

Appendix C

Test Results of Bluetooth 4.1 (Dual mode) of Conducted and Radiated Emission Testing

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Note: The measurements with active loop antenna were greater than 20dB below the limit, so Radiated Spurious Emissions (9kHz – 30MHz) tests were applied on BDR mode only.

Appendix C.1: Test Plots of Radiated Spurious Emission

BDR mode, 9KHz - 30MHz

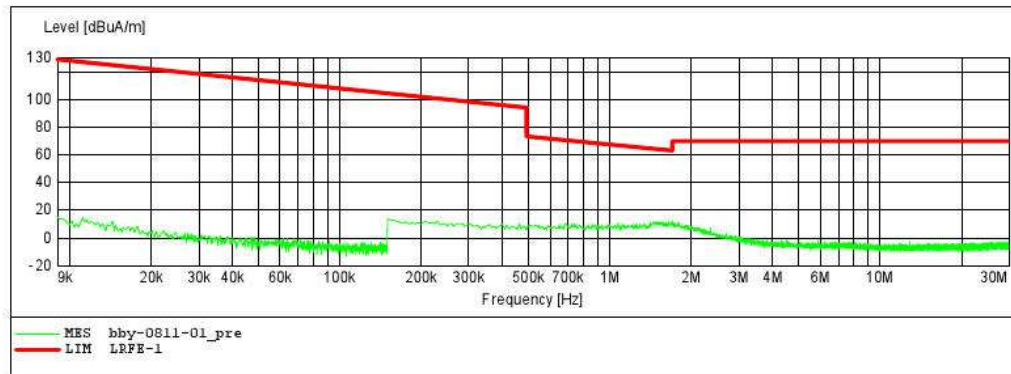
ACCURATE TECHNOLOGY CO., LTD

FCC Class B 3M Radiated

EUT: ContextMedia Health M/N: P-WAL-106-ELC-01
Manufacturer: ContextMedia LLC
Operating Condition: TX 2402MHz (Bluetooth)
Test Site: 2# Chamber
Operator: PEI
Test Specification: AC 120V/60Hz
Comment: X
Start of Test: 2016-8-11 /

SCAN TABLE: "LFRE Fin"

Short Description:			_SUB STD VTERM2 1.70			
Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M



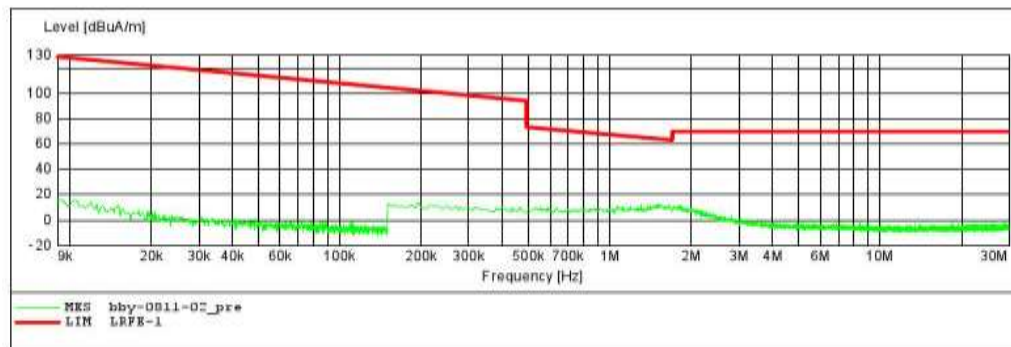
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FCC Class B 3M Radiated

EUT: ContextMedia Health M/N: P-WAL-106-ELC-01
 Manufacturer: ContextMedia LLC
 Operating Condition: TX 2402MHz (Bluetooth)
 Test Site: 2# Chamber
 Operator: PEI
 Test Specification: AC 120V/60Hz
 Comment: Y
 Start of Test: 2016-8-11 /

SCAN TABLE: "LFRE Fin"

Start	Stop	Step	_SUB STD VTERM	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	1.70	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz		QuasiPeak	1.0 s	9 kHz	1516M



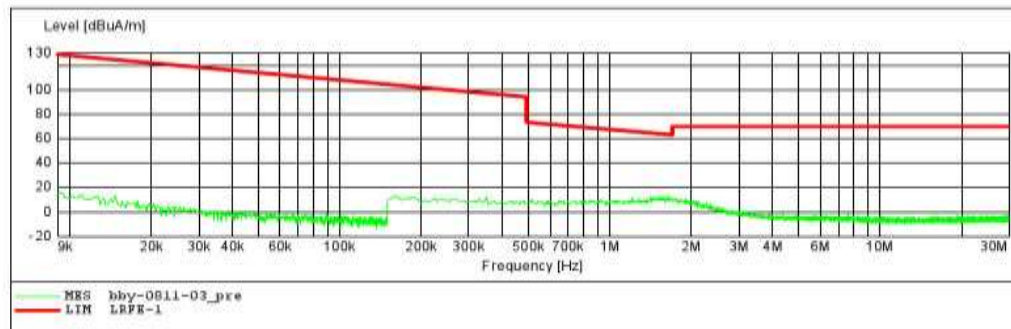
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FCC Class B 3M Radiated

EUT: ContextMedia Health M/N: P-WAL-106-ELC-01
 Manufacturer: ContextMedia LLC
 Operating Condition: TX 2402MHz (Bluetooth)
 Test Site: 2# Chamber
 Operator: PEI
 Test Specification: AC 120V/60Hz
 Comment: Z
 Start of Test: 2016-8-11 /

SCAN TABLE: "LFRE Fin"

Start	Stop	Step	_SUB STD VTERM	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	1.70	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz		QuasiPeak	1.0 s	9 kHz	1516M



BDR mode, 30MHz - 1GHz



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Site: 2# Chamber

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Fax: +86-0755-26503396

Job No.: phy #2376

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: ContextMedia Health

Mode: TX 2402MHz

Model: P-WAL-106-ELC-01

Manufacturer: ContextMedia LLC

Polarization: Horizontal

Power Source: AC 120V/60Hz

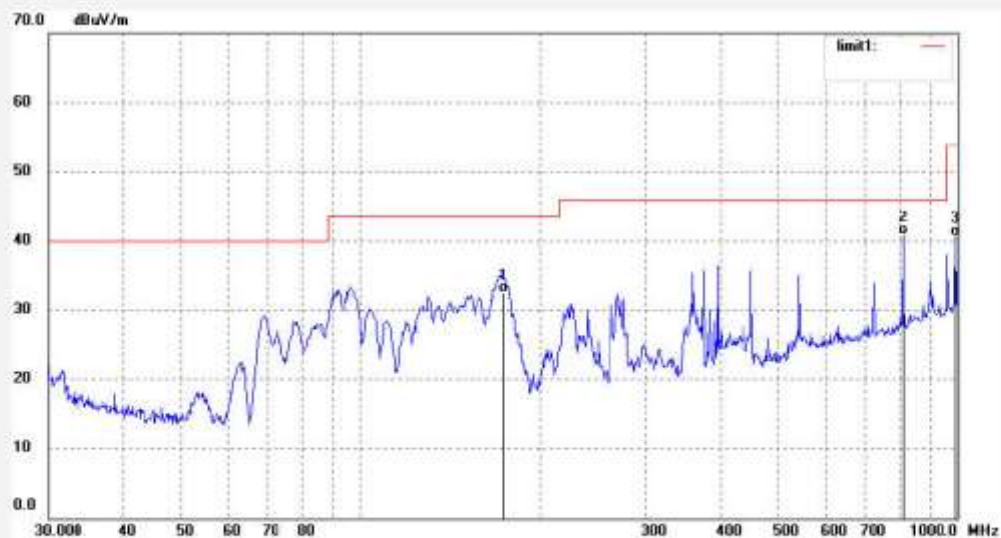
Date: 16/08/03/

Time:

Engineer Signature: PEI

Distance: 3m

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	173.2050	46.15	-13.65	32.50	43.50	-11.00	QP			
2	810.2653	40.64	0.19	40.83	46.00	-5.17	QP			
3	993.0113	38.04	2.73	40.77	54.00	-13.23	QP			



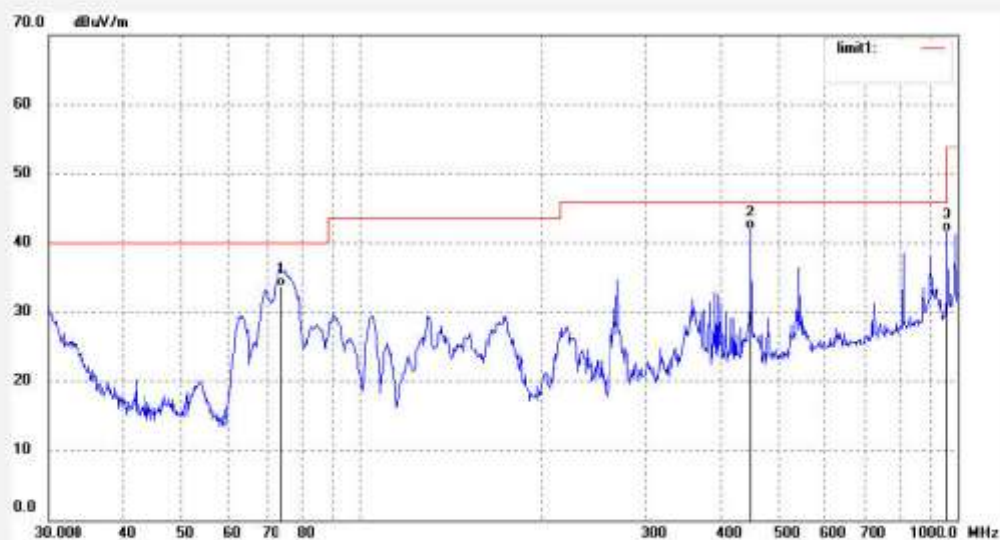
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Site: 2# Chamber
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Job No.: phy #2377	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 16/08/03/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: ContextMedia Health	Engineer Signature: PEI
Mode: TX 2402MHz	Distance: 3m
Model: P-WAL-106-ELC-01	
Manufacturer: ContextMedia LLC	

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	73.6170	50.24	-16.58	33.66	40.00	-6.34	QP			
2	451.1349	47.73	-5.77	41.96	46.00	-4.04	QP			
3	960.0000	39.21	2.37	41.58	46.00	-4.42	QP			



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Job No.: phy #2378

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: ContextMedia Health

Mode: TX 2441MHz

Model: P-WAL-106-ELC-01

Manufacturer: ContextMedia LLC

Polarization: Vertical

Power Source: AC 120V/60Hz

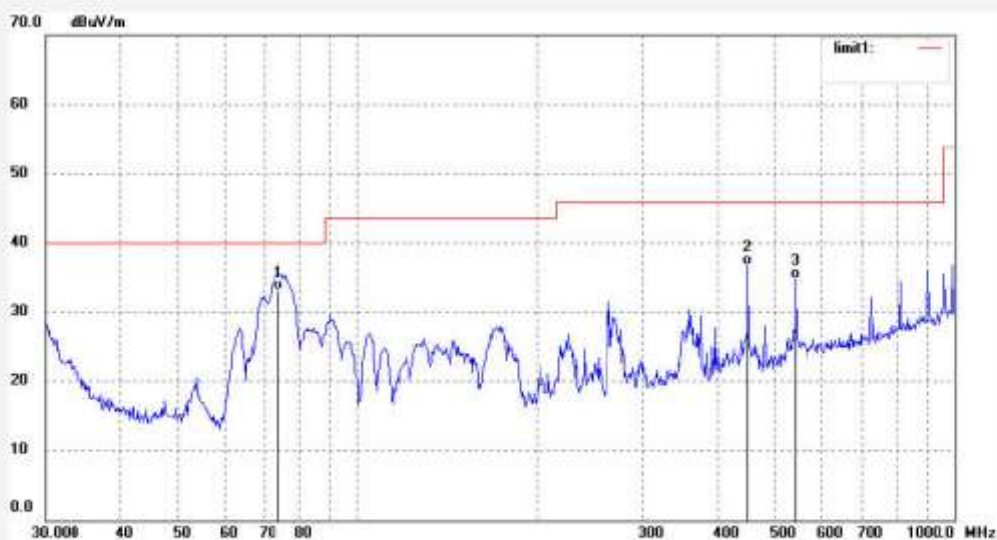
Date: 16/08/03/

Time:

Engineer Signature: PEI

Distance: 3m

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	73.6170	49.68	-16.58	33.10	40.00	-6.90	QP			
2	451.1349	42.58	-5.77	36.81	46.00	-9.19	QP			
3	541.3724	38.69	-3.84	34.85	46.00	-11.15	QP			



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Job No.: phy #2379

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: ContextMedia Health

Mode: TX 2441MHz

Model: P-WAL-106-ELC-01

Manufacturer: ContextMedia LLC

Polarization: Horizontal

Power Source: AC 120V/60Hz

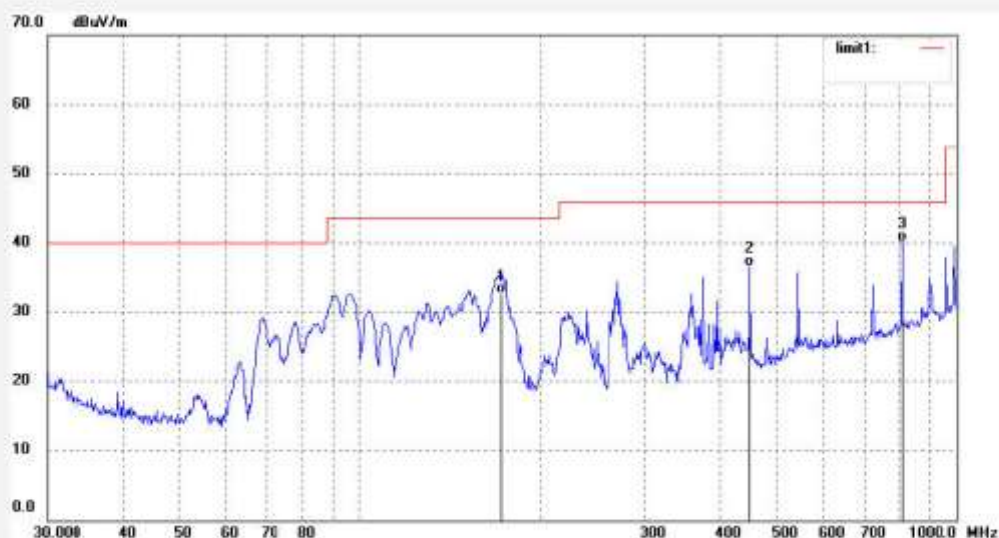
Date: 16/08/03/

Time:

Engineer Signature: PEI

Distance: 3m

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	172.5988	46.22	-13.65	32.57	43.50	-10.93	QP			
2	451.1349	42.35	-5.77	36.58	46.00	-9.42	QP			
3	810.2653	39.90	0.19	40.09	46.00	-5.91	QP			



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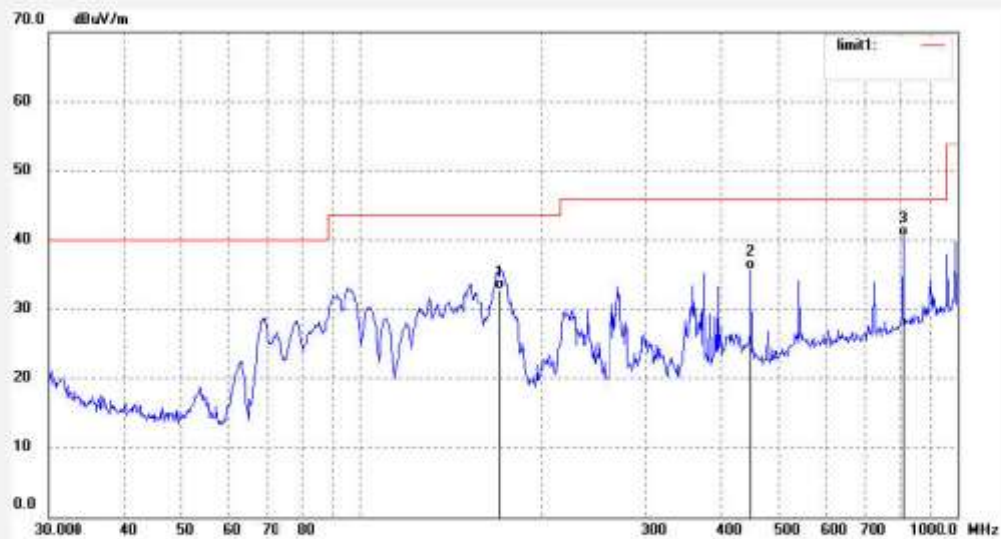
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Site: 2# Chamber
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Job No.: phy #2380
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: ContextMedia Health
Mode: TX 2480MHz
Model: P-WAL-106-ELC-01
Manufacturer: ContextMedia LLC

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 16/08/03/
Time:
Engineer Signature: PEI
Distance: 3m

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	171.3925	46.43	-13.67	32.76	43.50	-10.74	QP			
2	451.1349	41.50	-5.77	35.73	46.00	-10.27	QP			
3	810.2653	40.37	0.19	40.56	46.00	-5.44	QP			



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Job No.: phy #2381

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: ContextMedia Health

Mode: TX 2480MHz

Model: P-WAL-106-ELC-01

Manufacturer: ContextMedia LLC

Polarization: Vertical

Power Source: AC 120V/60Hz

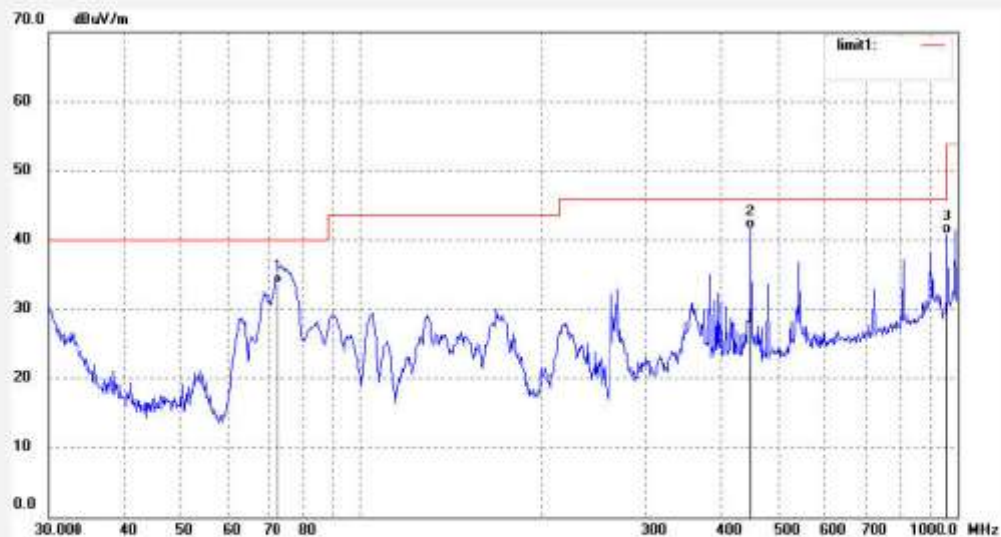
Date: 16/08/03/

Time:

Engineer Signature: PEI

Distance: 3m

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	72.5916	50.08	-16.44	33.64	40.00	-6.36	QP			
2	451.1349	47.33	-5.77	41.56	46.00	-4.44	QP			
3	960.0000	38.46	2.37	40.83	46.00	-5.17	QP			

BDR mode, 1GHz - 18GHz



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Job No.: phy #2222

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp. (C)/Hum. (%) 23 C / 48 %

EUT: ContextMedia Health

Mode: TX 2402MHz

Model: P-WAL-106-ELC-01

Manufacturer: ContextMedia LLC

Polarization: Vertical

Power Source: AC 120V/60Hz

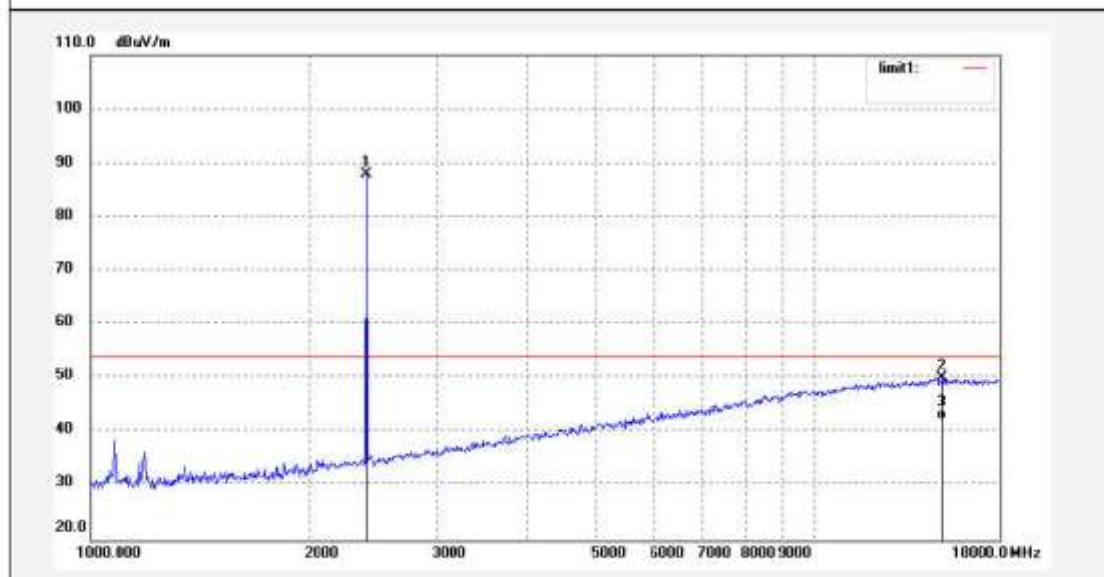
Date: 16/07/29/

Time:

Engineer Signature: PEI

Distance: 3m

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2402.000	95.28	-7.46	87.82	/	/	peak			
2	15003.422	8.97	41.09	50.06	74.00	-23.94	peak			
3	15003.422	1.26	41.09	42.35	54.00	-11.65	AVG			



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Job No.: phy #2223

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: ContextMedia Health

Mode: TX 2402MHz

Model: P-WAL-106-ELC-01

Manufacturer: ContextMedia LLC

Polarization: Horizontal

Power Source: AC 120V/60Hz

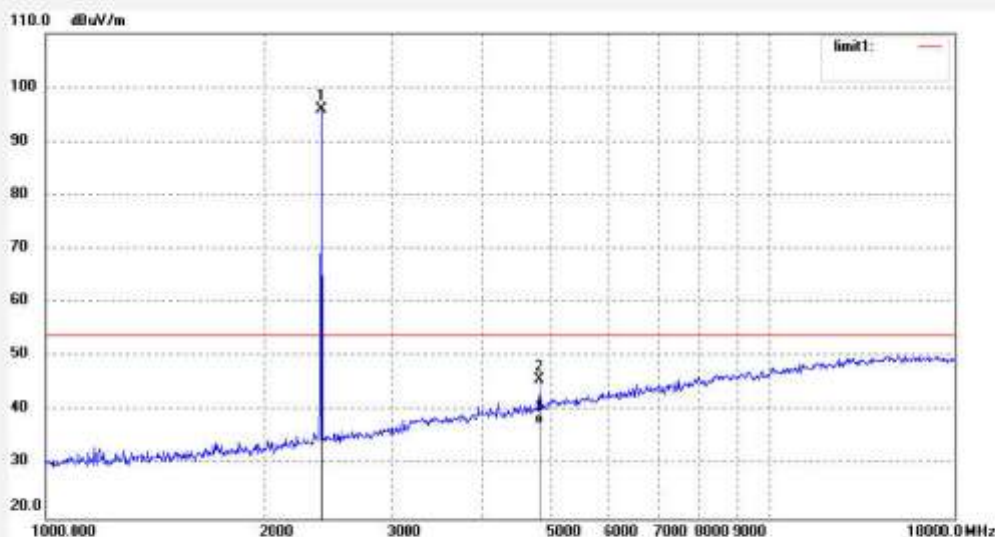
Date: 16/07/29/

Time:

Engineer Signature: PEI

Distance: 3m

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2402.000	103.34	-7.45	95.89	/	/	peak			
2	4804.027	46.11	-0.30	45.81	74.00	-28.19	peak			
3	4804.027	37.81	-0.30	37.51	54.00	-16.49	AVG			



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Job No.: phy #2226

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: ContextMedia Health

Mode: TX 2441MHz

Model: P-WAL-106-ELC-01

Manufacturer: ContextMedia LLC

Polarization: Vertical

Power Source: AC 120V/60Hz

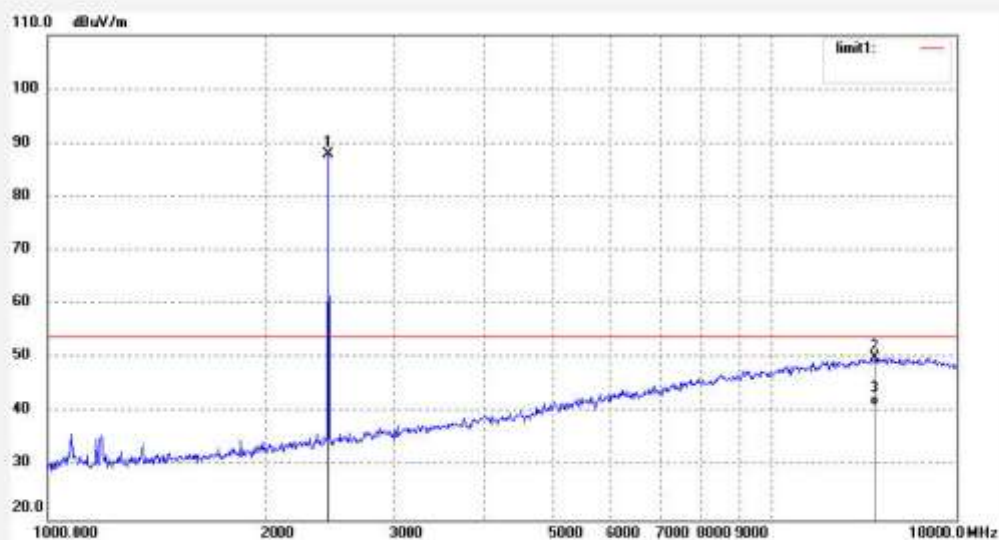
Date: 16/07/29/

Time:

Engineer Signature: PEI

Distance: 3m

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2441.000	95.24	-7.35	87.89	/	/	peak			
2	13877.076	9.77	40.20	49.97	74.00	-24.03	peak			
3	13877.076	1.15	40.20	41.35	54.00	-12.65	AVG			



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Job No.: phy #2227

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: ContextMedia Health

Mode: TX 2441MHz

Model: P-WAL-106-ELC-01

Manufacturer: ContextMedia LLC

Polarization: Horizontal

Power Source: AC 120V/60Hz

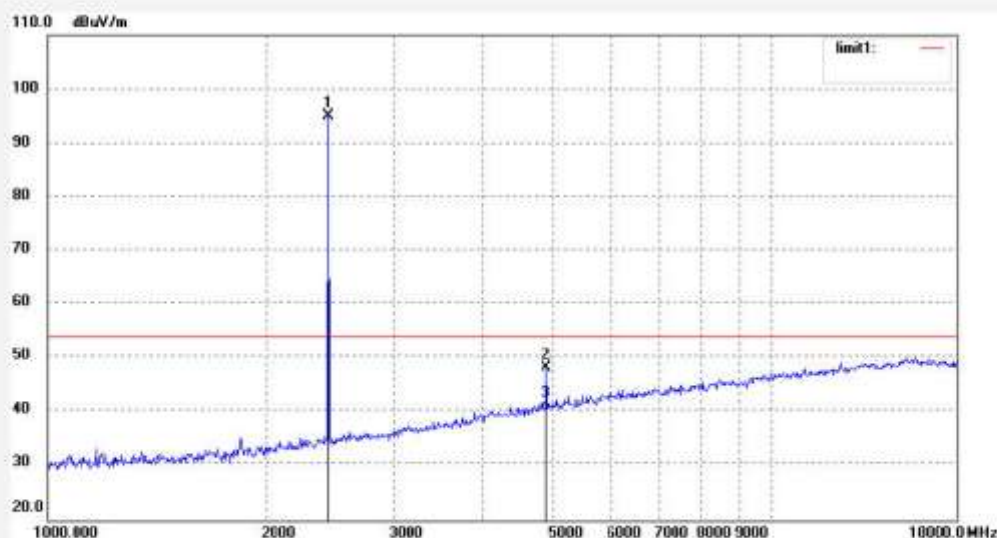
Date: 16/07/29/

Time:

Engineer Signature: PEI

Distance: 3m

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2441.000	102.29	-7.35	94.94	/	/	peak			
2	4882.028	48.04	0.14	48.18	74.00	-25.82	peak			
3	4882.028	40.18	0.14	40.32	54.00	-13.68	AVG			



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Job No.: phy #2228

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: ContextMedia Health

Mode: TX 2480MHz

Model: P-WAL-106-ELC-01

Manufacturer: ContextMedia LLC

Polarization: Horizontal

Power Source: AC 120V/60Hz

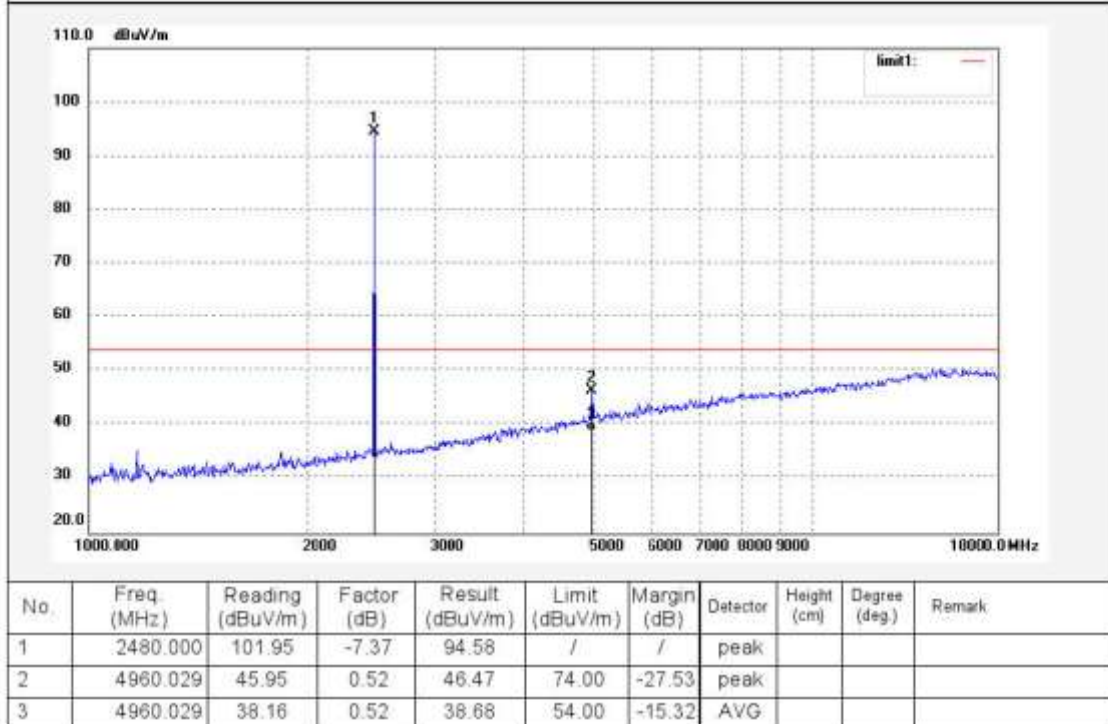
Date: 16/07/29/

Time:

Engineer Signature: PEI

Distance: 3m

Note: Bluetooth





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Site: 2# Chamber

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Job No.: phy #2229

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: ContextMedia Health

Mode: TX 2480MHz

Model: P-WAL-106-ELC-01

Manufacturer: ContextMedia LLC

Polarization: Vertical

Power Source: AC 120V/60Hz

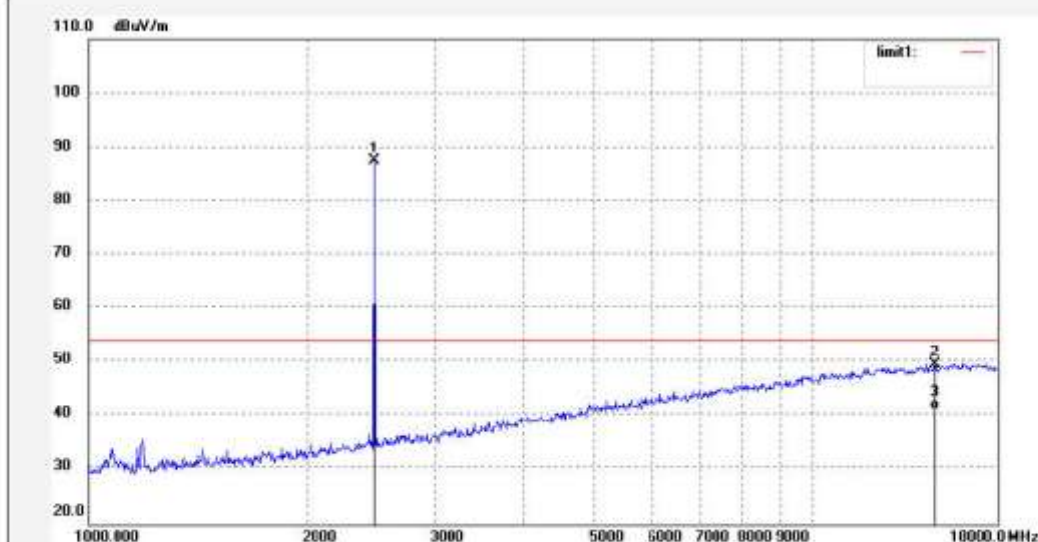
Date: 16/07/29/

Time:

Engineer Signature: PEI

Distance: 3m

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2480.000	94.87	-7.37	87.50	/	/	peak			
2	14745.473	7.81	41.86	49.67	74.00	-24.33	peak			
3	14745.473	-0.51	41.86	41.35	54.00	-12.65	AVG			

BDR mode, 18GHz - 26.5GHz



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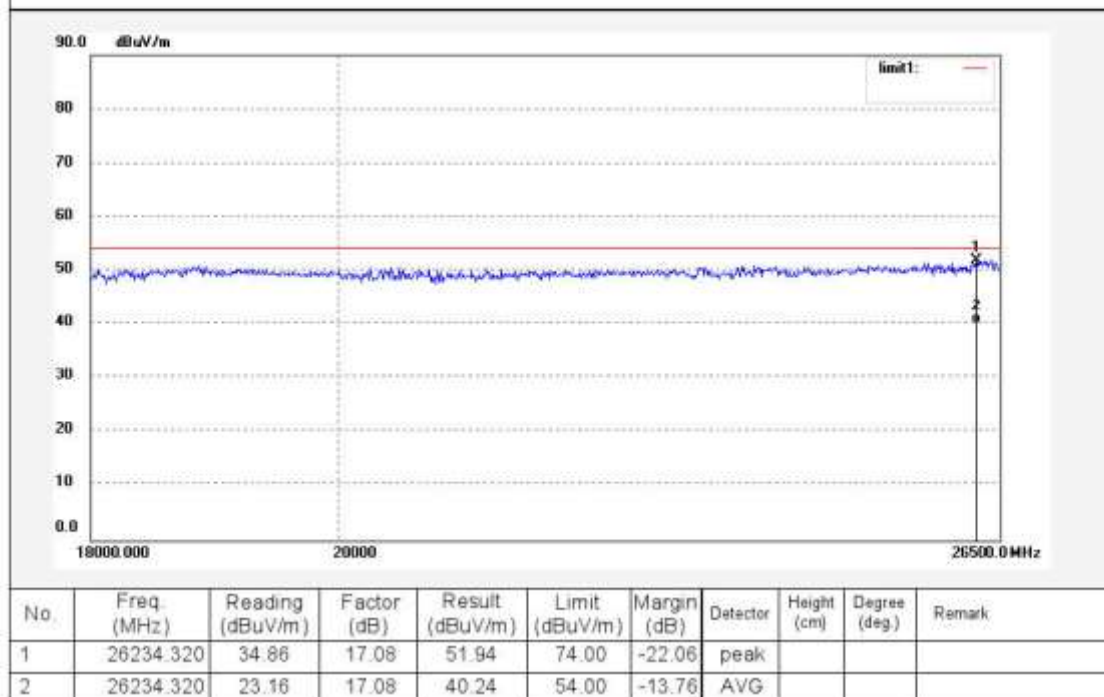
Site: 2# Chamber

Tel: +86-0755-26503290

Fax: +86-0755-26503396

Job No.: BBY #1	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2016/08/12
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: ContextMedia Health	Engineer Signature: PEI
Mode: TX 2402MHz	Distance: 3m
Model: P-WAL-106-ELC-01	
Manufacturer: ContextMedia LLC	

Note: Bluetooth





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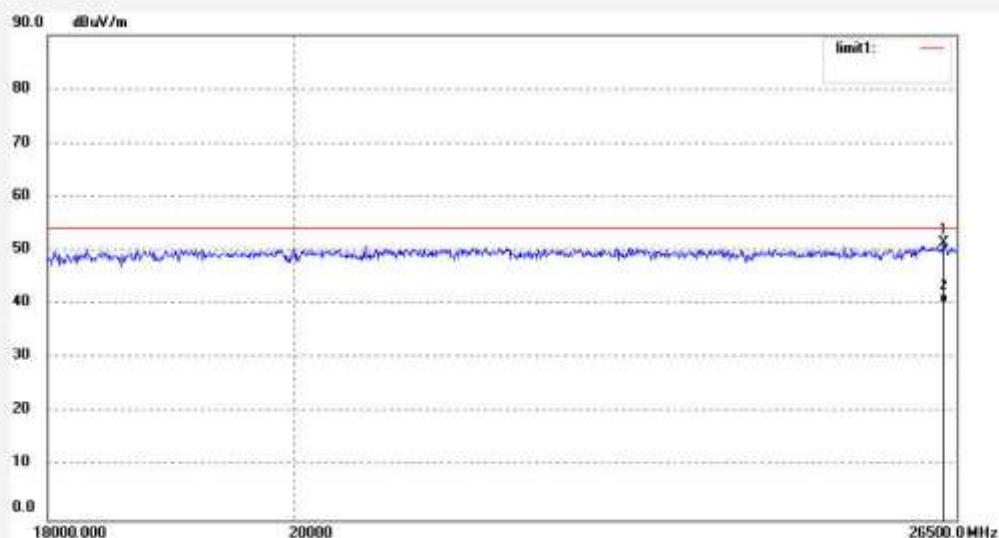
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Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: BBY #2
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: ContextMedia Health
Mode: TX 2402MHz
Model: P-WAL-106-ELC-01
Manufacturer: ContextMedia LLC

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 2016/08/12
Time:
Engineer Signature: PEI
Distance: 3m

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	26356.609	34.93	16.50	51.43	74.00	-22.57	peak			
2	26356.609	23.58	16.50	40.08	54.00	-13.92	AVG			

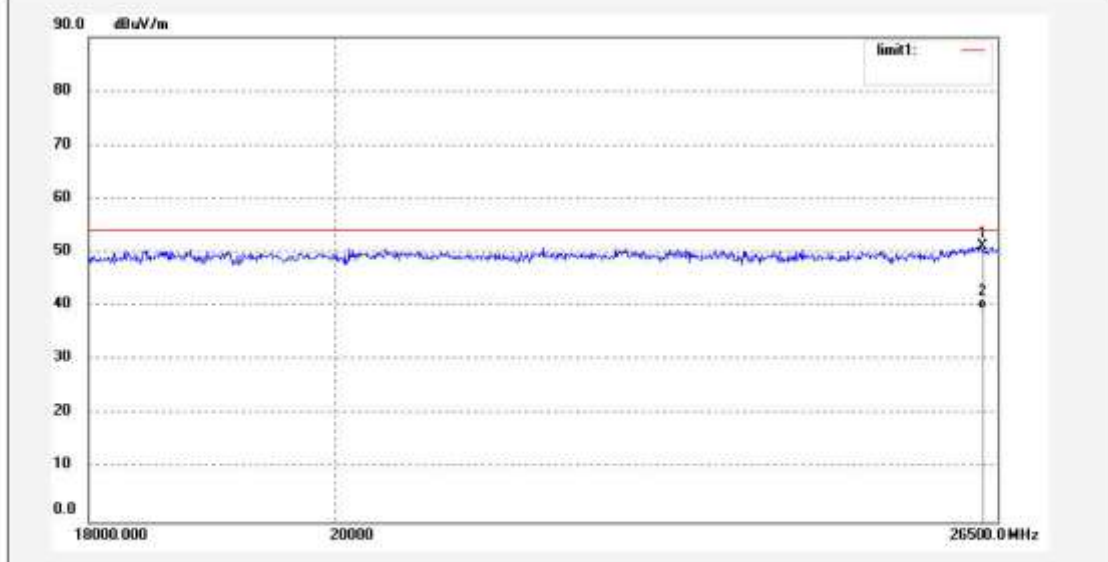


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Site: 2# Chamber
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Job No.: BBY-#3	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2016/08/12
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: ContextMedia Health	Engineer Signature: PEI
Mode: TX 2441MHz	Distance: 3m
Model: P-WAL-106-ELC-01	
Manufacturer: ContextMedia LLC	
Note: Bluetooth	



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	26336.188	34.58	16.50	51.08	74.00	-22.92	peak			
2	26336.188	22.96	16.50	39.46	54.00	-14.54	AVG			



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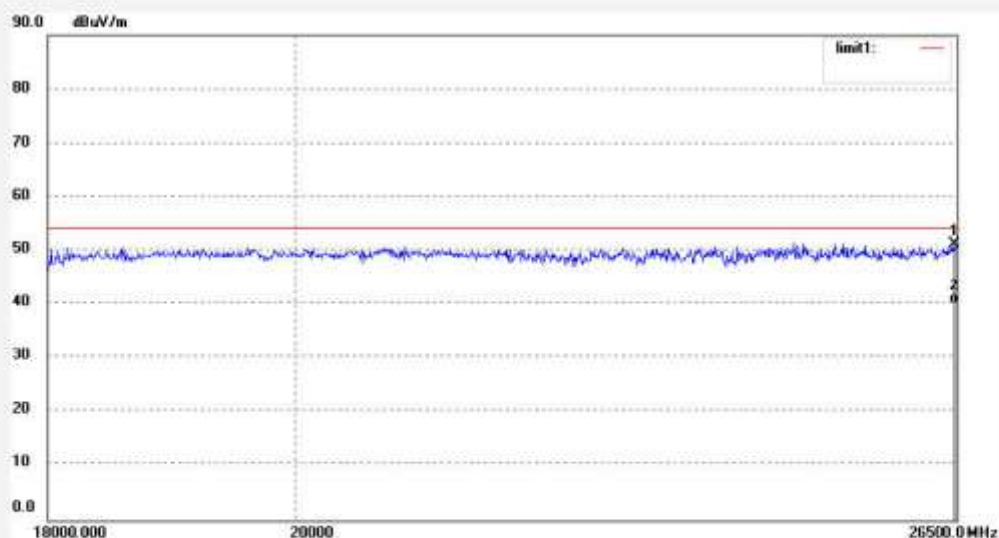
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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: BBY #4
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: ContextMedia Health
Mode: TX 2441MHz
Model: P-WAL-106-ELC-01
Manufacturer: ContextMedia LLC

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 2016/08/12
Time:
Engineer Signature: PEI
Distance: 3m

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	26479.468	34.17	16.91	51.08	74.00	-22.92	peak			
2	26479.468	23.24	16.91	40.15	54.00	-13.85	AVG			

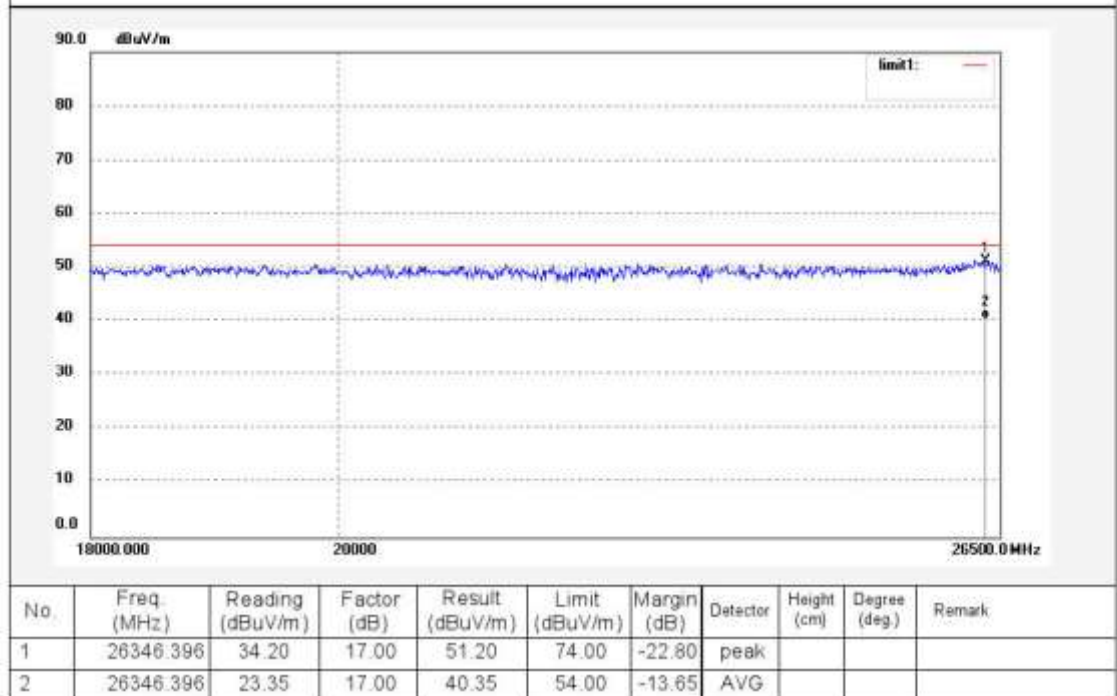


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Site: 2# Chamber
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Job No.: BBY #5	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2016/08/12
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: ContextMedia Health	Engineer Signature: PEI
Mode: TX 2480MHz	Distance: 3m
Model: P-WAL-106-ELC-01	
Manufacturer: ContextMedia LLC	
Note: Bluetooth	





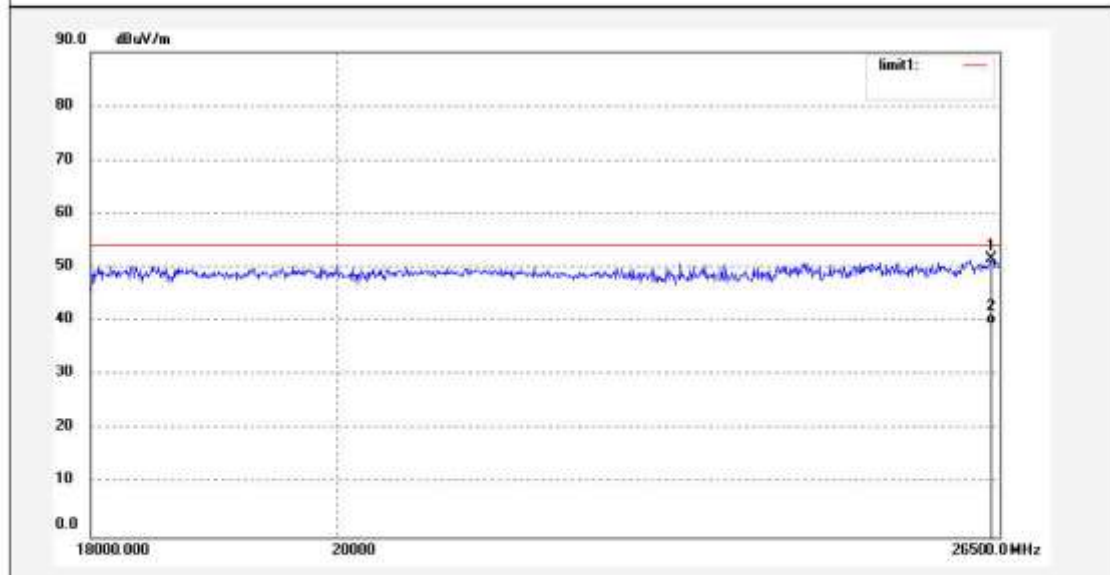
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Site: 2# Chamber
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Fax: +86-0755-26503396

Job No.: BBY #6	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2016/08/12
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: ContextMedia Health	Engineer Signature: PEI
Mode: TX 2480MHz	Distance: 3m
Model: P-WAL-106-ELC-01	
Manufacturer: ContextMedia LLC	

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	26407.731	35.06	16.50	51.56	74.00	-22.44	peak			
2	26407.731	23.08	16.50	39.58	54.00	-14.42	AVG			

Low Energy mode, 9KHz - 30MHz

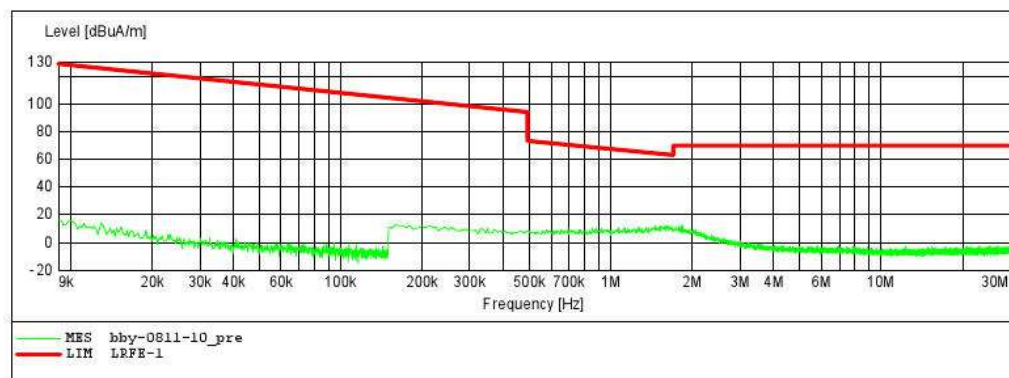
ACCURATE TECHNOLOGY CO., LTD

FCC Class B 3M Radiated

EUT: ContextMedia Health M/N: P-WAL-106-ELC-01
 Manufacturer: ContextMedia LLC
 Operating Condition: TX 2402MHz (Bluetooth 4.0)
 Test Site: 2# Chamber
 Operator: PEI
 Test Specification: AC 120V/60Hz
 Comment: X
 Start of Test: 2016-8-11 /

SCAN TABLE: "LFRE Fin"

Short Description:			SUB	STD	VTERM2	1.70		
Start	Stop	Step	Detector	Meas.	IF	Transducer		
Frequency	Frequency	Width		Time	Bandw.			
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M		
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M		



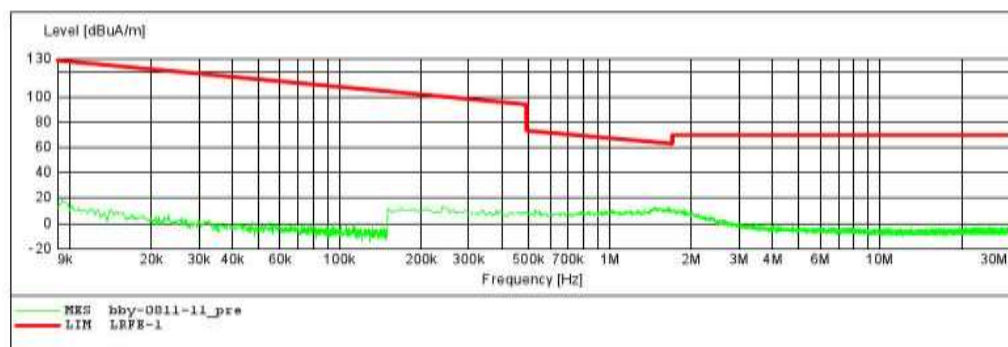
ACCURATE TECHNOLOGY CO., LTD

FCC Class B 3M Radiated

EUT: ContextMedia Health M/N:P-WAL-106-ELC-01
 Manufacturer: ContextMedia LLC
 Operating Condition: TX 2402MHz (Bluetooth 4.0)
 Test Site: 2# Chamber
 Operator: PEI
 Test Specification: AC 120V/60Hz
 Comment: Y
 Start of Test: 2016-8-11 /

SCAN TABLE: "LFRE Fin"

Short Description:				_SUB_STD_VTERM2 1.70			
Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer	
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M	
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M	



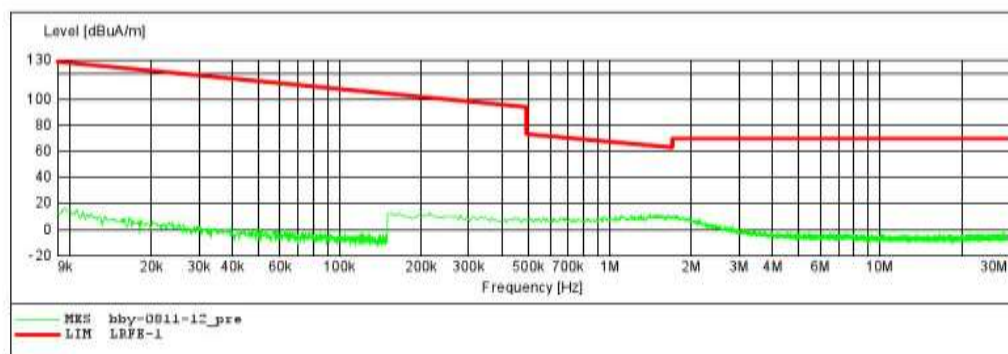
ACCURATE TECHNOLOGY CO., LTD

FCC Class B 3M Radiated

EUT: ContextMedia Health M/N:P-WAL-106-ELC-01
 Manufacturer: ContextMedia LLC
 Operating Condition: TX 2402MHz (Bluetooth 4.0)
 Test Site: 2# Chamber
 Operator: PEI
 Test Specification: AC 120V/60Hz
 Comment: Z
 Start of Test: 2016-8-11 /

SCAN TABLE: "LFRE Fin"

Short Description:				_SUB_STD_VTERM2 1.70			
Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer	
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M	
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M	



Low Energy mode, 30MHz - 1GHz



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Job No.: phy #2370

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: ContextMedia Health

Mode: TX 2402MHz

Model: P-WAL-106-ELC-01

Manufacturer: ContextMedia LLC

Polarization: Vertical

Power Source: AC 120V/60Hz

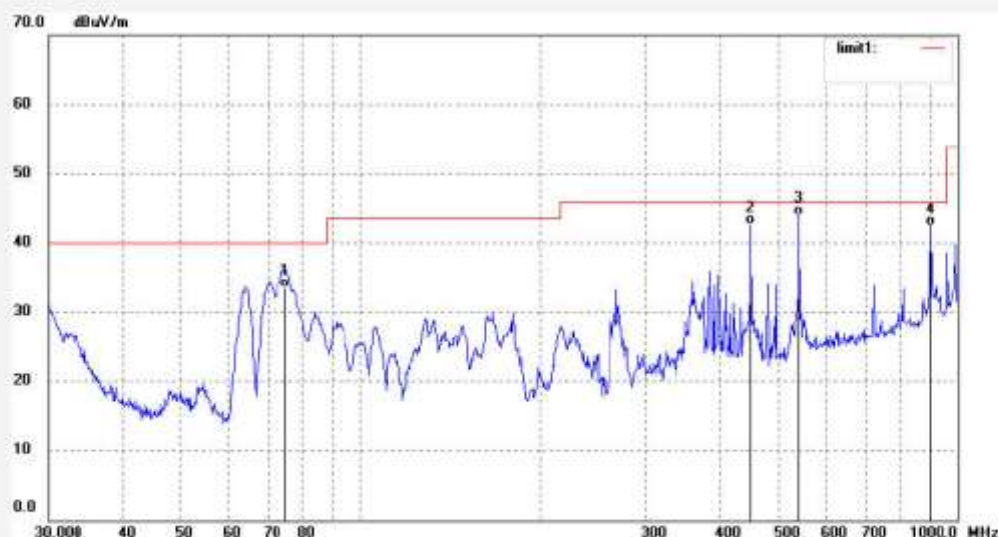
Date: 16/08/03/

Time:

Engineer Signature: PEI

Distance: 3m

Note: Bluetooth 4.0



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	74.9191	50.23	-16.75	33.48	40.00	-6.52	QP			
2	450.0318	48.44	-5.78	42.66	46.00	-3.34	QP			
3	540.0289	47.86	-3.87	43.99	46.00	-2.01	QP			
4	900.0812	41.24	1.28	42.52	46.00	-3.48	QP			



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Job No.: phy #2371

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: ContextMedia Health

Mode: TX 2402MHz

Model: P-WAL-106-ELC-01

Manufacturer: ContextMedia LLC

Polarization: Horizontal

Power Source: AC 120V/60Hz

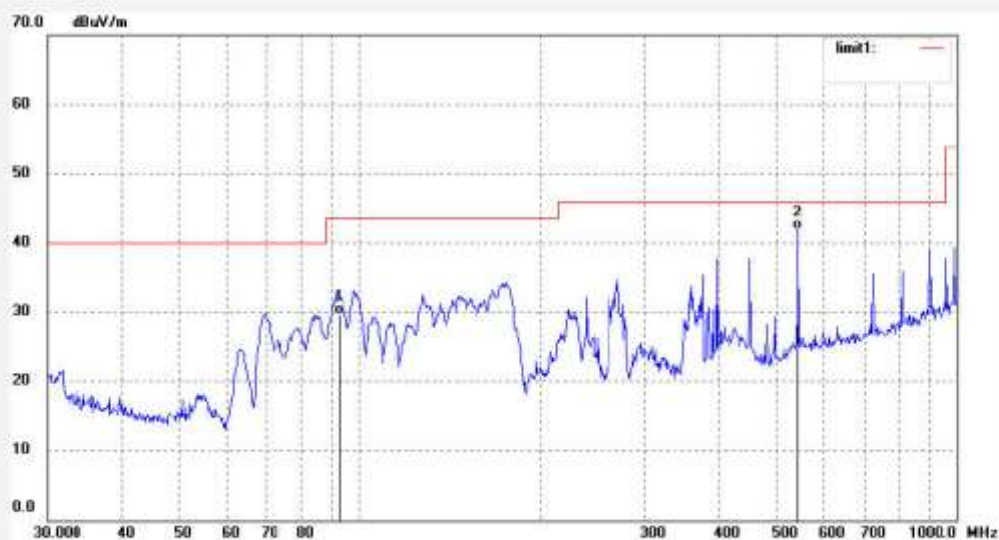
Date: 16/08/03/

Time:

Engineer Signature: PEI

Distance: 3m

Note: Bluetooth 4.0



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	92.1388	44.54	-14.96	29.58	43.50	-13.92	QP			
2	540.0230	45.75	-3.87	41.88	46.00	-4.12	QP			



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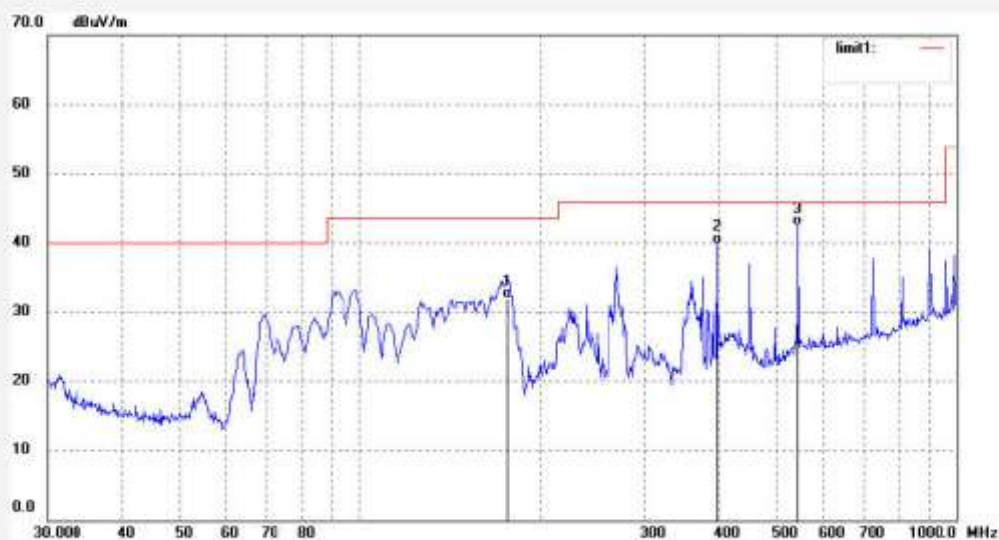
F1,Bldg.A,Changyuan New Material Port Keyuan Rd,
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Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: phy #2372
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: ContextMedia Health
Mode: TX 2440MHz
Model: P-WAL-106-ELC-01
Manufacturer: ContextMedia LLC

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 16/08/03/
Time:
Engineer Signature: PEI
Distance: 3m

Note: Bluetooth 4.0



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	176.8878	45.51	-13.57	31.94	43.50	-11.56	QP			
2	396.2414	46.85	-6.97	39.88	46.00	-6.12	QP			
3	540.0242	46.31	-3.87	42.44	46.00	-3.56	QP			



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Job No.: phy #2373

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: ContextMedia Health

Mode: TX 2440MHz

Model: P-WAL-106-ELC-01

Manufacturer: ContextMedia LLC

Polarization: Vertical

Power Source: AC 120V/60Hz

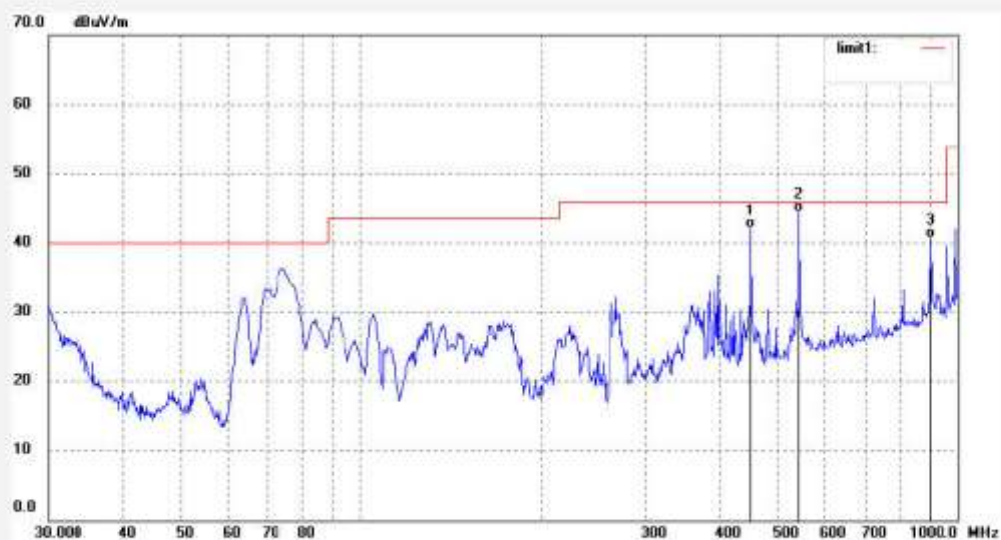
Date: 16/08/03/

Time:

Engineer Signature: PEI

Distance: 3m

Note: Bluetooth 4.0



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	450.0280	47.90	-5.78	42.12	46.00	-3.88	QP			
2	540.0262	48.42	-3.87	44.55	46.00	-1.45	QP			
3	900.0754	39.43	1.28	40.71	46.00	-5.29	QP			



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Fax:+86-0755-26503396

Job No.: phy #2374

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: ContextMedia Health

Mode: TX 2480MHz

Model: P-WAL-106-ELC-01

Manufacturer: ContextMedia LLC

Polarization: Vertical

Power Source: AC 120V/60Hz

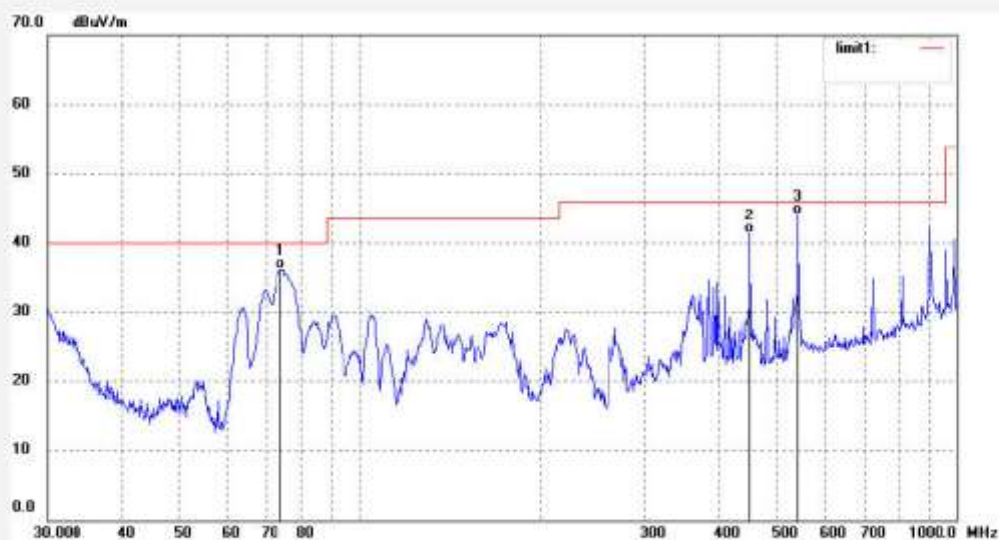
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Time:

Engineer Signature: PEI

Distance: 3m

Note: Bluetooth 4.0



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	73.6170	52.90	-16.58	36.32	40.00	-3.68	QP			
2	451.1350	47.15	-5.77	41.38	46.00	-4.62	QP			
3	541.3724	47.98	-3.84	44.14	46.00	-1.86	QP			



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Site: 2# Chamber

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Job No.: phy #2375

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: ContextMedia Health

Mode: TX 2480MHz

Model: P-WAL-106-ELC-01

Manufacturer: ContextMedia LLC

Polarization: Horizontal

Power Source: AC 120V/60Hz

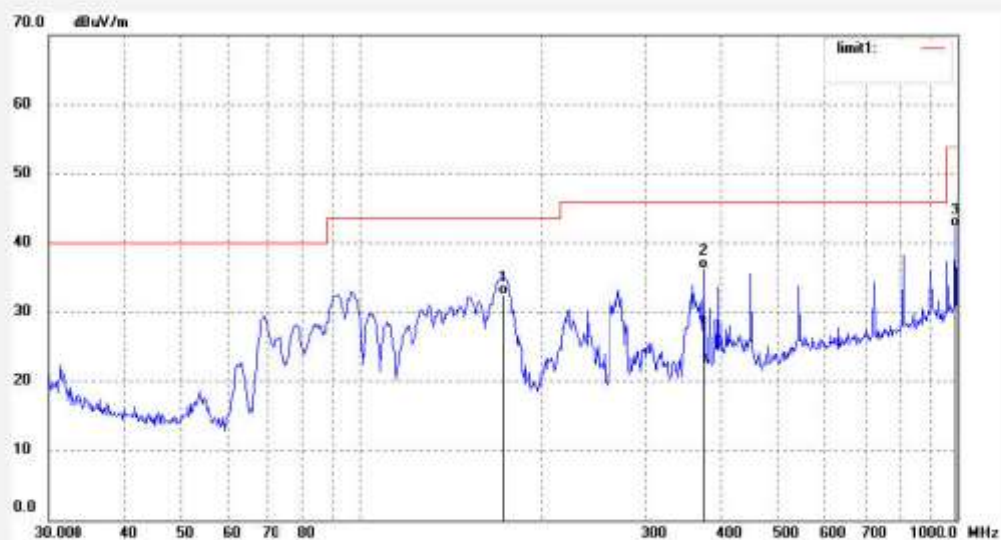
Date: 16/08/03/

Time:

Engineer Signature: PEI

Distance: 3m

Note: Bluetooth 4.0



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	173.8135	46.03	-13.65	32.38	43.50	-11.12	QP			
2	375.9384	43.75	-7.42	36.33	46.00	-9.67	QP			
3	993.0113	39.56	2.73	42.29	54.00	-11.71	QP			

Low Energy mode, 1GHz - 18GHz



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Job No.: phy #2232

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C /48 %

EUT: ContextMedia Health

Mode: TX 2402MHz

Model: P-WAL-106-ELC-01

Manufacturer: ContextMedia LLC

Polarization: Horizontal

Power Source: AC 120V/60Hz

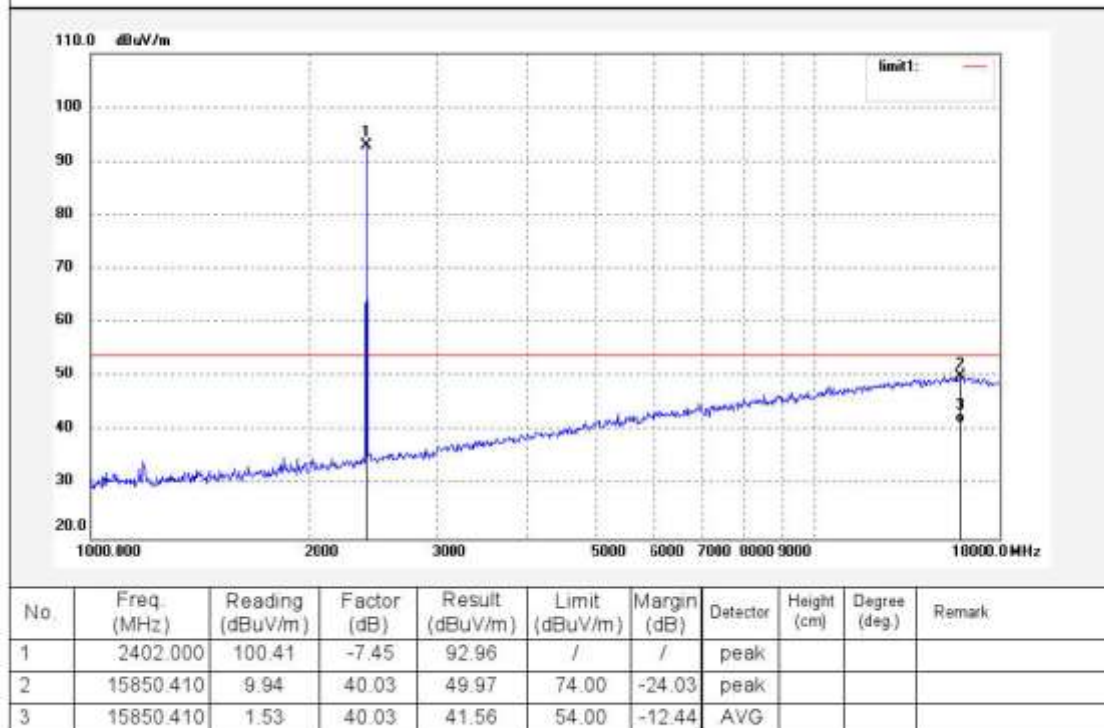
Date: 16/07/29/

Time:

Engineer Signature: PEI

Distance: 3m

Note: Bluetooth 4.0





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Job No.: phy #2233

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: ContextMedia Health

Mode: TX 2402MHz

Model: P-WAL-106-ELC-01

Manufacturer: ContextMedia LLC

Polarization: Vertical

Power Source: AC 120V/60Hz

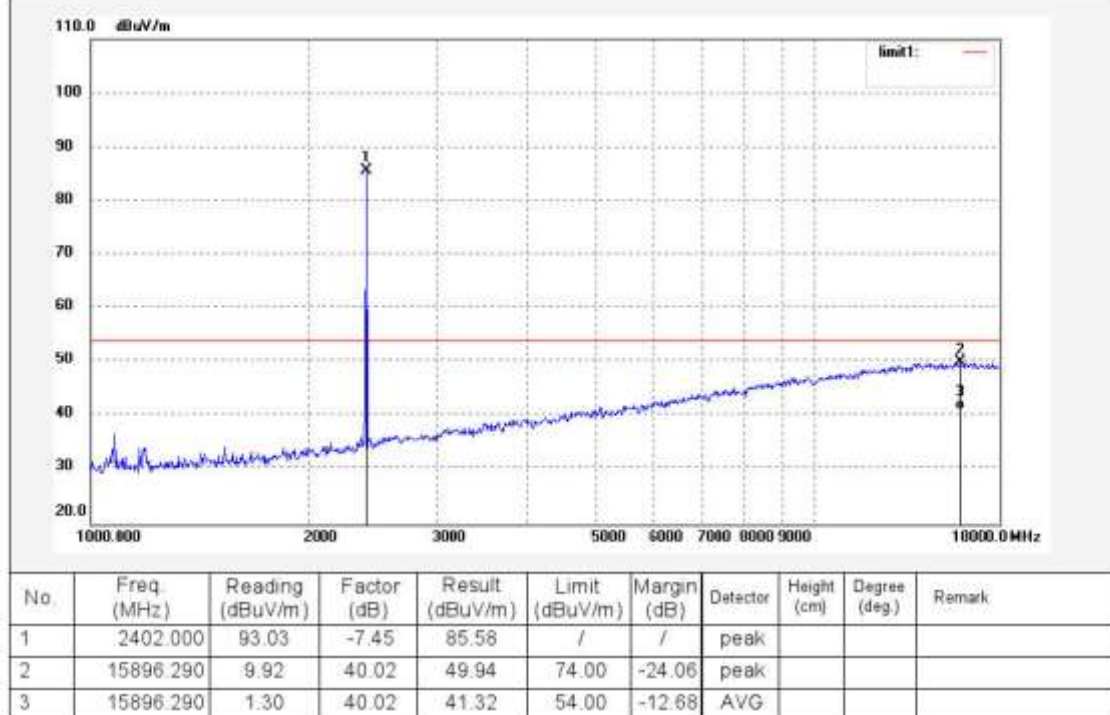
Date: 16/07/29/

Time:

Engineer Signature: PEI

Distance: 3m

Note: Bluetooth 4.0





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Job No.: phy #2236

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: ContextMedia Health

Mode: TX 2440MHz

Model: P-WAL-106-ELC-01

Manufacturer: ContextMedia LLC

Polarization: Horizontal

Power Source: AC 120V/60Hz

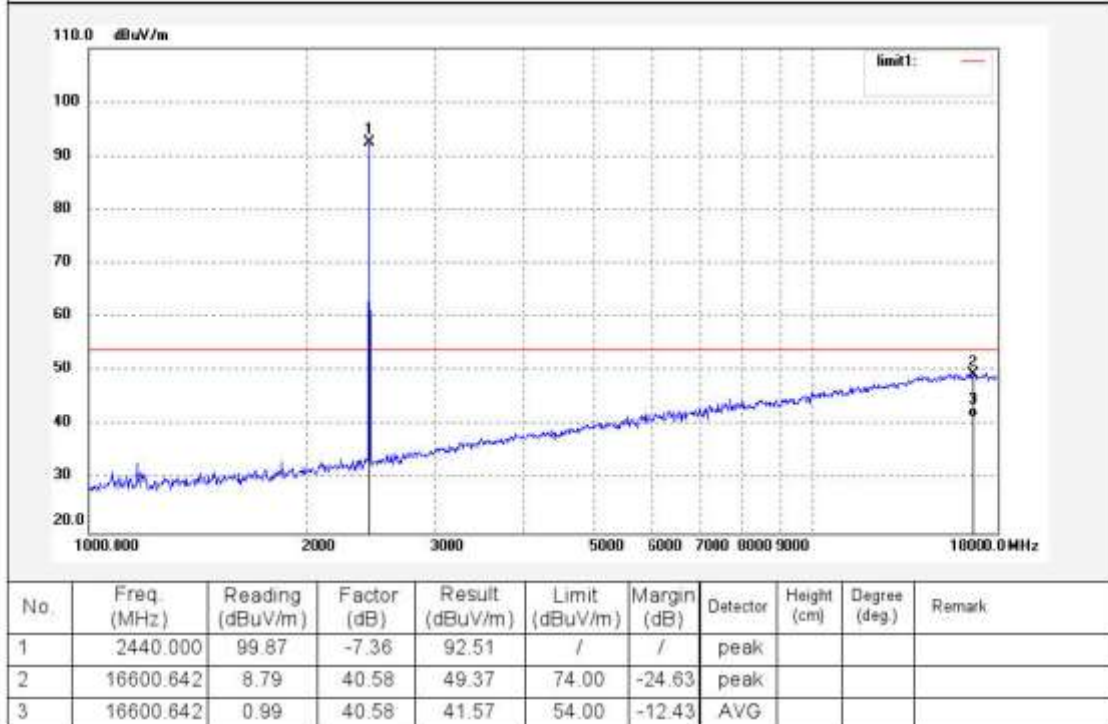
Date: 16/07/29/

Time:

Engineer Signature: PEI

Distance: 3m

Note: Bluetooth 4.0





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Fax: +86-0755-26503396

Job No.: phy #2237

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: ContextMedia Health

Mode: TX 2440MHz

Model: P-WAL-106-ELC-01

Manufacturer: ContextMedia LLC

Polarization: Vertical

Power Source: AC 120V/60Hz

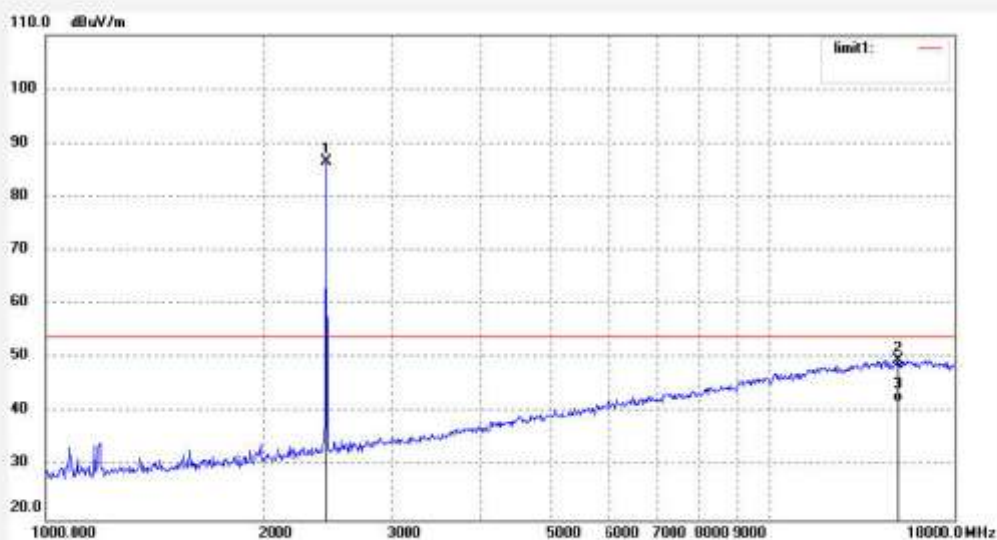
Date: 16/07/29/

Time:

Engineer Signature: PEI

Distance: 3m

Note: Bluetooth 4.0



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2440.000	93.88	-7.36	86.52	/	/	peak			
2	15046.851	8.50	41.01	49.51	74.00	-24.49	peak			
3	15046.851	0.88	41.01	41.89	54.00	-12.11	AVG			



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Job No.: phy #2238

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: ContextMedia Health

Mode: TX 2480MHz

Model: P-WAL-106-ELC-01

Manufacturer: ContextMedia LLC

Polarization: Vertical

Power Source: AC 120V/60Hz

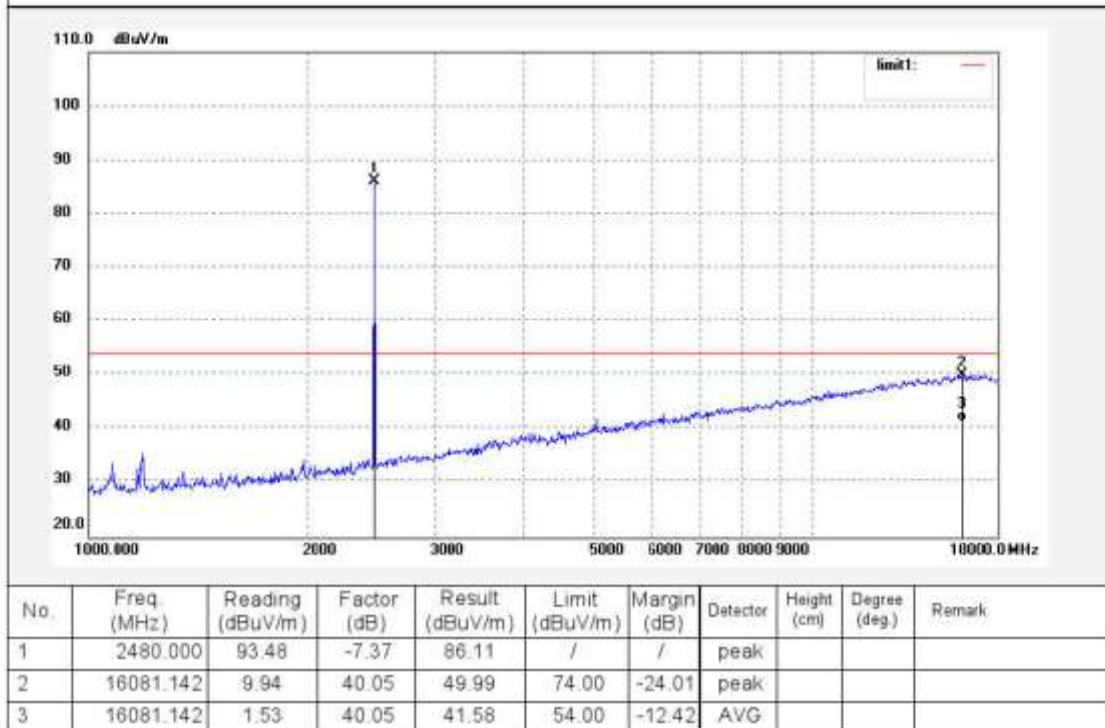
Date: 16/07/29/

Time:

Engineer Signature: PEI

Distance: 3m

Note: Bluetooth 4.0





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Job No.: phy #2239

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: ContextMedia Health

Mode: TX 2480MHz

Model: P-WAL-106-ELC-01

Manufacturer: ContextMedia LLC

Polarization: Horizontal

Power Source: AC 120V/60Hz

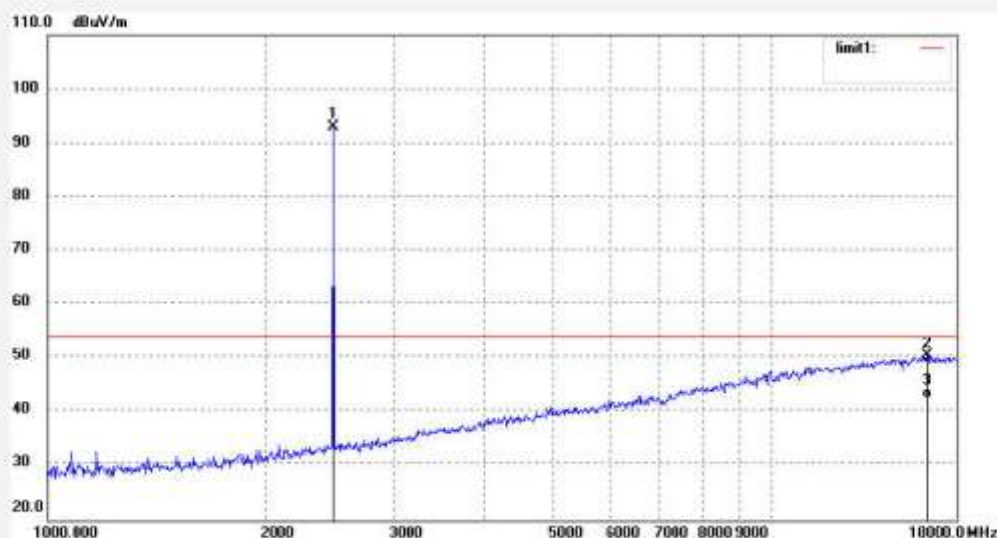
Date: 16/07/29/

Time:

Engineer Signature: PEI

Distance: 3m

Note: Bluetooth 4.0



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2480.000	100.37	-7.37	93.00	/	/	peak			
2	16362.457	10.18	40.22	50.40	74.00	-23.60	peak			
3	16362.457	2.32	40.22	42.54	54.00	-11.46	AVG			

Low Energy mode, 18GHz - 26.5GHz



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Job No.: BBY #7

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: ContextMedia Health

Mode: TX 2402MHz

Model: P-WAL-106-ELC-01

Manufacturer: ContextMedia LLC

Polarization: Horizontal

Power Source: AC 120V/60Hz

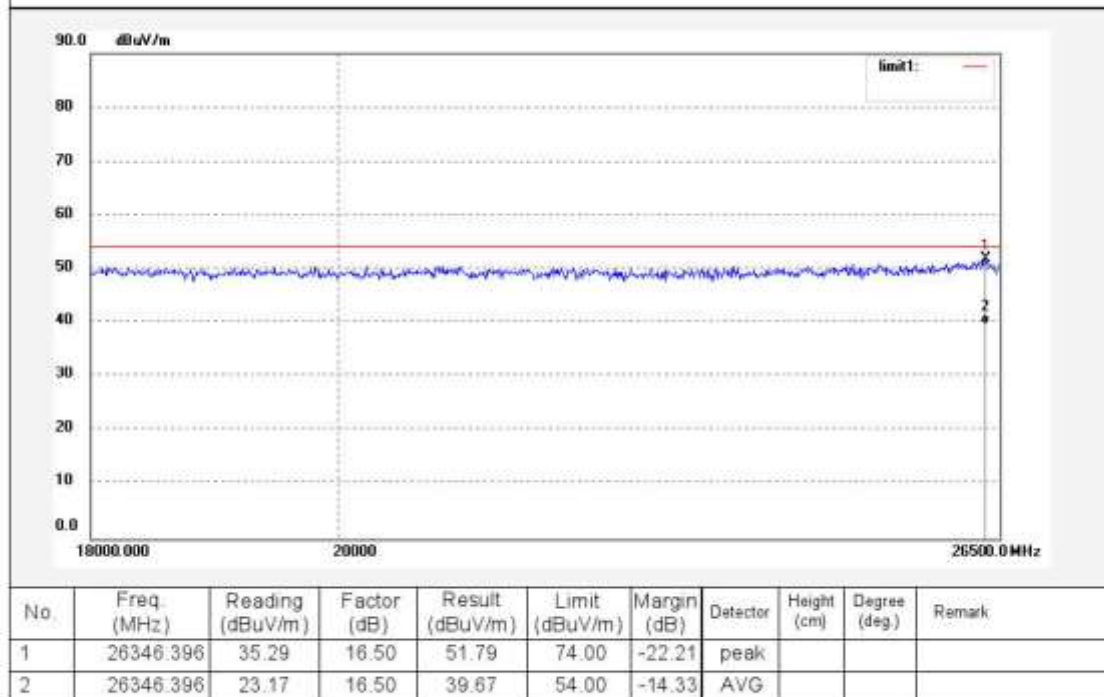
Date: 2016/08/12

Time:

Engineer Signature: PEI

Distance: 3m

Note: Bluetooth 4.0



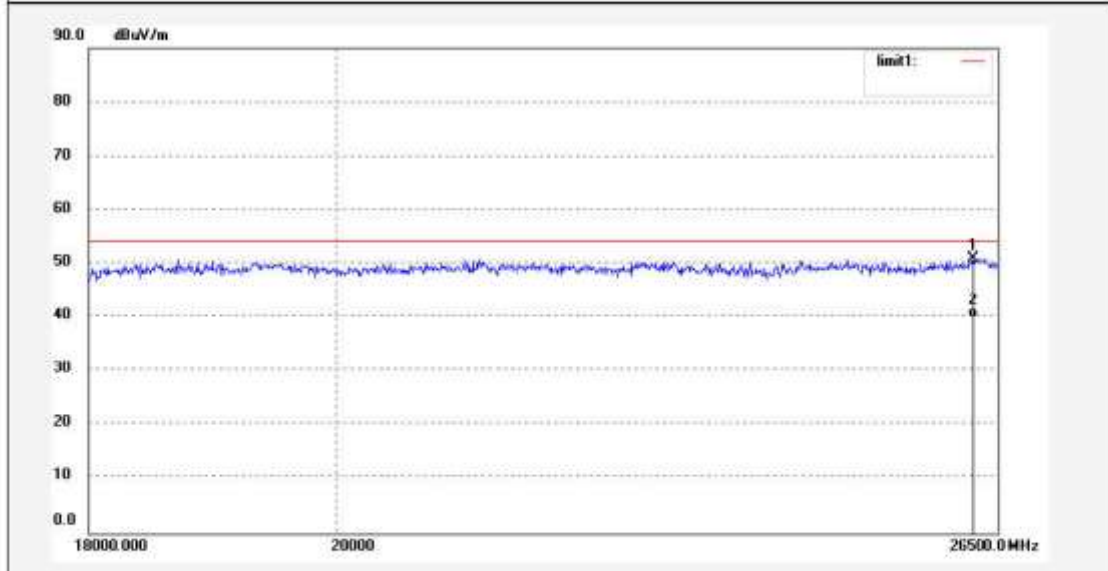


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Site: 2# Chamber
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Job No.: BBY #8	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2016/08/12
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: ContextMedia Health	Engineer Signature: PEI
Mode: TX 2402MHz	Distance: 3m
Model: P-WAL-106-ELC-01	
Manufacturer: ContextMedia LLC	
Note: Bluetooth 4.0	



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	26224.155	33.86	17.08	50.94	74.00	-23.06	peak			
2	26224.155	22.84	17.08	39.92	54.00	-14.08	AVG			

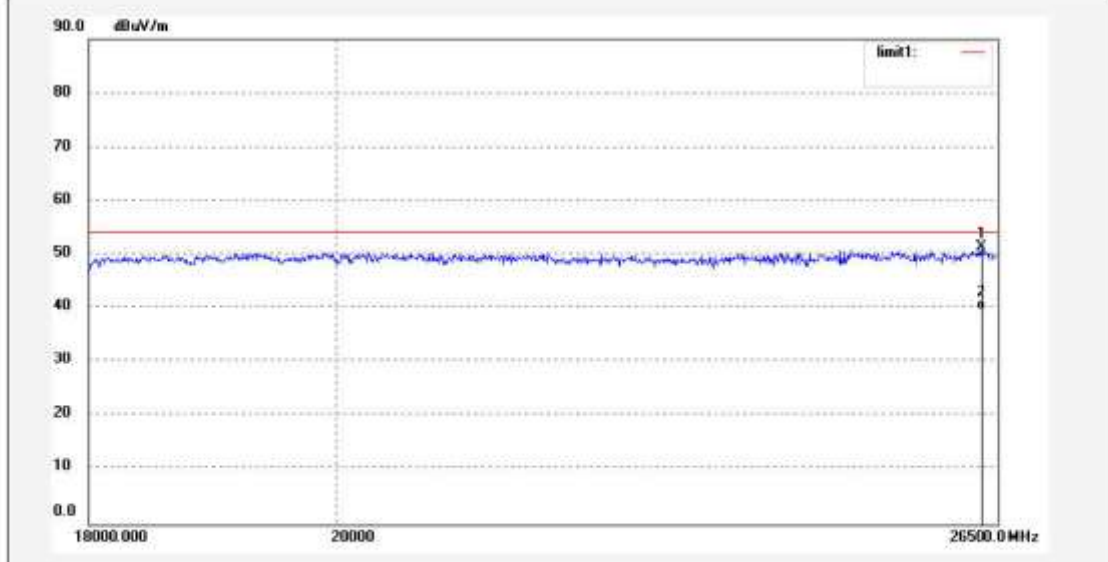


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Job No.: BBY #9	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2016/08/12
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: ContextMedia Health	Engineer Signature: PEI
Mode: TX 2440MHz	Distance: 3m
Model: P-WAL-106-ELC-01	
Manufacturer: ContextMedia LLC	
Note: Bluetooth 4.0	



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	26315.783	34.40	17.02	51.42	74.00	-22.58	peak			
2	26315.783	22.77	17.02	39.79	54.00	-14.21	AVG			



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Site: 2# Chamber
Tel: +86-0755-26503290
Fax: +86-0755-26503396

Job No.: BBY #10

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: ContextMedia Health

Mode: TX 2440MHz

Model: P-WAL-106-ELC-01

Manufacturer: ContextMedia LLC

Polarization: Horizontal

Power Source: AC 120V/60Hz

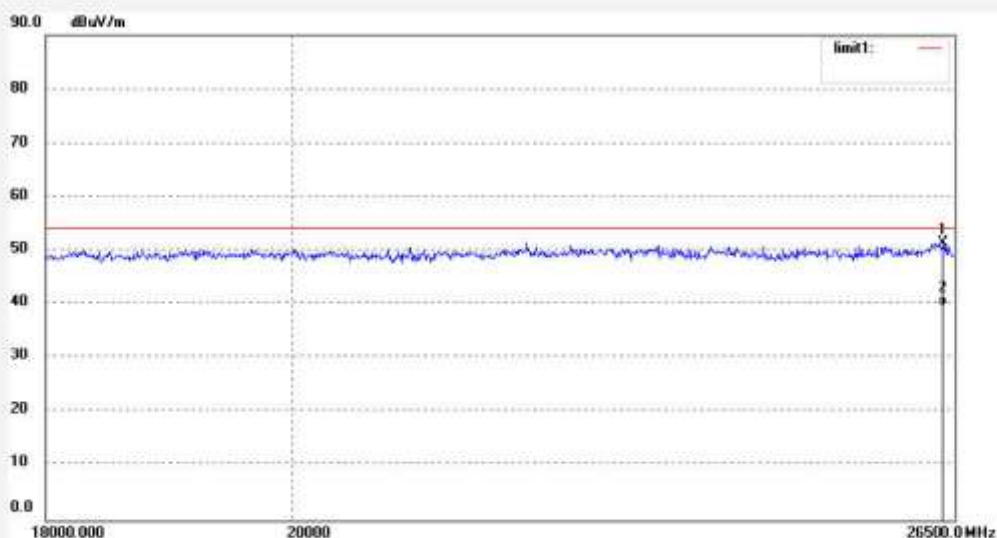
Date: 2016/08/12

Time:

Engineer Signature: PEI

Distance: 3m

Note: Bluetooth 4.0



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	26377.046	34.84	16.50	51.34	74.00	-22.66	peak			
2	26377.046	23.20	16.50	39.70	54.00	-14.30	AVG			



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Fax:+86-0755-26503396

Job No.: BBY #11

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: ContextMedia Health

Mode: TX 2480MHz

Model: P-WAL-106-ELC-01

Manufacturer: ContextMedia LLC

Polarization: Horizontal

Power Source: AC 120V/60Hz

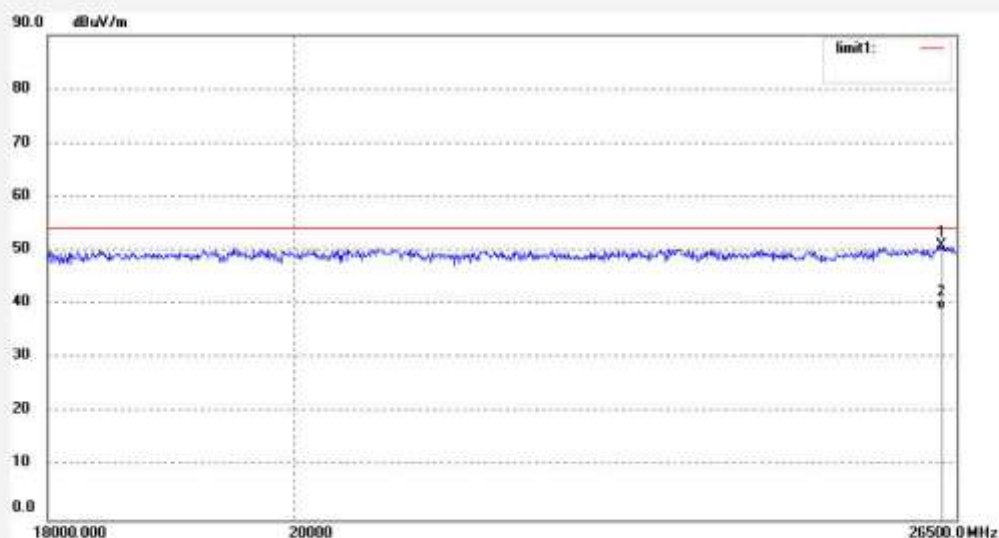
Date: 2016/08/12

Time:

Engineer Signature: PEI

Distance: 3m

Note: Bluetooth 4.0



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	26336.188	34.35	16.50	50.85	74.00	-23.15	peak			
2	26336.188	22.49	16.50	38.99	54.00	-15.01	AVG			



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Site: 2# Chamber
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Fax:+86-0755-26503396

Job No.: BBY #12

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: ContextMedia Health

Mode: TX 2480MHz

Model: P-WAL-106-ELC-01

Manufacturer: ContextMedia LLC

Polarization: Vertical

Power Source: AC 120V/60Hz

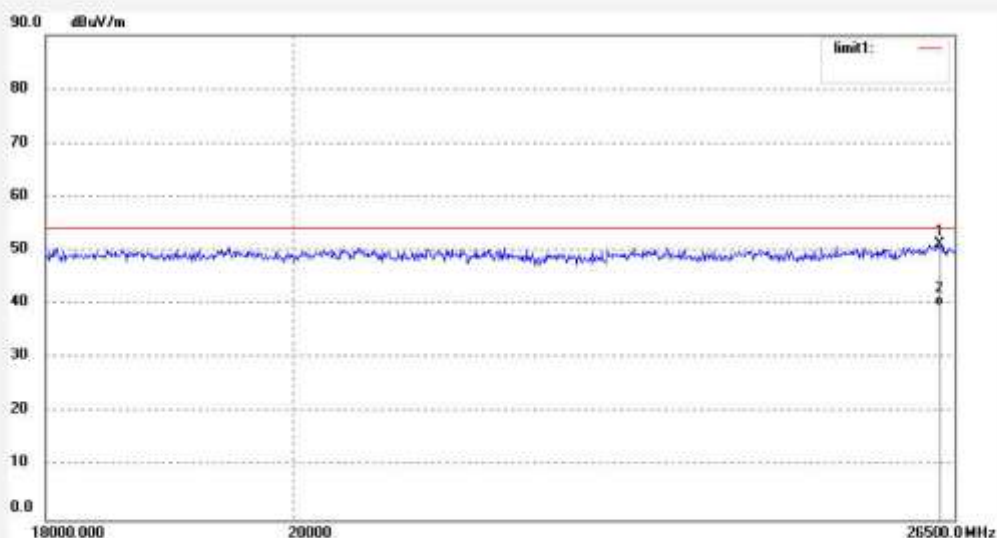
Date: 2016/08/12

Time:

Engineer Signature: PEI

Distance: 3m

Note: Bluetooth 4.0



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	26325.983	34.23	17.02	51.25	74.00	-22.75	peak			
2	26325.983	22.68	17.02	39.70	54.00	-14.30	AVG			

Appendix C.2: Test Plots of Band Edge (Radiated)

BDR mode, Low Channel



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Site: 2# Chamber

Tel: +86-0755-26503290

Fax: +86-0755-26503396

Job No.: phy #2224

Standard: FCC (Band Edge)

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: ContextMedia Health

Mode: TX 2402MHz

Model: P-WAL-106-ELC-01

Manufacturer: ContextMedia LLC

Polarization: Horizontal

Power Source: AC 120V/60Hz

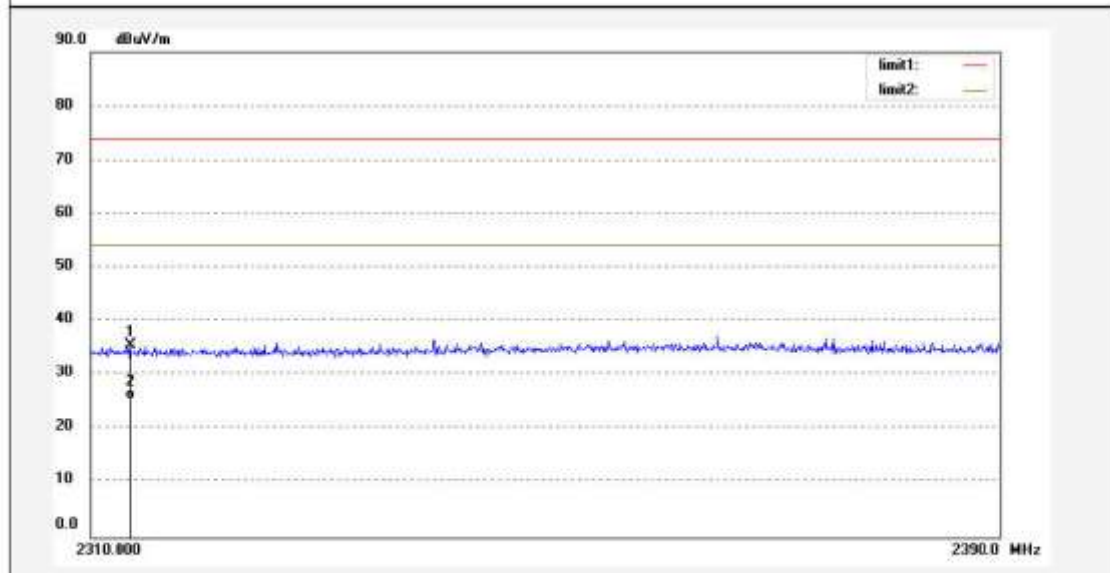
Date: 16/07/29/

Time:

Engineer Signature: PEI

Distance: 3m

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2313.520	43.37	-7.80	35.57	74.00	-38.43	peak			
2	2313.520	33.44	-7.80	25.64	54.00	-28.36	AVG			



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Site: 2# Chamber
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Fax:+86-0755-26503396

Job No.: phy #2225

Standard: FCC (Band Edge)

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: ContextMedia Health

Mode: TX 2402MHz

Model: P-WAL-106-ELC-01

Manufacturer: ContextMedia LLC

Polarization: Vertical

Power Source: AC 120V/60Hz

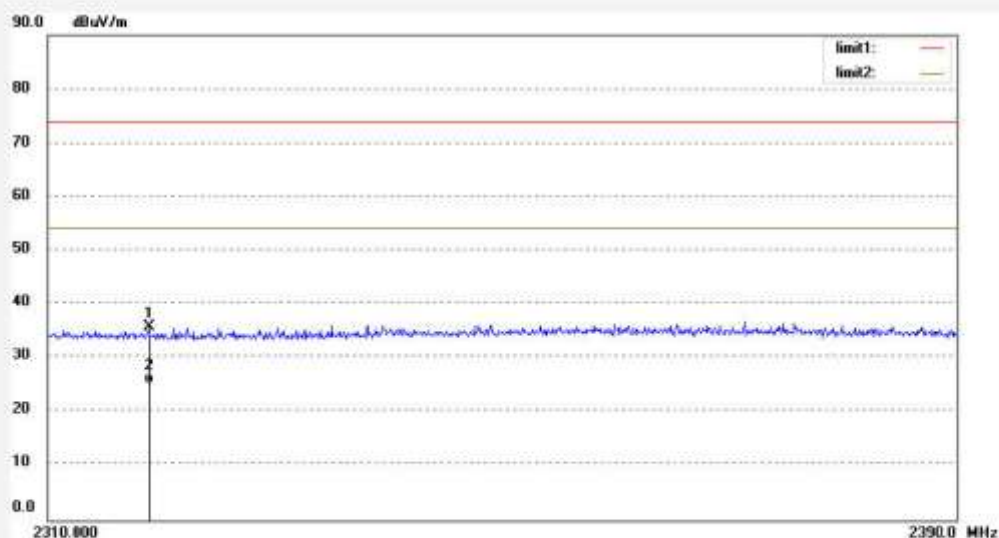
Date: 16/07/29/

Time:

Engineer Signature: PEI

Distance: 3m

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2318.880	43.61	-7.81	35.80	74.00	-38.20	peak			
2	2318.880	33.05	-7.81	25.24	54.00	-28.76	AVG			

BDR mode, High Channel



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Fax: +86-0755-26503396

Job No.: phy #2230

Standard: FCC (Band Edge)

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C /48 %

EUT: ContextMedia Health

Mode: TX 2480MHz

Model: P-WAL-106-ELC-01

Manufacturer: ContextMedia LLC

Polarization: Vertical

Power Source: AC 120V/60Hz

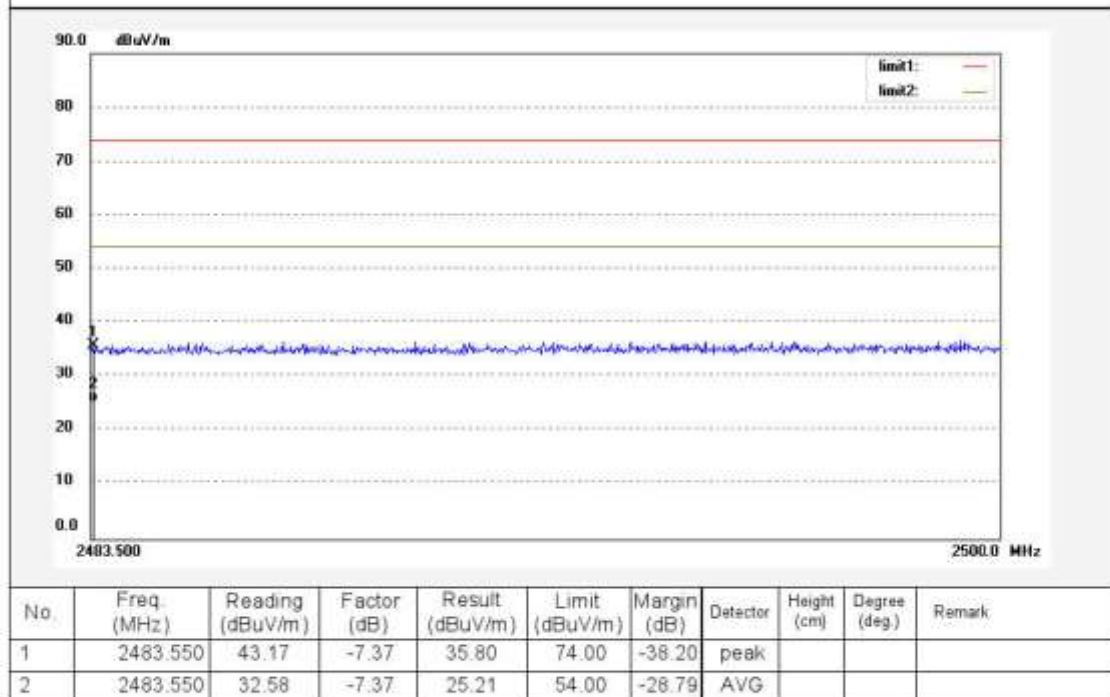
Date: 16/07/29/

Time:

Engineer Signature: PEI

Distance: 3m

Note: Bluetooth





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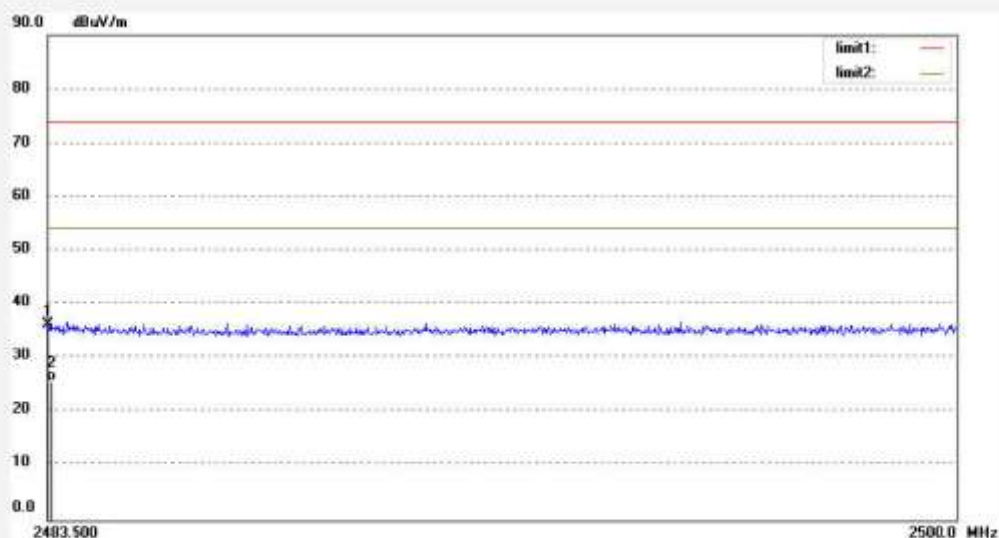
F1,Bldg.A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: phy #2231
Standard: FCC (Band Edge)
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: ContextMedia Health
Mode: TX 2480MHz
Model: P-WAL-106-ELC-01
Manufacturer: ContextMedia LLC

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 16/07/29/
Time:
Engineer Signature: PEI
Distance: 3m

Note Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.517	43.60	-7.37	36.23	74.00	-37.77	peak			
2	2483.517	33.16	-7.37	25.79	54.00	-28.21	AVG			

Low Energy mode, Low Channel



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Site: 2# Chamber

Tel: +86-0755-26503290

Fax: +86-0755-26503396

Job No.: phy #2234

Standard: FCC (Band Edge)

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: ContextMedia Health

Mode: TX 2402MHz

Model: P-WAL-106-ELC-01

Manufacturer: ContextMedia LLC

Polarization: Vertical

Power Source: AC 120V/60Hz

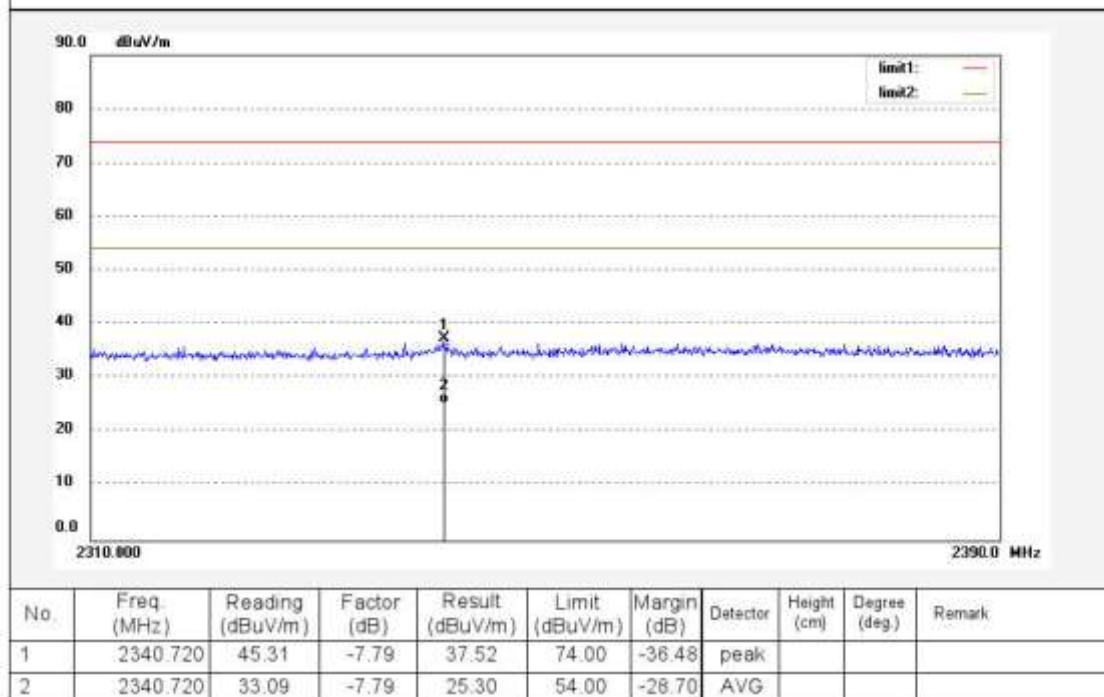
Date: 16/07/29/

Time:

Engineer Signature: PEI

Distance: 3m

Note: Bluetooth 4.0





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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: phy #2235

Standard: FCC (Band Edge)

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: ContextMedia Health

Mode: TX 2402MHz

Model: P-WAL-106-ELC-01

Manufacturer: ContextMedia LLC

Polarization: Horizontal

Power Source: AC 120V/60Hz

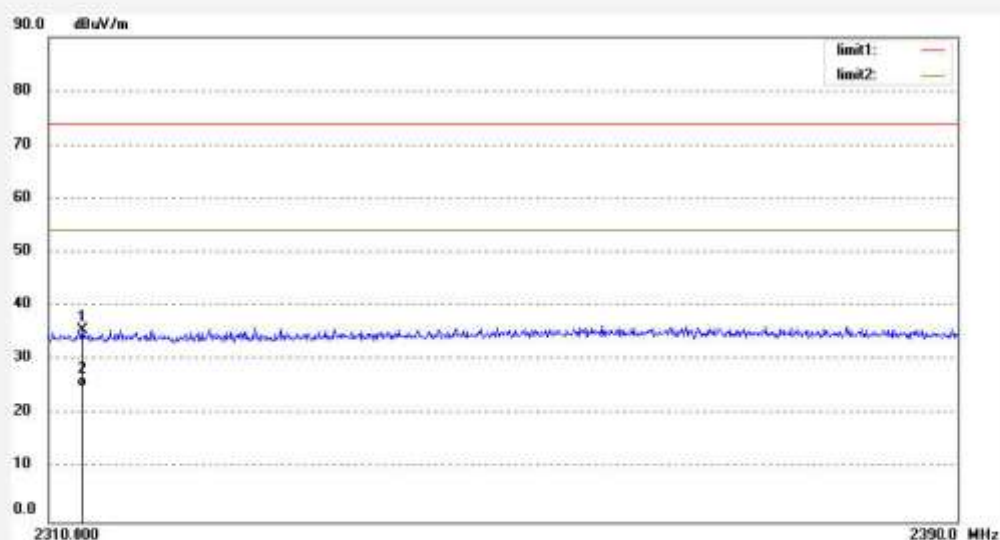
Date: 16/07/29/

Time:

Engineer Signature: PEI

Distance: 3m

Note: Bluetooth 4.0



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2313.040	43.46	-7.81	35.65	74.00	-38.35	peak			
2	2313.040	32.85	-7.81	25.04	54.00	-28.96	AVG			

Low Energy mode, High Channel



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Site: 2# Chamber

Tel: +86-0755-26503290

Fax: +86-0755-26503396

Job No.: phy #2240

Standard: FCC (Band Edge)

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: ContextMedia Health

Mode: TX 2480MHz

Model: P-WAL-106-ELC-01

Manufacturer: ContextMedia LLC

Polarization: Horizontal

Power Source: AC 120V/60Hz

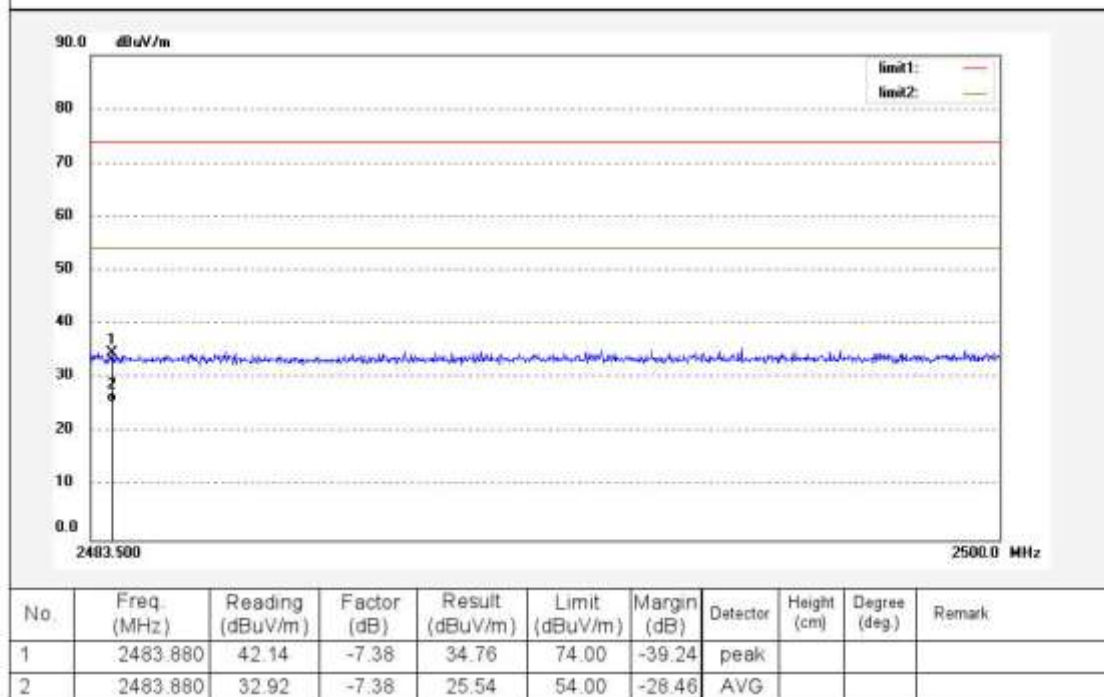
Date: 16/07/29/

Time:

Engineer Signature: PEI

Distance: 3m

Note: Bluetooth 4.0





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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: phy #2241

Standard: FCC (Band Edge)

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: ContextMedia Health

Mode: TX 2480MHz

Model: P-WAL-106-ELC-01

Manufacturer: ContextMedia LLC

Polarization: Vertical

Power Source: AC 120V/60Hz

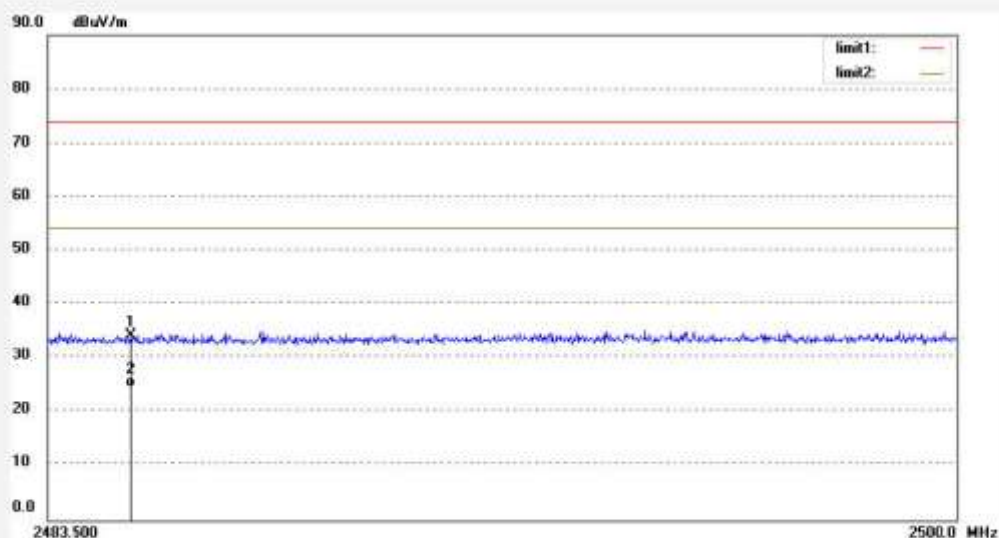
Date: 16/07/29/

Time:

Engineer Signature: PEI

Distance: 3m

Note: Bluetooth 4.0



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2485.001	41.78	-7.38	34.40	74.00	-39.60	peak			
2	2485.001	31.95	-7.38	24.57	54.00	-29.43	AVG			

Appendix C.3: Test Plots of Conducted Emission

C Mode

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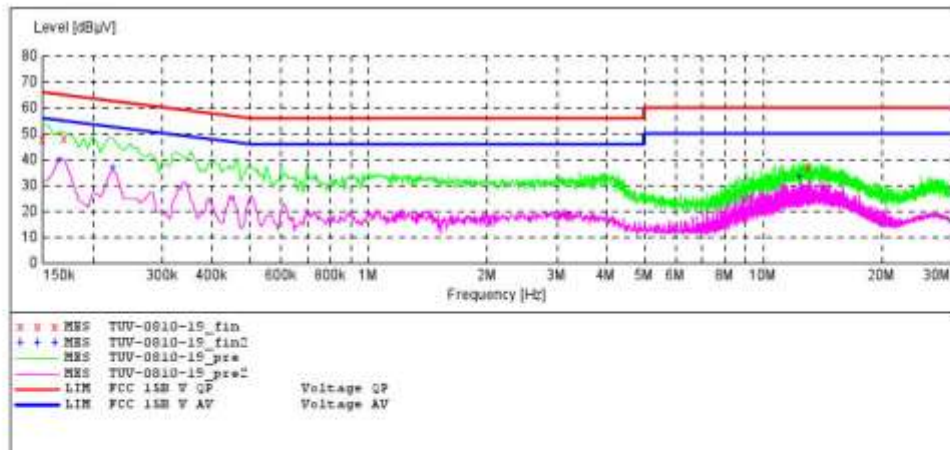
CONDUCTED EMISSION STANDARD FCC PART 15 B

EUT: ContextMedia Health M/N:P-WAL-106-ELC-01
Manufacturer: ContextMedia LLC
Operating Condition: On with Bluetooth
Test Site: 1#Shielding Room
Operator: LGWADE
Test Specification: N 120V/60Hz
Comment: Mains Port
Start of Test: 8/10/2016 /

SCAN TABLE: "V 9K-30MHz fin"

Short Description: _SUB_STD_VTERM2 1.70

Start Frequency	Stop Frequency	Step Width	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	NSLK8126 2008
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	NSLK8126 2008
			Average			



MEASUREMENT RESULT: "TUV-0810-19_fin"

8/10/2016

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.150000	47.40	10.5	66	18.6	QP	N	GND
0.170000	47.90	10.5	65	17.1	QP	N	GND
13.030000	36.50	11.3	60	23.5	QP	N	GND

MEASUREMENT RESULT: "TUV-0810-19_fin2"

8/10/2016

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.165000	39.50	10.5	55	15.7	AV	N	GND
0.225000	36.70	10.6	53	15.9	AV	N	GND
12.355000	33.10	11.3	50	16.9	AV	N	GND

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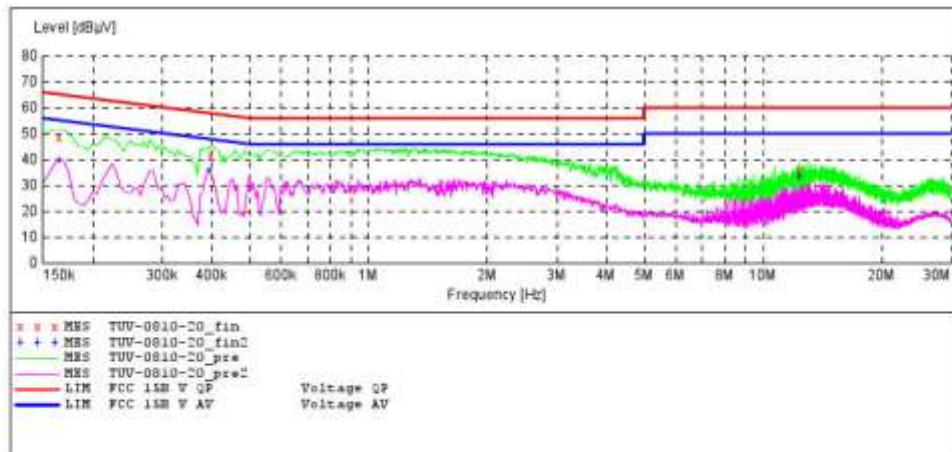
CONDUCTED EMISSION STANDARD FCC PART 15 B

EUT: ContextMedia Health M/N:P-WAL-106-ELC-01
 Manufacturer: ContextMedia LLC
 Operating Condition: On with Bluetooth
 Test Site: 1#Shielding Room
 Operator: LGWADE
 Test Specification: L 120V/60Hz
 Comment: Mains Port
 Start of Test: 8/10/2016 /

SCAN TABLE: "V 9K-30MHz fin"

Short Description: _SUB_STD_VTERM2 1.70

Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	NSLK8126 2008
Average						
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	NSLK8126 2008
Average						



MEASUREMENT RESULT: "TUV-0810-20_fin"

8/10/2016

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.165000	48.60	10.5	65	16.6	QP	L1	GND
0.400000	41.30	10.7	58	16.6	QP	L1	GND
12.355000	35.70	11.3	60	24.3	QP	L1	GND

MEASUREMENT RESULT: "TUV-0810-20_fin2"

8/10/2016

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.165000	39.30	10.5	55	15.9	AV	L1	GND
0.395000	35.50	10.7	48	12.5	AV	L1	GND
12.355000	32.60	11.3	50	17.4	AV	L1	GND