

## Appendix A: Test Results

<b>APPENDIX A: TEST RESULTS .....</b>	<b>1</b>
<b>APPENDIX A.1: TEST RESULTS OF RADIATED SPURIOUS EMISSIONS, BLUETOOTH LE.....</b>	<b>2</b>
30 MHz - 1GHz .....	2
1GHz - 18GHz.....	6
<b>APPENDIX A.2: TEST RESULTS OF RADIATED EMISSIONS IN RESTRICTED BANDS, BLUETOOTH LE .....</b>	<b>18</b>
<b>APPENDIX A.3: TEST RESULTS OF RADIATED SPURIOUS EMISSIONS, 2.4GHz Wi-Fi.....</b>	<b>26</b>
30 MHz - 1GHz .....	26
1GHz - 18GHz.....	28
<b>APPENDIX A.4: TEST RESULTS OF RADIATED EMISSIONS IN RESTRICTED BANDS, 2.4GHz Wi-Fi .....</b>	<b>76</b>
<b>APPENDIX A.5: TEST RESULTS OF CONDUCTED EMISSION ON AC MAINS.....</b>	<b>92</b>

### Appendix A.1: Test Results of Radiated Spurious Emissions, Bluetooth LE

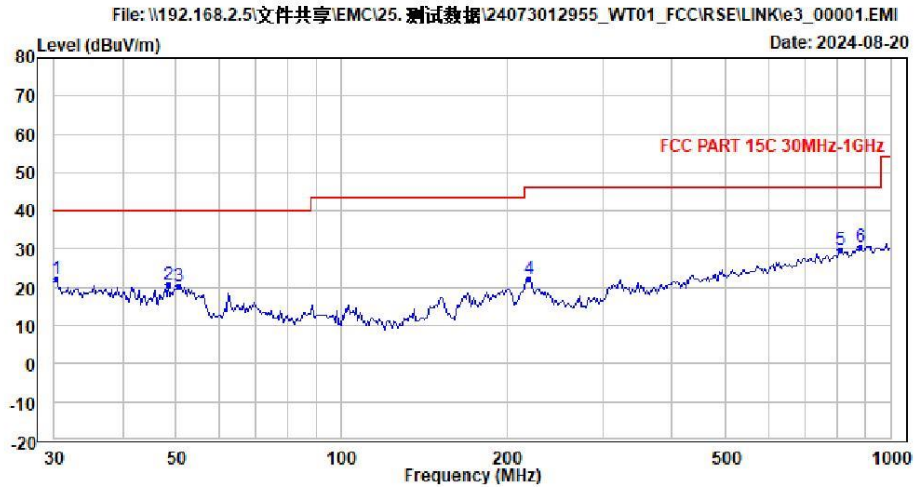
Note:

- 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



Shenzhen UnionTrust Quality and Technology Co., Ltd.

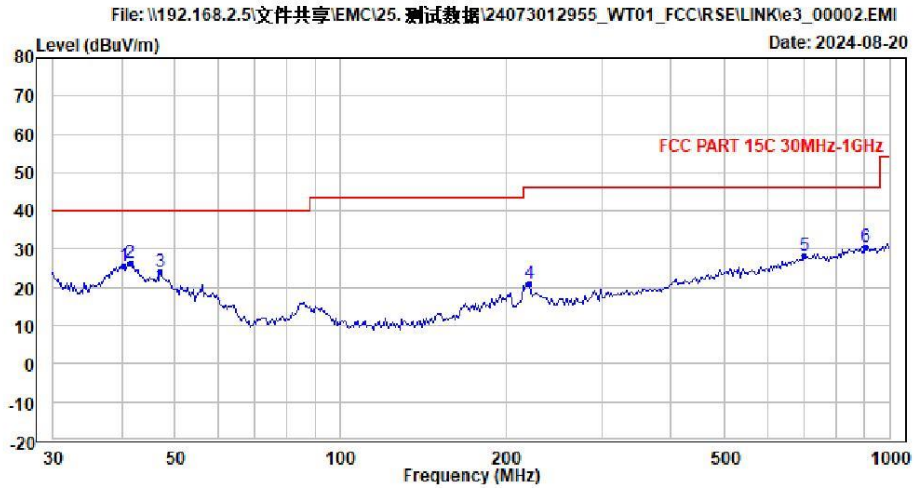


Condition : 3m Horizontal  
 Temp.(C)/Hum.(%): 24.8(C)/54.3(%)  
 Press : 99.9kpa  
 Product : Typhur Sync One Wireless Thermometer  
 Model No. : WT01  
 Power Rating : AC 120V/60Hz  
 Test Engineer : Fire  
 Test Mode : 2LE\_LINK  
 Remark :

	Freq	Level	Read Level	Ant Factor	Cable Loss	Aux Factor	Preamp Factor	Limit Line	Over Limit	Remark
	MHz	dBuV/m	dBuV	dB/m	dB	dB	dB	dBuV/m	dB	
1	30.212	22.06	26.53	23.80	0.63	0.00	28.90	40.00	-17.94	Peak
2	48.378	20.67	33.91	14.86	0.80	0.00	28.90	40.00	-19.33	Peak
3	50.461	20.36	34.11	14.36	0.79	0.00	28.90	40.00	-19.64	Peak
4	219.179	22.17	33.04	16.68	1.47	0.00	29.02	46.00	-23.83	Peak
5	809.924	29.84	26.54	29.90	2.59	0.00	29.19	46.00	-16.16	Peak
6 PP	881.184	30.53	26.05	30.82	2.74	0.00	29.08	46.00	-15.47	Peak



Shenzhen UnionTrust Quality and Technology Co., Ltd.



Condition : 3m Vertical  
Temp.(C)/Hum.(%): 24.8(C)/54.3(%)  
Press : 99.9kpa  
Product : Typhur Sync One Wireless Thermometer  
Model No. : WT01  
Power Rating : AC 120V/60Hz  
Test Engineer : Fire  
Test Mode : 2LE\_LINK  
Remark :

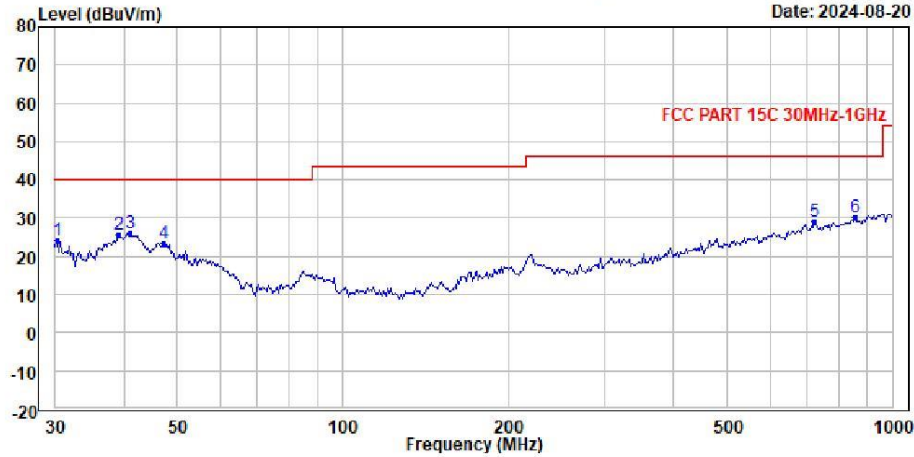
	Freq	Level	Read Level	Ant Factor	Cable Loss	Aux Factor	Preamp Factor	Limit Line	Over Limit	Remark
	MHz	dBuV/m	dBuV	dB/m	dB	dB	dB	dBuV/m	dB	
1	40.299	25.68	34.69	19.01	0.88	0.00	28.90	40.00	-14.32	Peak
2	41.448	26.26	35.58	18.71	0.87	0.00	28.90	40.00	-13.74	Peak
3	47.037	23.96	36.85	15.19	0.82	0.00	28.90	40.00	-16.04	Peak
4	220.724	20.96	31.80	16.70	1.48	0.00	29.02	46.00	-25.04	Peak
5	698.804	28.39	26.54	28.83	2.37	0.00	29.35	46.00	-17.61	Peak
6	906.304	30.46	25.52	31.17	2.81	0.00	29.04	46.00	-15.54	Peak



Shenzhen UnionTrust Quality and Technology Co., Ltd.

File: \\192.168.2.5\文件共享\EMC\25. 测试数据\24073012955\_WT01\_FCCIRSEILINKie3\_00003.EMI

Date: 2024-08-20



Condition : 3m Vertical  
Temp.(C)/Hum.(%): 24.8(C)/54.3(%)  
Press : 99.9kpa  
Product : Typhur Sync One Wireless Thermometer  
Model No. : WT01  
Power Rating : AC 120V/60Hz  
Test Engineer : Fire  
Test Mode : BLE\_LINK  
Remark :

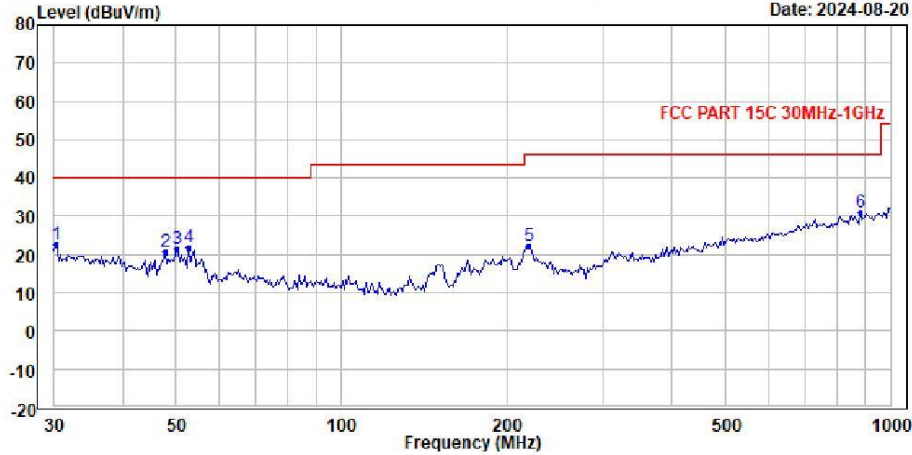
	Freq	Level	Read Level	Ant Factor	Cable Loss	Aux Factor	Preamp Factor	Limit Line	Over Limit	Remark
	MHz	dBuV/m	dBuV	dB/m	dB	dB	dB	dBuV/m	dB	
1	30.212	24.19	28.66	23.80	0.63	0.00	28.90	40.00	-15.81	Peak
2	39.182	25.57	33.69	19.92	0.86	0.00	28.90	40.00	-14.43	Peak
3 PP	41.158	26.15	35.41	18.77	0.87	0.00	28.90	40.00	-13.85	Peak
4	47.369	23.40	36.40	15.09	0.81	0.00	28.90	40.00	-16.60	Peak
5	723.793	28.99	27.00	28.88	2.42	0.00	29.31	46.00	-17.01	Peak
6	856.760	30.12	26.04	30.50	2.69	0.00	29.11	46.00	-15.88	Peak



Shenzhen UnionTrust Quality and Technology Co., Ltd.

File: \\192.168.2.5\文件共享\EMC\25. 测试数据\24073012955\_WT01\_FCCIRSEILINKie3\_00004.EMI

Date: 2024-08-20



Condition : 3m Horizontal  
Temp.(C)/Hum.(%) : 24.8(C)/54.3(%)  
Press : 99.9kpa  
Product : Typhur Sync One Wireless Thermometer  
Model No. : WT01  
Power Rating : AC 120V/60Hz  
Test Engineer : Fire  
Test Mode : BLE\_LINK  
Remark :

	Freq	Level	Read Level	Ant Factor	Cable Loss	Aux Factor	Preamp Factor	Limit Line	Over Limit	Remark
	MHz	dBuV/m	dBuV	dB/m	dB	dB	dB	dBuV/m	dB	
1	30.212	22.53	27.00	23.80	0.63	0.00	28.90	40.00	-17.47	Peak
2	47.703	20.59	33.69	14.99	0.81	0.00	28.90	40.00	-19.41	Peak
3	50.108	21.42	35.06	14.47	0.79	0.00	28.90	40.00	-18.58	Peak
4	52.634	21.80	36.55	13.35	0.80	0.00	28.90	40.00	-18.20	Peak
5	219.179	22.17	33.04	16.68	1.47	0.00	29.02	46.00	-23.83	Peak
6 PP	881.184	31.03	26.55	30.82	2.74	0.00	29.08	46.00	-14.97	Peak

1GHz - 18GHz

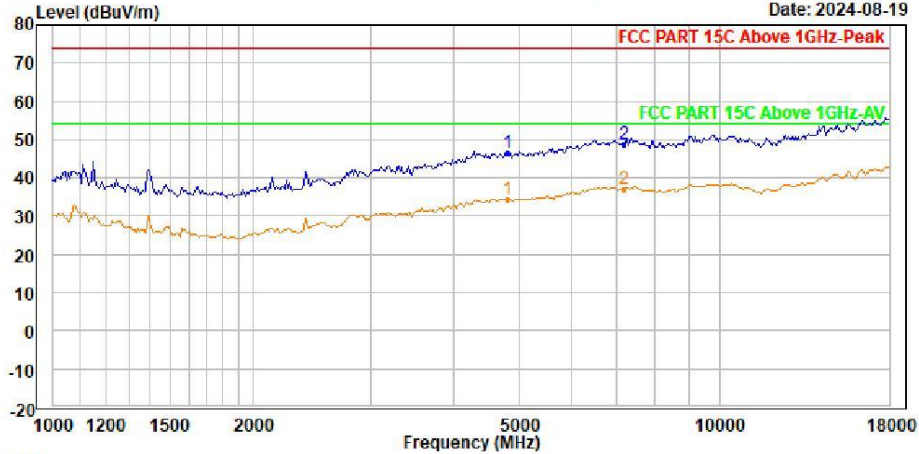
Note: The highest waveform in the figure is Bluetooth Fundamental.



Shenzhen UnionTrust Quality and Technology Co., Ltd.

File: W192.168.2.5文件共享\EMC\25. 测试数据\24073012955\_WT01\_FCC\RF\IEDR+BLE\RF\le3\_00001.EMI

Date: 2024-08-19



Trace: 1

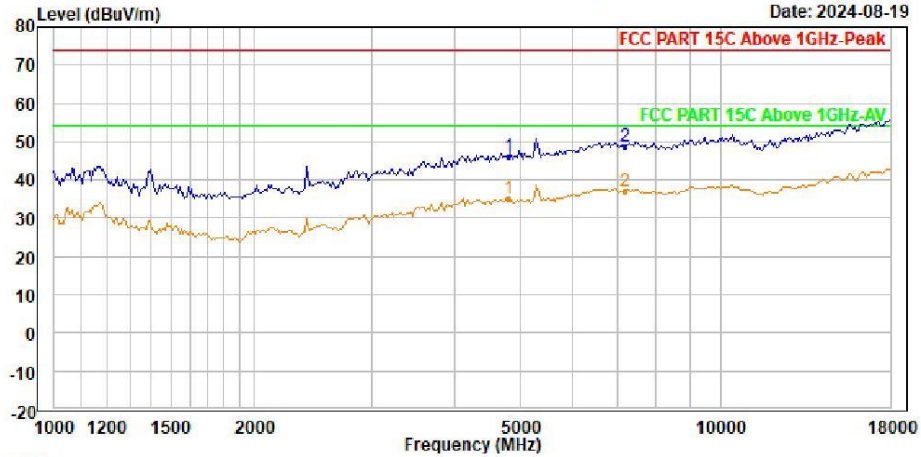
Condition : 3m Horizontal  
Temp.(C)/Hum.(%): 24.8(C)/54.3(%)  
Press : 99.9kpa  
Product : Typhur Sync One Wireless Thermometer  
Model No. : WT01  
Power Rating : AC 120V/60Hz  
Test Engineer : Fire  
Test Mode : 2LE\_2402  
Remark :

	Freq	Level	Read Level	Ant Factor	Cable Loss	Aux Factor	Preamp Factor	Limit Line	Over Limit	Remark
	MHz	dBuV/m	dBuV	dB/m	dB	dB	dB	dBuV/m	dB	
1	4804.000	46.47	48.55	34.46	9.32	0.00	45.86	74.00	-27.53	Peak
2 PP	7206.000	48.79	47.49	36.50	10.34	0.00	45.54	74.00	-25.21	Peak



Shenzhen UnionTrust Quality and Technology Co., Ltd.

File: \\192.168.2.5\文件共享\EMC\25. 测试数据\24073012955\_WT01\_FCCIRSEIEDR+BLEIRSEle3\_00003.EMI



Date: 2024-08-19

Trace: 1

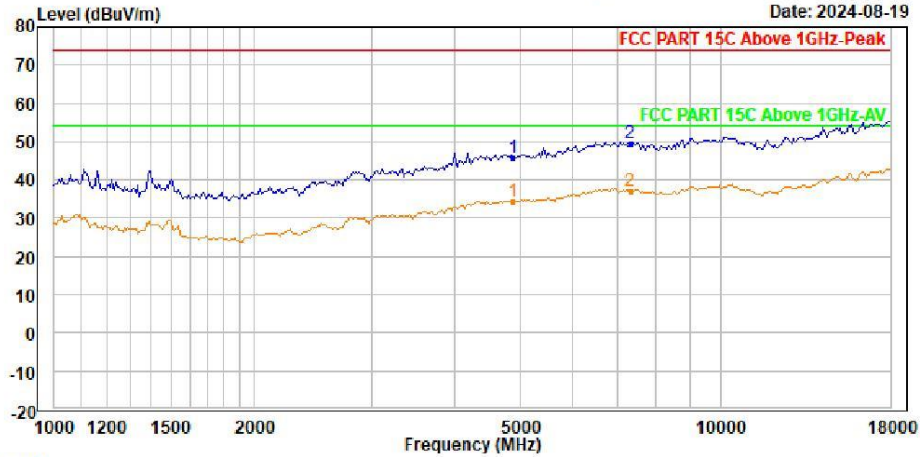
Condition : 3m Vertical  
Temp.(C)/Hum.(%): 24.8(C)/54.3(%)  
Press : 99.9kpa  
Product : Typhur Sync One Wireless Thermometer  
Model No. : WT01  
Power Rating : AC 120V/60Hz  
Test Engineer : Fire  
Test Mode : 2LE\_2402  
Remark :

	Freq	Level	Read Level	Ant Factor	Cable Loss	Aux Factor	Preamp Factor	Limit Line	Over Limit	Remark
	MHz	dBuV/m	dBuV	dB/m	dB	dB	dB	dBuV/m	dB	
1	4804.000	46.08	48.16	34.46	9.32	0.00	45.86	74.00	-27.92	Peak
2	7206.000	48.92	47.62	36.50	10.34	0.00	45.54	74.00	-25.08	Peak



Shenzhen UnionTrust Quality and Technology Co., Ltd.

File: \\192.168.2.5\文件共享\EMC\25. 测试数据\24073012955\_WT01\_FCCIRSEIEDR+BLEIRSEle3\_00005.EMI



Date: 2024-08-19

Trace: 1

Condition : 3m Horizontal  
Temp.(C)/Hum.(%): 24.8(C)/54.3(%)  
Press : 99.9kpa  
Product : Typhur Sync One Wireless Thermometer  
Model No. : WT01  
Power Rating : AC 120V/60Hz  
Test Engineer : Fire  
Test Mode : 2LE\_2440  
Remark :

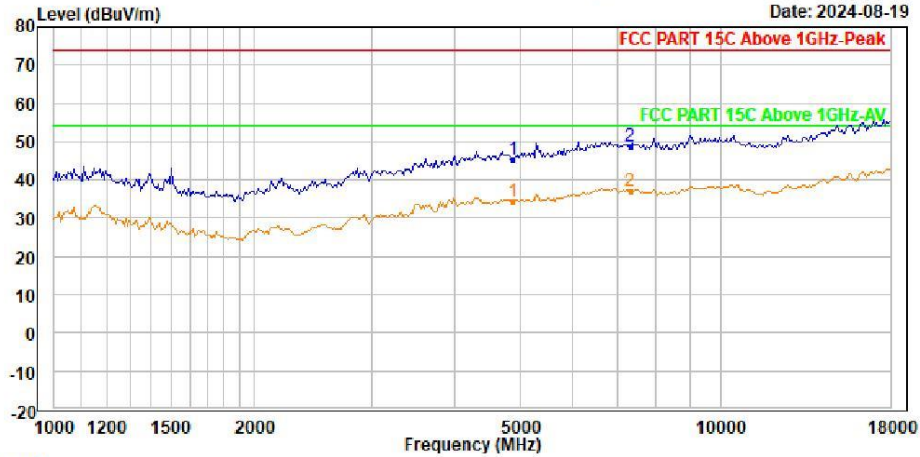
	Freq	Level	Read Level	Ant Factor	Cable Loss	Aux Factor	Preamp Factor	Limit Line	Over Limit	Remark
	MHz	dBuV/m	dBuV	dB/m	dB	dB	dB	dBuV/m	dB	
1	4880.000	45.85	47.90	34.48	9.35	0.00	45.88	74.00	-28.15	Peak
2	PP 7320.000	49.59	48.28	36.50	10.37	0.00	45.56	74.00	-24.41	Peak





Shenzhen UnionTrust Quality and Technology Co., Ltd.

File: \\192.168.2.5\文件共享\EMC\25. 测试数据\24073012955\_WT01\_FCCIRSEIEDR+BLEIRSEle3\_00007.EMI



Date: 2024-08-19

Trace: 1

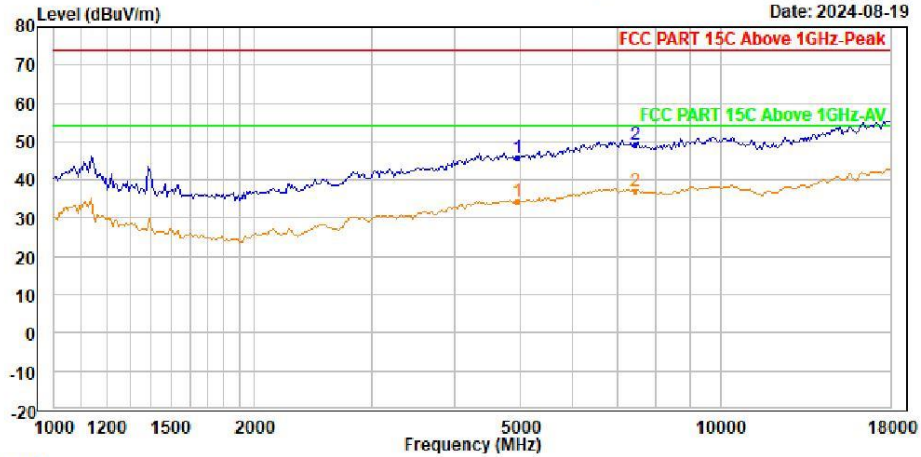
Condition : 3m Vertical  
Temp.(C)/Hum.(%): 24.8(C)/54.3(%)  
Press : 99.9kpa  
Product : Typhur Sync One Wireless Thermometer  
Model No. : WT01  
Power Rating : AC 120V/60Hz  
Test Engineer : Fire  
Test Mode : 2LE\_2440  
Remark :

	Freq	Level	Read Level	Ant Factor	Cable Loss	Aux Factor	Preamp Factor	Limit Line	Over Limit	Remark
	MHz	dBuV/m	dBuV	dB/m	dB	dB	dB	dBuV/m	dB	
1	4880.000	45.33	47.38	34.48	9.35	0.00	45.88	74.00	-28.67	Peak
2 PP	7320.000	48.88	47.57	36.50	10.37	0.00	45.56	74.00	-25.12	Peak



Shenzhen UnionTrust Quality and Technology Co., Ltd.

File: \\192.168.2.5\文件共享\EMC\25. 测试数据\24073012955\_WT01\_FCCIRSEIEDR+BLEIRSEle3\_00009.EMI



Date: 2024-08-19

Trace: 1

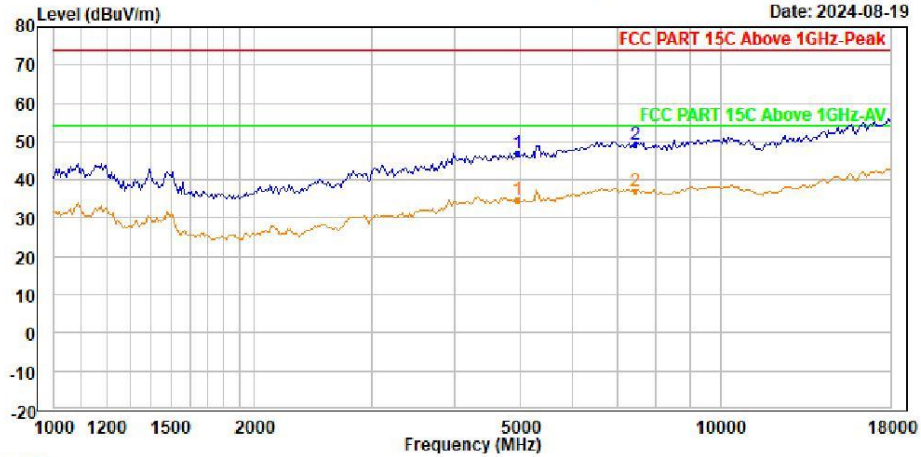
Condition : 3m Horizontal  
Temp.(C)/Hum.(%): 24.8(C)/54.3(%)  
Press : 99.9kpa  
Product : Typhur Sync One Wireless Thermometer  
Model No. : WT01  
Power Rating : AC 120V/60Hz  
Test Engineer : Fire  
Test Mode : 2LE\_2480  
Remark :

	Freq	Level	Read Level	Ant Factor	Cable Loss	Aux Factor	Preamp Factor	Limit Line	Over Limit	Remark
	MHz	dBuV/m	dBuV	dB/m	dB	dB	dB	dBuV/m	dB	
1	4960.000	45.78	47.80	34.49	9.38	0.00	45.89	74.00	-28.22	Peak
2	7440.000	49.05	47.73	36.50	10.41	0.00	45.59	74.00	-24.95	Peak



Shenzhen UnionTrust Quality and Technology Co., Ltd.

File: \\192.168.2.5\文件共享\EMC\25. 测试数据\24073012955\_WT01\_FCCIRSEIEDR+BLEIRSEle3\_00011.EMI



Date: 2024-08-19

Trace: 1

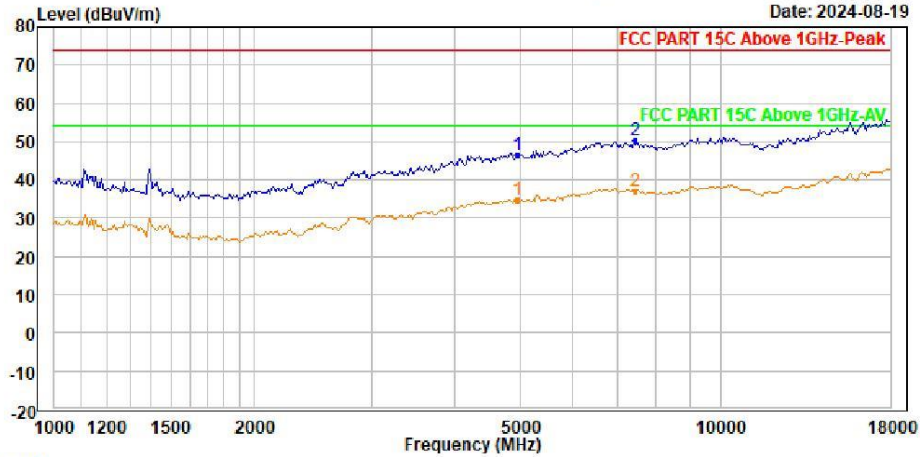
Condition : 3m Vertical  
Temp.(C)/Hum.(%): 24.8(C)/54.3(%)  
Press : 99.9kpa  
Product : Typhur Sync One Wireless Thermometer  
Model No. : WT01  
Power Rating : AC 120V/60Hz  
Test Engineer : Fire  
Test Mode : 2LE\_2480  
Remark :

	Freq	Level	Read Level	Ant Factor	Cable Loss	Aux Factor	Preamp Factor	Limit Line	Over Limit	Remark
	MHz	dBuV/m	dBuV	dB/m	dB	dB	dB	dBuV/m	dB	
1	4960.000	46.93	48.95	34.49	9.38	0.00	45.89	74.00	-27.07	Peak
2	7440.000	49.15	47.83	36.50	10.41	0.00	45.59	74.00	-24.85	Peak



Shenzhen UnionTrust Quality and Technology Co., Ltd.

File: \\192.168.2.5\文件共享\EMC\25. 测试数据\24073012955\_WT01\_FCCIRSEIEDR+BLEIRSEle3\_00013.EMI



Date: 2024-08-19

Trace: 1

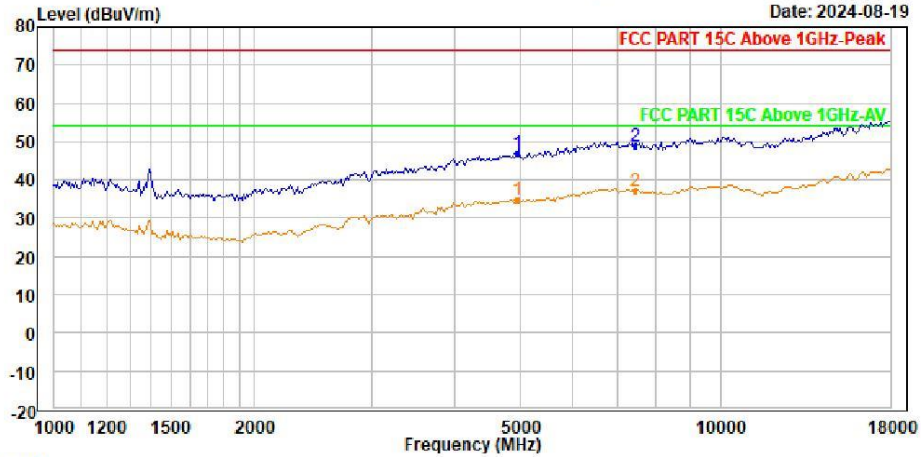
Condition : 3m Horizontal  
Temp.(C)/Hum.(%): 24.8(C)/54.3(%)  
Press : 99.9kpa  
Product : Typhur Sync One Wireless Thermometer  
Model No. : WT01  
Power Rating : AC 120V/60Hz  
Test Engineer : Fire  
Test Mode : BLE\_2480  
Remark :

	Freq	Level	Read Level	Ant Factor	Cable Loss	Aux Factor	Preamp Factor	Limit Line	Over Limit	Remark
	MHz	dBuV/m	dBuV	dB/m	dB	dB	dB	dBuV/m	dB	
1	4960.000	46.38	48.40	34.49	9.38	0.00	45.89	74.00	-27.62	Peak
2	PP 7440.000	50.30	48.98	36.50	10.41	0.00	45.59	74.00	-23.70	Peak



Shenzhen UnionTrust Quality and Technology Co., Ltd.

File: \\192.168.2.5\文件共享\EMC\25. 测试数据\24073012955\_WT01\_FCCIRSEIEDR+BLEIRSEle3\_00015.EMI



Date: 2024-08-19

Trace: 1

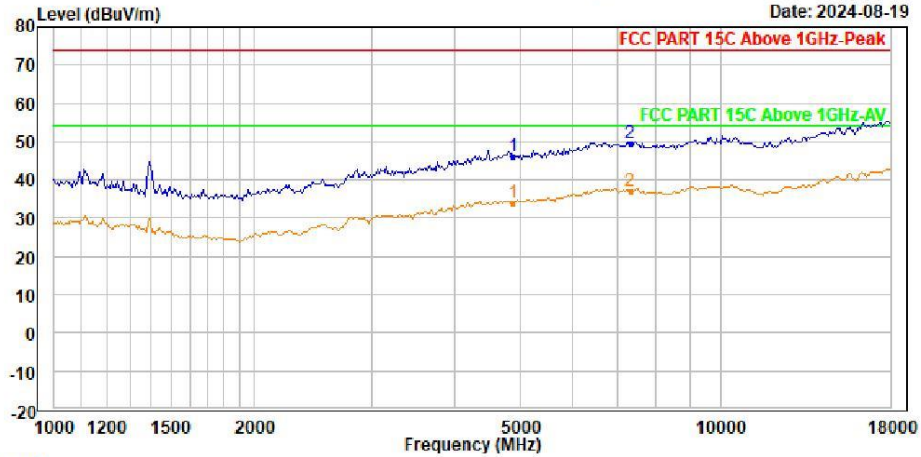
Condition : 3m Vertical  
Temp.(C)/Hum.(%): 24.8(C)/54.3(%)  
Press : 99.9kpa  
Product : Typhur Sync One Wireless Thermometer  
Model No. : WT01  
Power Rating : AC 120V/60Hz  
Test Engineer : Fire  
Test Mode : BLE\_2480  
Remark :

	Freq	Level	Read Level	Ant Factor	Cable Loss	Aux Factor	Preamp Factor	Limit Line	Over Limit	Remark
	MHz	dBuV/m	dBuV	dB/m	dB	dB	dB	dBuV/m	dB	
1	4960.000	47.06	49.08	34.49	9.38	0.00	45.89	74.00	-26.94	Peak
2	7440.000	48.86	47.54	36.50	10.41	0.00	45.59	74.00	-25.14	Peak



Shenzhen UnionTrust Quality and Technology Co., Ltd.

File: \\192.168.2.5\文件共享\EMC\25. 测试数据\24073012955\_WT01\_FCCIRSEIEDR+BLEIRSEle3\_00017.EMI



Date: 2024-08-19

Trace: 1

Condition : 3m Horizontal  
Temp.(C)/Hum.(%): 24.8(C)/54.3(%)  
Press : 99.9kpa  
Product : Typhur Sync One Wireless Thermometer  
Model No. : WT01  
Power Rating : AC 120V/60Hz  
Test Engineer : Fire  
Test Mode : BLE\_2440  
Remark :

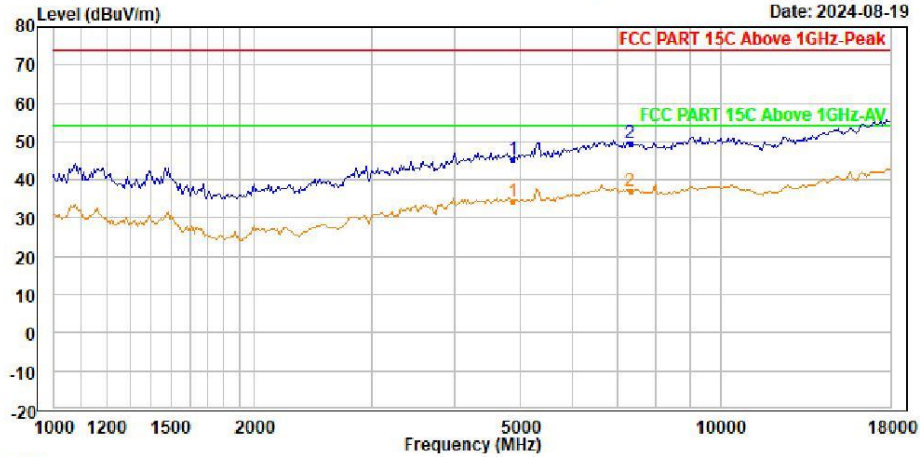
	Freq	Level	Read Level	Ant Factor	Cable Loss	Aux Factor	Preamp Factor	Limit Line	Over Limit	Remark
	MHz	dBuV/m	dBuV	dB/m	dB	dB	dB	dBuV/m	dB	
1	4880.000	45.99	48.04	34.48	9.35	0.00	45.88	74.00	-28.01	Peak
2	PP 7320.000	49.68	48.37	36.50	10.37	0.00	45.56	74.00	-24.32	Peak



Shenzhen UnionTrust Quality and Technology Co., Ltd.

File: \\192.168.2.5\文件共享\EMC\25. 测试数据\24073012955\_WT01\_FCCIRSEIEDR+BLEIRSEle3\_00019.EMI

Date: 2024-08-19



Trace: 1

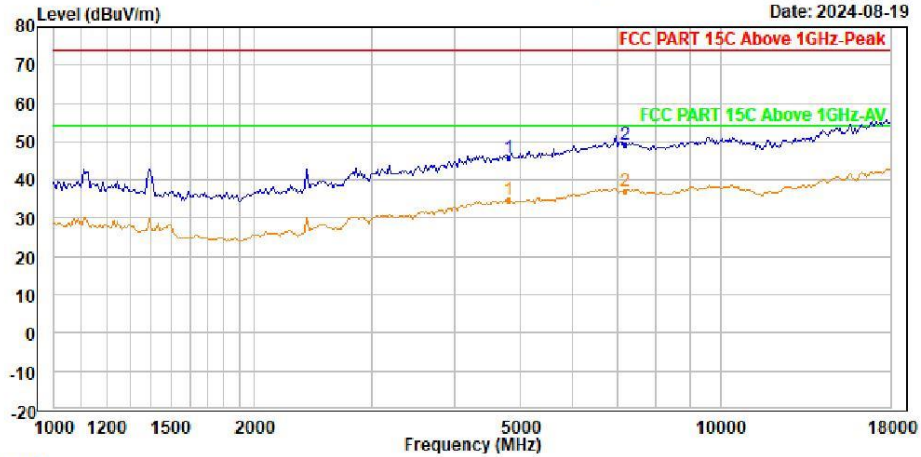
Condition : 3m Vertical  
Temp.(C)/Hum.(%): 24.8(C)/54.3(%)  
Press : 99.9kpa  
Product : Typhur Sync One Wireless Thermometer  
Model No. : WT01  
Power Rating : AC 120V/60Hz  
Test Engineer : Fire  
Test Mode : BLE\_2440  
Remark :

	Freq	Level	Read Level	Ant Factor	Cable Loss	Aux Factor	Preamp Factor	Limit Line	Over Limit	Remark
	MHz	dBuV/m	dBuV	dB/m	dB	dB	dB	dBuV/m	dB	
1	4880.000	45.53	47.58	34.48	9.35	0.00	45.88	74.00	-28.47	Peak
2 PP	7320.000	49.42	48.11	36.50	10.37	0.00	45.56	74.00	-24.58	Peak



Shenzhen UnionTrust Quality and Technology Co., Ltd.

File: \\192.168.2.5\文件共享\EMC\25. 测试数据\24073012955\_WT01\_FCCIRSEIEDR+BLEIRSEle3\_00021.EMI



Date: 2024-08-19

Trace: 1

Condition : 3m Horizontal  
Temp.(C)/Hum.(%): 24.8(C)/54.3(%)  
Press : 99.9kpa  
Product : Typhur Sync One Wireless Thermometer  
Model No. : WT01  
Power Rating : AC 120V/60Hz  
Test Engineer : Fire  
Test Mode : BLE\_2402  
Remark :

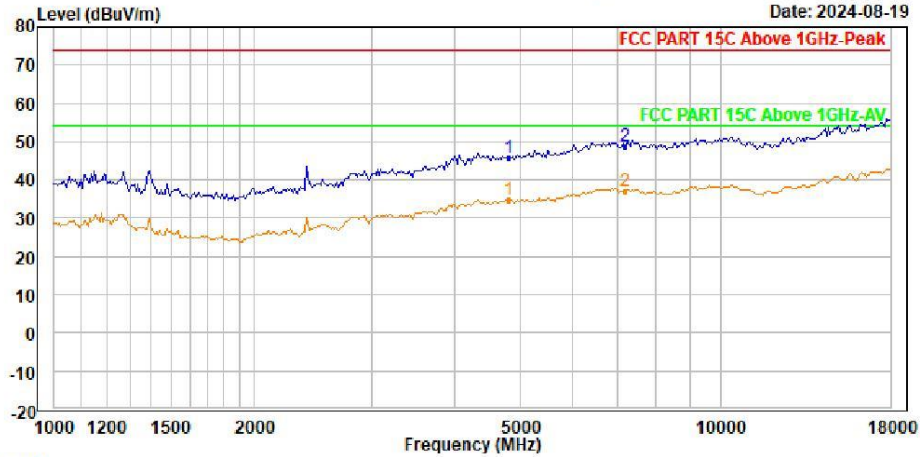
	Freq	Level	Read Level	Ant Factor	Cable Loss	Aux Factor	Preamp Factor	Limit Line	Over Limit	Remark
	MHz	dBuV/m	dBuV	dB/m	dB	dB	dB	dBuV/m	dB	
1	4804.000	45.95	48.03	34.46	9.32	0.00	45.86	74.00	-28.05	Peak
2	7206.000	49.30	48.00	36.50	10.34	0.00	45.54	74.00	-24.70	Peak





Shenzhen UnionTrust Quality and Technology Co., Ltd.

File: \\192.168.2.5\文件共享\EMC\25. 测试数据\24073012955\_WT01\_FCCIRSEIEDR+BLEIRSEle3\_00023.EMI



Date: 2024-08-19

Trace: 1

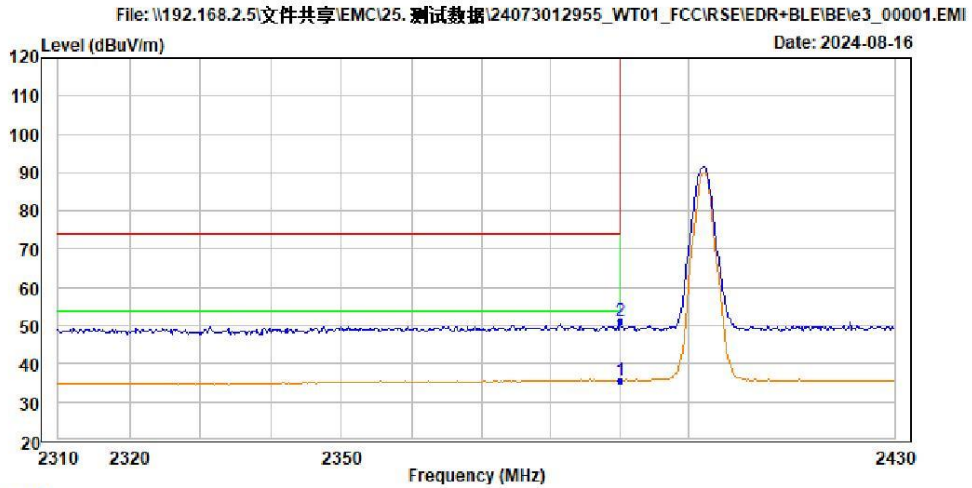
Condition : 3m Vertical  
Temp.(C)/Hum.(%): 24.8(C)/54.3(%)  
Press : 99.9kpa  
Product : Typhur Sync One Wireless Thermometer  
Model No. : WT01  
Power Rating : AC 120V/60Hz  
Test Engineer : Fire  
Test Mode : BLE\_2402  
Remark :

	Freq	Level	Read Level	Ant Factor	Cable Loss	Aux Factor	Preamp Factor	Limit Line	Over Limit	Remark
	MHz	dBuV/m	dBuV	dB/m	dB	dB	dB	dBuV/m	dB	
1	4804.000	45.93	48.01	34.46	9.32	0.00	45.86	74.00	-28.07	Peak
2	7206.000	48.66	47.36	36.50	10.34	0.00	45.54	74.00	-25.34	Peak

Appendix A.2: Test Results of Radiated Emissions in Restricted Bands, Bluetooth LE



Shenzhen UnionTrust Quality and Technology Co., Ltd.



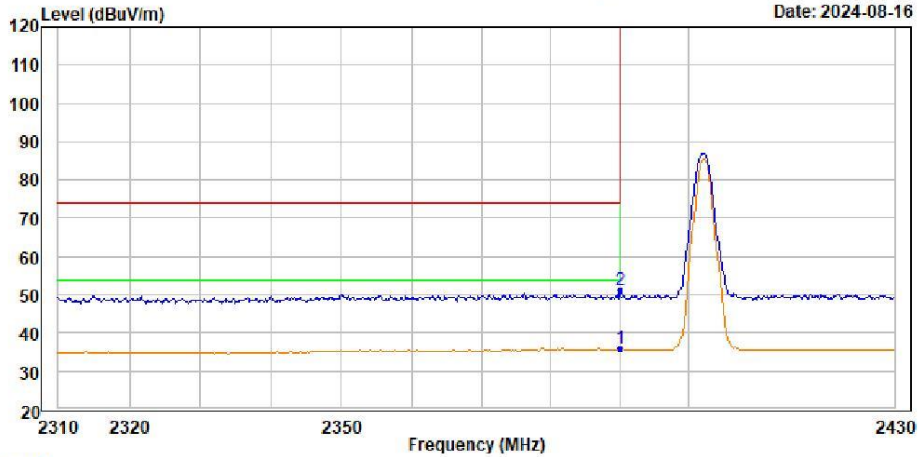
Trace: 1  
 Condition : 3m Horizontal  
 Temp.(C)/Hum.(%) : 24.8(C)/54.3(%)  
 Press : 99.9kpa  
 Product : Typhur Sync One Wireless Thermometer  
 Model No. : WT01  
 Power Rating : AC 120V/60Hz  
 Test Engineer : Fire  
 Test Mode : BLE\_2402  
 Remark :

	Freq	Level	Read Level	Ant Factor	Cable Loss	Aux Factor	Preamp Factor	Limit Line	Over Limit	Remark
	MHz	dBuV/m	dBuV	dB/m	dB	dB	dB	dBuV/m	dB	
1	PP 2390.000	35.56	34.06	31.55	7.35	10.00	47.40	54.00	-18.44	Average
2	PK 2390.000	51.28	49.78	31.55	7.35	10.00	47.40	74.00	-22.72	Peak



Shenzhen UnionTrust Quality and Technology Co., Ltd.

File: \\192.168.2.5\文件共享\EMC\25. 测试数据\24073012955\_WT01\_FCCIRSEIEDR+BLEBLEe3\_00003.EMI



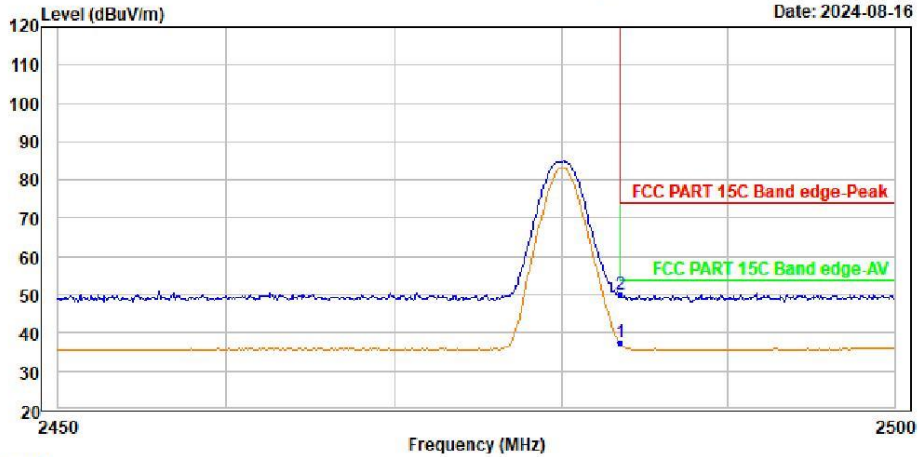
Trace: 1  
 Condition : 3m Vertical  
 Temp.(C)/Hum.(%) : 24.8(C)/54.3(%)  
 Press : 99.9kpa  
 Product : Typhur Sync One Wireless Thermometer  
 Model No. : WT01  
 Power Rating : AC 120V/60Hz  
 Test Engineer : Fire  
 Test Mode : BLE\_2402  
 Remark :

	Freq	Level	Read Level	Ant Factor	Cable Loss	Aux Factor	Preamp Factor	Limit Line	Over Limit	Remark
	MHz	dBuV/m	dBuV	dB/m	dB	dB	dB	dBuV/m	dB	
1 PP	2390.000	35.87	34.37	31.55	7.35	10.00	47.40	54.00	-18.13	Average
2 PK	2390.000	51.26	49.76	31.55	7.35	10.00	47.40	74.00	-22.74	Peak



Shenzhen UnionTrust Quality and Technology Co., Ltd.

File: \\192.168.2.5\文件共享\EMC\25. 测试数据\24073012955\_WT01\_FCCIRSEIEDR+BLEIBE3\_00005.EMI



Trace: 1

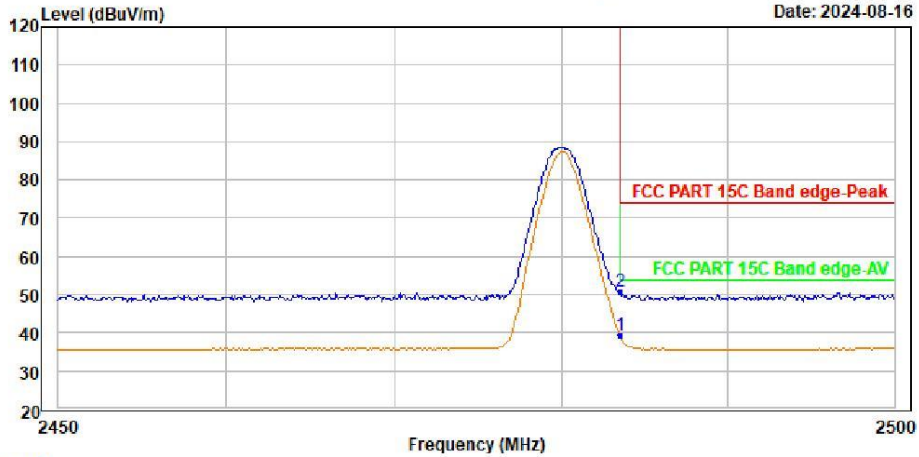
Condition : 3m Vertical  
Temp.(C)/Hum.(%): 24.8(C)/54.3(%)  
Press : 99.9kpa  
Product : Typhur Sync One Wireless Thermometer  
Model No. : WT01  
Power Rating : AC 120V/60Hz  
Test Engineer : Fire  
Test Mode : BLE\_2480  
Remark :

	Freq	Level	Read Level	Ant Factor	Cable Loss	Aux Factor	Preamp Factor	Limit Line	Over Limit	Remark
	MHz	dBuV/m	dBuV	dB/m	dB	dB	dB	dBuV/m	dB	
1	PP 2483.500	37.31	35.56	31.68	7.47	10.00	47.40	54.00	-16.69	Average
2	PK 2483.500	50.06	48.31	31.68	7.47	10.00	47.40	74.00	-23.94	Peak



Shenzhen UnionTrust Quality and Technology Co., Ltd.

File: \\192.168.2.5\文件共享\EMC\25. 测试数据\24073012955\_WT01\_FCCIRSEIEDR+BLEIBEle3\_00007.EMI



Date: 2024-08-16

Trace: 1

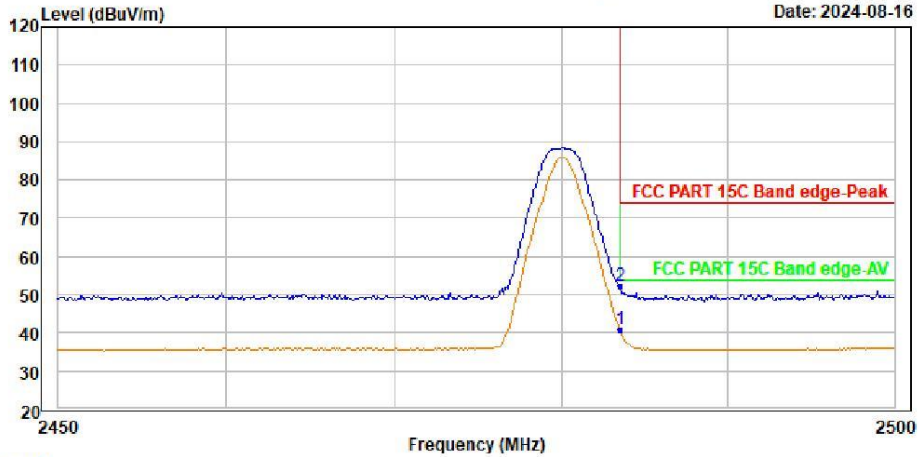
Condition : 3m Horizontal  
Temp.(C)/Hum.(%): 24.8(C)/54.3(%)  
Press : 99.9kpa  
Product : Typhur Sync One Wireless Thermometer  
Model No. : WT01  
Power Rating : AC 120V/60Hz  
Test Engineer : Fire  
Test Mode : BLE\_2480  
Remark :

	Freq	Level	Read Level	Ant Factor	Cable Loss	Aux Factor	Preamp Factor	Limit Line	Over Limit	Remark
	MHz	dBuV/m	dBuV	dB/m	dB	dB	dB	dBuV/m	dB	
1	PP 2483.500	39.43	37.68	31.68	7.47	10.00	47.40	54.00	-14.57	Average
2	PK 2483.500	50.98	49.23	31.68	7.47	10.00	47.40	74.00	-23.02	Peak



Shenzhen UnionTrust Quality and Technology Co., Ltd.

File: \\192.168.2.5\文件共享\EMC\25. 测试数据\24073012955\_WT01\_FCCIRSEIEDR+BLEIBEle3\_00009.EMI



Date: 2024-08-16

Trace: 1

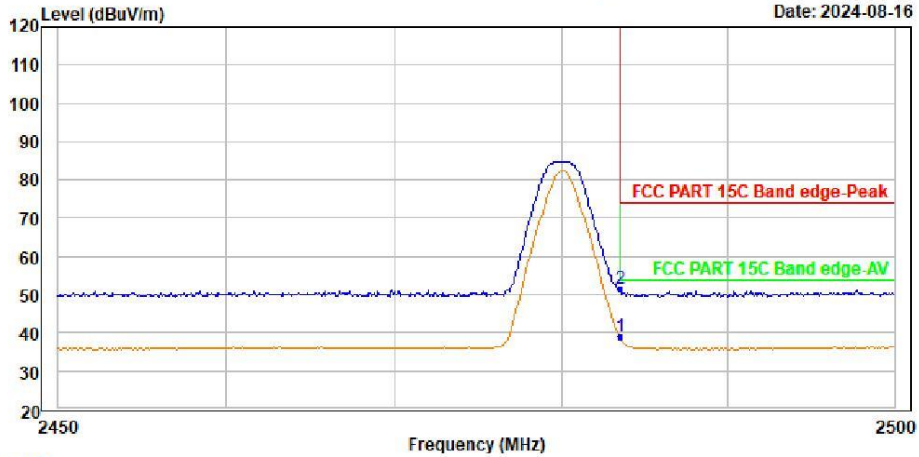
Condition : 3m Horizontal  
Temp.(C)/Hum.(%): 24.8(C)/54.3(%)  
Press : 99.9kpa  
Product : Typhur Sync One Wireless Thermometer  
Model No. : WT01  
Power Rating : AC 120V/60Hz  
Test Engineer : Fire  
Test Mode : 2LE\_2480  
Remark :

	Freq	Level	Read Level	Ant Factor	Cable Loss	Aux Factor	Preamp Factor	Limit Line	Over Limit	Remark
	MHz	dBuV/m	dBuV	dB/m	dB	dB	dB	dBuV/m	dB	
1	PP 2483.500	41.03	39.28	31.68	7.47	10.00	47.40	54.00	-12.97	Average
2	PK 2483.500	52.13	50.38	31.68	7.47	10.00	47.40	74.00	-21.87	Peak



Shenzhen UnionTrust Quality and Technology Co., Ltd.

File: \\192.168.2.5\文件共享\EMC\25. 测试数据\24073012955\_WT01\_FCCIRSEIEDR+BLEIBE3\_00011.EMI



Trace: 1

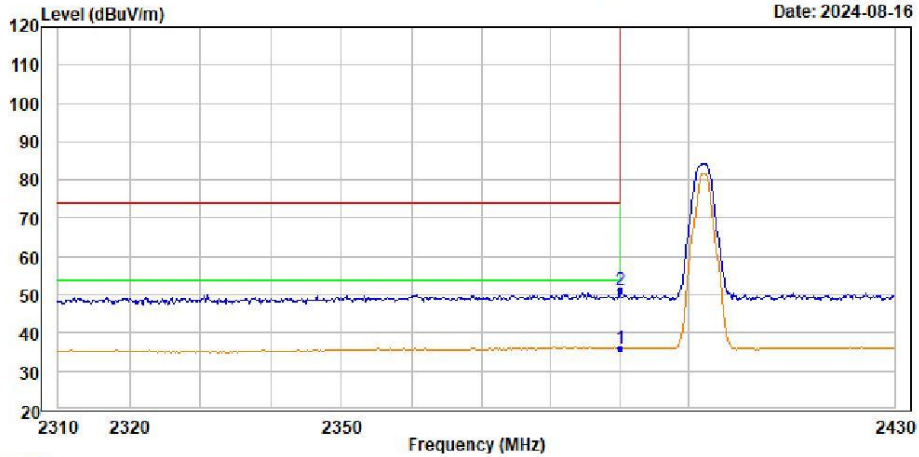
Condition : 3m Vertical  
Temp.(C)/Hum.(%): 24.8(C)/54.3(%)  
Press : 99.9kpa  
Product : Typhur Sync One Wireless Thermometer  
Model No. : WT01  
Power Rating : AC 120V/60Hz  
Test Engineer : Fire  
Test Mode : 2LE\_2480  
Remark :

	Freq	Level	Read Level	Ant Factor	Cable Loss	Aux Factor	Preamp Factor	Limit Line	Over Limit	Remark
	MHz	dBuV/m	dBuV	dB/m	dB	dB	dB	dBuV/m	dB	
1	PP 2483.500	38.95	37.20	31.68	7.47	10.00	47.40	54.00	-15.05	Average
2	PK 2483.500	51.54	49.79	31.68	7.47	10.00	47.40	74.00	-22.46	Peak



Shenzhen UnionTrust Quality and Technology Co., Ltd.

File: \\192.168.2.5\文件共享\EMC\25. 测试数据\24073012955\_WT01\_FCCIRSEIEDR+BLEIBE3\_00013.EMI



Trace: 1  
 Condition : 3m Vertical  
 Temp.(C)/Hum.(%): 24.8(C)/54.3(%)  
 Press : 99.9kpa  
 Product : Typhur Sync One Wireless Thermometer  
 Model No. : WT01  
 Power Rating : AC 120V/60Hz  
 Test Engineer : Fire  
 Test Mode : 2LE\_2402  
 Remark :

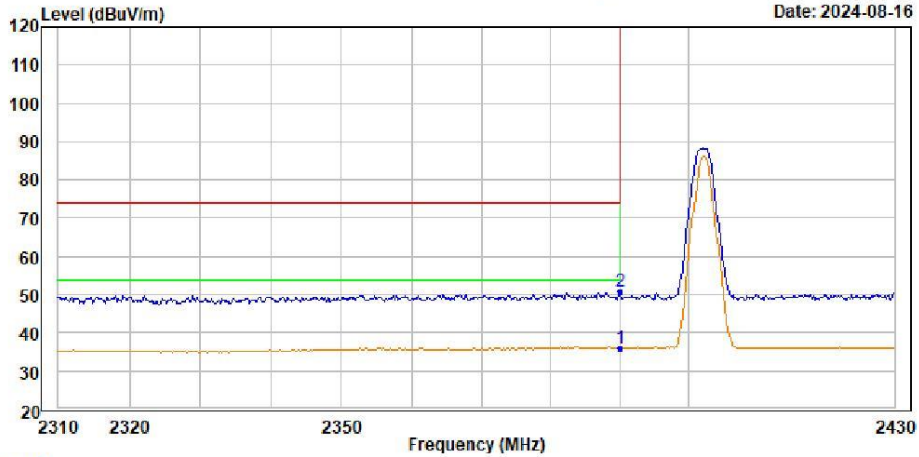
	Freq	Level	Read Level	Ant Factor	Cable Loss	Aux Factor	Preamp Factor	Limit Line	Over Limit	Remark
	MHz	dBuV/m	dBuV	dB/m	dB	dB	dB	dBuV/m	dB	
1 PP	2390.000	36.08	34.58	31.55	7.35	10.00	47.40	54.00	-17.92	Average
2 PK	2390.000	51.01	49.51	31.55	7.35	10.00	47.40	74.00	-22.99	Peak





Shenzhen UnionTrust Quality and Technology Co., Ltd.

File: \\192.168.2.5\文件共享\EMC\25. 测试数据\24073012955\_WT01\_FCCIRSEIEDR+BLEIBE3\_00015.EMI



Trace: 1

Condition : 3m Horizontal  
Temp.(C)/Hum.(%): 24.8(C)/54.3(%)  
Press : 99.9kpa  
Product : Typhur Sync One Wireless Thermometer  
Model No. : WT01  
Power Rating : AC 120V/60Hz  
Test Engineer : Fire  
Test Mode : 2LE\_2402  
Remark :

	Freq	Level	Read Level	Ant Factor	Cable Loss	Aux Factor	Preamp Factor	Limit Line	Over Limit	Remark
	MHz	dBuV/m	dBuV	dB/m	dB	dB	dB	dBuV/m	dB	
1 PP	2390.000	36.00	34.50	31.55	7.35	10.00	47.40	54.00	-18.00	Average
2 PK	2390.000	50.95	49.45	31.55	7.35	10.00	47.40	74.00	-23.05	Peak

### Appendix A.3: Test Results of Radiated Spurious Emissions, 2.4GHz Wi-Fi

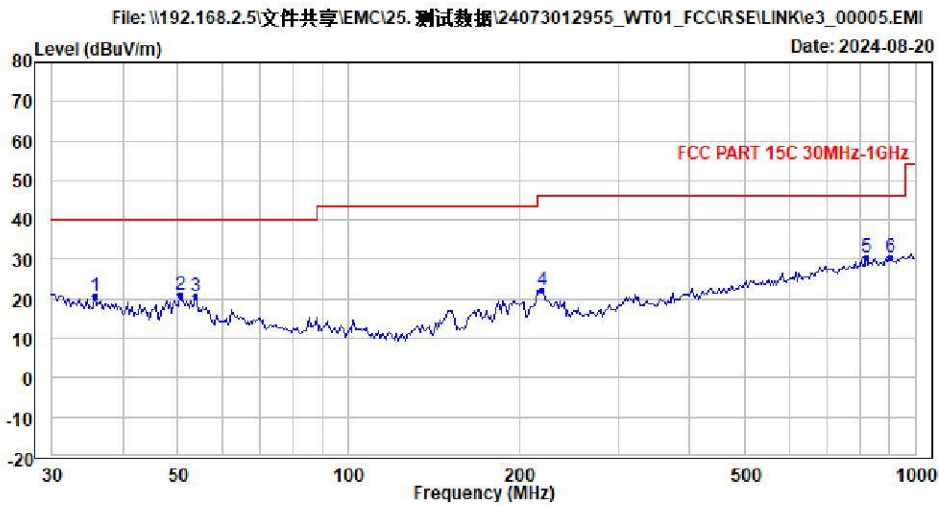
Note:

- 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



Shenzhen UnionTrust Quality and Technology Co., Ltd.

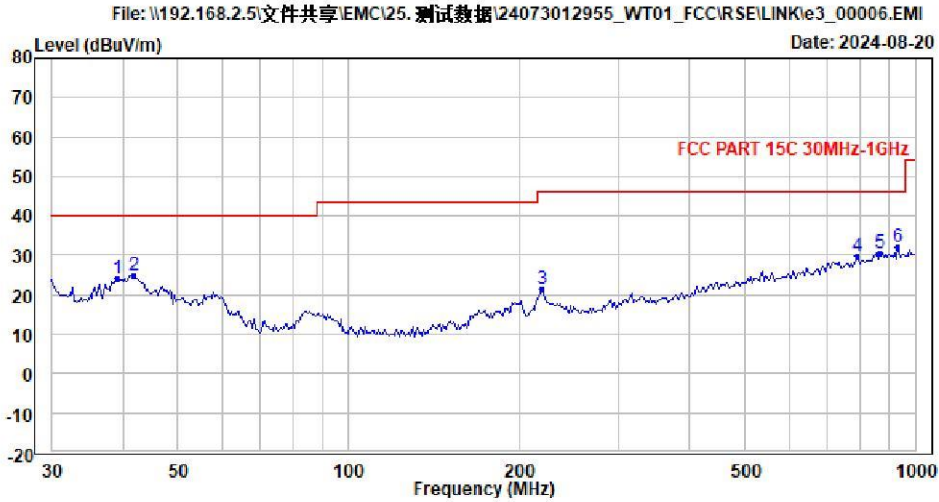


Condition : 3m Horizontal  
 Temp.(C)/Hum.(%) : 24.8(C)/54.3(%)  
 Press : 99.9kpa  
 Product : Typhur Sync One Wireless Thermometer  
 Model No. : WT01  
 Power Rating : AC 120V/60Hz  
 Test Engineer : Fire  
 Test Mode : 2.4G\_LINK  
 Remark :

	Freq	Level	Read Level	Ant Factor	Cable Loss	Aux Factor	Preamp Factor	Limit Line	Over Limit	Remark
	MHz	dBuV/m	dBuV	dB/m	dB	dB	dB	dBuV/m	dB	
1	35.762	20.73	27.46	21.40	0.77	0.00	28.90	40.00	-19.27	Peak
2	50.461	20.94	34.69	14.36	0.79	0.00	28.90	40.00	-19.06	Peak
3	53.756	20.67	36.24	12.52	0.81	0.00	28.90	40.00	-19.33	Peak
4	219.179	22.17	33.04	16.68	1.47	0.00	29.02	46.00	-23.83	Peak
5	PP 821.387	30.63	27.02	30.17	2.61	0.00	29.17	46.00	-15.37	Peak
6	906.304	30.46	25.52	31.17	2.81	0.00	29.04	46.00	-15.54	Peak



Shenzhen UnionTrust Quality and Technology Co., Ltd.



Condition : 3m Vertical  
Temp.(C)/Hum.(%) : 24.8(C)/54.3(%)  
Press : 99.9kpa  
Product : Typhur Sync One Wireless Thermometer  
Model No. : WT01  
Power Rating : AC 120V/60Hz  
Test Engineer : Fire  
Test Mode : 2.4G\_LINK  
Remark :

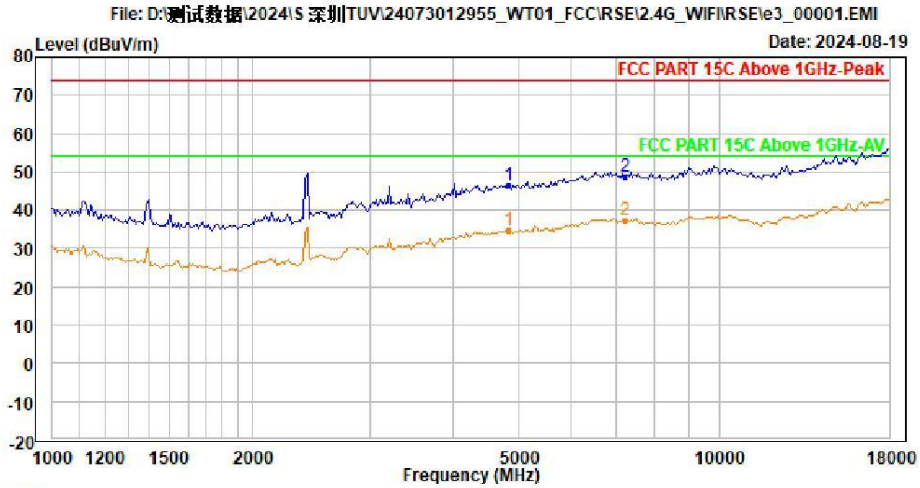
	Freq	Level	Read Level	Ant Factor	Cable Loss	Aux Factor	Preamp Factor	Limit Line	Over Limit	Remark
	MHz	dBuV/m	dBuV	dB/m	dB	dB	dB	dBuV/m	dB	
1	39.182	24.19	32.31	19.92	0.86	0.00	28.90	40.00	-15.81	Peak
2	41.741	24.92	34.31	18.65	0.86	0.00	28.90	40.00	-15.08	Peak
3	219.179	21.45	32.32	16.68	1.47	0.00	29.02	46.00	-24.55	Peak
4	793.028	29.86	27.01	29.50	2.56	0.00	29.21	46.00	-16.14	Peak
5	868.886	30.76	26.55	30.60	2.71	0.00	29.10	46.00	-15.24	Peak
6 PP	932.141	32.27	27.45	30.90	2.92	0.00	29.00	46.00	-13.73	Peak

1GHz - 18GHz

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



Shenzhen UnionTrust Quality and Technology Co., Ltd.

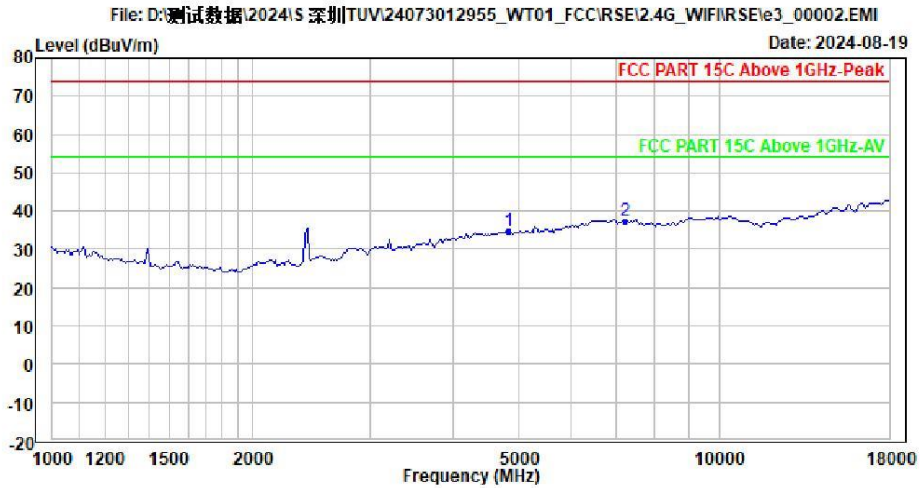


Trace: 1  
 Condition : 3m Horizontal  
 Temp.(C)/Hum.(%): 24.8(C)/54.3(%)  
 Press : 99.9kpa  
 Product : Typhur Sync One Wireless Thermometer  
 Model No. : WT01  
 Power Rating : AC 120V/60Hz  
 Test Engineer : Fire  
 Test Mode : 2.4G\_B\_2412  
 Remark :

	Freq	Level	Read Level	Ant Factor	Aux Factor	Cable Loss	Preamp Factor	Limit Line	Over Limit	Remark
	MHz	dBuV/m	dBuV	dB/m	dB	dB	dB	dBuV/m	dB	
1	4824.000	46.42	48.49	34.46	0.00	9.33	45.86	74.00	-27.58	Peak
2 PP	7236.000	48.93	47.63	36.50	0.00	10.35	45.55	74.00	-25.07	Peak



Shenzhen UnionTrust Quality and Technology Co., Ltd.

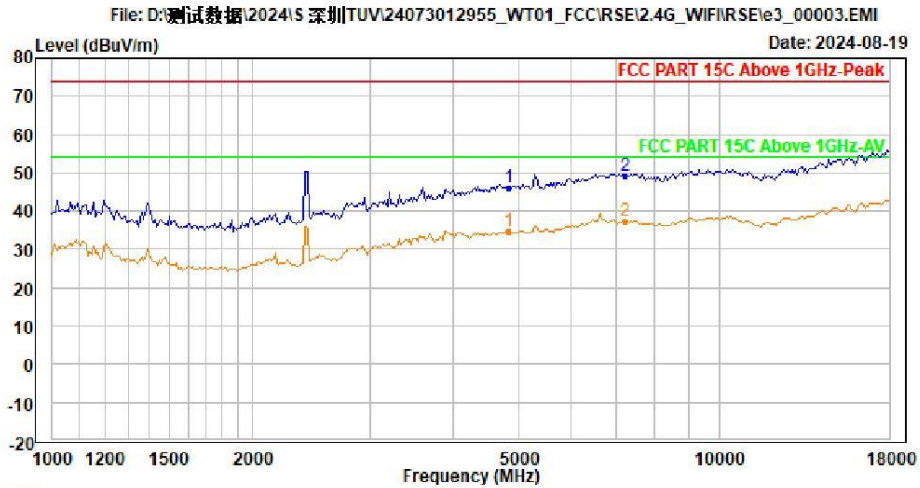


Condition : 3m Horizontal  
Temp.(C)/Hum.(%): 24.8(C)/54.3(%)  
Press : 99.9kpa  
Product : Typhur Sync One Wireless Thermometer  
Model No. : WT01  
Power Rating : AC 120V/60Hz  
Test Engineer : Fire  
Test Mode : 2.4G\_B\_2412  
Remark :

	Freq	Level	Read Level	Ant Factor	Aux Factor	Cable Loss	Preamp Factor	Limit Line	Over Limit	Remark
	MHz	dBuV/m	dBuV	dB/m	dB	dB	dB	dBuV/m	dB	
1	4824.000	34.63	36.70	34.46	0.00	9.33	45.86	54.00	-19.37	Average
2	7236.000	37.38	36.08	36.50	0.00	10.35	45.55	54.00	-16.62	Average



Shenzhen UnionTrust Quality and Technology Co., Ltd.



Trace: 1  
 Condition : 3m Vertical  
 Temp.(C)/Hum.(%): 24.8(C)/54.3(%)  
 Press : 99.9kpa  
 Product : Typhur Sync One Wireless Thermometer  
 Model No. : WT01  
 Power Rating : AC 120V/60Hz  
 Test Engineer : Fire  
 Test Mode : 2.4G\_B\_2412  
 Remark :

	Freq	Level	Read Level	Ant Factor	Aux Factor	Cable Loss	Preamp Factor	Limit Line	Over Limit	Remark
	MHz	dBuV/m	dBuV	dB/m	dB	dB	dB	dBuV/m	dB	
1	4824.000	46.33	48.40	34.46	0.00	9.33	45.86	74.00	-27.67	Peak
2 PP	7236.000	49.39	48.09	36.50	0.00	10.35	45.55	74.00	-24.61	Peak