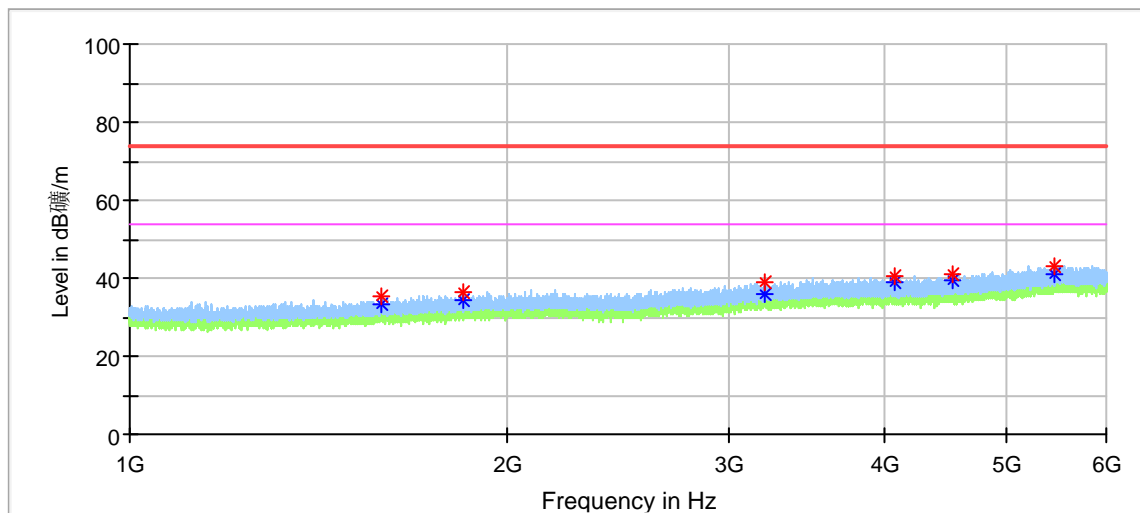
## Appendix B.2: Test Plots of Radiated Emission, Above 1GHz

Note: Testing was carried out within frequency range 30MHz to the 5<sup>th</sup> harmonics. The measurement results above 6GHz were greater than 20dB below the limit, so only record the test result within the 30MHz to 6GHz.

*BT+NB+Normal Operating+LED on (AC power)*

### EUT Information

EUT Name:	Amazon Locker
Order Number:	168310149 50
Model:	ZL-ODIN-V1
Test Mode:	BT+NB+LED on+Normal Operating
Test Voltage:	AC 120V/60Hz
Test By:	Shower Dai
Review By:	Gary Chen
Remark:	10M Chamber



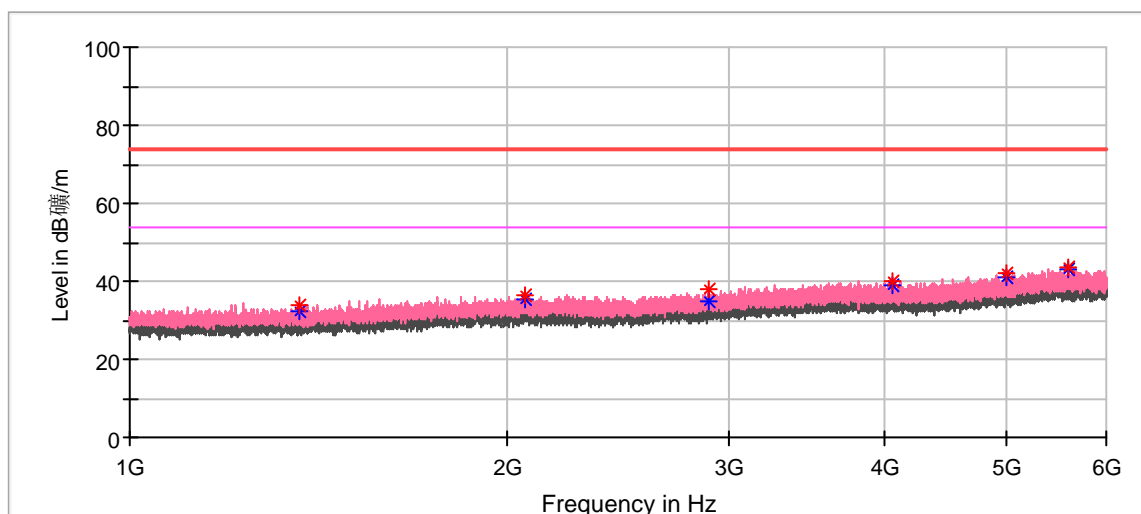
### Critical\_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margi n	Height (cm)	Pol	Azimuth (deg)
1584.583333	---	33.18	54.00	20.82	100.0	H	326.0
1584.583333	35.35	---	74.00	38.65	100.0	H	326.0
1841.458333	---	34.50	54.00	19.50	200.0	H	186.0
1841.458333	36.48	---	74.00	37.52	200.0	H	186.0
3206.666667	---	35.78	54.00	18.22	200.0	H	196.0
3206.875000	39.18	---	74.00	34.82	200.0	H	196.0
4070.208333	---	38.76	54.00	15.24	200.0	H	350.0
4070.208333	40.57	---	74.00	33.43	200.0	H	350.0
4520.208333	---	39.45	54.00	14.55	200.0	H	126.0
4520.208333	41.24	---	74.00	32.76	200.0	H	126.0
5450.625000	---	40.81	54.00	13.19	200.0	H	105.0
5450.625000	43.20	---	74.00	30.80	200.0	H	105.0



### EUT Information

EUT Name: Amazon Locker  
 Order Number: 168310149 50  
 Model: ZL-ODIN-V1  
 Test Mode: BT+NB+LED on+Normal Operating  
 Test Voltage: AC 120V/60Hz  
 Test By: Shower Dai  
 Review By: Gary Chen  
 Remark: 10M Chamber



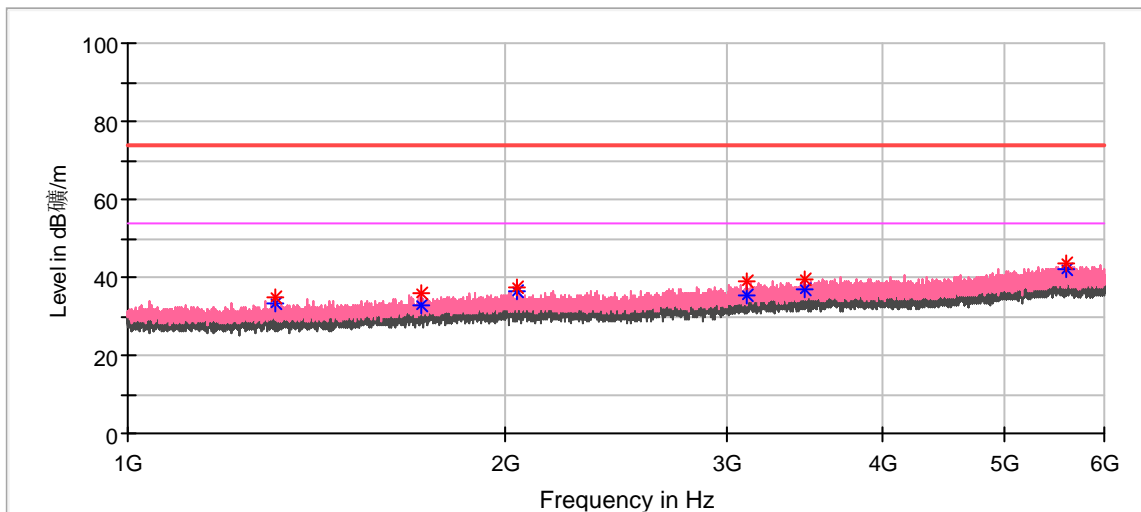
### Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margi n	Height (cm)	Pol	Azimuth (deg)
1365.416667	---	32.17	54.00	21.83	100.0	V	74.0
1365.416667	34.09	---	74.00	39.91	100.0	V	74.0
2065.000000	---	35.17	54.00	18.83	100.0	V	54.0
2065.000000	36.26	---	74.00	37.74	100.0	V	54.0
2895.208333	38.02	---	74.00	35.98	200.0	V	310.0
2896.250000	---	34.89	54.00	19.11	200.0	V	183.0
4047.083333	---	39.17	54.00	14.83	100.0	V	14.0
4047.083333	40.21	---	74.00	33.79	100.0	V	14.0
4998.333333	---	40.98	54.00	13.02	100.0	V	44.0
4998.333333	41.85	---	74.00	32.15	100.0	V	44.0
5587.500000	---	42.91	54.00	11.09	200.0	V	224.0
5587.500000	43.59	---	74.00	30.41	200.0	V	224.0



### EUT Information

EUT Name: Amazon Locker  
 Order Number: 168310149 50  
 Model: ZL-ODIN-V1  
 Test Mode: BT+NB+LED on+Normal Operating  
 Test Voltage: Battery  
 Test By: Shower Dai  
 Review By: Gary Chen  
 Remark: 10M Chamber



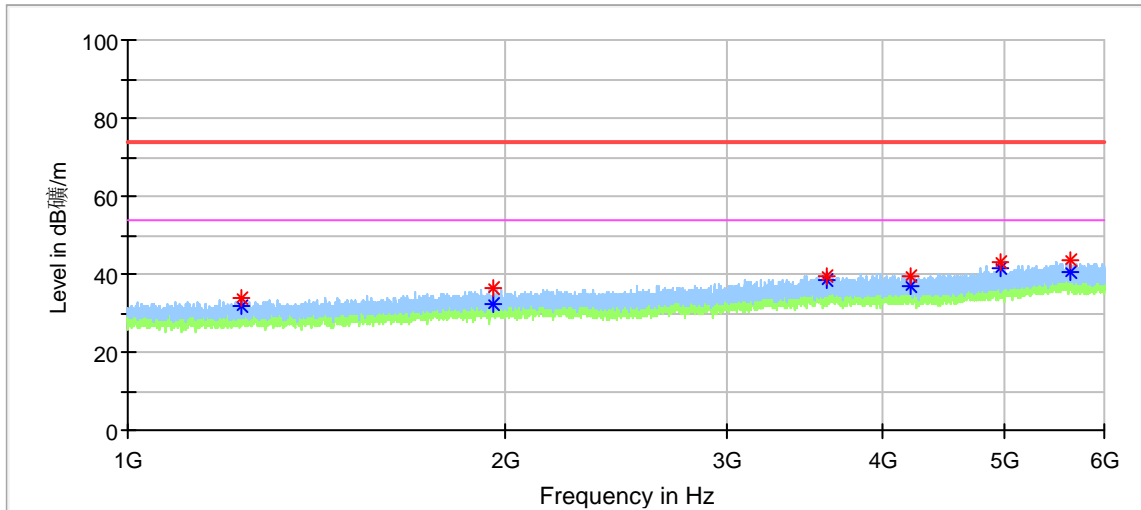
### Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margi n	Height (cm)	Pol	Azimuth (deg)
1311.041667	---	33.34	54.00	20.66	200.0	V	130.0
1311.041667	34.65	---	74.00	39.35	200.0	V	130.0
1713.958333	---	32.92	54.00	21.08	200.0	V	359.0
1713.958333	36.13	---	74.00	37.87	200.0	V	359.0
2041.250000	---	36.18	54.00	17.82	200.0	V	114.0
2041.250000	37.61	---	74.00	36.39	200.0	V	114.0
3108.333333	---	35.36	54.00	18.64	100.0	V	120.0
3108.333333	38.85	---	74.00	35.15	100.0	V	120.0
3467.916667	---	37.17	54.00	16.83	200.0	V	36.0
3467.916667	39.38	---	74.00	34.62	200.0	V	36.0
5605.000000	---	41.90	54.00	12.10	200.0	V	29.0
5605.000000	43.65	---	74.00	30.35	200.0	V	29.0

BT+GPRS+Normal Operating+LED on(AC power)

### EUT Information

EUT Name:	Amazon Locker
Order Number:	168310149 50
Model:	ZL-ODIN-V1
Test Mode:	BT+GPRS+LED on+Normal Operating
Test Voltage:	AC 120V/60Hz
Test By:	Shower Dai
Review By:	Gary Chen
Remark:	10M Chamber

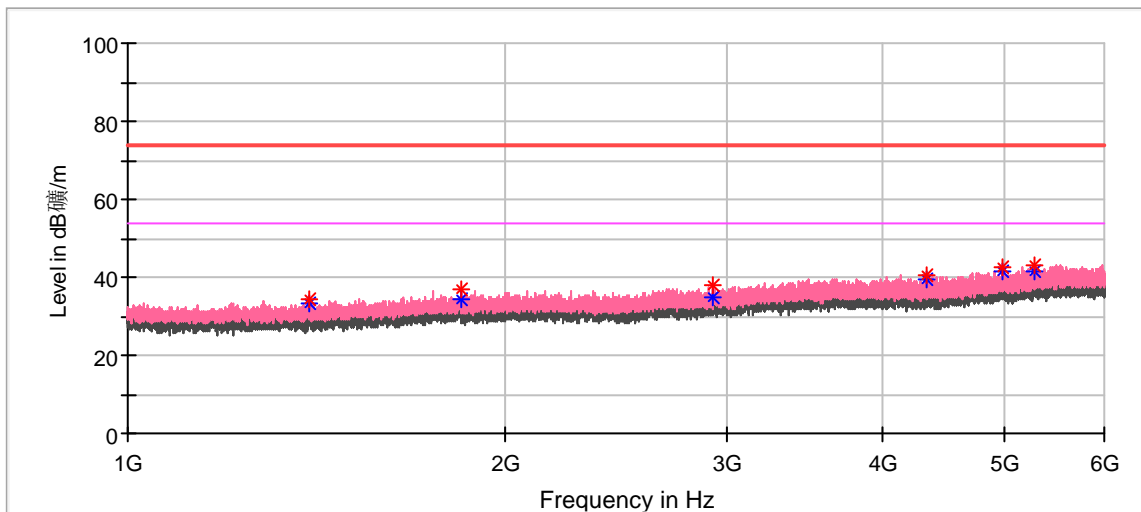


### Critical\_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin	Height (cm)	Pol	Azimuth (deg)
1230.625000	---	31.92	54.00	22.08	100.0	H	226.0
1230.625000	33.59	---	74.00	40.41	200.0	H	226.0
1954.375000	36.31	---	74.00	37.69	100.0	H	135.0
1954.583333	---	32.49	54.00	21.51	100.0	H	135.0
3600.833333	---	38.27	54.00	15.73	200.0	H	99.0
3600.833333	39.37	---	74.00	34.63	200.0	H	99.0
4209.791667	---	36.94	54.00	17.06	200.0	H	0.0
4209.791667	39.54	---	74.00	34.46	200.0	H	0.0
4952.708333	---	41.38	54.00	12.62	200.0	H	231.0
4952.708333	43.23	---	74.00	30.77	200.0	H	231.0
5638.333333	---	40.44	54.00	13.56	200.0	H	346.0
5638.333333	43.35	---	74.00	30.65	200.0	H	346.0

### EUT Information

EUT Name: Amazon Locker  
 Order Number: 168310149 50  
 Model: ZL-ODIN-V1  
 Test Mode: BT+GPRS+LED on+Normal Operating  
 Test Voltage: AC 120V/60Hz  
 Test By: Shower Dai  
 Review By: Gary Chen  
 Remark: 10M Chamber



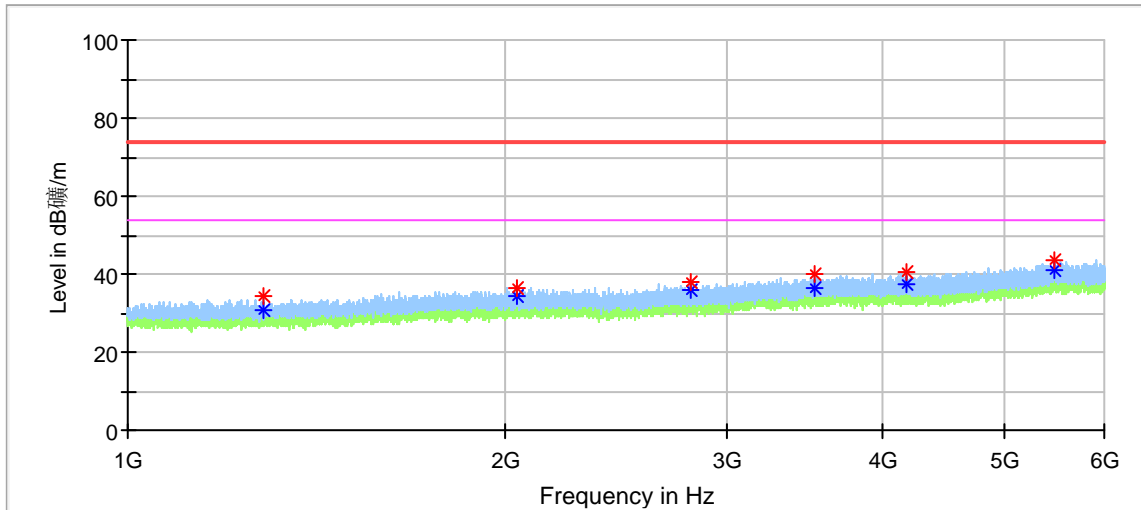
### Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margi n	Height (cm)	Pol	Azimuth (deg)
1397.083333	---	33.21	54.00	20.79	100.0	V	15.0
1397.083333	34.38	---	74.00	39.62	200.0	V	15.0
1842.916667	---	34.55	54.00	19.45	200.0	V	290.0
1842.916667	36.97	---	74.00	37.03	100.0	V	290.0
2930.625000	---	35.08	54.00	18.92	200.0	V	195.0
2930.625000	38.10	---	74.00	35.90	200.0	V	195.0
4329.166667	---	39.33	54.00	14.67	200.0	V	96.0
4329.166667	40.73	---	74.00	33.27	200.0	V	96.0
4983.958333	---	41.46	54.00	12.54	100.0	V	39.0
4983.958333	42.63	---	74.00	31.37	100.0	V	39.0
5286.666667	---	41.32	54.00	12.68	200.0	V	226.0
5286.666667	43.11	---	74.00	30.89	200.0	V	226.0

BT+GPRS+Normal Operating+LED on (Battery)

### EUT Information

EUT Name: Amazon Locker  
 Order Number: 168310149 50  
 Model: ZL-ODIN-V1  
 Test Mode: BT+GPRS+LED on+Normal Operating  
 Test Voltage: Battery  
 Test By: Shower Dai  
 Review By: Gary Chen  
 Remark: 10M Chamber

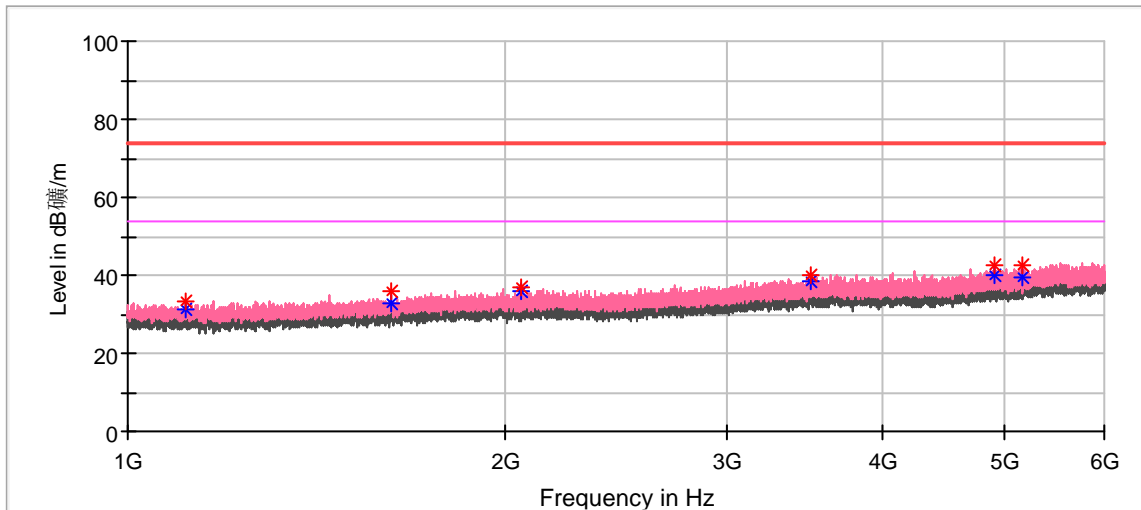


### Critical\_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin	Height (cm)	Pol	Azimuth (deg)
1283.958333	---	30.94	54.00	23.06	100.0	H	268.0
1283.958333	34.38	---	74.00	39.62	100.0	H	268.0
2041.666667	---	34.61	54.00	19.39	200.0	H	291.0
2041.666667	36.61	---	74.00	37.39	200.0	H	291.0
2809.791667	---	35.91	54.00	18.09	200.0	H	140.0
2809.791667	37.82	---	74.00	36.18	200.0	H	140.0
3523.958333	---	36.49	54.00	17.51	200.0	H	4.0
3523.958333	39.98	---	74.00	34.02	100.0	H	4.0
4172.708333	---	37.61	54.00	16.39	200.0	H	274.0
4172.708333	40.53	---	74.00	33.47	200.0	H	274.0
5474.791667	---	40.93	54.00	13.07	100.0	H	44.0
5474.791667	43.41	---	74.00	30.59	100.0	H	44.0

### EUT Information

EUT Name: Amazon Locker  
 Order Number: 168310149 50  
 Model: ZL-ODIN-V1  
 Test Mode: BT+GPRS+LED on+Normal Operating  
 Test Voltage: Battery  
 Test By: Shower Dai  
 Review By: Gary Chen  
 Remark: 10M Chamber



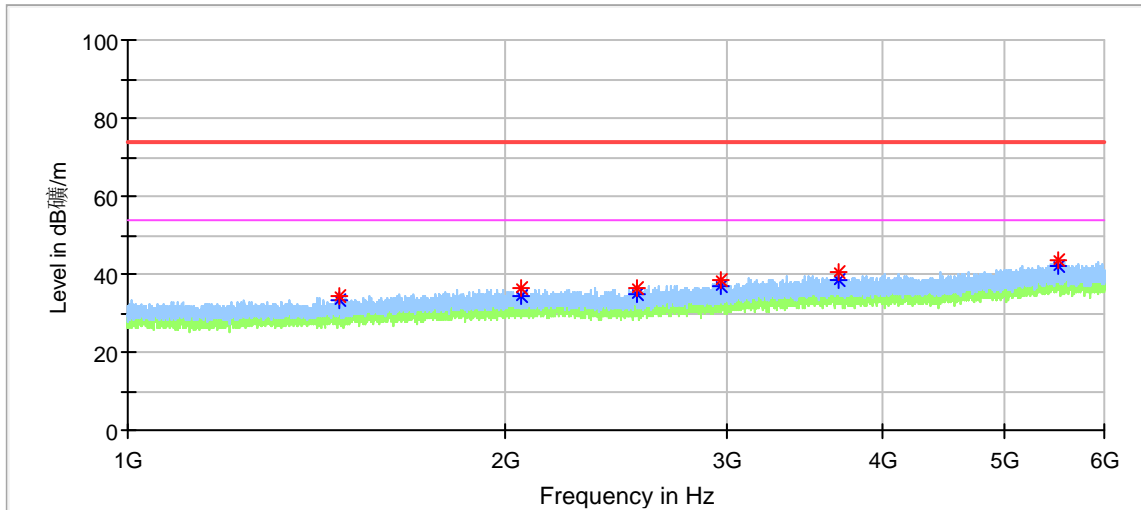
### Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margi n	Height (cm)	Pol	Azimuth (deg)
1111.458333	---	31.18	54.00	22.82	200.0	V	96.0
1111.458333	33.22	---	74.00	40.78	200.0	V	96.0
1621.666667	---	32.79	54.00	21.21	100.0	V	259.0
1621.666667	35.75	---	74.00	38.25	100.0	V	259.0
2055.416667	---	35.98	54.00	18.02	200.0	V	324.0
2055.416667	36.99	---	74.00	37.01	200.0	V	324.0
3496.875000	---	38.34	54.00	15.66	200.0	V	41.0
3496.875000	39.89	---	74.00	34.11	200.0	V	41.0
4896.666667	---	40.00	54.00	14.00	200.0	V	107.0
4896.666667	42.39	---	74.00	31.61	200.0	V	107.0
5172.500000	---	39.25	54.00	14.75	100.0	V	353.0
5172.500000	42.33	---	74.00	31.67	100.0	V	353.0

BT+EMTC+Normal Operating+LED on (AC power)

### EUT Information

EUT Name: Amazon Locker  
 Order Number: 168310149 50  
 Model: ZL-ODIN-V1  
 Test Mode: BT+EMTC+LED on+Normal Operating  
 Test Voltage: AC 120V/60Hz  
 Test By: Shower Dai  
 Review By: Gary Chen  
 Remark: 10M Chamber



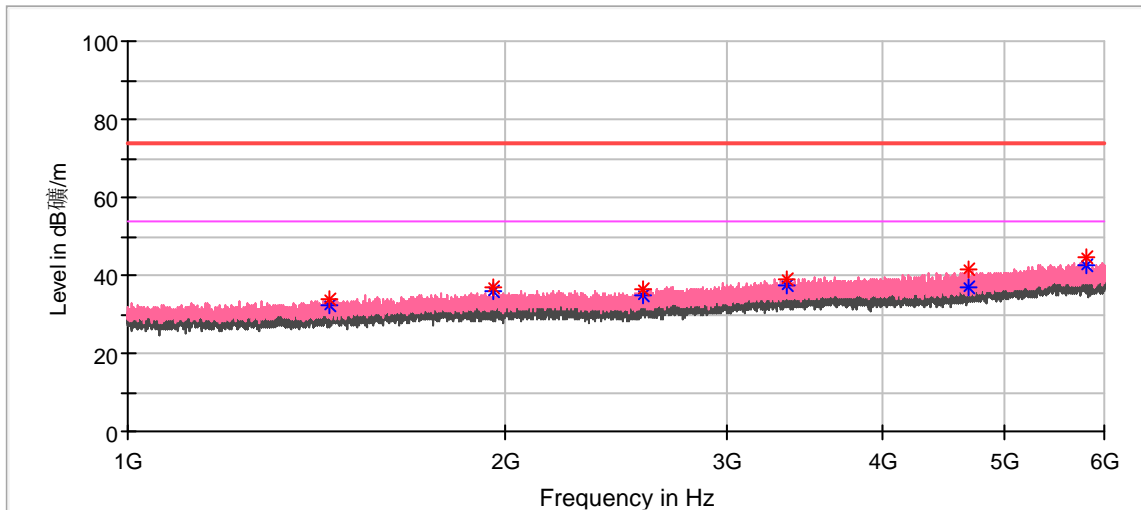
### Critical\_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin	Height (cm)	Pol	Azimuth (deg)
1476.250000	---	33.49	54.00	20.51	200.0	H	31.0
1476.250000	34.56	---	74.00	39.44	200.0	H	31.0
2056.458333	---	34.33	54.00	19.67	200.0	H	11.0
2056.458333	36.42	---	74.00	37.58	200.0	H	11.0
2547.083333	---	34.91	54.00	19.09	100.0	H	16.0
2547.083333	36.65	---	74.00	37.35	200.0	H	16.0
2974.375000	---	37.15	54.00	16.85	200.0	H	150.0
2974.375000	38.42	---	74.00	35.58	200.0	H	150.0
3680.208333	---	38.22	54.00	15.78	200.0	H	84.0
3680.208333	40.43	---	74.00	33.57	200.0	H	84.0
5506.250000	---	42.02	54.00	11.98	100.0	H	258.0
5506.250000	43.68	---	74.00	30.32	100.0	H	258.0



### EUT Information

EUT Name: Amazon Locker  
 Order Number: 168310149 50  
 Model: ZL-ODIN-V1  
 Test Mode: BT+EMTC+LED on+Normal Operating  
 Test Voltage: AC 120V/60Hz  
 Test By: Shower Dai  
 Review By: Gary Chen  
 Remark: 10M Chamber



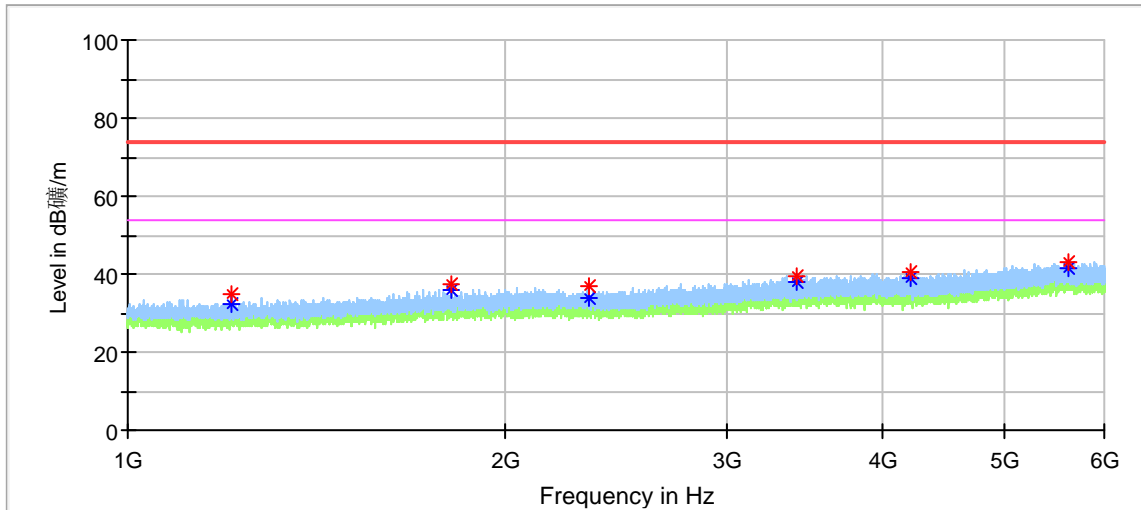
### Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margi n	Height (cm)	Pol	Azimuth (deg)
1445.208333	---	32.55	54.00	21.45	200.0	V	316.0
1445.208333	34.06	---	74.00	39.94	100.0	V	316.0
1958.333333	---	35.69	54.00	18.31	200.0	V	69.0
1958.333333	36.67	---	74.00	37.33	200.0	V	69.0
2575.833333	---	34.80	54.00	19.20	100.0	V	265.0
2575.833333	36.64	---	74.00	37.37	100.0	V	265.0
3346.666667	---	37.45	54.00	16.55	200.0	V	56.0
3346.666667	39.13	---	74.00	34.87	200.0	V	56.0
4670.208333	---	37.08	54.00	16.92	200.0	V	316.0
4670.416667	41.44	---	74.00	32.56	200.0	V	316.0
5805.833333	---	42.36	54.00	11.64	100.0	V	350.0
5805.833333	44.46	---	74.00	29.54	100.0	V	350.0

BT+EMTC+Normal Operating+LED on (Battery)

### EUT Information

EUT Name: Amazon Locker  
 Order Number: 168310149 50  
 Model: ZL-ODIN-V1  
 Test Mode: BT+EMTC+LED on+Normal Operating  
 Test Voltage: Battery  
 Test By: Shower Dai  
 Review By: Gary Chen  
 Remark: 10M Chamber

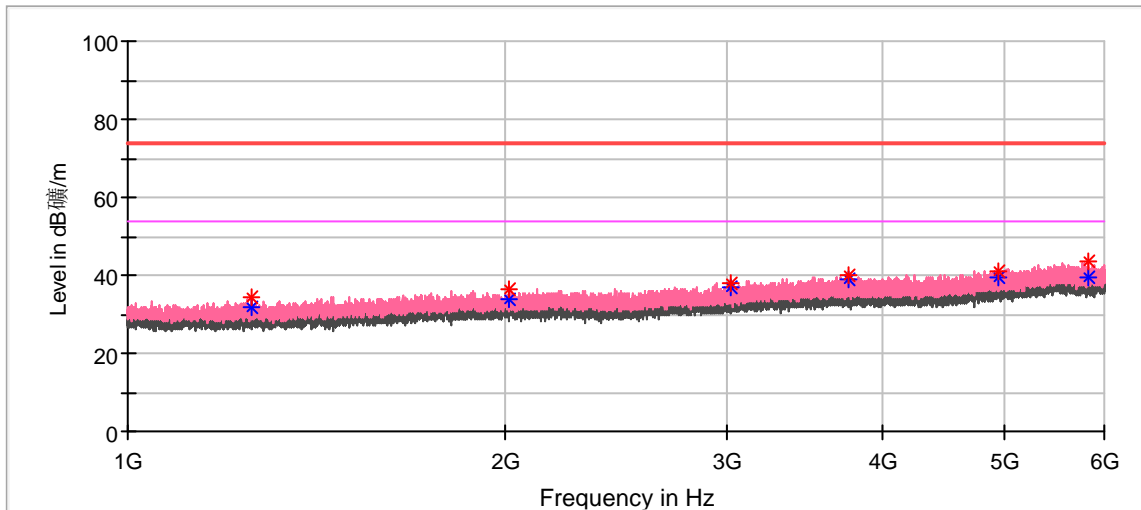


### Critical\_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margi n	Height (cm)	Pol	Azimuth (deg)
1209.166667	---	32.08	54.00	21.92	100.0	H	52.0
1209.166667	34.64	---	74.00	39.36	100.0	H	52.0
1813.333333	---	35.72	54.00	18.28	200.0	H	155.0
1813.333333	37.27	---	74.00	36.73	200.0	H	155.0
2331.458333	---	33.81	54.00	20.19	200.0	H	160.0
2331.458333	37.14	---	74.00	36.86	200.0	H	160.0
3410.000000	---	38.06	54.00	15.94	200.0	H	57.0
3410.000000	39.33	---	74.00	34.67	100.0	H	57.0
4204.166667	---	38.93	54.00	15.07	200.0	H	52.0
4204.166667	40.67	---	74.00	33.33	200.0	H	52.0
5620.833333	---	41.52	54.00	12.48	200.0	H	2.0
5620.833333	43.24	---	74.00	30.76	200.0	H	2.0

### EUT Information

EUT Name: Amazon Locker  
 Order Number: 168310149 50  
 Model: ZL-ODIN-V1  
 Test Mode: BT+EMTC+LED on+Normal Operating  
 Test Voltage: Battery  
 Test By: Shower Dai  
 Review By: Gary Chen  
 Remark: 10M Chamber



### Critical Freqs

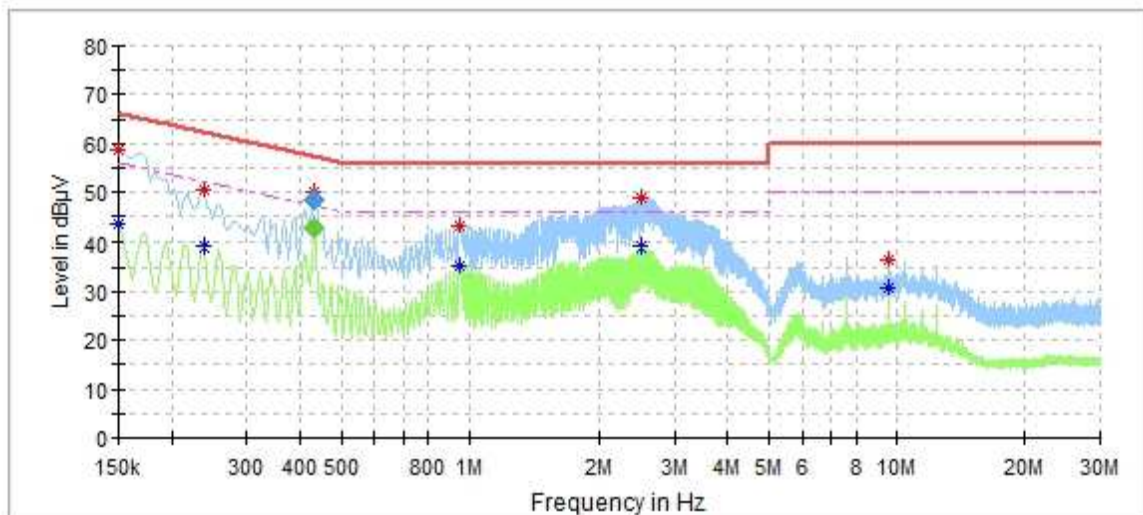
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margi n	Height (cm)	Pol	Azimuth (deg)
1254.791667	---	31.92	54.00	22.08	100.0	V	0.0
1254.791667	34.33	---	74.00	39.67	100.0	V	0.0
2013.541667	---	33.72	54.00	20.28	200.0	V	44.0
2013.541667	36.31	---	74.00	37.69	200.0	V	44.0
3026.458333	---	36.99	54.00	17.01	200.0	V	89.0
3026.458333	38.20	---	74.00	35.80	200.0	V	89.0
3752.916667	---	38.74	54.00	15.26	200.0	V	182.0
3752.916667	40.22	---	74.00	33.78	200.0	V	182.0
4946.458333	---	39.53	54.00	14.47	100.0	V	21.0
4946.458333	41.26	---	74.00	32.74	200.0	V	21.0
5820.000000	---	39.68	54.00	14.32	200.0	V	170.0
5820.208333	43.49	---	74.00	30.51	200.0	V	170.0

### Appendix B.3: Test Plots of Conducted Emissions on AC Mains

BT+NB+Normal Operating+LED on

#### EUT Information

EUT Name:	Amazon Locker
Order No.:	168310149 50
Model:	ZL-ODIN-V1
Test Mode:	BT+NB+LED on+Normal Operating
Test Voltage:	AC 120V/60Hz
Test By:	Shower Dai
Review By:	Gary Chen
Remark:	SR1



#### Critical\_Freqs

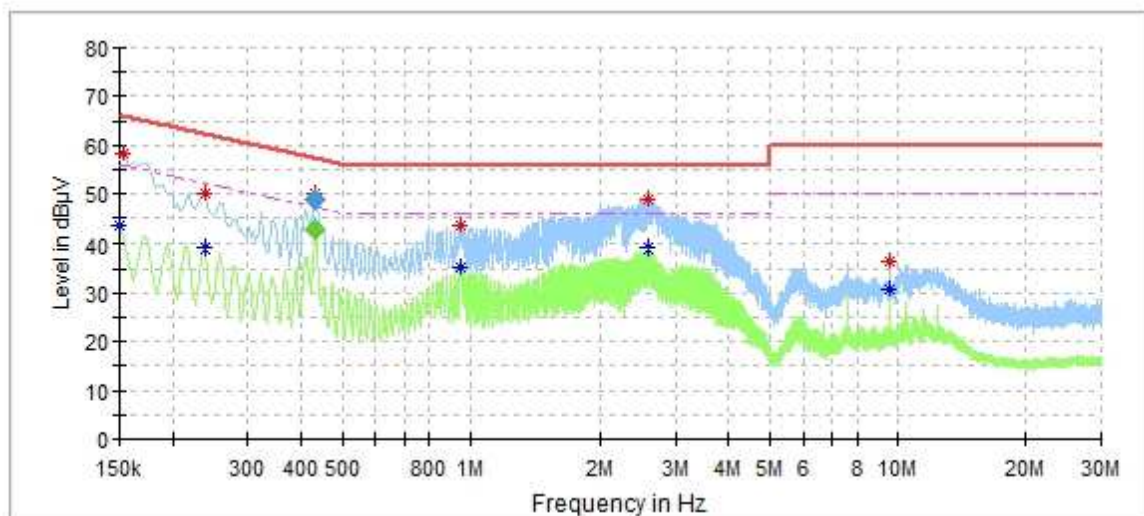
Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.150000	58.86	---	66.00	7.14	L1	9.60
0.150000	---	43.31	56.00	12.69	L1	9.60
0.238000	---	39.15	52.17	13.02	L1	9.60
0.238000	50.59	---	62.17	11.58	L1	9.60
0.432500	50.25	---	57.18	6.92	L1	9.70
0.432500	---	43.13	47.18	4.05	L1	9.70
0.952000	---	35.15	46.00	10.85	L1	9.71
0.952000	42.95	---	56.00	13.05	L1	9.71
2.512000	48.86	---	56.00	7.14	L1	9.82
2.512000	---	38.91	46.00	7.09	L1	9.82
9.520000	---	30.79	50.00	19.21	L1	10.01
9.520000	36.47	---	60.00	23.53	L1	10.01

#### Final\_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.432500	---	42.79	47.21	4.41	200.0	9.000	L1	9.70
0.432500	48.61	---	57.21	8.60	200.0	9.000	L1	9.70

### EUT Information

EUT Name: Amazon Locker  
 Order No.: 168310149 50  
 Model: ZL-ODIN-V1  
 Test Mode: BT+NB+LED on+Normal Operating  
 Test Voltage: AC 120V/60Hz  
 Test By: Shower Dai  
 Review By: Gary Chen  
 Remark: SR1



### Critical Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.150000	---	43.44	56.00	12.56	N	9.60
0.154000	58.35	---	65.78	7.43	N	9.60
0.238000	---	38.89	52.17	13.28	N	9.60
0.238000	49.98	---	62.17	12.19	N	9.60
0.432500	50.23	---	57.18	6.95	N	9.70
0.432500	---	43.09	47.18	4.09	N	9.70
0.948000	---	35.18	46.00	10.82	N	9.70
0.948000	43.32	---	56.00	12.68	N	9.70
2.580000	---	39.00	46.00	7.00	N	9.82
2.580000	49.01	---	56.00	6.99	N	9.82
9.520000	---	30.73	50.00	19.27	N	10.01
9.524000	36.44	---	60.00	23.56	N	10.01

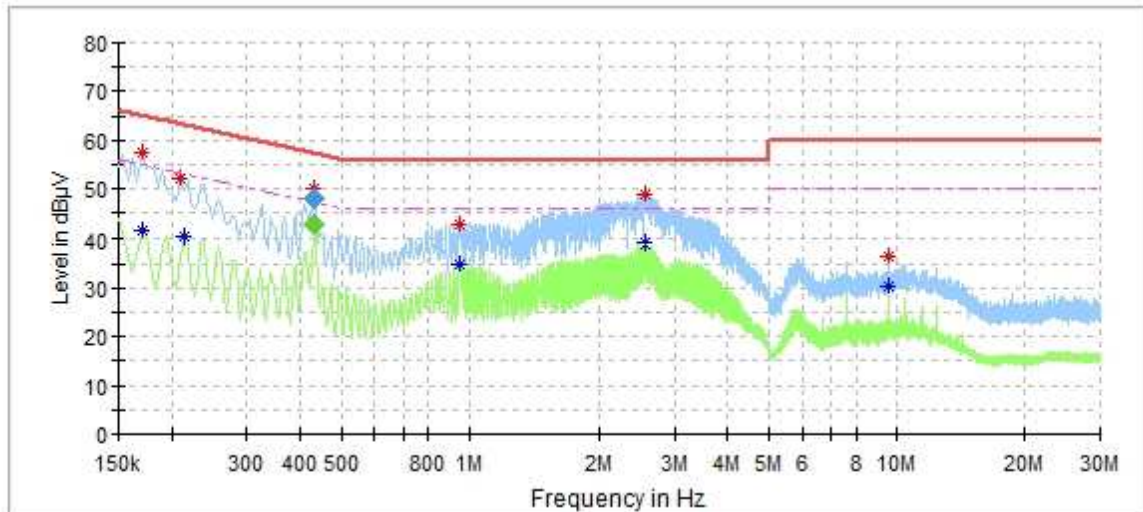
### Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.432500	---	42.60	47.21	4.60	200.0	9.000	N	9.70
0.432500	48.69	---	57.21	8.51	200.0	9.000	N	9.70

BT+GPRS+Normal Operating+LED on

### EUT Information

EUT Name:	Amazon Locker
Order No.:	168310149 50
Model:	ZL-ODIN-V1
Test Mode:	BT+GPRS+LED on+Normal Operating
Test Voltage:	AC 120V/60Hz
Test By:	Shower Dai
Review By:	Gary Chen
Remark:	SR1



### Critical\_Freqs

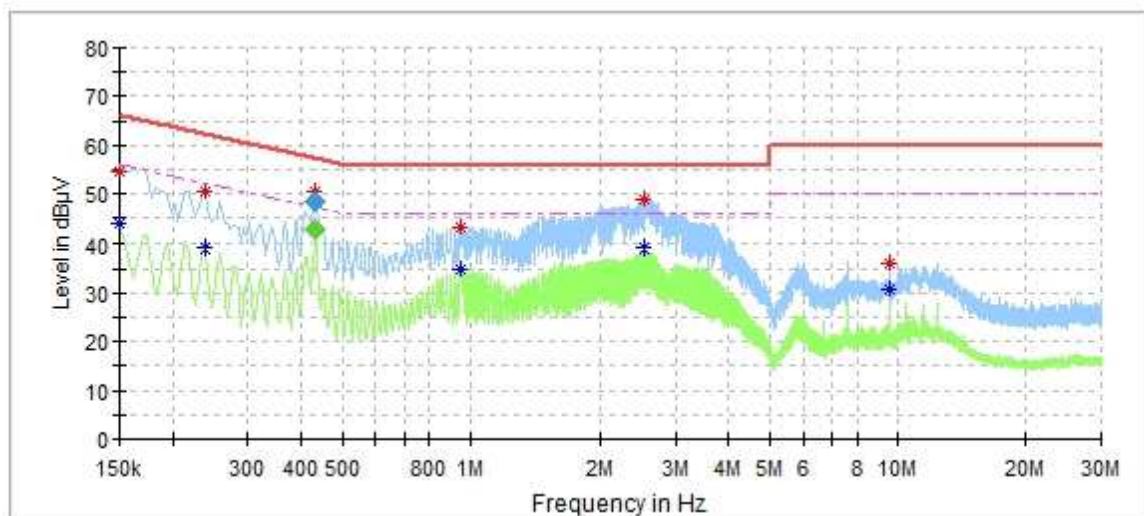
Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.170000	---	41.41	54.96	13.55	L1	9.60
0.170000	57.40	---	64.96	7.56	L1	9.60
0.210000	52.25	---	63.21	10.95	L1	9.60
0.214000	---	40.02	53.05	13.03	L1	9.60
0.432500	---	42.91	47.18	4.26	L1	9.70
0.432500	50.17	---	57.18	7.01	L1	9.70
0.948000	42.68	---	56.00	13.32	L1	9.71
0.952000	---	35.00	46.00	11.00	L1	9.71
2.556000	---	38.95	46.00	7.05	L1	9.82
2.556000	48.86	---	56.00	7.14	L1	9.82
9.520000	---	30.31	50.00	19.69	L1	10.01
9.520000	36.43	---	60.00	23.57	L1	10.01

### Final\_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.432500	---	42.60	47.21	4.60	200.0	9.000	L1	9.70
0.432500	48.19	---	57.21	9.01	200.0	9.000	L1	9.70

### EUT Information

EUT Name: Amazon Locker  
 Order No.: 168310149 50  
 Model: ZL-ODIN-V1  
 Test Mode: BT+GPRS+LED on+Normal Operating  
 Test Voltage: AC 120V/60Hz  
 Test By: Shower Dai  
 Review By: Gary Chen  
 Remark: SR1



### Critical Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.150000	---	43.99	56.00	12.01	N	9.60
0.150000	54.75	---	66.00	11.25	N	9.60
0.238000	---	39.09	52.17	13.08	N	9.60
0.238000	50.29	---	62.17	11.87	N	9.60
0.432500	---	42.83	47.18	4.35	N	9.70
0.432500	50.46	---	57.18	6.71	N	9.70
0.948000	43.17	---	56.00	12.83	N	9.70
0.952000	---	34.97	46.00	11.03	N	9.70
2.532000	48.71	---	56.00	7.29	N	9.82
2.536000	---	38.98	46.00	7.02	N	9.82
9.524000	---	30.57	50.00	19.43	N	10.01
9.524000	36.25	---	60.00	23.75	N	10.01

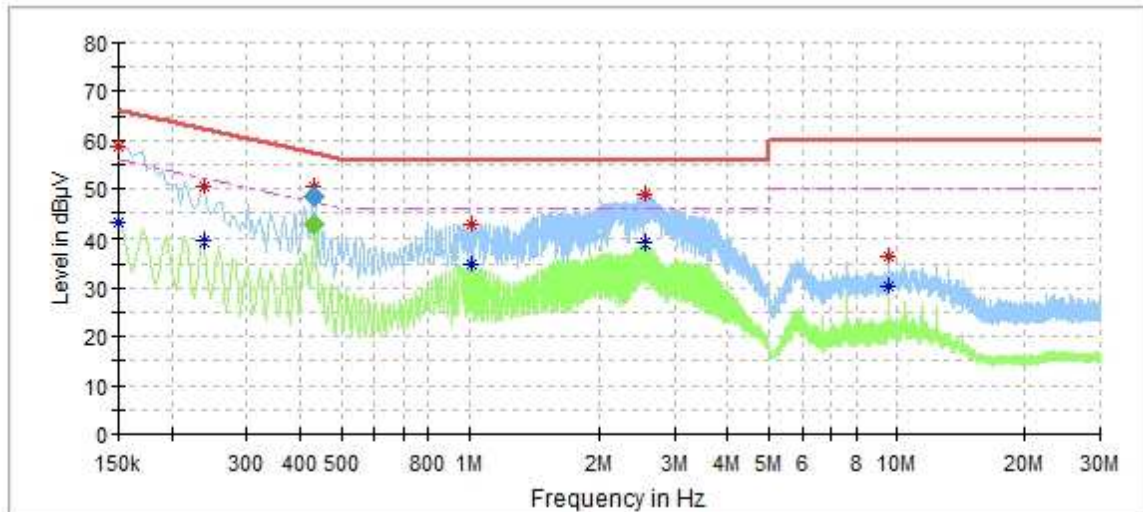
### Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.432500	---	42.80	47.21	4.40	200.0	9.000	N	9.70
0.432500	48.52	---	57.21	8.69	200.0	9.000	N	9.70

BT+EMTC+Normal Operating+LED on

### EUT Information

EUT Name:	Amazon Locker
Order No.:	168310149 50
Model:	ZL-ODIN-V1
Test Mode:	BT+EMTC+LED on+Normal Operating
Test Voltage:	AC 120V/60Hz
Test By:	Shower Dai
Review By:	Gary Chen
Remark:	SR1



### Critical\_Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.150000	58.50	---	66.00	7.50	L1	9.60
0.150000	---	43.27	56.00	12.73	L1	9.60
0.238000	---	39.23	52.17	12.94	L1	9.60
0.238000	50.37	---	62.17	11.79	L1	9.60
0.432500	---	42.99	47.18	4.19	L1	9.70
0.432500	50.51	---	57.18	6.67	L1	9.70
1.008000	---	34.68	46.00	11.32	L1	9.71
1.008000	42.48	---	56.00	13.52	L1	9.71
2.556000	48.97	---	56.00	7.03	L1	9.82
2.556000	---	39.00	46.00	7.00	L1	9.82
9.520000	---	30.27	50.00	19.73	L1	10.01
9.524000	36.47	---	60.00	23.53	L1	10.01

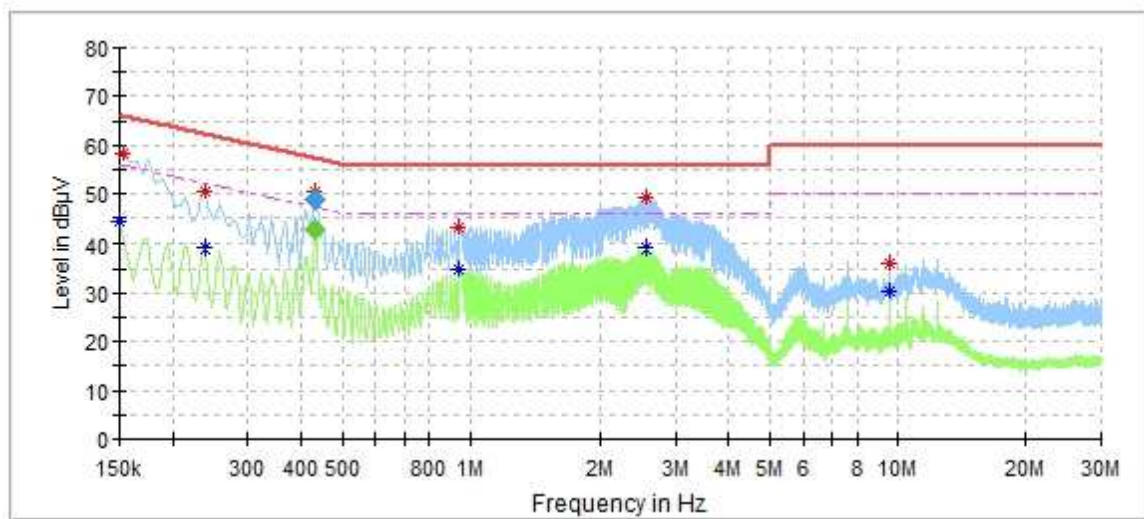
### Final\_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.432500	---	42.81	47.21	4.40	200.0	9.000	L1	9.70
0.432500	48.42	---	57.21	8.79	200.0	9.000	L1	9.70



### EUT Information

EUT Name: Amazon Locker  
 Order No.: 168310149 50  
 Model: ZL-ODIN-V1  
 Test Mode: BT+EMTC+LED on+Normal Operating  
 Test Voltage: AC 120V/60Hz  
 Test By: Shower Dai  
 Review By: Gary Chen  
 Remark: SR1



### Critical Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.150000	---	44.25	56.00	11.75	N	9.60
0.154000	58.16	---	65.78	7.62	N	9.60
0.238000	---	39.00	52.17	13.17	N	9.60
0.238000	50.62	---	62.17	11.54	N	9.60
0.432500	---	42.99	47.18	4.19	N	9.70
0.432500	50.50	---	57.18	6.67	N	9.70
0.944000	---	34.99	46.00	11.01	N	9.70
0.944000	43.11	---	56.00	12.89	N	9.70
2.556000	---	39.15	46.00	6.85	N	9.82
2.556000	49.36	---	56.00	6.64	N	9.82
9.520000	---	30.31	50.00	19.69	N	10.01
9.520000	35.94	---	60.00	24.06	N	10.01

### Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.432500	---	42.58	47.21	4.63	200.0	9.000	N	9.70
0.432500	48.65	---	57.21	8.55	200.0	9.000	N	9.70