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Appendix A.1: Test Results of Radiated Spurious Emissions, Bluetooth BR & EDR

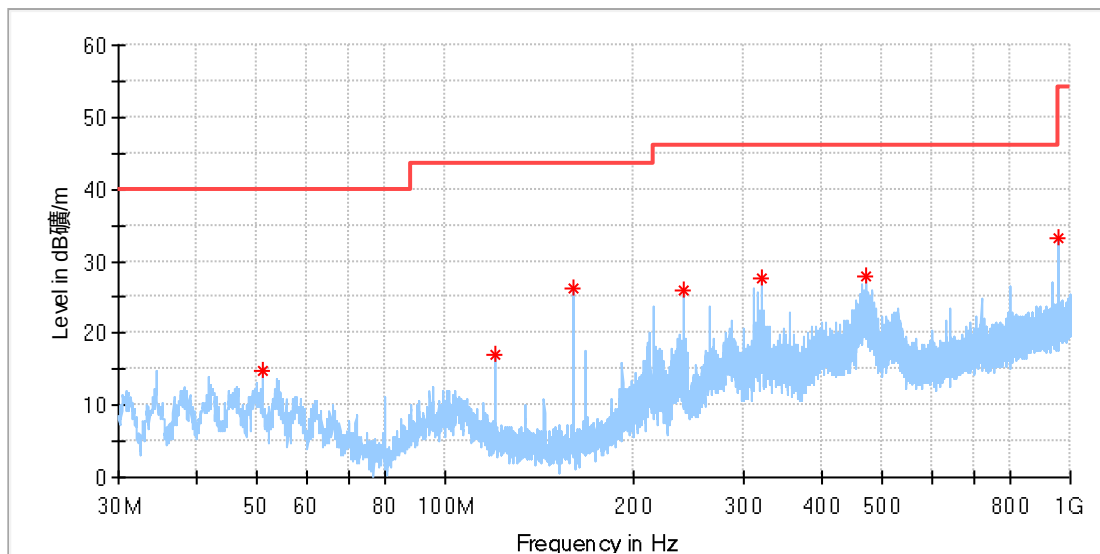
Note:

- 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 - 1GHz

EUT Information

EUT Name:	Portable Power Station
Model:	ANDES 1500
Test Mode:	BR_DH5_Mid channel
Order No/Sample No:	168546074/A003958044-001
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

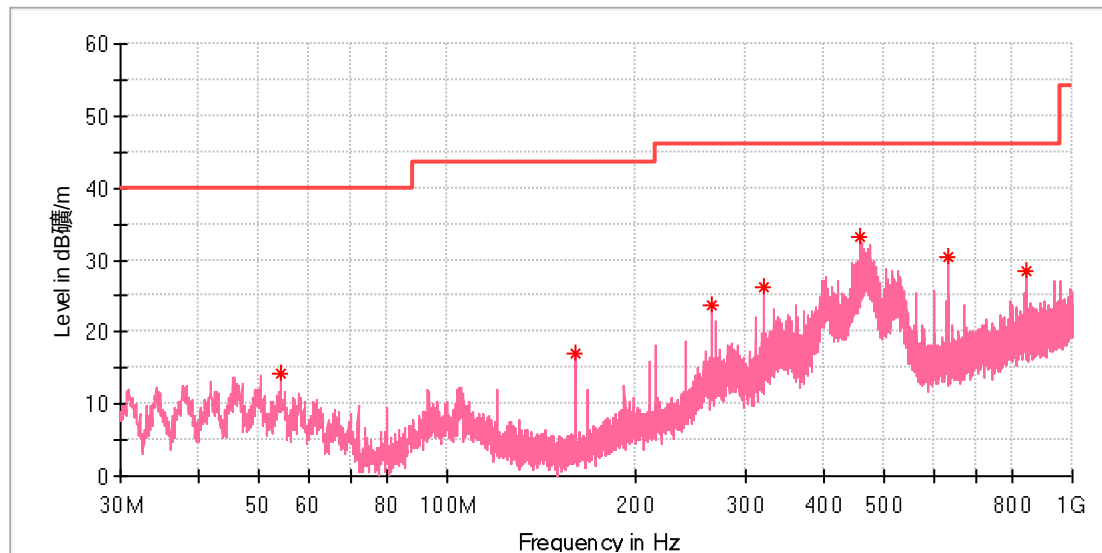
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
50.966923	14.67	40.00	25.33	100.0	H	321.0	-18.4
119.986154	17.00	43.50	26.50	100.0	H	283.0	-20.9
159.980000	26.12	43.50	17.38	100.0	H	116.0	-21.8
240.005000	25.83	46.00	20.17	100.0	H	291.0	-17.7
320.030000	27.49	46.00	18.51	100.0	H	244.0	-15.7
470.118846	28.03	46.00	17.97	100.0	H	0.0	-12.3
960.043462	33.34	54.00	20.66	100.0	H	40.0	-4.1

Final_Result

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

EUT Information

EUT Name: Portable Power Station
Model: ANDES 1500
Test Mode: BR_DH5_Mid channel
Order No/Sample No: 168546074/A003958044-001
Test Voltage: AC 120V, 60Hz
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
54.100769	14.26	40.00	25.74	100.0	V	169.0	-18.5
159.980000	16.94	43.50	26.56	100.0	V	208.0	-21.8
263.993846	23.69	46.00	22.31	100.0	V	138.0	-17.1
320.030000	26.10	46.00	19.90	100.0	V	26.0	-15.7
457.098462	33.07	46.00	12.93	100.0	V	129.0	-12.6
631.101539	30.45	46.00	15.55	100.0	V	284.0	-9.1
841.442308	28.53	46.00	17.47	100.0	V	294.0	-5.5

Final Result

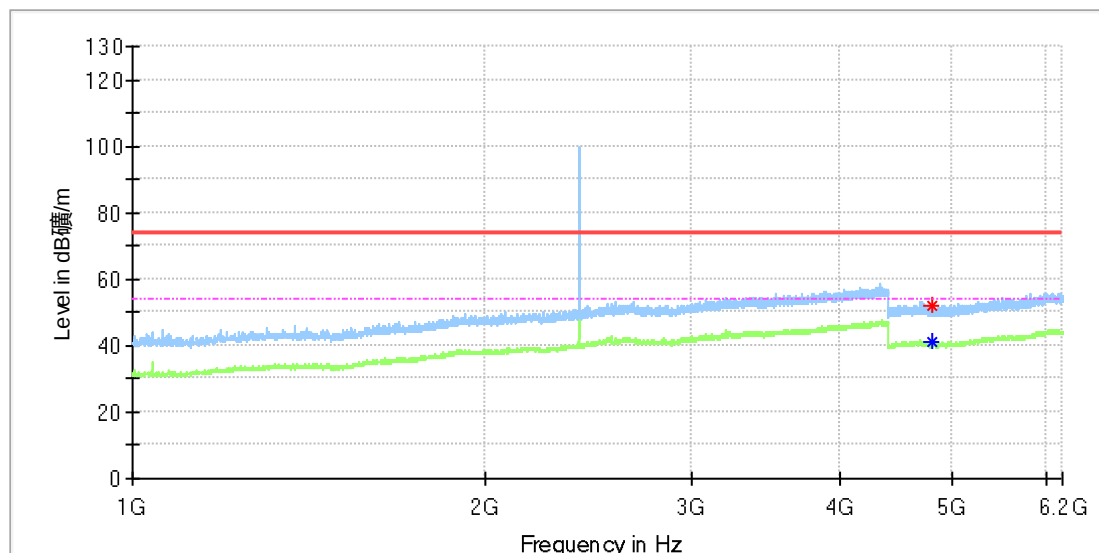
Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

1GHz - 18GHz

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

EUT Information

EUT Name:	Portable Power Station
Model:	ANDES 1500
Test Mode:	BR_DH5_Low channel
Order No/Sample No:	168546074/A003958044-001
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

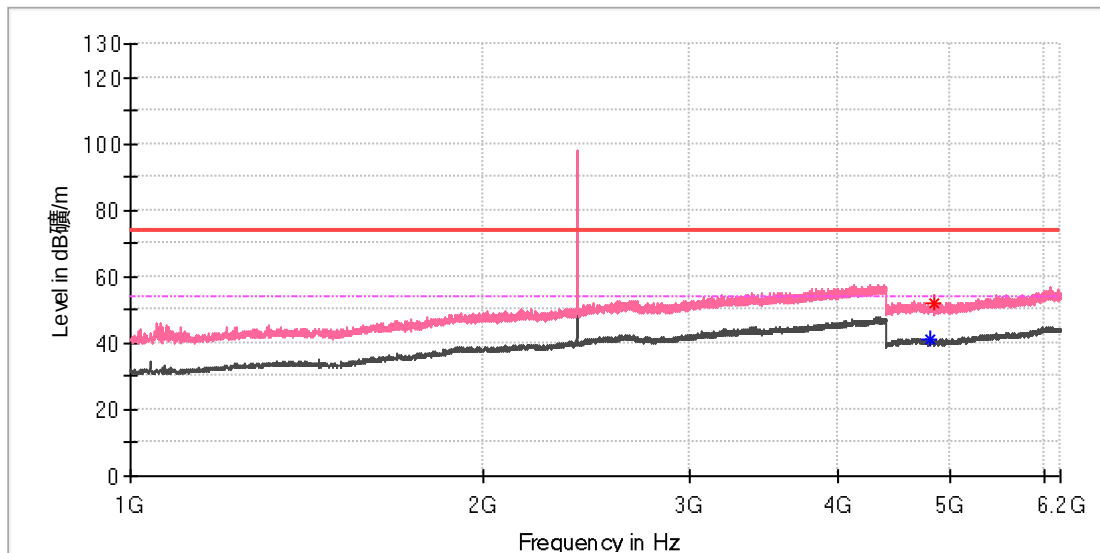
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4803.500000	---	40.92	54.00	13.08	150.0	H	47.0	13.3
4809.500000	52.14	---	74.00	21.86	150.0	H	33.0	13.3

Final Result

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

EUT Information

EUT Name:	Portable Power Station
Model:	ANDES 1500
Test Mode:	BR_DH5_Low channel
Order No/Sample No:	168546074/A003958044-001
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

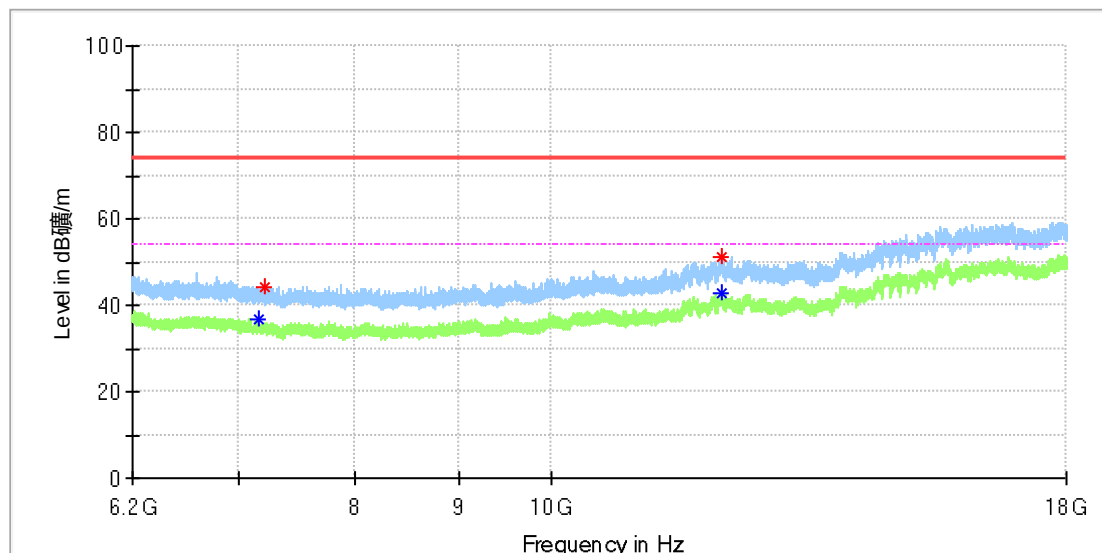
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4804.000000	---	41.02	54.00	12.98	150.0	V	42.0	13.3
4837.000000	51.78	---	74.00	22.22	150.0	V	72.0	13.3

Final_Result

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

EUT Information

EUT Name:	Portable Power Station
Model:	ANDES 1500
Test Mode:	BR_DH5_Low channel
Order No/Sample No:	168546074/A003958044-001
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

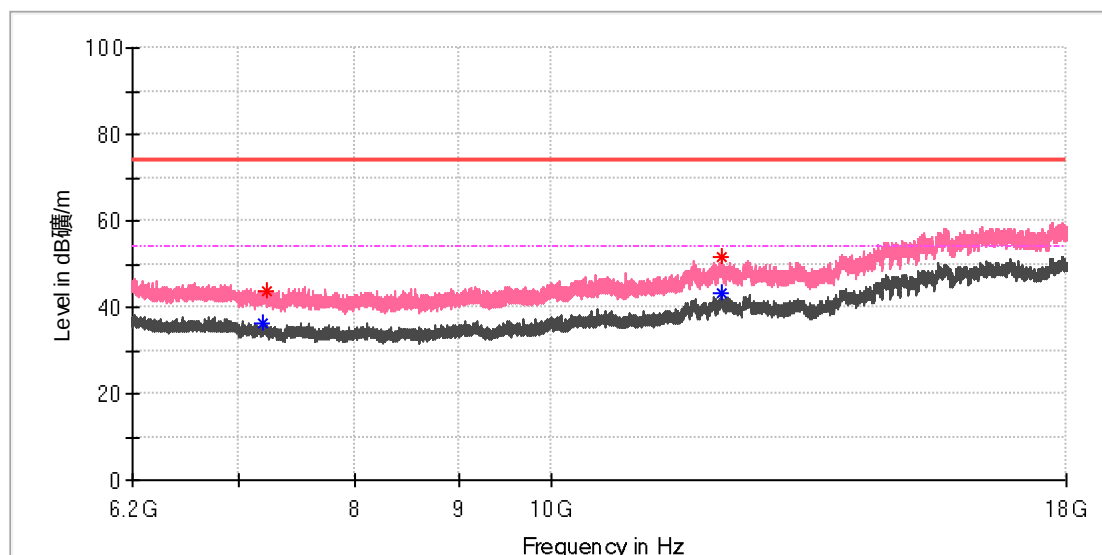
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7161.208333	---	36.91	54.00	17.09	150.0	H	44.0	8.7
7211.358333	44.37	---	74.00	29.63	150.0	H	304.0	8.7
12145.233333	---	42.95	54.00	11.05	150.0	H	69.0	16.6
12153.100000	51.17	---	74.00	22.83	150.0	H	282.0	16.6

Final Result

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

EUT Information

EUT Name:	Portable Power Station
Model:	ANDES 1500
Test Mode:	BR_DH5_Low channel
Order No/Sample No:	168546074/A003958044-001
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

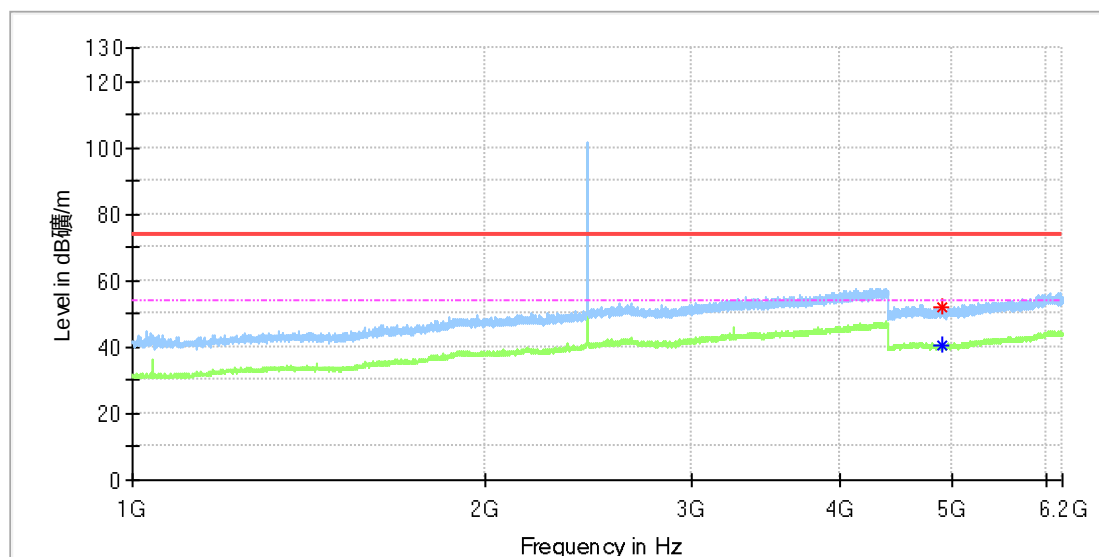
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7192.675000	---	36.45	54.00	17.55	150.0	V	342.0	8.8
7220.208333	43.64	---	74.00	30.36	150.0	V	97.0	8.7
12133.433333	51.52	---	74.00	22.48	150.0	V	2.0	16.3
12151.133333	---	43.15	54.00	10.85	150.0	V	153.0	16.7

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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EUT Information

EUT Name:	Portable Power Station
Model:	ANDES 1500
Test Mode:	BR_DH5_Mid channel
Order No/Sample No:	168546074/A003958044-001
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

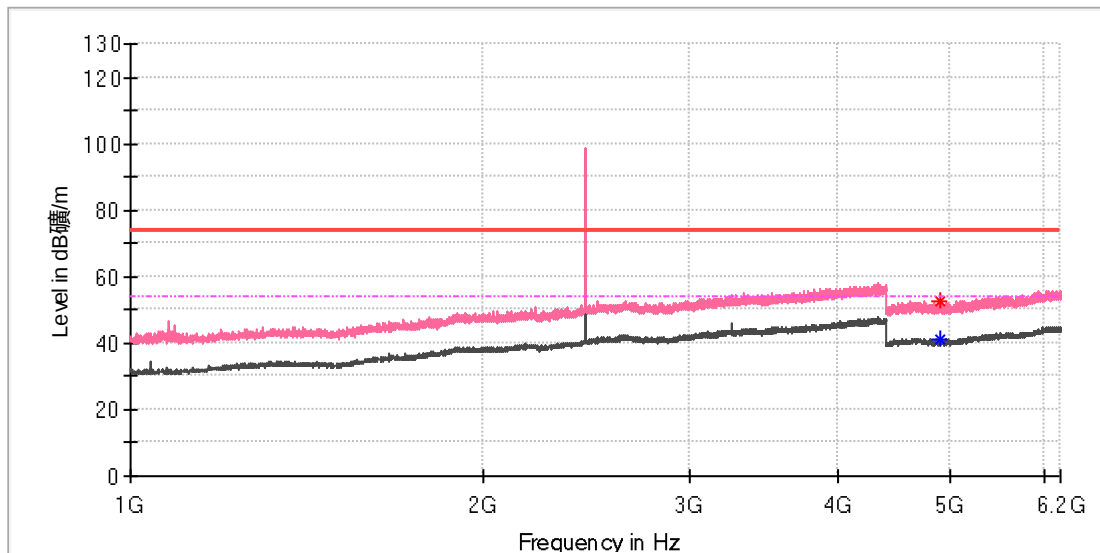
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4903.000000	---	40.65	54.00	13.35	150.0	H	216.0	13.3
4903.500000	52.05	---	74.00	21.95	150.0	H	247.0	13.3

Final_Result

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

EUT Information

EUT Name:	Portable Power Station
Model:	ANDES 1500
Test Mode:	BR_DH5_Mid channel
Order No/Sample No:	168546074/A003958044-001
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

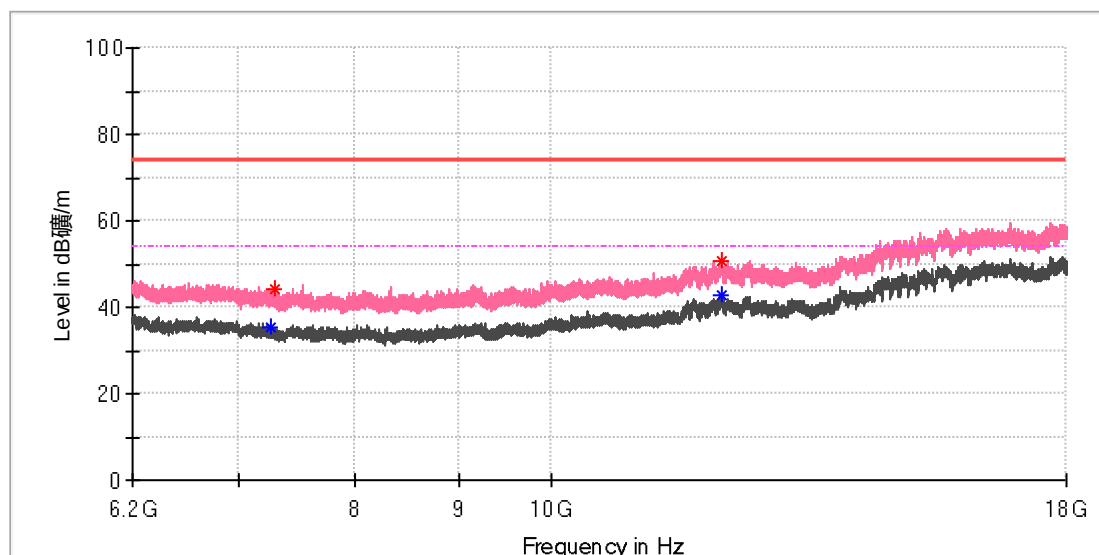
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4903.500000	52.68	---	74.00	21.32	150.0	V	129.0	13.3
4904.500000	---	41.19	54.00	12.81	150.0	V	148.0	13.3

Final_Result

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

EUT Information

EUT Name:	Portable Power Station
Model:	ANDES 1500
Test Mode:	BR_DH5_Mid channel
Order No/Sample No:	168546074/A003958044-001
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

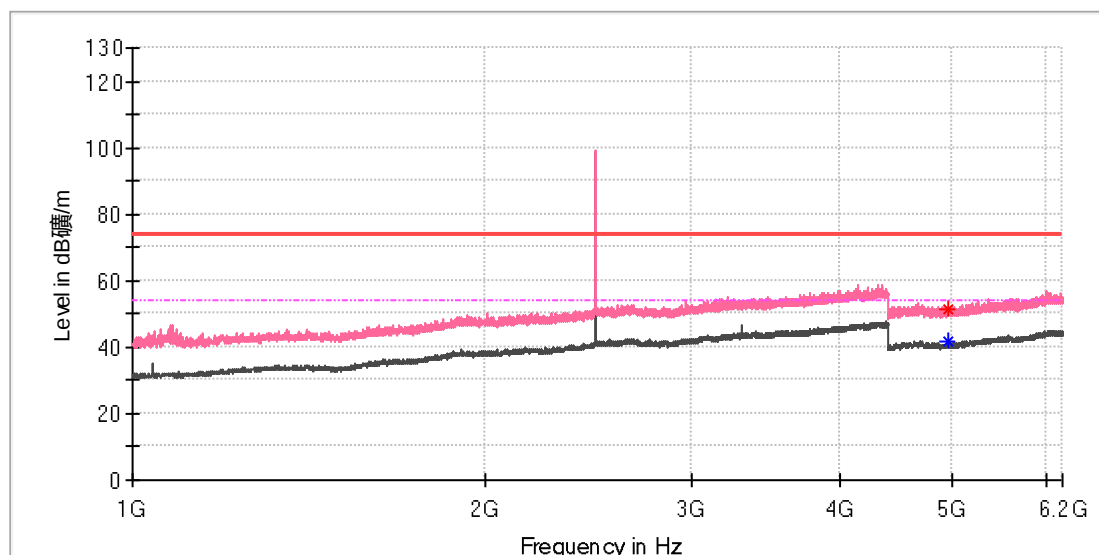
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7267.900000	---	35.44	54.00	18.56	150.0	V	6.0	8.5
7286.583333	44.00	---	74.00	30.00	150.0	V	234.0	8.4
12134.908333	---	42.92	54.00	11.08	150.0	V	173.0	16.3
12140.316667	50.80	---	74.00	23.20	150.0	V	60.0	16.5

Final Result

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

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

EUT Name:	Portable Power Station
Model:	ANDES 1500
Test Mode:	BR_DH5_High channel
Order No/Sample No:	168546074/A003958044-001
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

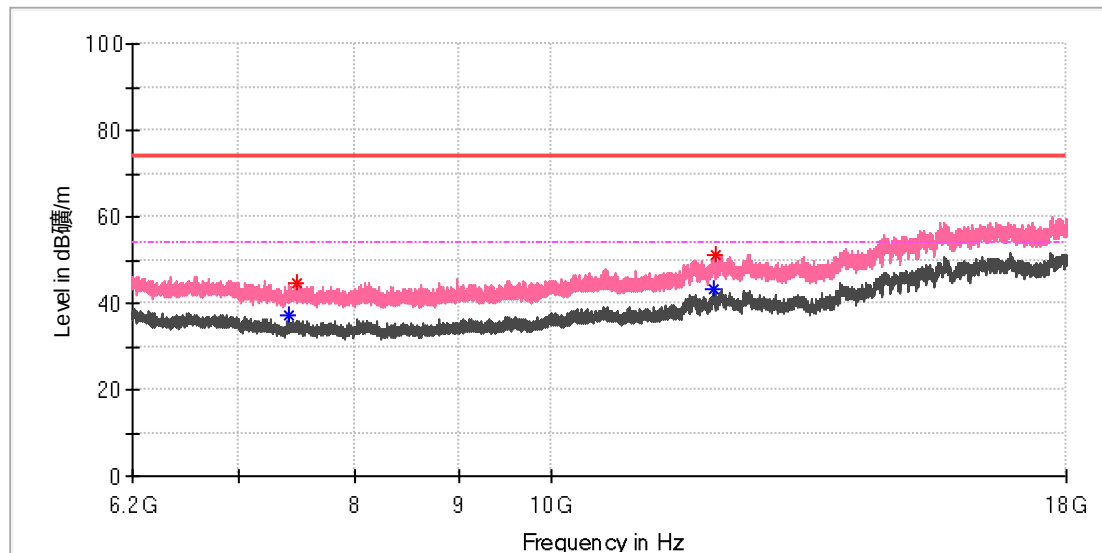
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4960.000000	---	41.66	54.00	12.34	150.0	V	253.0	13.3
4964.000000	51.46	---	74.00	22.54	150.0	V	284.0	13.3

Final Result

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

EUT Information

EUT Name:	Portable Power Station
Model:	ANDES 1500
Test Mode:	BR_DH5_High channel
Order No/Sample No:	168546074/A003958044-001
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 24 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)
7417.366667	---	37.06	54.00	16.94	150.0	V	264.0	8.3
7475.383333	44.73	---	74.00	29.27	150.0	V	302.0	8.6
12048.866667	---	43.04	54.00	10.96	150.0	V	25.0	16.4
12049.358333	51.10	---	74.00	22.90	150.0	V	354.0	16.4

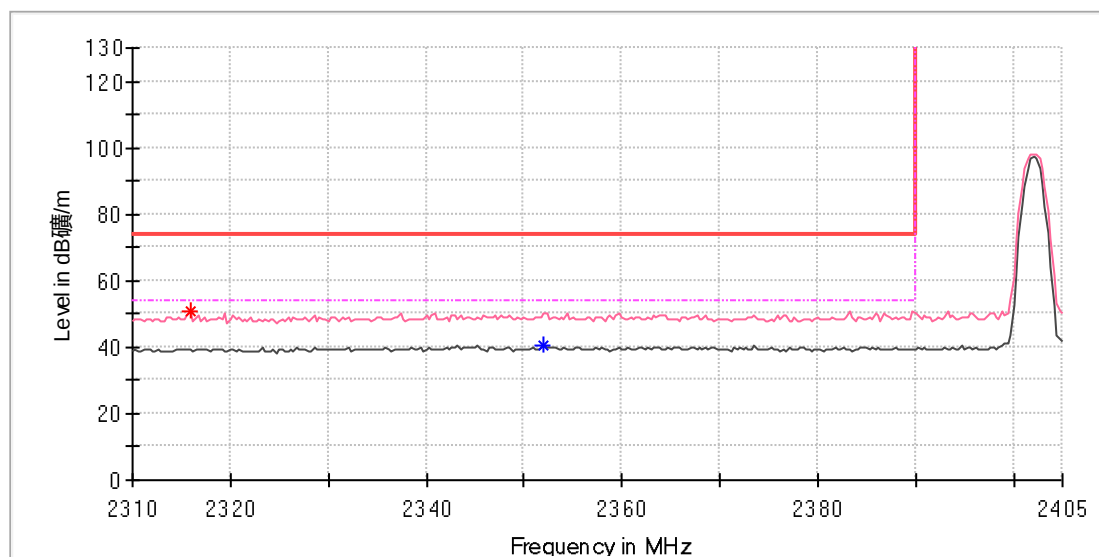
Final Result

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

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

EUT Information

EUT Name:	Portable Power Station
Model:	ANDES 1500
Test Mode:	BR_DH5_Low channel
Order No/Sample No:	168546074/A003958044-001
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

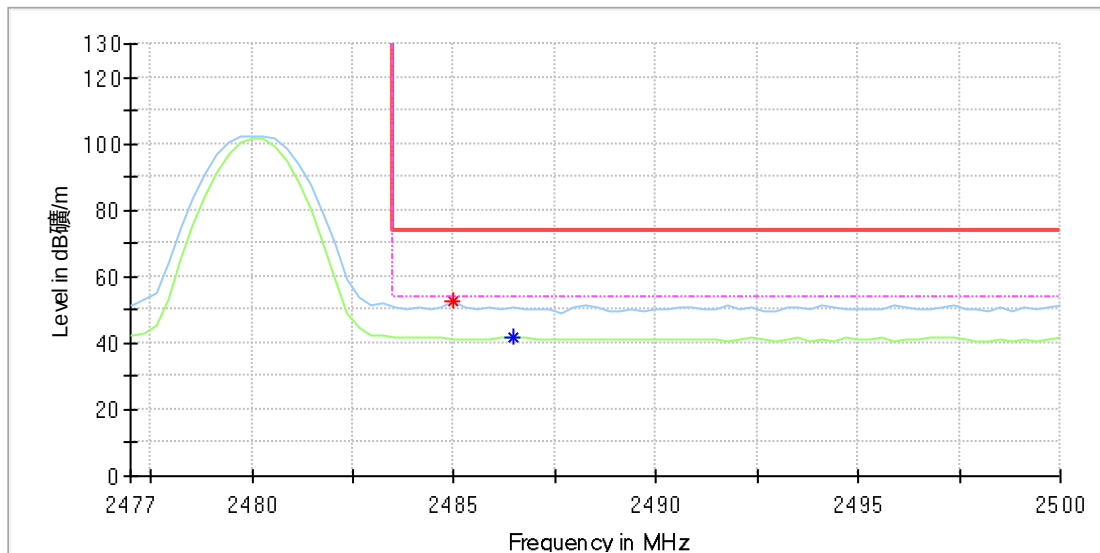
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2315.882353	50.99	---	74.00	23.01	150.0	V	289.0	8.2
2352.058824	---	40.37	54.00	13.63	150.0	V	109.0	8.5

Final_Result

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

EUT Information

EUT Name:	Portable Power Station
Model:	ANDES 1500
Test Mode:	BR_DH5_High channel
Order No/Sample No:	168546074/A003958044-001
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

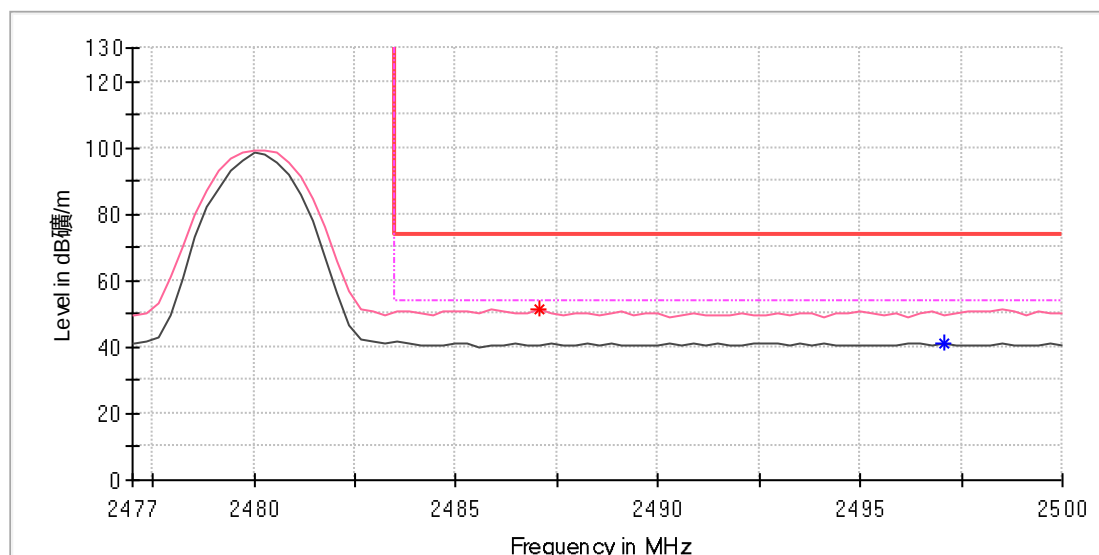
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2485.000000	52.75	---	74.00	21.25	150.0	H	10.0	9.0
2486.470588	---	41.87	54.00	12.13	150.0	H	0.0	9.0

Final_Result

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

EUT Information

EUT Name:	Portable Power Station
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Test Mode:	BR_DH5_High channel
Order No/Sample No:	168546074/A003958044-001
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 24 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)
2487.058824	51.38	---	74.00	22.62	150.0	V	316.0	9.0
2497.058824	---	41.37	54.00	12.63	150.0	V	220.0	9.0

Final_Result

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

Appendix A.3: Test Results of Radiated Spurious Emissions, Bluetooth LE

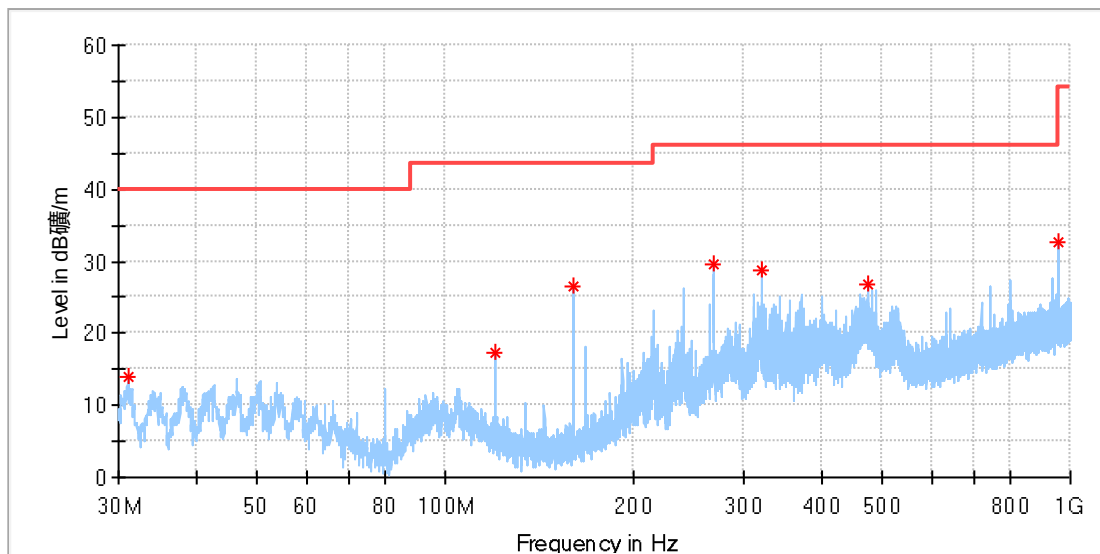
Note:

- 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 - 1GHz

EUT Information

EUT Name:	Portable Power Station
Model:	ANDES 1500
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168546074/A003958044-001
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

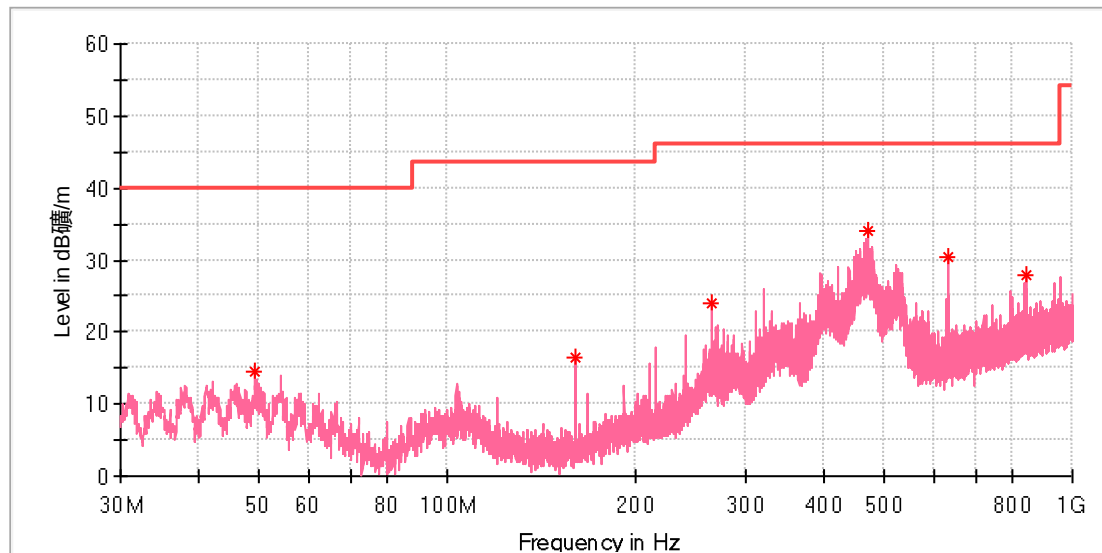
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
31.119231	13.88	40.00	26.12	100.0	H	316.0	-22.9
120.023462	17.38	43.50	26.12	100.0	H	120.0	-20.9
160.017308	26.47	43.50	17.03	100.0	H	300.0	-21.8
268.172308	29.70	46.00	16.30	100.0	H	266.0	-17.0
320.030000	28.80	46.00	17.20	100.0	H	266.0	-15.7
474.334615	26.82	46.00	19.18	100.0	H	5.0	-12.3
960.043462	32.71	54.00	21.29	100.0	H	42.0	-4.1

Final_Result

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

EUT Information

EUT Name:	Portable Power Station
Model:	ANDES 1500
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168546074/A003958044-001
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



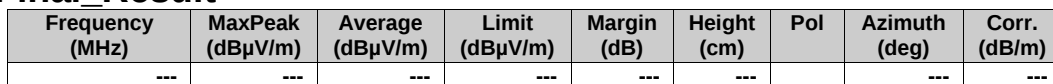
Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
49.101539	14.46	40.00	25.54	100.0	V	166.0	-18.4
160.017308	16.42	43.50	27.08	100.0	V	205.0	-21.8
263.993846	23.92	46.00	22.08	100.0	V	273.0	-17.1
472.208077	33.98	46.00	12.02	100.0	V	253.0	-12.3
631.101539	30.53	46.00	15.47	100.0	V	284.0	-9.1
841.479615	27.92	46.00	18.08	100.0	V	334.0	-5.5

Final_Result

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

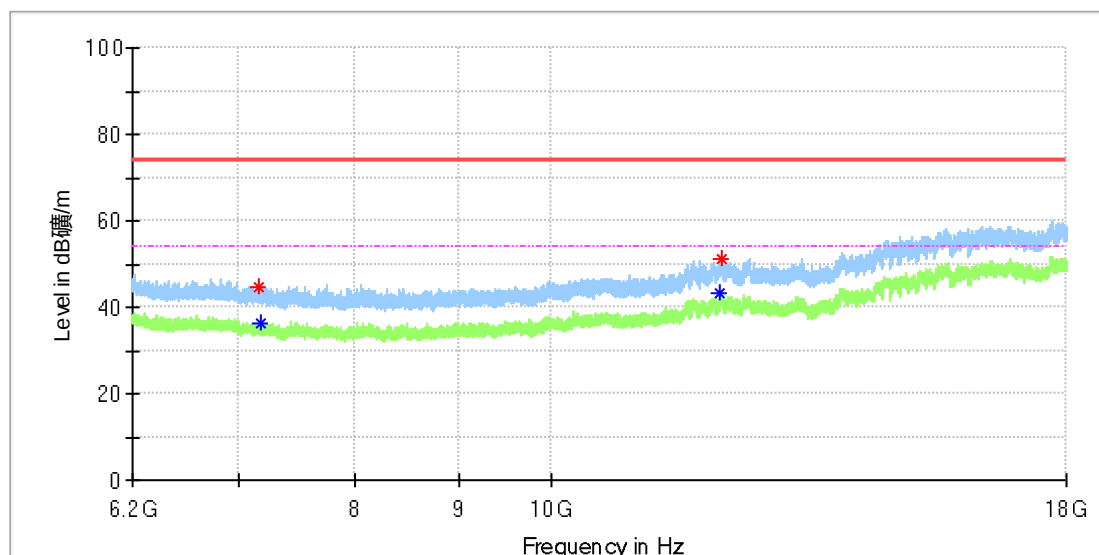
EUT Name:	Portable Power Station
Model:	ANDES 1500
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168546074/A003958044-001
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



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

EUT Information

EUT Name:	Portable Power Station
Model:	ANDES 1500
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168546074/A003958044-001
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



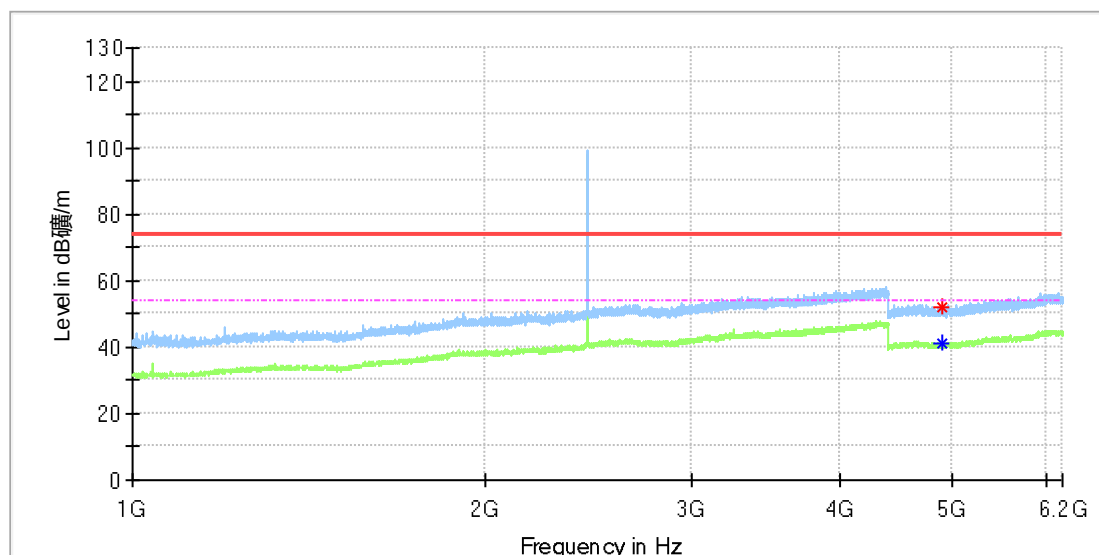
Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7159.241667	44.85	---	74.00	29.15	150.0	H	138.0	8.7
7185.300000	---	36.35	54.00	17.65	150.0	H	337.0	8.8
12125.075000	---	43.08	54.00	10.92	150.0	H	348.0	16.1
12152.608333	51.11	---	74.00	22.89	150.0	H	5.0	16.6

Final Result

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

EUT Name:	Portable Power Station
Model:	ANDES 1500
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168546074/A003958044-001
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

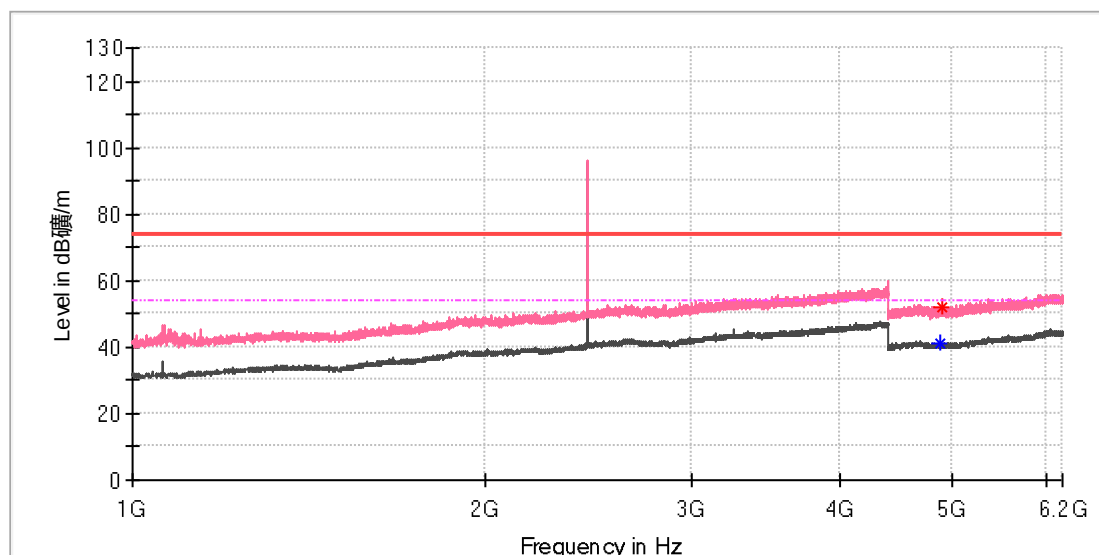


Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4900.000000	---	40.95	54.00	13.05	150.0	H	305.0	13.3
4900.500000	52.29	---	74.00	21.71	150.0	H	250.0	13.3

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

EUT Information

EUT Name:	Portable Power Station
Model:	ANDES 1500
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168546074/A003958044-001
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



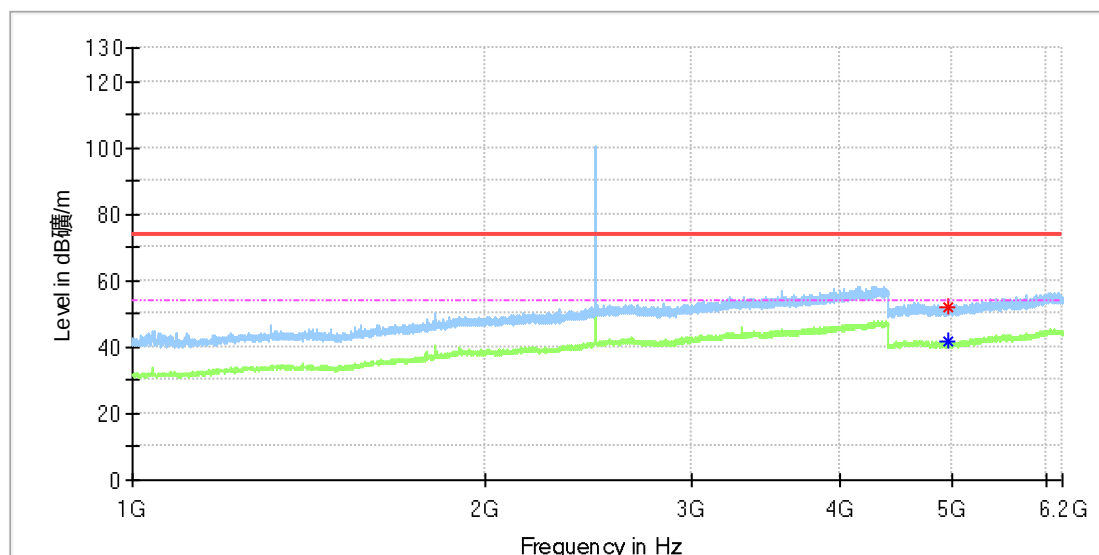
Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4870.500000	---	41.14	54.00	12.86	150.0	V	64.0	13.3
4898.500000	52.30	---	74.00	21.70	150.0	V	233.0	13.3

Final Result

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

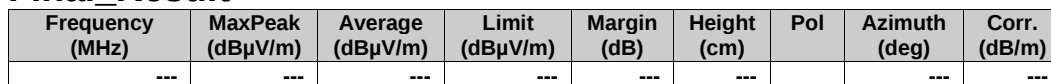
EUT Name:	Portable Power Station
Model:	ANDES 1500
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168546074/A003958044-001
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4948.000000	---	41.51	54.00	12.49	150.0	H	177.0	13.3
4959.000000	52.25	---	74.00	21.75	150.0	H	159.0	13.3

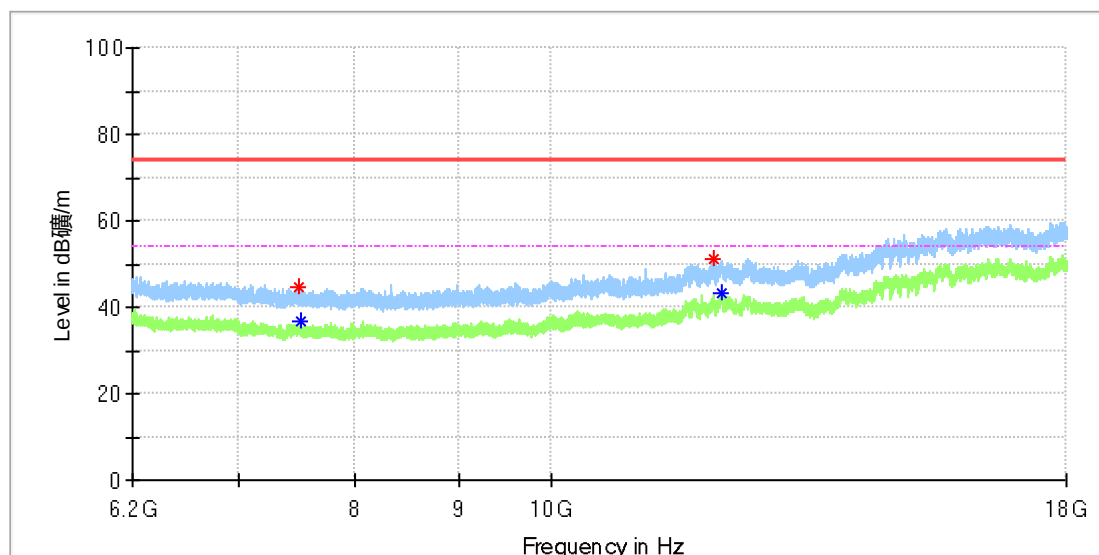
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Name:	Portable Power Station
Model:	ANDES 1500
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168546074/A003958044-001
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



EUT Information

EUT Name:	Portable Power Station
Model:	ANDES 1500
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168546074/A003958044-001
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 24 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)
7490.625000	44.46	---	74.00	29.54	150.0	H	245.0	8.7
7504.883333	---	36.91	54.00	17.09	150.0	H	245.0	8.7
12045.425000	51.21	---	74.00	22.79	150.0	H	158.0	16.3
12159.491667	---	43.06	54.00	10.94	150.0	H	59.0	16.2

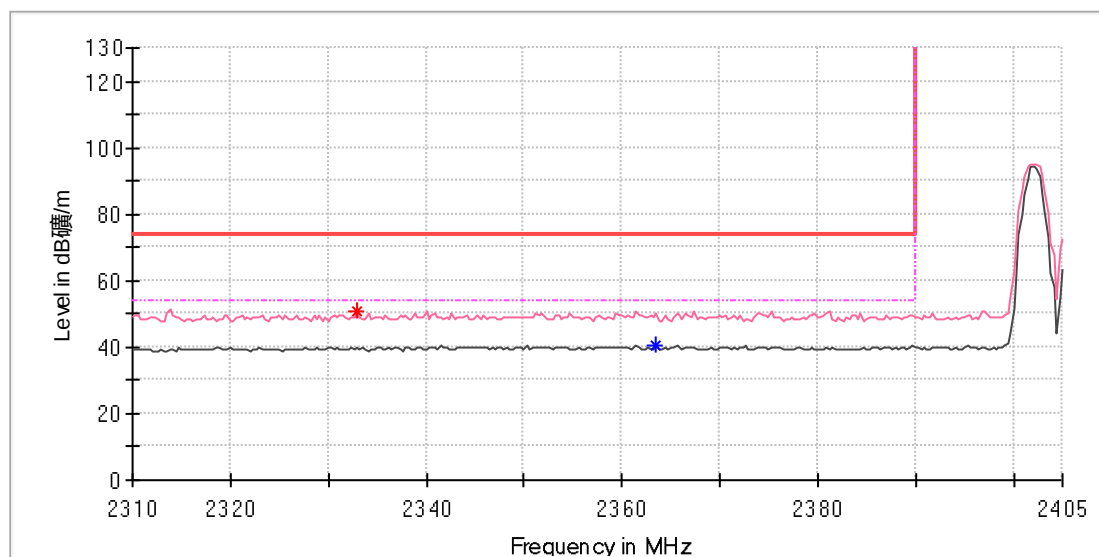
Final Result

[illegible]

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

EUT Information

EUT Name:	Portable Power Station
Model:	ANDES 1500
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168546074/A003958044-001
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

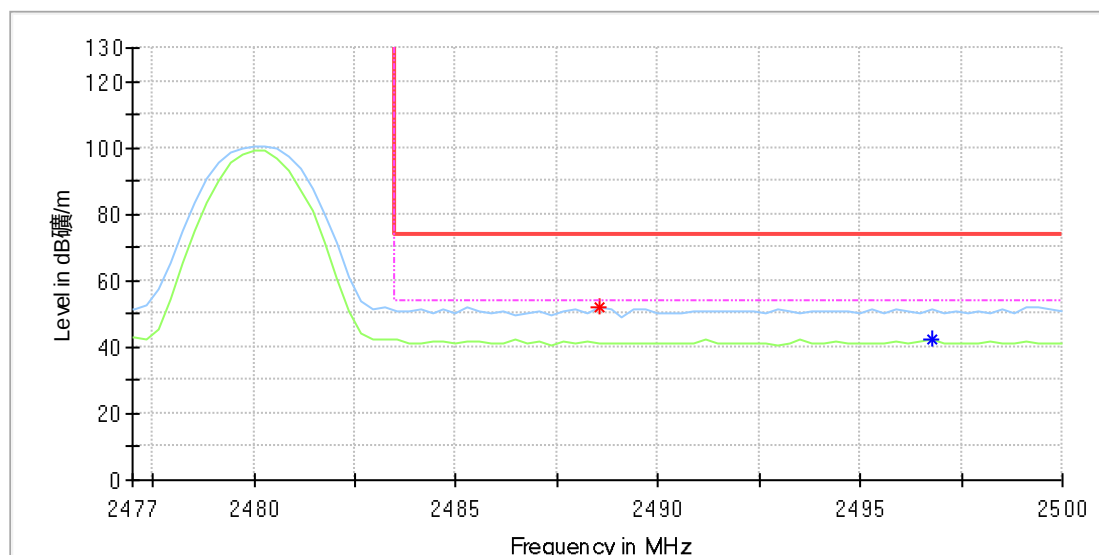
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2332.941177	51.03	---	74.00	22.97	150.0	V	195.0	8.3
2363.529412	---	40.46	54.00	13.54	150.0	V	60.0	8.5

Final_Result

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

EUT Information

EUT Name:	Portable Power Station
Model:	ANDES 1500
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168546074/A003958044-001
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 24 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)
2488.529412	51.92	---	74.00	22.08	150.0	H	86.0	9.0
2496.764706	---	42.33	54.00	11.67	150.0	H	36.0	9.0

Final_Result

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

EUT Name:	Portable Power Station
Model:	ANDES 1500
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168546074/A003958044-001
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

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

Appendix A.5: Test Results of Radiated Spurious Emissions, 2.4GHz Wi-Fi

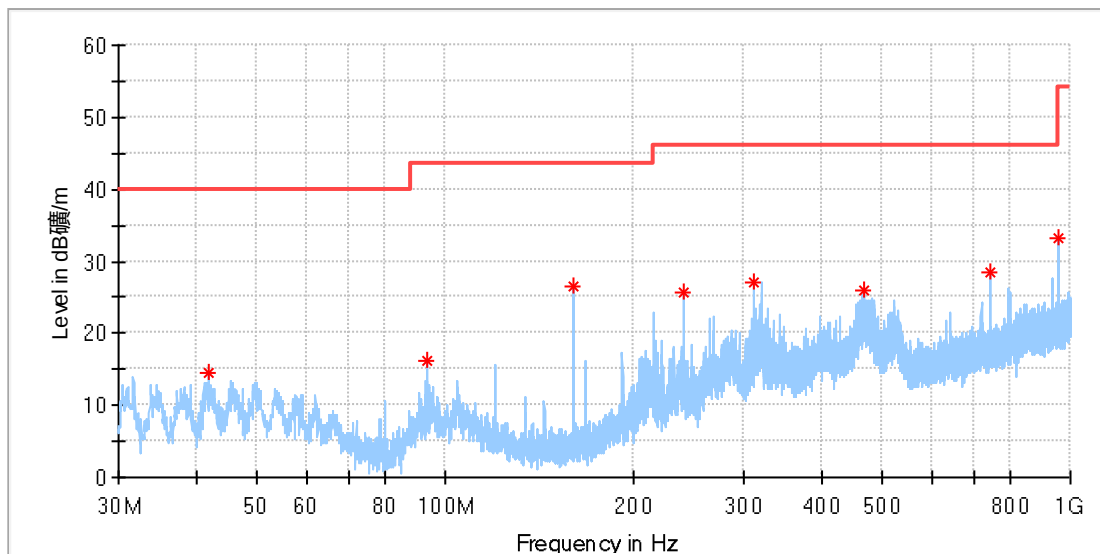
Note:

- 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 - 1GHz

EUT Information

EUT Name:	Portable Power Station
Model:	ANDES 1500
Test Mode:	WIFI 2.4G_11b_Ch6
Order No/Sample No:	168546074/A003958044-001
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

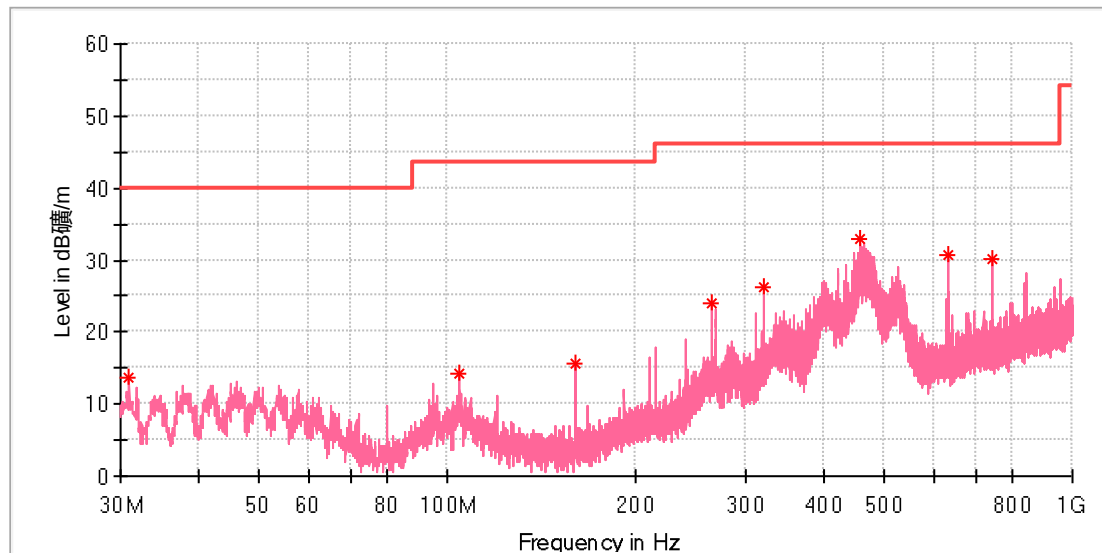
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
41.826539	14.39	40.00	25.61	100.0	H	148.0	-19.7
93.385769	16.28	43.50	27.22	100.0	H	139.0	-20.2
160.017308	26.39	43.50	17.11	100.0	H	299.0	-21.8
240.005000	25.73	46.00	20.27	100.0	H	283.0	-17.7
312.008846	27.03	46.00	18.97	100.0	H	314.0	-16.0
466.164231	26.03	46.00	19.97	100.0	H	26.0	-12.4
742.502308	28.40	46.00	17.60	100.0	H	98.0	-7.2
960.043462	33.12	54.00	20.88	100.0	H	36.0	-4.1

Final_Result

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

EUT Information

EUT Name: Portable Power Station
Model: ANDES 1500
Test Mode: WIFI 2.4G_11b_Ch6
Order No/Sample No: 168546074/A003958044-001
Test Voltage: AC 120V, 60Hz
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
30.970000	13.81	40.00	26.19	100.0	V	0.0	-22.9
104.652692	14.31	43.50	29.19	100.0	V	260.0	-18.9
160.017308	15.68	43.50	27.82	100.0	V	211.0	-21.8
263.993846	23.88	46.00	22.12	100.0	V	150.0	-17.1
319.992692	26.26	46.00	19.74	100.0	V	26.0	-15.7
456.389615	32.92	46.00	13.08	100.0	V	129.0	-12.6
631.101539	30.72	46.00	15.28	100.0	V	282.0	-9.1
742.502308	30.11	46.00	15.89	100.0	V	240.0	-7.2

Final Result

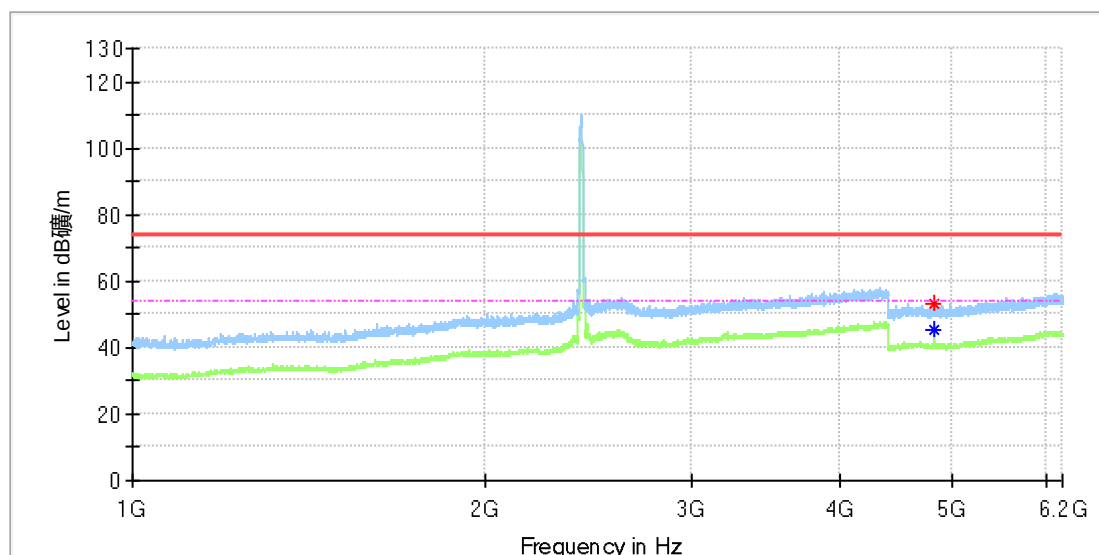
Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---

1GHz - 18GHz

Note: The highest waveform in the figure is 2.4GHz Wi-Fi Fundamental.

EUT Information

EUT Name:	Portable Power Station
Model:	ANDES 1500
Test Mode:	WIFI 2.4G_11b_Ch1
Order No/Sample No:	168546074/A003958044-001
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 24 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)
4823.500000	53.41	---	74.00	20.59	150.0	H	141.0	13.3
4824.000000	---	45.38	54.00	8.62	150.0	H	134.0	13.3

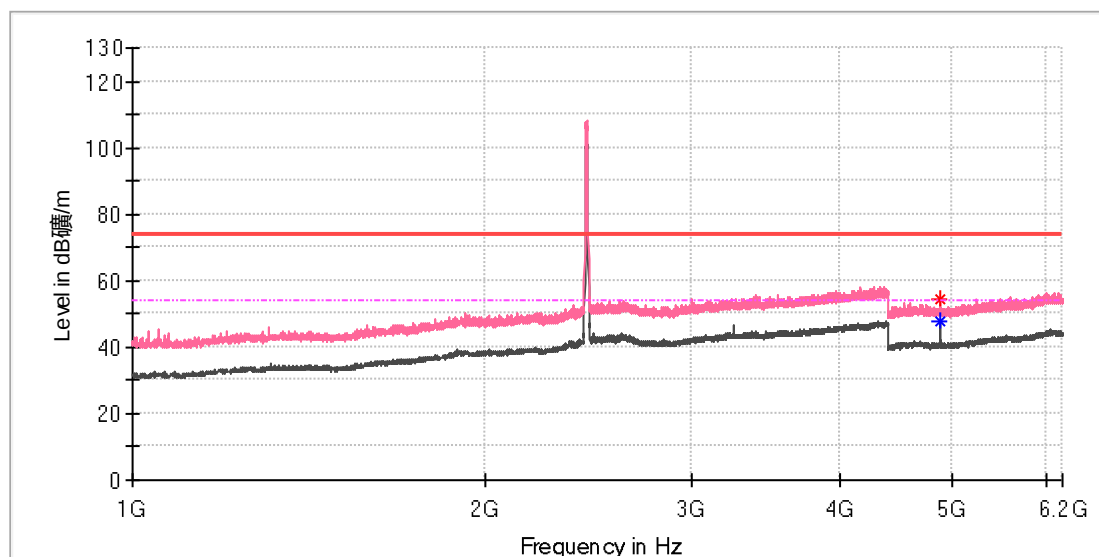
Final Result

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

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

EUT Information

EUT Name:	Portable Power Station
Model:	ANDES 1500
Test Mode:	WIFI 2.4G_11b_Ch6
Order No/Sample No:	168546074/A003958044-001
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

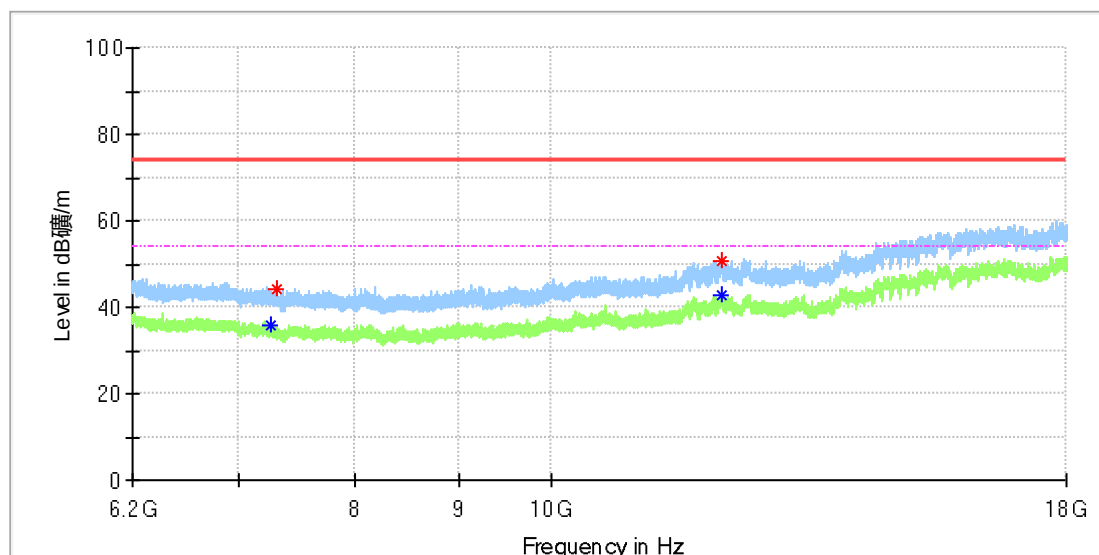
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4874.000000	54.37	---	74.00	19.63	150.0	V	241.0	13.3
4874.000000	---	47.49	54.00	6.51	150.0	V	241.0	13.3

Final_Result

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

EUT Information

EUT Name:	Portable Power Station
Model:	ANDES 1500
Test Mode:	WIFI 2.4G_11b_Ch6
Order No/Sample No:	168546074/A003958044-001
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

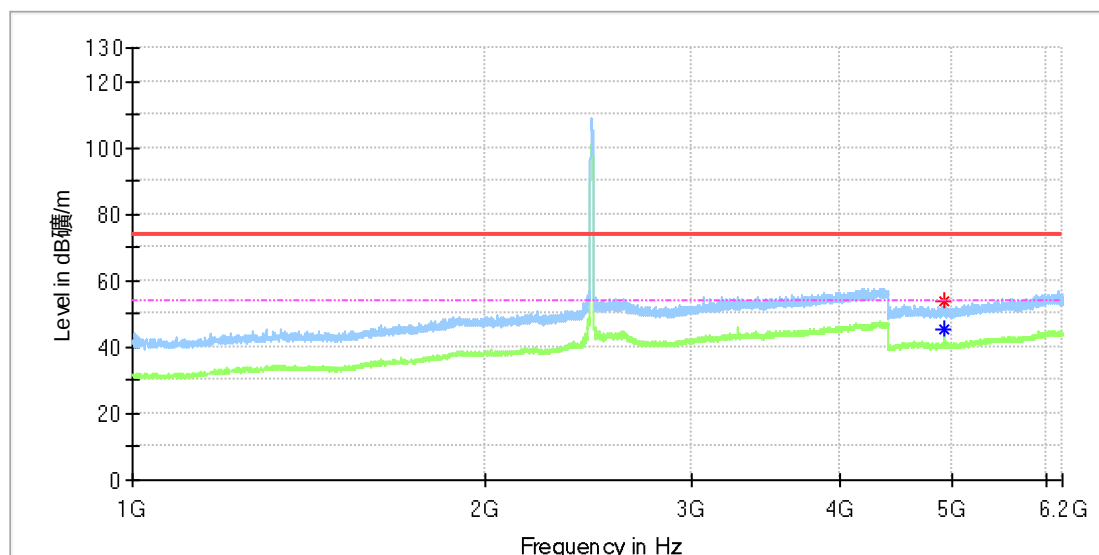
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7261.508333	---	35.83	54.00	18.17	150.0	H	203.0	8.5
7304.283333	44.32	---	74.00	29.68	150.0	H	105.0	8.3
12133.433333	50.69	---	74.00	23.31	150.0	H	214.0	16.3
12153.100000	---	42.80	54.00	11.20	150.0	H	71.0	16.6

Final Result

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

EUT Information

EUT Name:	Portable Power Station
Model:	ANDES 1500
Test Mode:	WIFI 2.4G_11b_Ch11
Order No/Sample No:	168546074/A003958044-001
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

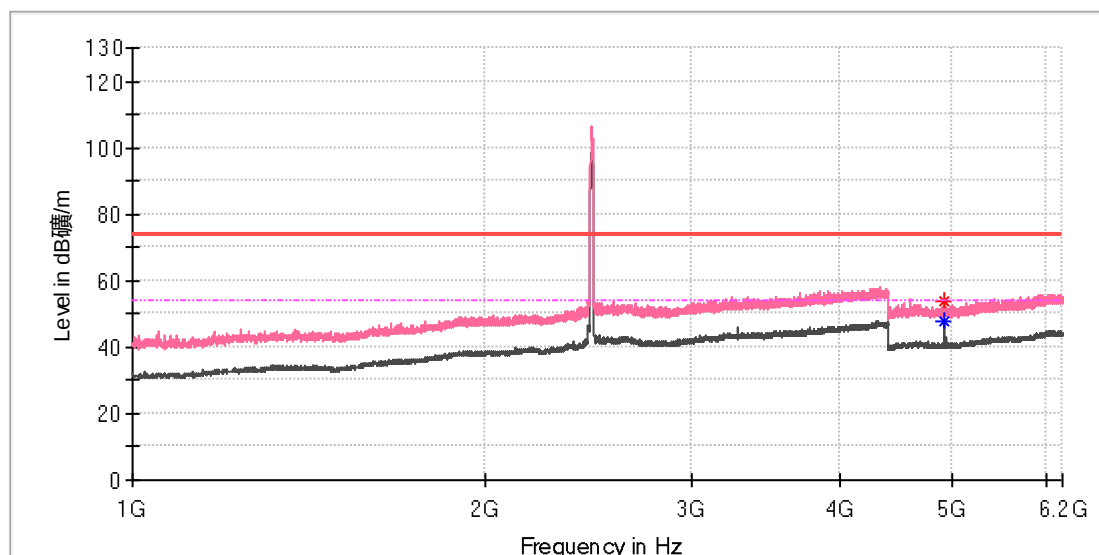
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4923.500000	---	45.37	54.00	8.63	150.0	H	92.0	13.3
4924.000000	53.89	---	74.00	20.11	150.0	H	92.0	13.3

Final Result

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

EUT Information

EUT Name:	Portable Power Station
Model:	ANDES 1500
Test Mode:	WIFI 2.4G_11b_Ch11
Order No/Sample No:	168546074/A003958044-001
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

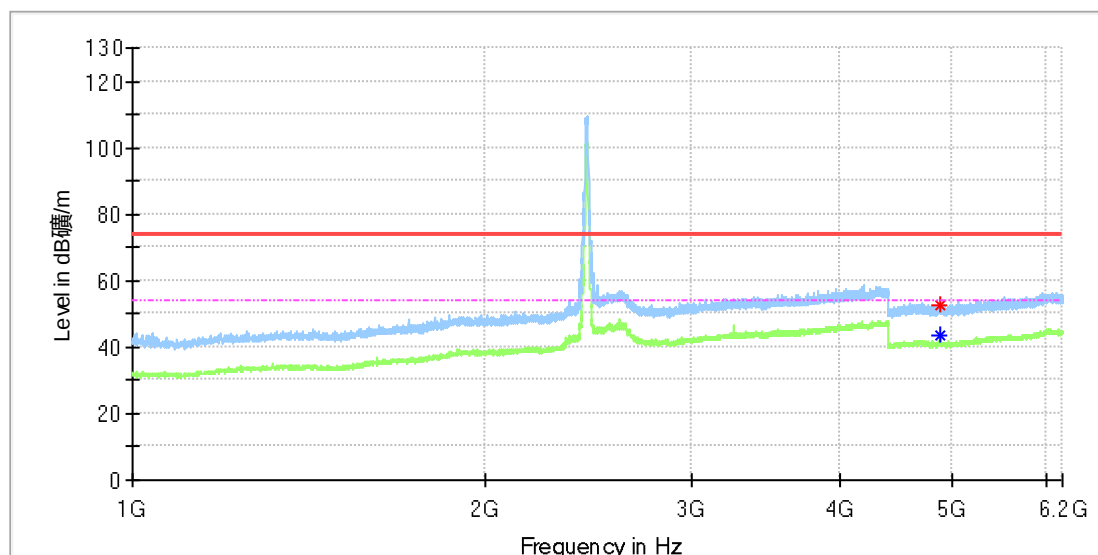
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4924.000000	53.72	---	74.00	20.28	150.0	V	240.0	13.3
4924.000000	---	47.84	54.00	6.16	150.0	V	240.0	13.3

Final Result

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

EUT Information

EUT Name:	Portable Power Station
Model:	ANDES 1500
Test Mode:	WIFI 2.4G_11g_Ch6
Order No/Sample No:	168546074/A003958044-001
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

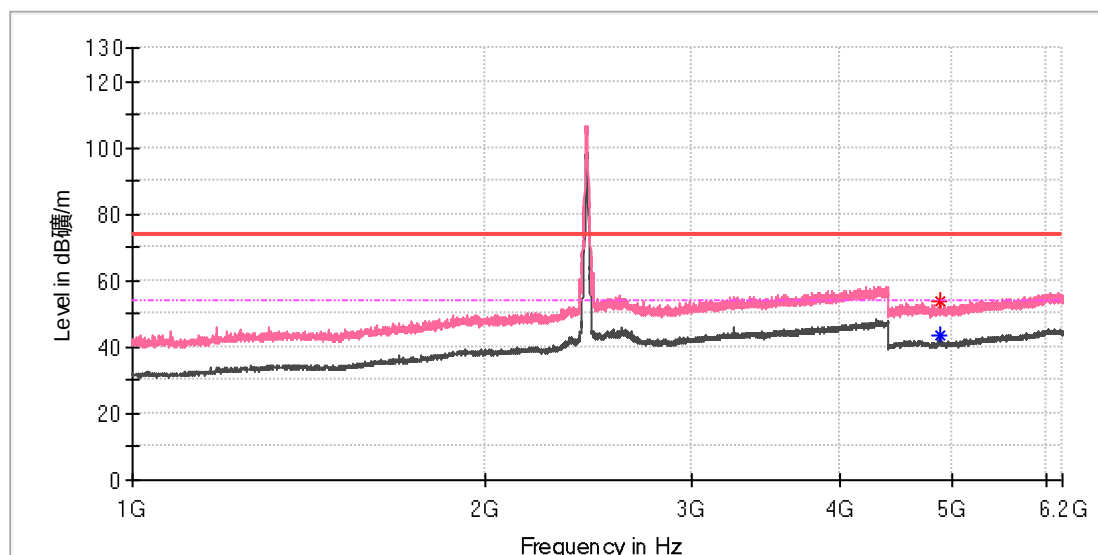
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4875.500000	---	43.39	54.00	10.61	150.0	H	135.0	13.3
4880.500000	52.88	---	74.00	21.12	150.0	H	86.0	13.3

Final Result

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

EUT Information

EUT Name:	Portable Power Station
Model:	ANDES 1500
Test Mode:	WIFI 2.4G_11g_Ch6
Order No/Sample No:	168546074/A003958044-001
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

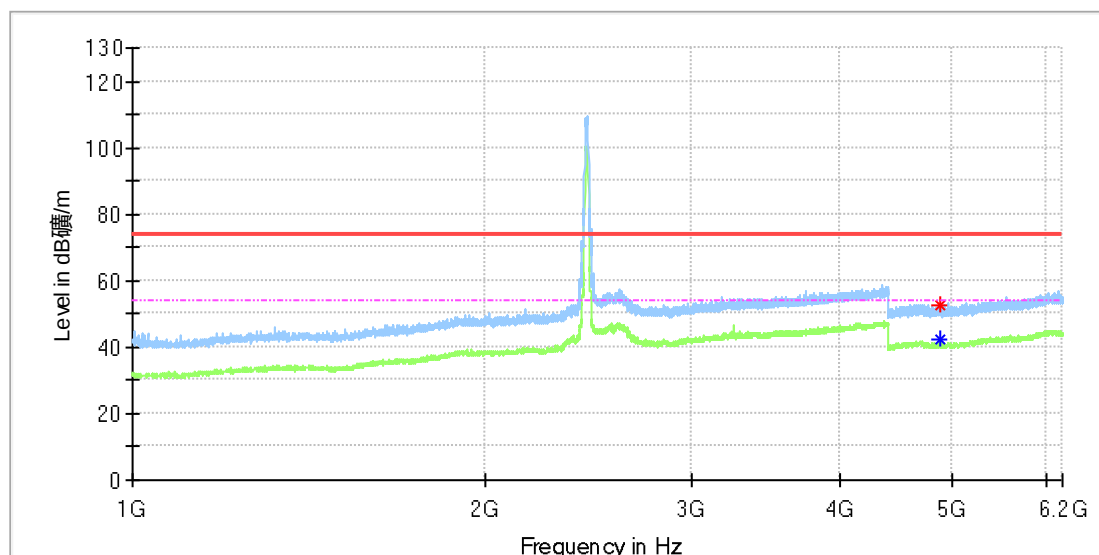
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4876.000000	---	43.63	54.00	10.37	150.0	V	238.0	13.3
4878.500000	54.08	---	74.00	19.92	150.0	V	245.0	13.3

Final_Result

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

EUT Information

EUT Name:	Portable Power Station
Model:	ANDES 1500
Test Mode:	WIFI 2.4G_11n20_Ch6
Order No/Sample No:	168546074/A003958044-001
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

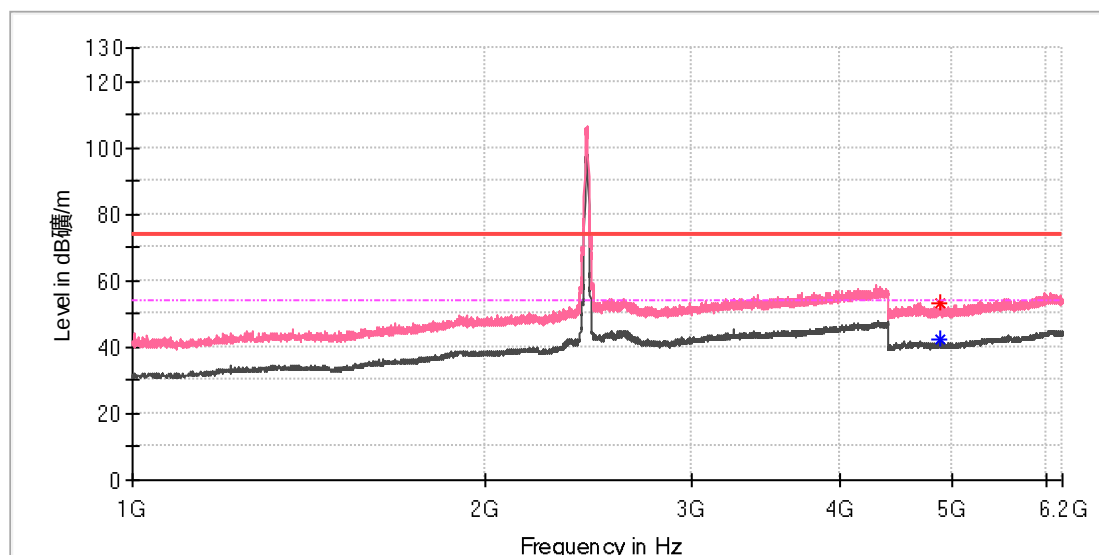
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4870.000000	52.59	---	74.00	21.41	150.0	H	133.0	13.3
4875.000000	---	42.22	54.00	11.78	150.0	H	95.0	13.3

Final Result

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

EUT Information

EUT Name:	Portable Power Station
Model:	ANDES 1500
Test Mode:	WIFI 2.4G_11n20_Ch6
Order No/Sample No:	168546074/A003958044-001
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



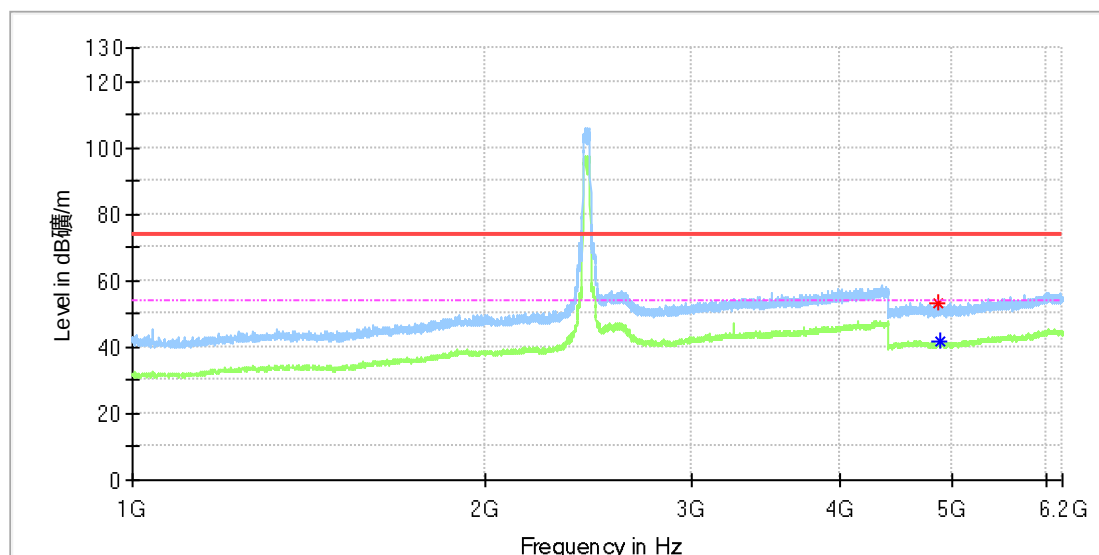
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4872.500000	53.03	---	74.00	20.97	150.0	V	239.0	13.3
4872.500000	---	42.60	54.00	11.40	150.0	V	239.0	13.3

Final Result

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

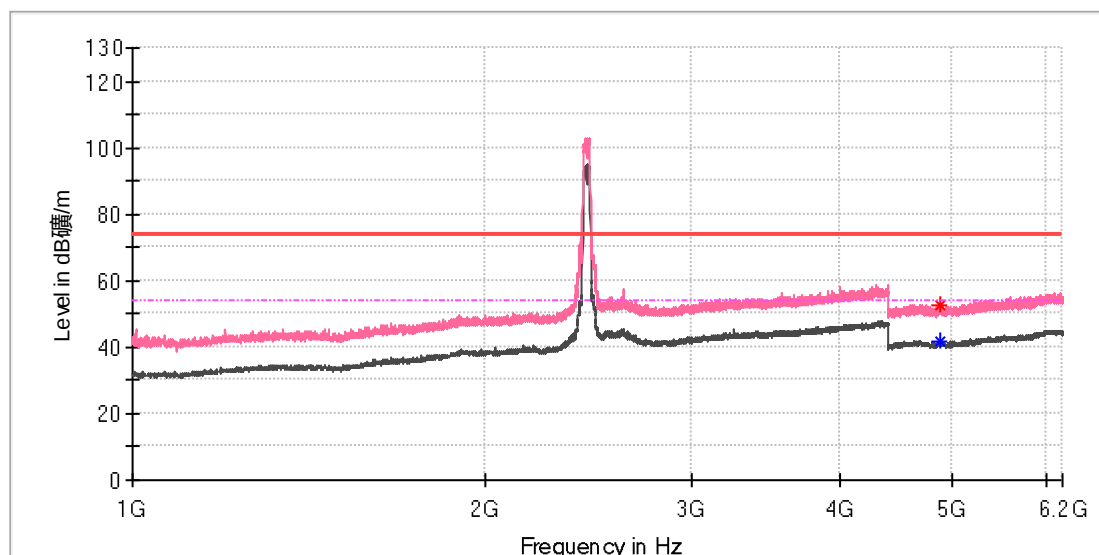
EUT Name:	Portable Power Station
Model:	ANDES 1500
Test Mode:	WIFI 2.4G_11n40_Ch6
Order No/Sample No:	168546074/A003958044-001
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4861.500000	53.34	---	74.00	20.66	150.0	H	141.0	13.3
4870.500000	---	41.76	54.00	12.24	150.0	H	141.0	13.3

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

EUT Name:	Portable Power Station
Model:	ANDES 1500
Test Mode:	WIFI 2.4G_11n40_Ch6
Order No/Sample No:	168546074/A003958044-001
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



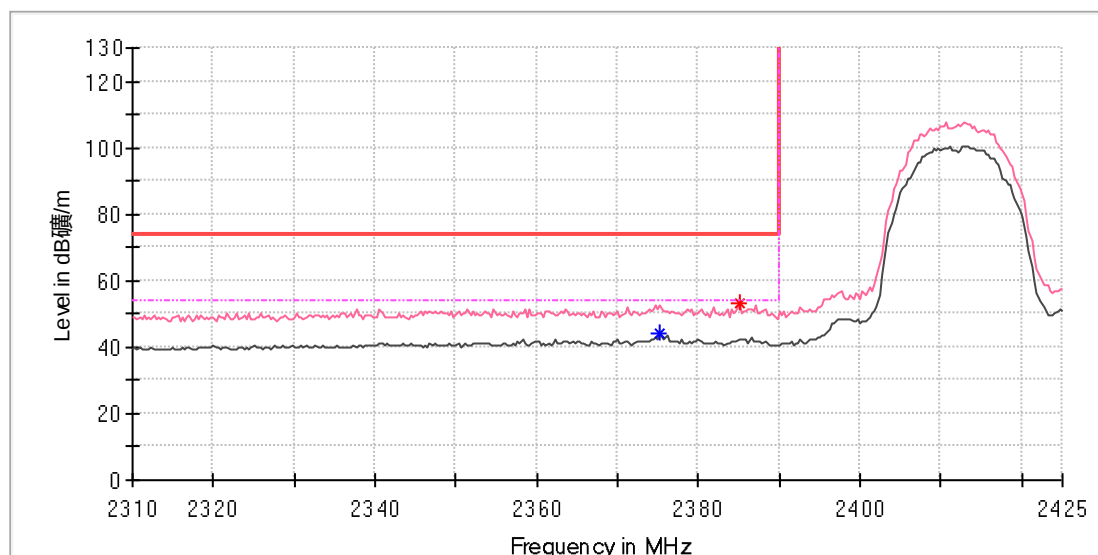
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4874.500000	---	41.94	54.00	12.06	150.0	V	246.0	13.3
4885.000000	52.38	---	74.00	21.62	150.0	V	253.0	13.3

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

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

EUT Information

EUT Name:	Portable Power Station
Model:	ANDES 1500
Test Mode:	WIFI 2.4G_11b_Ch1
Order No/Sample No:	168546074/A003958044-001
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

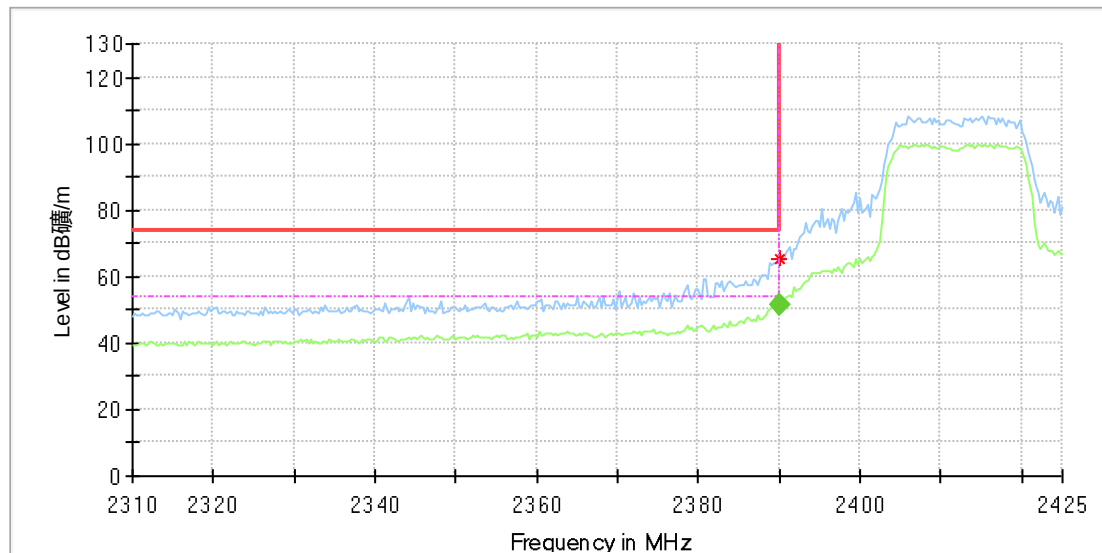
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2375.294118	---	44.18	54.00	9.82	150.0	V	108.0	8.5
2385.000000	53.25	---	74.00	20.75	150.0	V	108.0	8.5

Final Result

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

EUT Information

EUT Name:	Portable Power Station
Model:	ANDES 1500
Test Mode:	WIFI 2.4G_11g_Ch1
Order No/Sample No:	168546074/A003958044-001
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

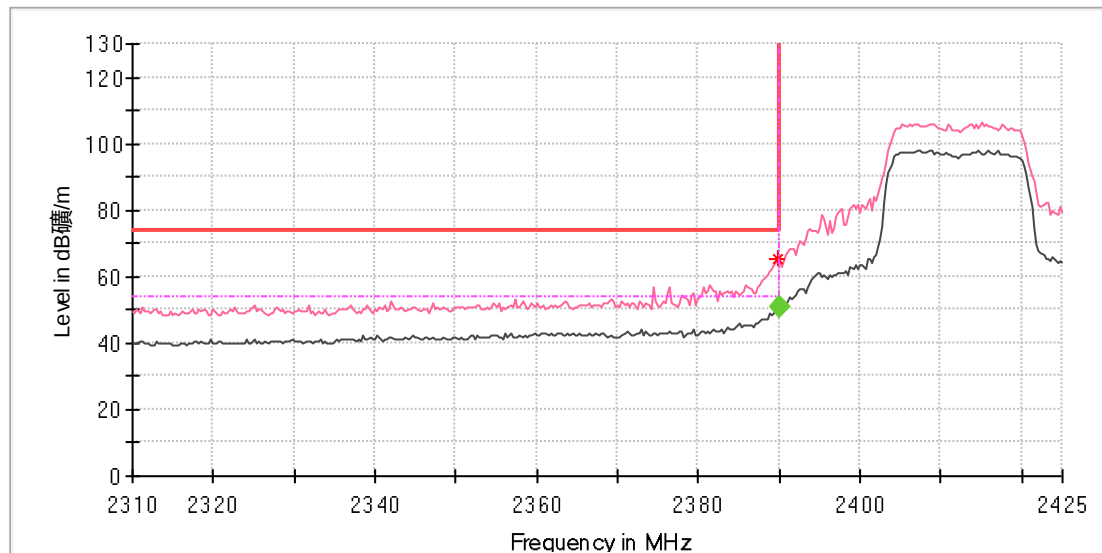
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2390.000000	65.17	---	74.00	8.83	150.0	H	44.0	8.5

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2390.000000	---	51.69	54.00	2.31	150.0	H	44.0	8.5

EUT Information

EUT Name:	Portable Power Station
Model:	ANDES 1500
Test Mode:	WIFI 2.4G_11g_Ch1
Order No/Sample No:	168546074/A003958044-001
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

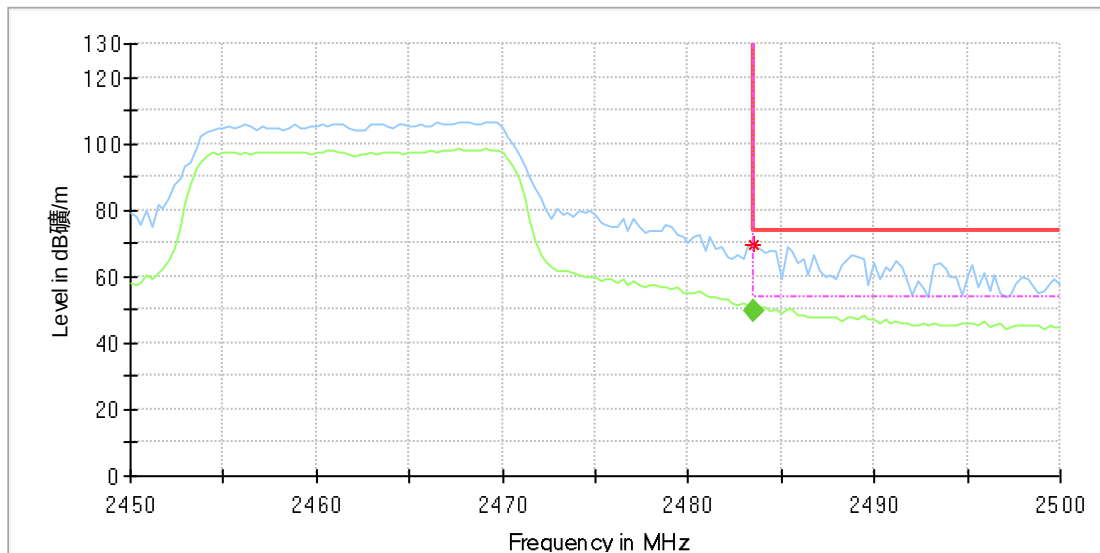
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.705882	65.21	---	74.00	8.79	150.0	V	108.0	8.5

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2390.069117	---	50.79	54.00	3.21	150.0	V	108.0	8.5

EUT Information

EUT Name:	Portable Power Station
Model:	ANDES 1500
Test Mode:	WIFI 2.4G_11g_Ch11
Order No/Sample No:	168546074/A003958044-001
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

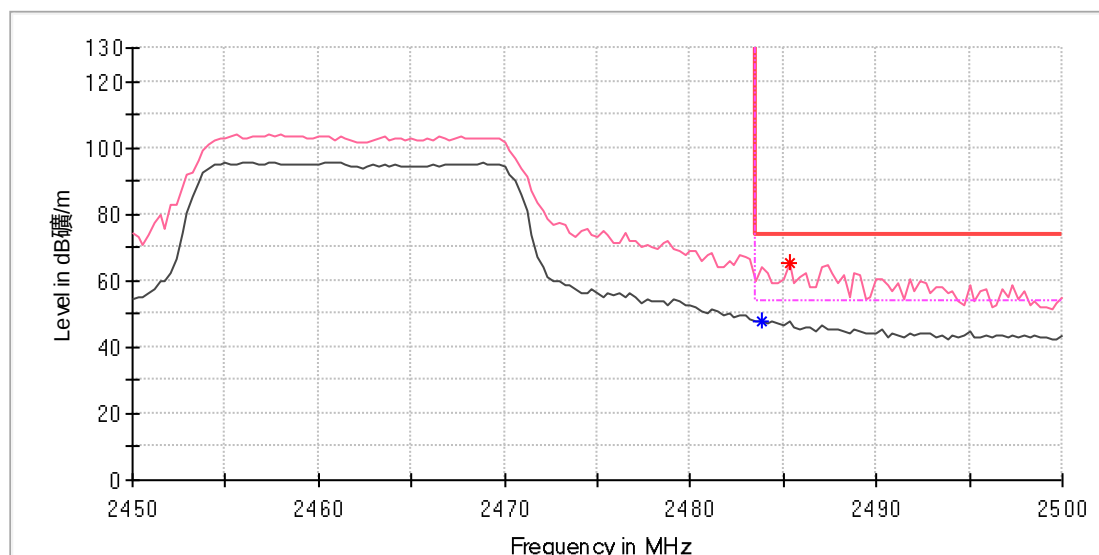
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.529412	69.54	---	74.00	4.46	150.0	H	18.0	9.0

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.529412	---	49.45	54.00	4.55	150.0	H	18.0	9.0

EUT Information

EUT Name:	Portable Power Station
Model:	ANDES 1500
Test Mode:	WIFI 2.4G_11g_Ch11
Order No/Sample No:	168546074/A003958044-001
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

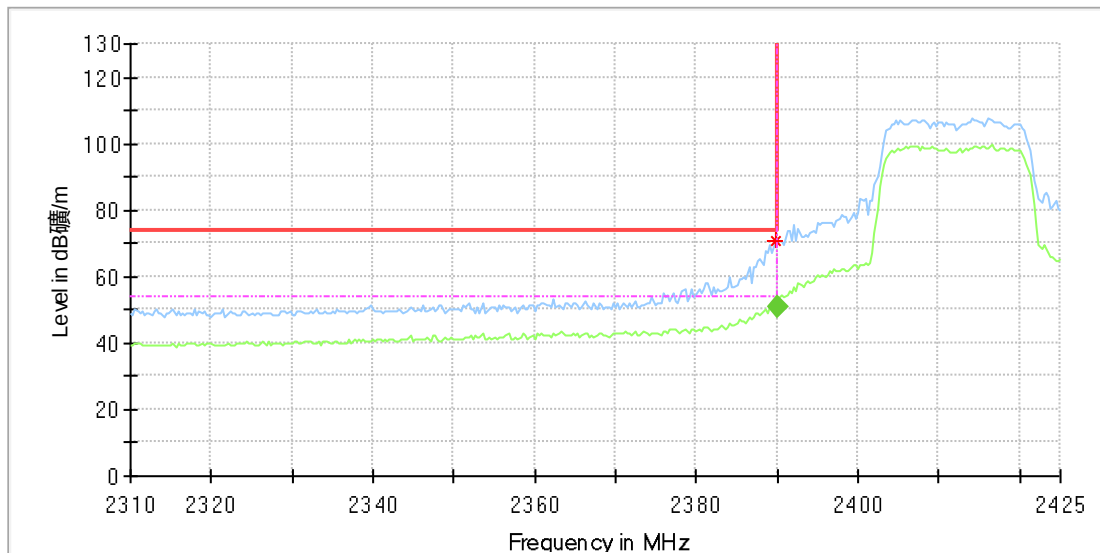
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.823529	---	47.98	54.00	6.02	150.0	V	44.0	9.0
2485.294118	65.25	---	74.00	8.75	150.0	V	80.0	9.0

Final_Result

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

EUT Information

EUT Name: Portable Power Station
Model: ANDES 1500
Test Mode: WIFI 2.4G_11n20_Ch1
Order No/Sample No: 168546074/A003958044-001
Test Voltage: AC 120V, 60Hz
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

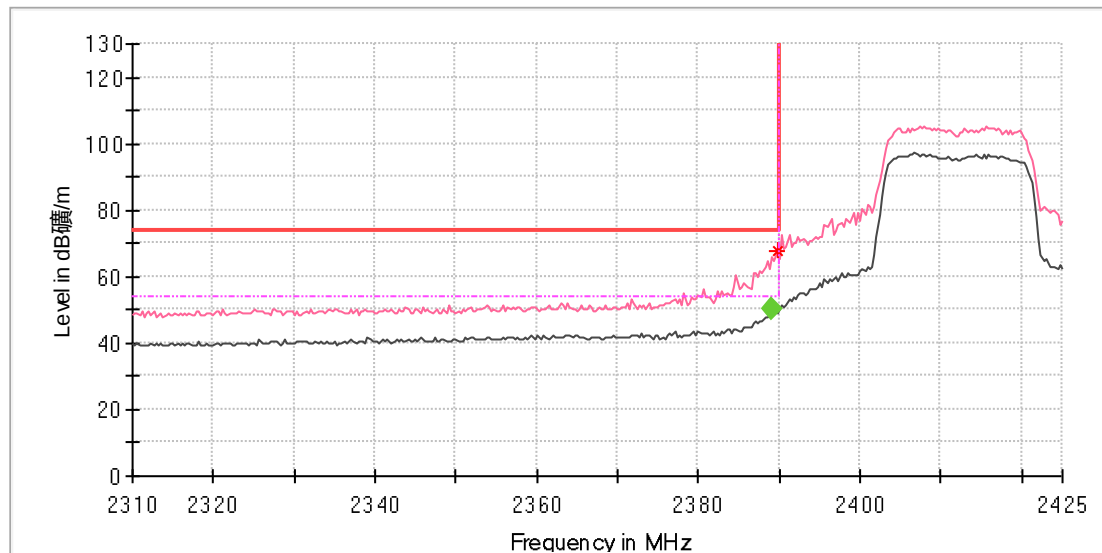
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.705882	70.94	---	74.00	3.06	150.0	H	30.0	8.5

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2390.000000	---	50.91	54.00	3.09	150.0	H	357.0	8.5

EUT Information

EUT Name: Portable Power Station
Model: ANDES 1500
Test Mode: WIFI 2.4G_11n20_Ch1
Order No/Sample No: 168546074/A003958044-001
Test Voltage: AC 120V, 60Hz
Remark: Temp 24 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)
2389.705882	67.99	---	74.00	6.01	150.0	V	74.0	8.5

Final_Result

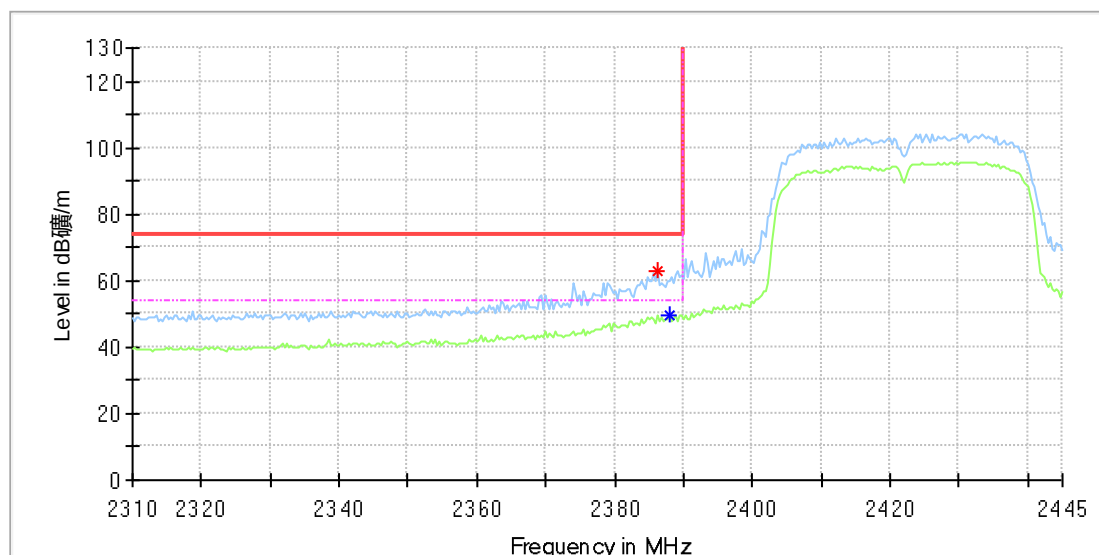
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.117647	---	50.42	54.00	3.58	150.0	V	111.0	8.5

EUT Name:	Portable Power Station
Model:	ANDES 1500
Test Mode:	WIFI 2.4G_11n20_Ch11
Order No/Sample No:	168546074/A003958044-001
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

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

EUT Information

EUT Name:	Portable Power Station
Model:	ANDES 1500
Test Mode:	WIFI 2.4G_11n40_Ch3
Order No/Sample No:	168546074/A003958044-001
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

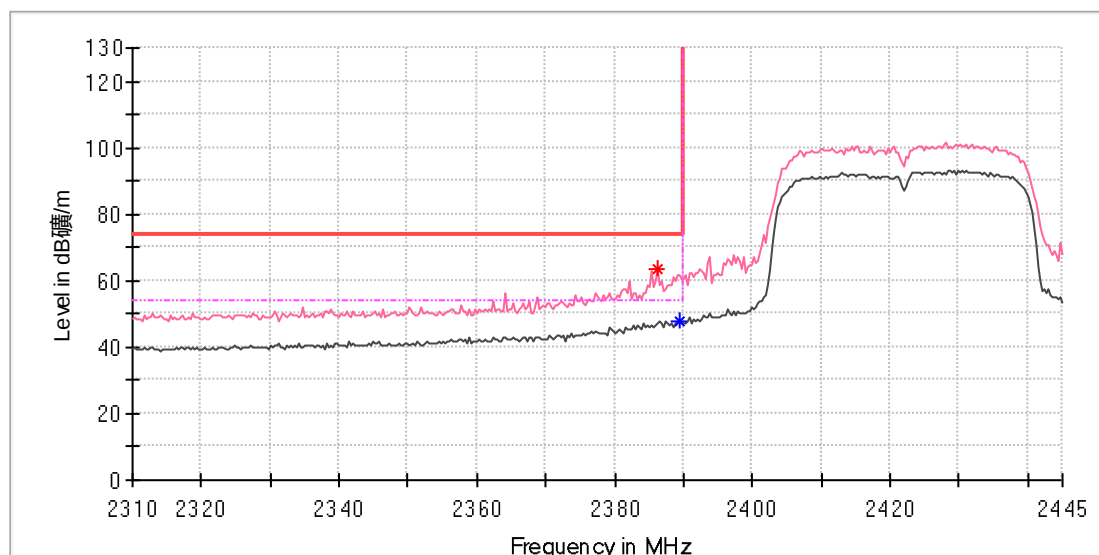
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2386.176471	63.13	---	74.00	10.87	150.0	H	356.0	8.5
2387.941177	---	49.74	54.00	4.26	150.0	H	33.0	8.5

Final_Result

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

EUT Information

EUT Name:	Portable Power Station
Model:	ANDES 1500
Test Mode:	WIFI 2.4G_11n40_Ch3
Order No/Sample No:	168546074/A003958044-001
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

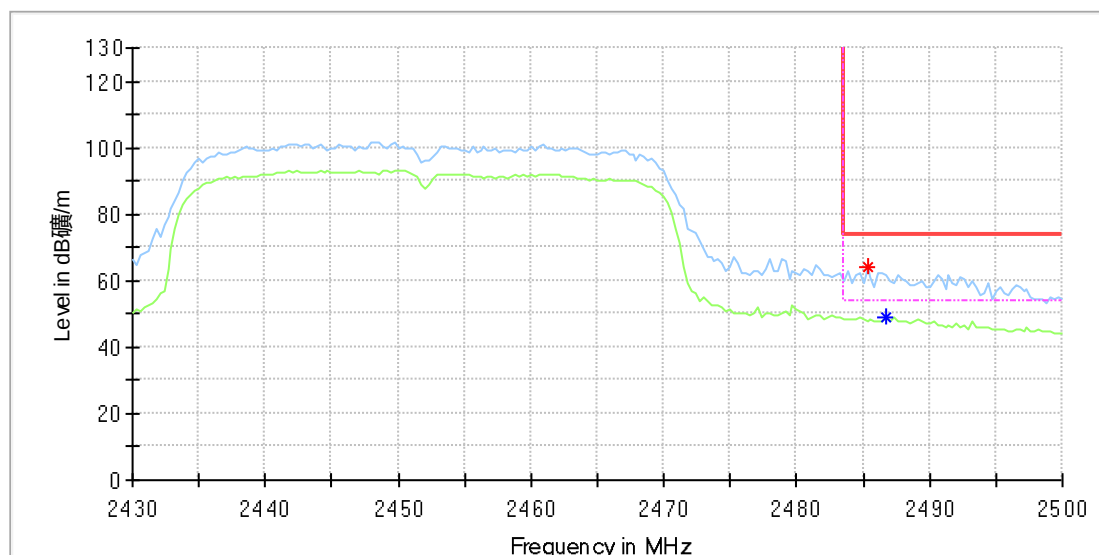
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2386.176471	63.55	---	74.00	10.45	150.0	V	95.0	8.5
2389.411765	---	47.81	54.00	6.19	150.0	V	116.0	8.5

Final_Result

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

EUT Information

EUT Name:	Portable Power Station
Model:	ANDES 1500
Test Mode:	WIFI 2.4G_11n40_Ch9
Order No/Sample No:	168546074/A003958044-001
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

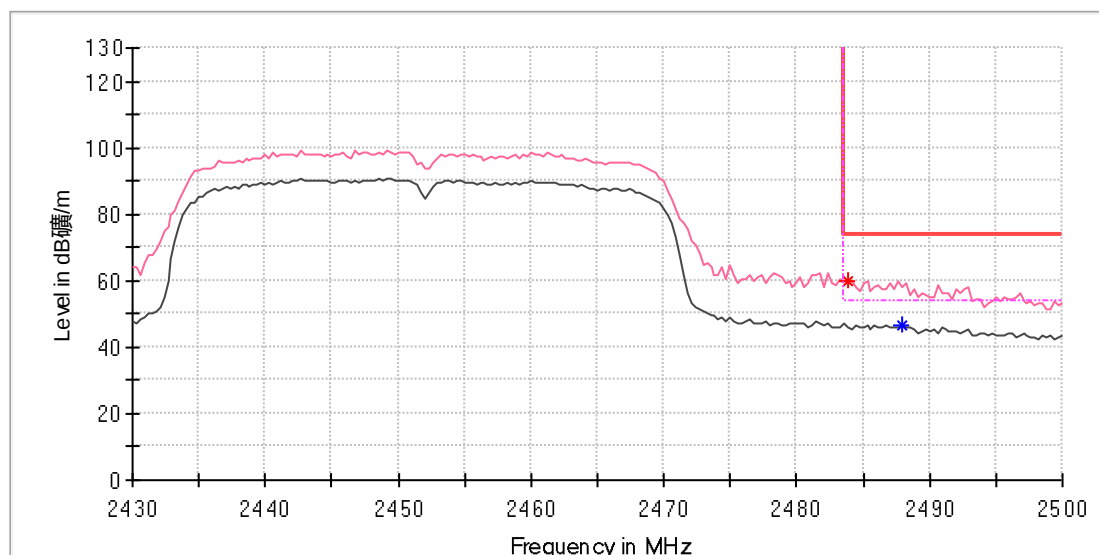
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2485.294118	64.14	---	74.00	9.86	150.0	H	10.0	9.0
2486.764706	---	49.08	54.00	4.92	150.0	H	4.0	9.0

Final Result

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

EUT Information

EUT Name:	Portable Power Station
Model:	ANDES 1500
Test Mode:	WIFI 2.4G_11n40_Ch9
Order No/Sample No:	168546074/A003958044-001
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 24 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)
2483.823529	59.87	---	74.00	14.13	150.0	V	86.0	9.0
2487.941177	---	46.78	54.00	7.22	150.0	V	80.0	9.0

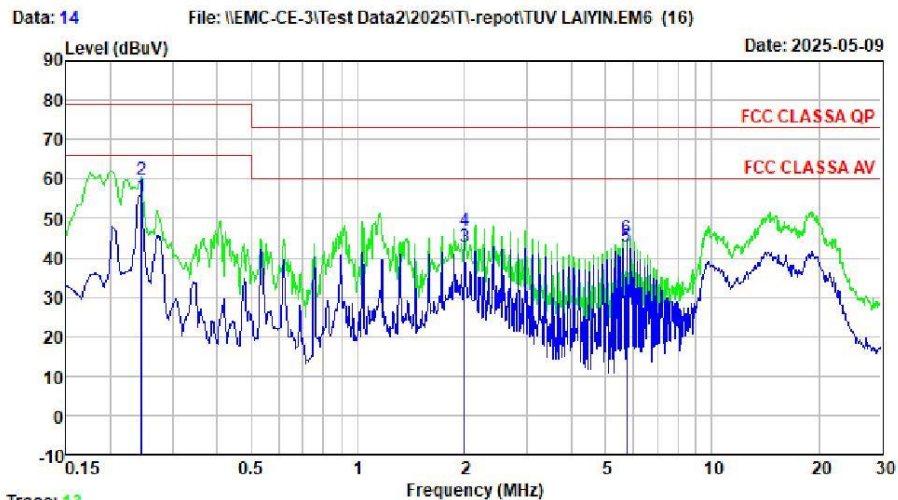
Final Result

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

Appendix A.7: Test Results of Conducted Emission on AC Mains

EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878



Trace: 13

Site no : 3#CE Shield Room Data no. : 14

Env. / Ins. : Temp:24.2°C;Humi:53%;Press:101.1kPa LINE Phase : LINE

Limit : FCC CLASS A QP

Engineer : Wind

EUT : Portable Power Station

Power : AC 120V/60Hz

M/N : Andes 1500

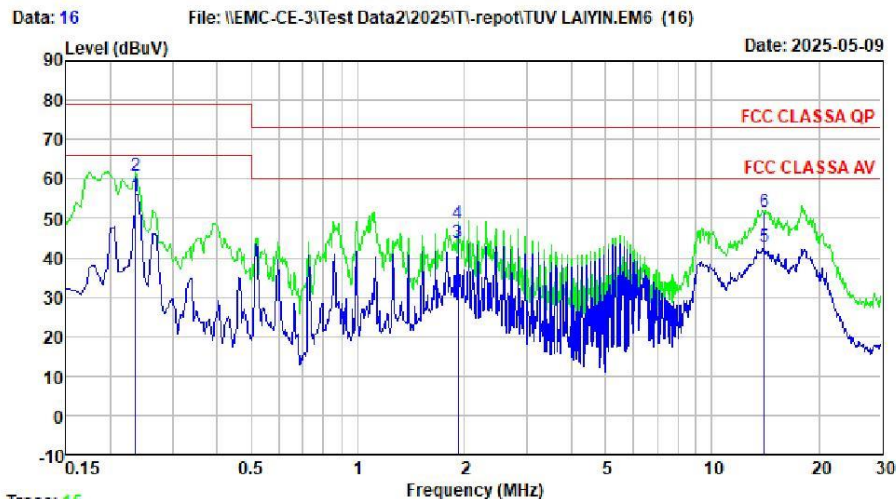
Test Mode : Half Load(Output:C1:20V/2.5A+C2:20V/2.5A
+A1:5V/1.5A+A2:5V/1.5A+A3:5V/1.5A
+A4:5V/1.5A+AC:500W
+Car socket:12.6V/2.37A
+DC 5521:12.6V/2.37A+Light)
With Extra Battery

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.24	0.09	9.82	45.73	55.64	66.00	10.36	Average
2	0.24	0.09	9.82	49.72	59.63	79.00	19.37	QP
3	2.00	0.12	9.85	32.97	42.94	60.00	17.06	Average
4	2.00	0.12	9.85	36.92	46.89	73.00	26.11	QP
5	5.74	0.15	9.88	32.83	42.86	60.00	17.14	Average
6	5.74	0.15	9.88	34.85	44.88	73.00	28.12	QP

Remarks: 1. Emission Level= LISN Factor + Cable Loss + Reading.
2. Margin= Limit - Emission Level.
3. If the average limit is met when using a quasi-peak detector,
the EUT shall be deemed to meet both limits and measurement
with average detector is unnecessary.

EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878



Trace: 15

Site no : 3#CE Shield Room Data no. : 16

Env. / Ins. : Temp:24.2°C;Humi:53%;Press:101.1kPa LINE Phase : NEUTRAL

Limit : FCC CLASS A QP

Engineer : Wind

EUT : Portable Power Station

Power : AC 120V/60Hz

M/N : Andes 1500

Test Mode : Half Load(Output:C1:20V/2.5A+C2:20V/2.5A
+A1:5V/1.5A+A2:5V/1.5A+A3:5V/1.5A
+A4:5V/1.5A+AC:500W
+Car socket:12.6V/2.37A
+DC 5521:12.6V/2.37A+Light)
With Extra Battery

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.24	0.09	9.82	45.92	55.83	66.00	10.17	Average
2	0.24	0.09	9.82	50.97	60.88	79.00	18.12	QP
3	1.92	0.14	9.85	33.83	43.82	60.00	16.18	Average
4	1.92	0.14	9.85	38.86	48.85	73.00	24.15	QP
5	14.06	0.32	9.97	32.34	42.63	60.00	17.37	Average
6	14.06	0.32	9.97	41.37	51.66	73.00	21.34	QP

Remarks: 1. Emission Level= LISN Factor + Cable Loss + Reading.
2. Margin= Limit - Emission Level.
3. If the average limit is met when using a quasi-peak detector,
the EUT shall be deemed to meet both limits and measurement
with average detector is unnecessary.