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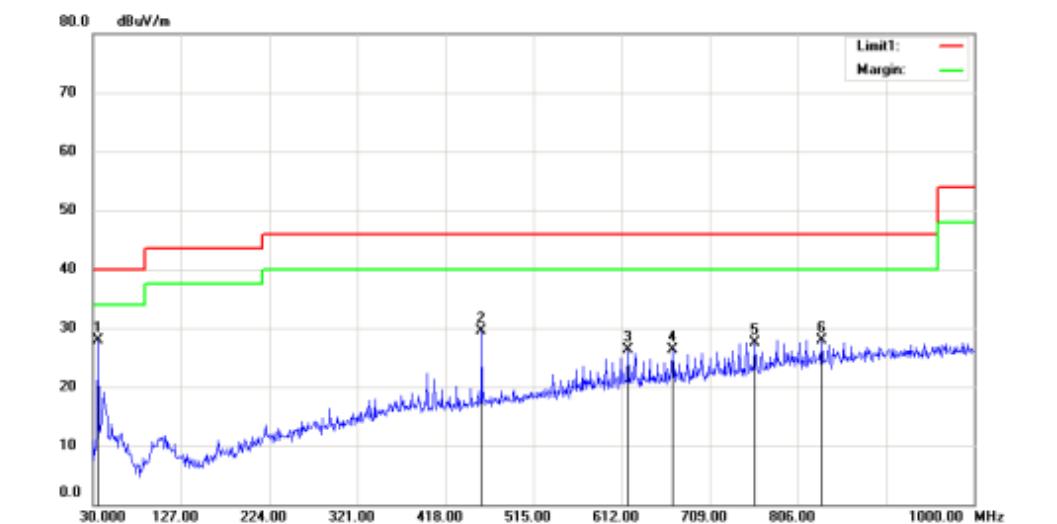


Radiated Emission Measurement

File :TUV 2017

Data #:147

Date: 2017/06/02



Site 3m Chamber #2

Polarization: Horizontal

Temperature: 22 C

Limit: ( RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 55 %

EUT:Smart Monitoring Companion

M/N: MBP162

Mode:TX b 2462

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	Comment	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	
1	*	35.8200	44.26	-16.45	27.81	40.00	-12.19	QP			
2		457.7700	37.25	-7.76	29.49	46.00	-16.51	QP			
3		618.7900	30.39	-4.15	26.24	46.00	-19.76	QP			
4		668.2600	29.77	-3.39	26.38	46.00	-19.62	QP			
5		758.4700	29.43	-1.84	27.59	46.00	-18.41	QP			
6		832.1900	28.61	-0.69	27.92	46.00	-18.08	QP			

\*:Maximum data    x:Over limit    !:over margin

Operator: MATIN

File :TUV 2017\Data :\#147

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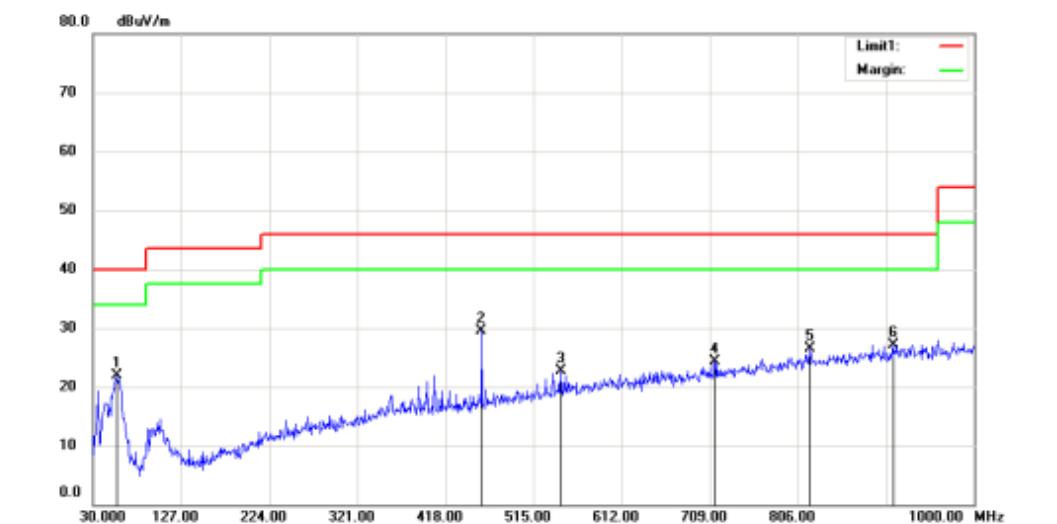


Radiated Emission Measurement

File :TUV 2017

Data #:148

Date: 2017/06/02



Site: 3m Chamber #2

Polarization: Vertical

Temperature: 22 C

Limit: ( RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 55 %

EUT:Smart Monitoring Companion

M/N: MBP162

Mode:TX b 2462

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	Antenna Height	Table Degree	Comment	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	
1		56.1900	36.71	-14.71	22.00	40.00	-18.00	QP			
2	*	457.7700	37.28	-7.76	29.52	46.00	-16.48	QP			
3		545.0700	28.43	-5.70	22.73	46.00	-23.27	QP			
4		714.8200	26.96	-2.64	24.32	46.00	-21.68	QP			
5		819.5800	27.39	-0.84	26.55	46.00	-19.45	QP			
6		910.7600	26.79	0.26	27.05	46.00	-18.95	QP			

\*:Maximum data    x:Over limit    !:over margin

Operator: MATIN

File :TUV 2017\Data :\#148

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## 1GHz - 18GHz

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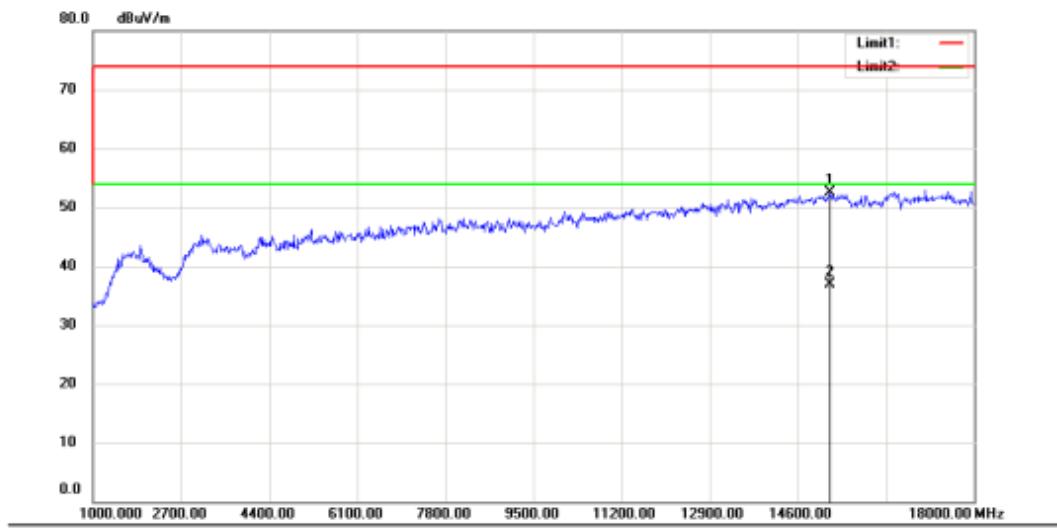


### Radiated Emission Measurement

File : TUV 2017

Data : #1619

Date: 2017/06/26



Site 3m Chamber #2

Polarization: **Horizontal**

Temperature: 22 C

Limit: ( RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 55 %

EUT:Smart Monitoring Companion

M/N: MBP162

Mode:TX b 2412

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		15212.00	55.95	-3.49	52.46	74.00	-21.54	peak		
2	*	15212.00	40.39	-3.49	36.90	54.00	-17.10	AVG		

\*:Maximum data x:Over limit !:over margin

Operator: KK

File : TUV 2017\Data :#1619

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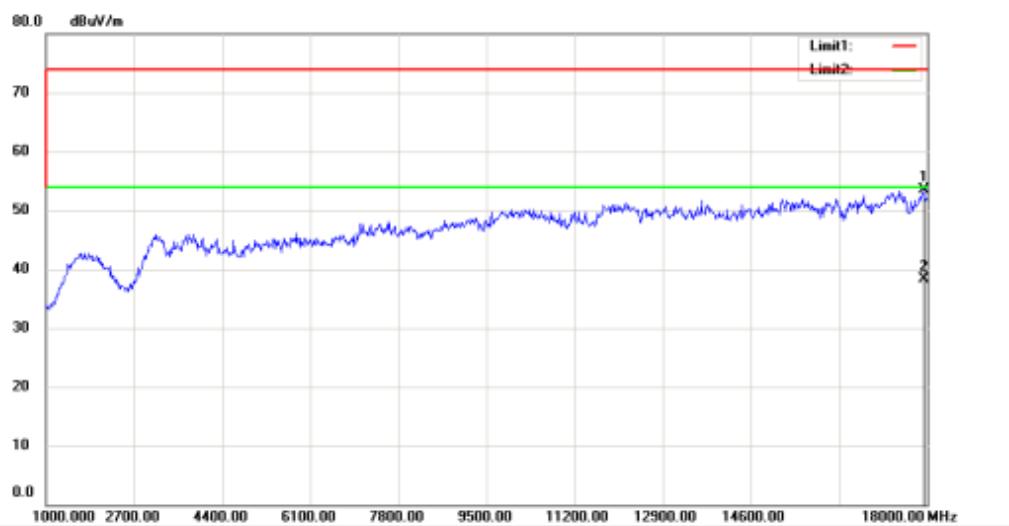


Radiated Emission Measurement

File : TUV 2017

Data #: 1615

Date: 2017/06/26



Site: 3m Chamber #2

Polarization: Vertical

Temperature: 22 °C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 55 %

EUT: Smart Monitoring Companion

M/N: MBP162

Mode: TX b 2412

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		17932.00	53.19	0.29	53.48	74.00	-20.52	peak		
2	*	17932.00	38.01	0.29	38.30	54.00	-15.70	AVG		

\*:Maximum data    x:Over limit    !:over margin

Operator: KK

File : TUV 2017\ Data #: 1615

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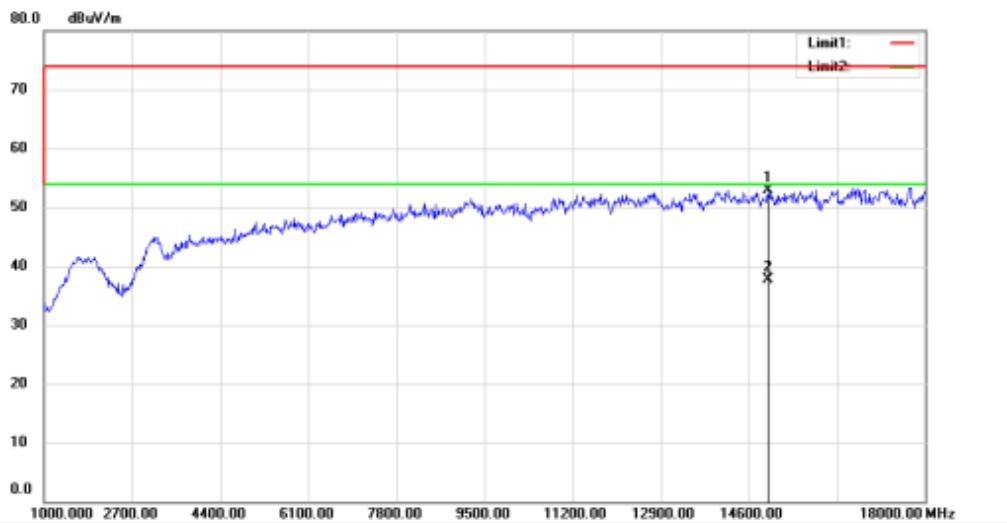


Radiated Emission Measurement

File : TUV 2017

Data #: 1621

Date: 2017/06/26



Site: 3m Chamber #2

Polarization: Horizontal

Temperature: 22 °C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 55 %

EUT:Smart Monitoring Companion

M/N: MBP162

Mode:TX b 2437

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	Antenna Height	Table Degree	Comment	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	
1		14974.00	55.58	-2.62	52.96	74.00	-21.04	peak			
2	*	14974.00	40.42	-2.62	37.80	54.00	-16.20	AVG			

\*:Maximum data x:Over limit !:over margin

Operator: KK

File : TUV 2017\ Data #: 1621

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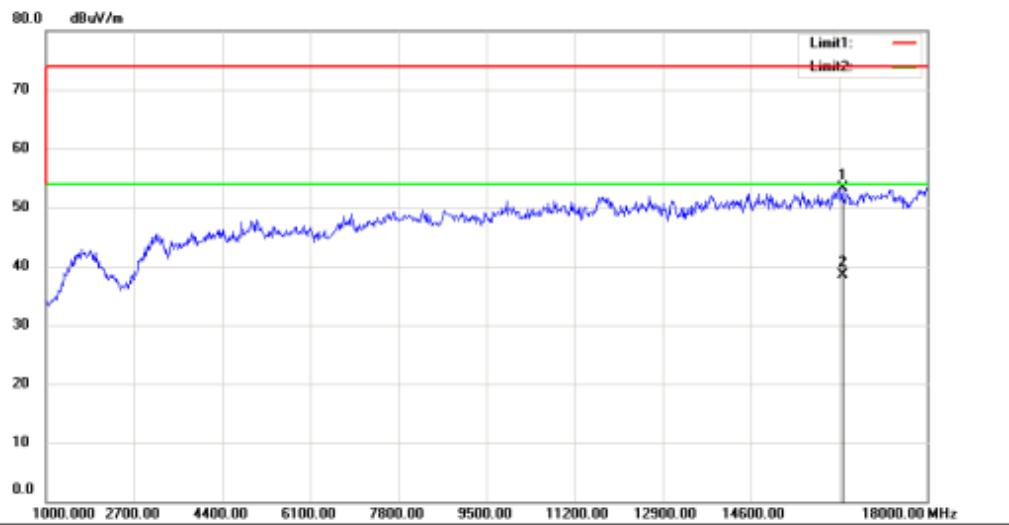


Radiated Emission Measurement

File : TUV 2017

Data #: 1620

Date: 2017/06/26



Site: 3m Chamber #2

Polarization: Vertical

Temperature: 22 °C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 55 %

EUT:Smart Monitoring Companion

M/N: MBP162

Mode:TX b 2437

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	Antenna Height	Table Degree	Comment	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	
1		16368.00	57.67	-4.43	53.24	74.00	-20.76	peak			
2	*	16368.00	42.93	-4.43	38.50	54.00	-15.50	AVG			

\*:Maximum data x:Over limit !:over margin

Operator: KK

File : TUV 2017\ Data #: 1620

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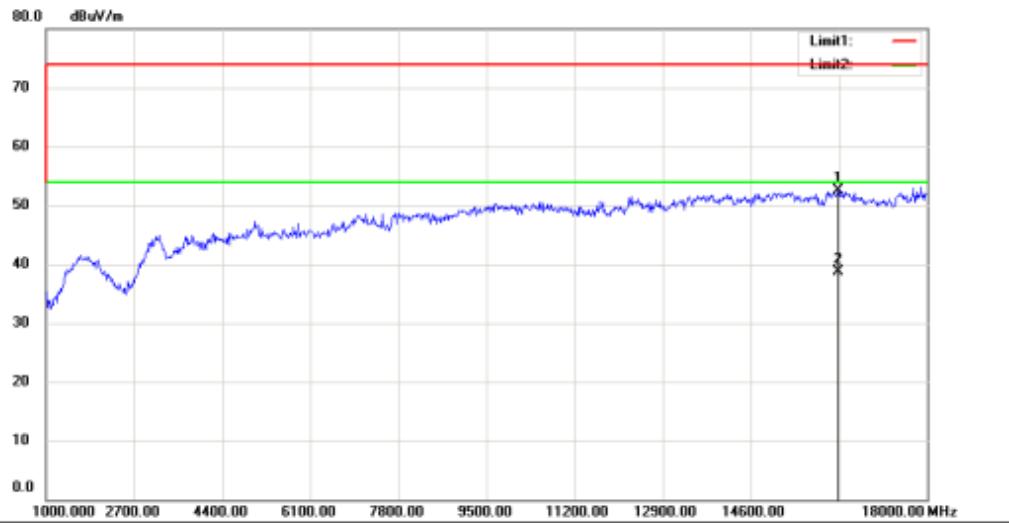


Radiated Emission Measurement

File : TUV 2017

Data #: 1623

Date: 2017/06/26



Site: 3m Chamber #2

Polarization: Horizontal

Temperature: 22 °C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 55 %

EUT: Smart Monitoring Companion

M/N: MBP162

Mode: TX b 2462

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	Antenna Height	Table Degree	Comment	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	
1		16283.00	57.44	-4.92	52.52	74.00	-21.48	peak			
2	*	16283.00	43.72	-4.92	38.80	54.00	-15.20	AVG			

\*:Maximum data x:Over limit !:over margin

Operator: KK

File : TUV 2017\ Data #: 1623

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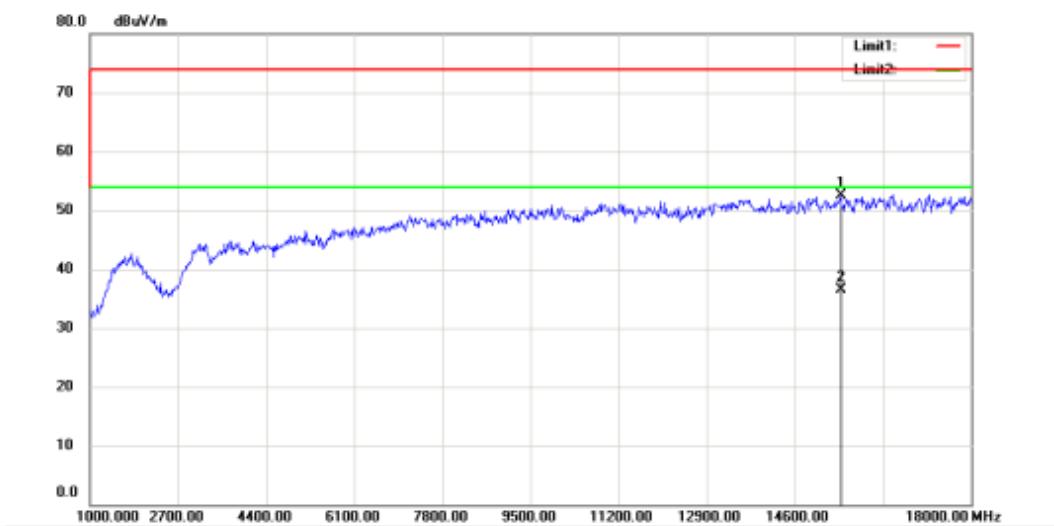


Radiated Emission Measurement

File : TUV 2017

Data #: 1622

Date: 2017/06/26



Site: 3m Chamber #2

Polarization: Vertical

Temperature: 22 °C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 55 %

EUT: Smart Monitoring Companion

M/N: MBP162

Mode: TX b 2462

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		15484.00	56.96	-4.54	52.42	74.00	-21.58	peak		
2	*	15484.00	41.14	-4.54	36.60	54.00	-17.40	AVG		

\*:Maximum data    x:Over limit    !:over margin

Operator: KK

File : TUV 2017\ Data #: 1622

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Wi-Fi 802.11 g mode, 54 Mbps  
30MHz - 1GHz

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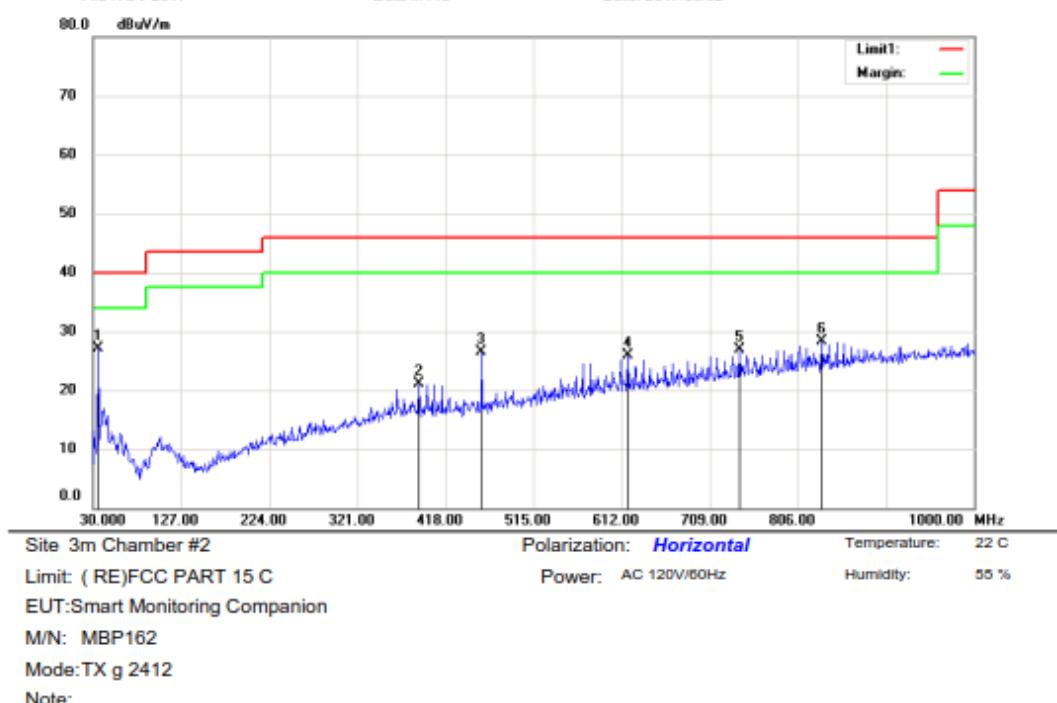


## Radiated Emission Measurement

File :TUV 2017

Data :#149

Date: 2017/06/02



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB	Over Detector	Antenna Height cm	Table Degree degree	Comment
1	*	35.8200	43.59	-16.45	27.14	40.00	-12.86	QP		
2		388.9000	29.70	-8.65	21.05	46.00	-24.95	QP		
3		457.7700	34.17	-7.76	26.41	46.00	-19.59	QP		
4		618.7900	30.01	-4.15	25.86	46.00	-20.14	QP		
5		741.9800	28.99	-2.14	26.85	46.00	-19.15	QP		
6		832.1900	28.91	-0.69	28.22	46.00	-17.78	QP		

\*:Maximum data    x:Over limit    !:over margin

Operator: MATIN

File :TUV 2017&gt;Data :#149

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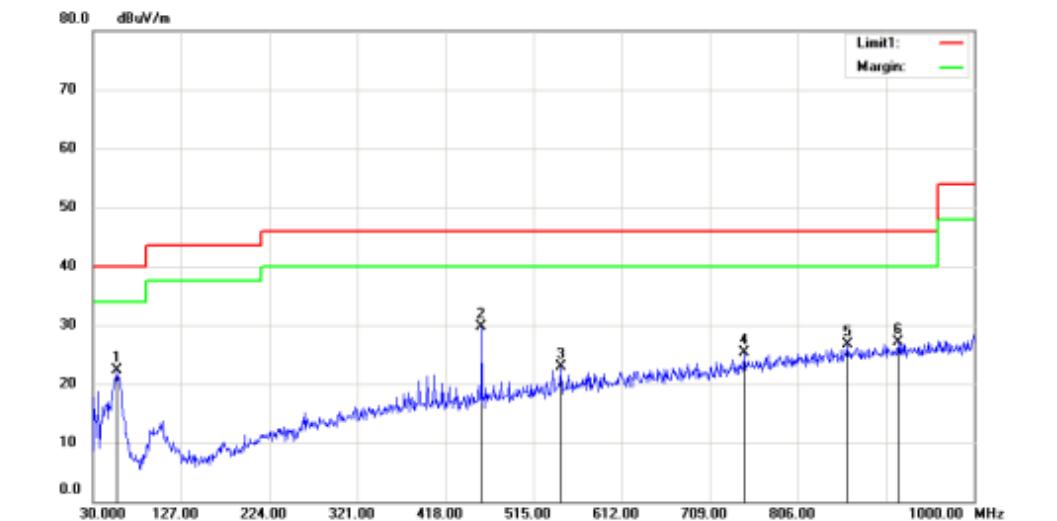


Radiated Emission Measurement

File :TUV 2017

Data :#150

Date: 2017/06/02



Site: 3m Chamber #2

Polarization: Vertical

Temperature: 22 C

Limit: ( RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 55 %

EUT:Smart Monitoring Companion

M/N: MBP162

Mode:TX g 2412

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	Antenna Height	Table Degree	Comment	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	
1		56.1900	37.07	-14.71	22.36	40.00	-17.64	QP			
2	*	457.7700	37.54	-7.76	29.78	46.00	-16.22	QP			
3		545.0700	28.68	-5.70	22.98	46.00	-23.02	QP			
4		746.8300	27.27	-2.06	25.21	46.00	-20.79	QP			
5		860.3200	27.02	-0.35	26.67	46.00	-19.33	QP			
6		916.5800	26.71	0.31	27.02	46.00	-18.98	QP			

\*:Maximum data    x:Over limit    !:over margin

Operator: MATIN

File :TUV 2017\Data :#150

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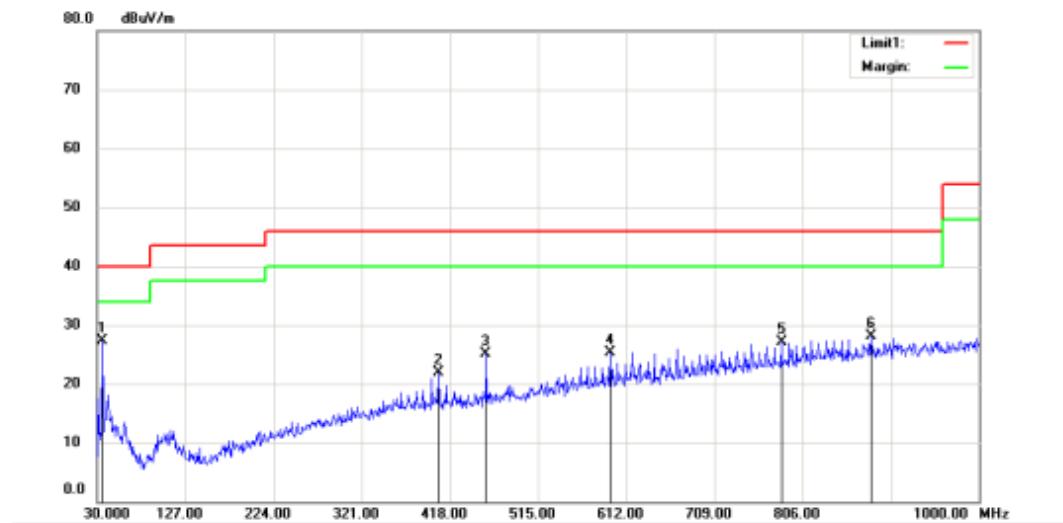
EMTEK  
Access to the World

Radiated Emission Measurement

File : TUV 2017

Data #: 151

Date: 2017/06/02



Site 3m Chamber #2

Polarization: Horizontal

Temperature: 22 C

Limit: ( RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 55 %

EUT:Smart Monitoring Companion

M/N: MBP162

Mode:TX g 2437

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB	Over Detector	Antenna Height cm	Table Degree	Comment
1	*	35.8200	43.81	-16.45	27.36	40.00	-12.64	QP		
2		405.3900	30.37	-8.39	21.98	46.00	-24.02	QP		
3		457.7700	32.94	-7.76	25.18	46.00	-20.82	QP		
4		594.5400	29.82	-4.57	25.25	46.00	-20.75	QP		
5		782.7200	28.40	-1.39	27.01	46.00	-18.99	QP		
6		881.6600	28.25	-0.10	28.15	46.00	-17.85	QP		

\*:Maximum data    x:Over limit    !:over margin

Operator: MATIN

File : TUV 2017 Data #: 151

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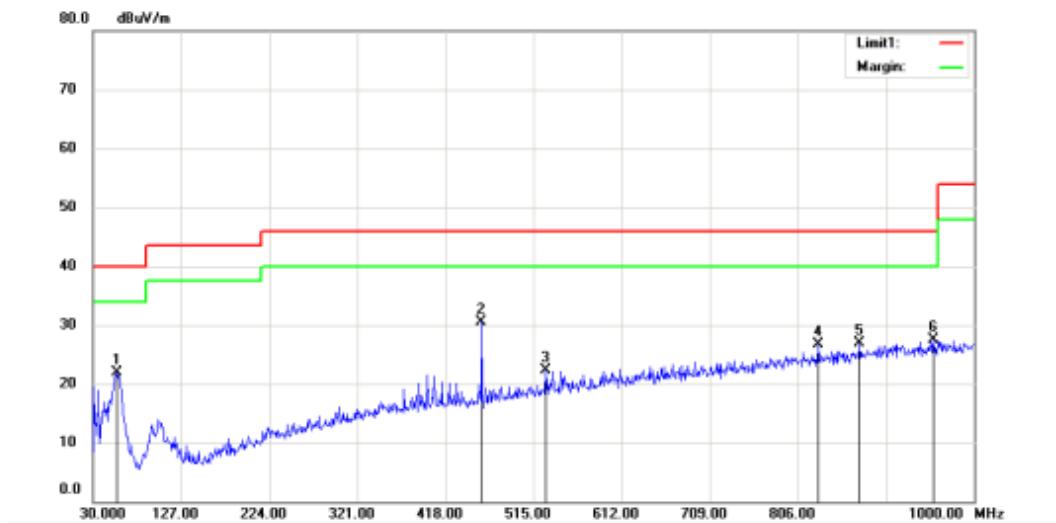


Radiated Emission Measurement

File :TUV 2017

Data :#152

Date: 2017/06/02



Site: 3m Chamber #2

Polarization: Vertical

Temperature: 22 C

Limit: ( RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 55 %

EUT:Smart Monitoring Companion

M/N: MBP162

Mode:TX g 2437

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	Antenna Height	Table Degree	Comment	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	
1		56.1900	36.61	-14.71	21.90	40.00	-18.10	QP			
2	*	457.7700	38.29	-7.76	30.53	46.00	-15.47	QP			
3		528.5800	28.37	-6.09	22.28	46.00	-23.72	QP			
4		828.3100	27.45	-0.74	26.71	46.00	-19.29	QP			
5		873.9000	27.10	-0.18	26.92	46.00	-19.08	QP			
6		955.3800	26.69	0.75	27.44	46.00	-18.56	QP			

\*:Maximum data x:Over limit !:over margin

Operator: MATIN

File :TUV 2017\Data :#152

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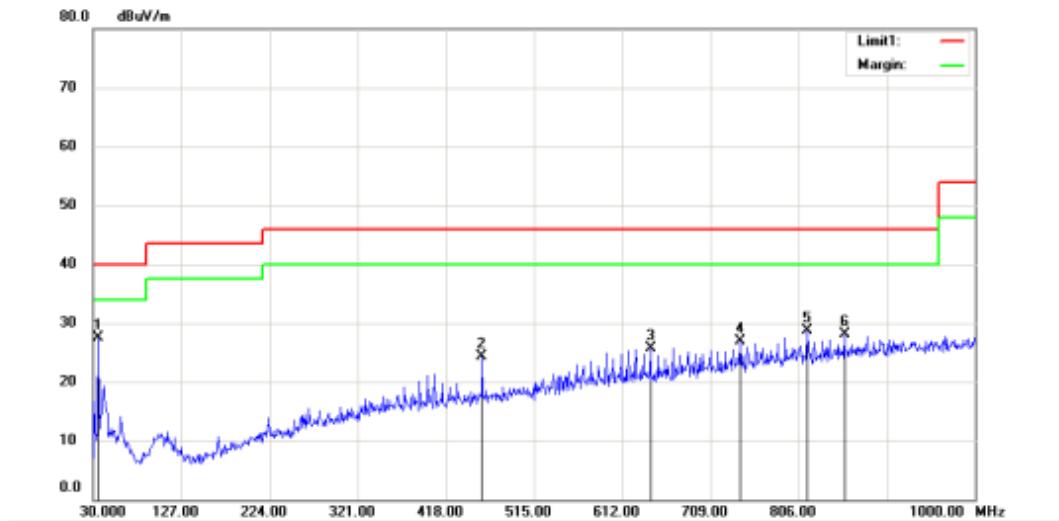


Radiated Emission Measurement

File : TUV 2017

Data #: 153

Date: 2017/06/02



Site: 3m Chamber #2

Polarization: Horizontal

Temperature: 22 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 55 %

EUT: Smart Monitoring Companion

M/N: MBP162

Mode: TX g 2462

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB	Over Detector	Antenna Height cm	Table Degree	Comment
1	*	35.8200	43.90	-16.45	27.45	40.00	-12.55	QP		
2		457.7700	32.09	-7.76	24.33	46.00	-21.67	QP		
3		643.0400	29.55	-3.78	25.77	46.00	-20.23	QP		
4		741.9800	28.97	-2.14	26.83	46.00	-19.17	QP		
5		815.7000	29.52	-0.89	28.63	46.00	-17.37	QP		
6		856.4400	28.59	-0.40	28.19	46.00	-17.81	QP		

\*:Maximum data    x:Over limit    !:over margin

Operator: MATIN

File : TUV 2017 Data #: 153

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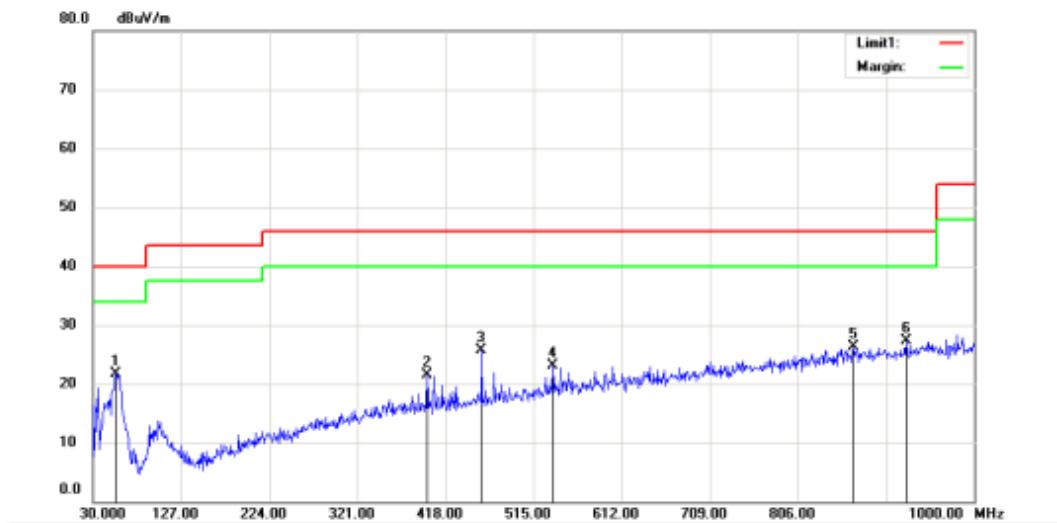


Radiated Emission Measurement

File :TUV 2017

Data #:154

Date: 2017/06/02



Site: 3m Chamber #2

Polarization: Vertical

Temperature: 22 C

Limit: ( RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 55 %

EUT:Smart Monitoring Companion

M/N: MBP162

Mode:TX g 2462

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	Antenna Height	Table Degree	Comment	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	
1	*	55.2200	35.81	-14.20	21.61	40.00	-18.39	QP			
2		397.6300	30.06	-8.50	21.56	46.00	-24.44	QP			
3		457.7700	33.46	-7.76	25.70	46.00	-20.30	QP			
4		536.3400	28.94	-5.91	23.03	46.00	-22.97	QP			
5		867.1100	26.61	-0.27	26.34	46.00	-19.66	QP			
6		925.3100	26.87	0.41	27.28	46.00	-18.72	QP			

\*:Maximum data    x:Over limit    !:over margin

Operator: MATIN

File :TUV 2017\Data :\#154

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1GHz - 18GHz

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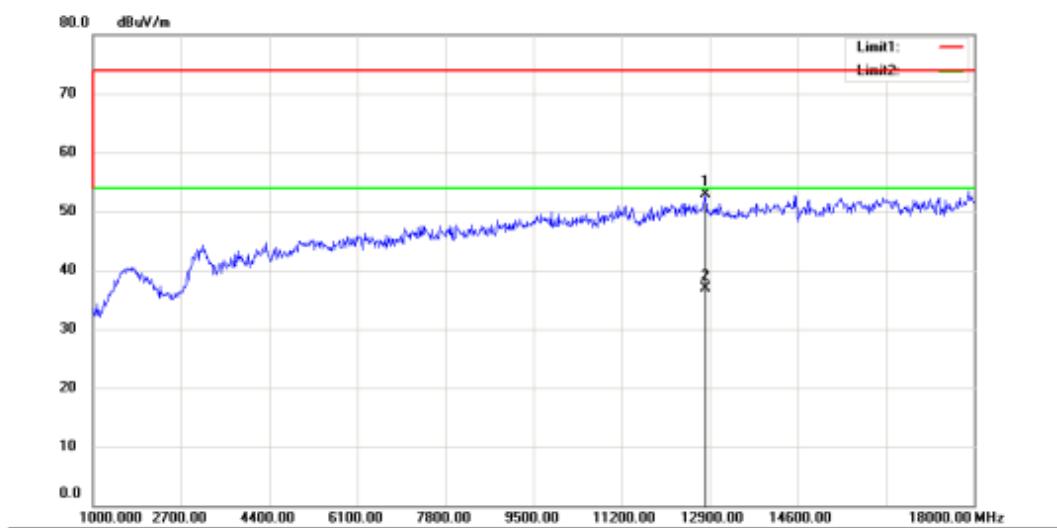


Radiated Emission Measurement

File : TUV 2017

Data : #1624

Date: 2017/06/26



Site 3m Chamber #2

Polarization: Horizontal

Temperature: 22 C

Limit: ( RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 55 %

EUT:Smart Monitoring Companion

M/N: MBP162

Mode:TX g 2412

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		12815.00	57.56	-4.74	52.82	74.00	-21.18	peak		
2	*	12815.00	41.64	-4.74	36.90	54.00	-17.10	AVG		

\*:Maximum data x:Over limit !:over margin

Operator: KK

File : TUV 2017\Data :#1624

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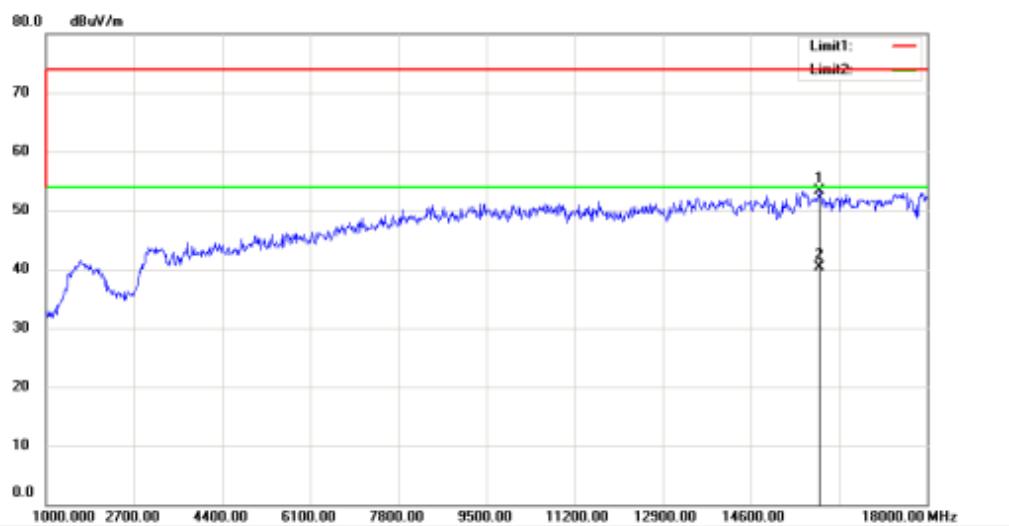


Radiated Emission Measurement

File :TUV 2017

Data #:1625

Date: 2017/06/26



Site: 3m Chamber #2

Polarization: Vertical

Temperature: 22 C

Limit: ( RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 55 %

EUT:Smart Monitoring Companion

M/N: MBP162

Mode:TX g 2412

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		15926.00	59.54	-6.26	53.28	74.00	-20.72	peak		
2	*	15926.00	46.56	-6.26	40.30	54.00	-13.70	AVG		

\*:Maximum data x:Over limit !:over margin

Operator: KK

File :TUV 2017\Data #:1625

Page: 1

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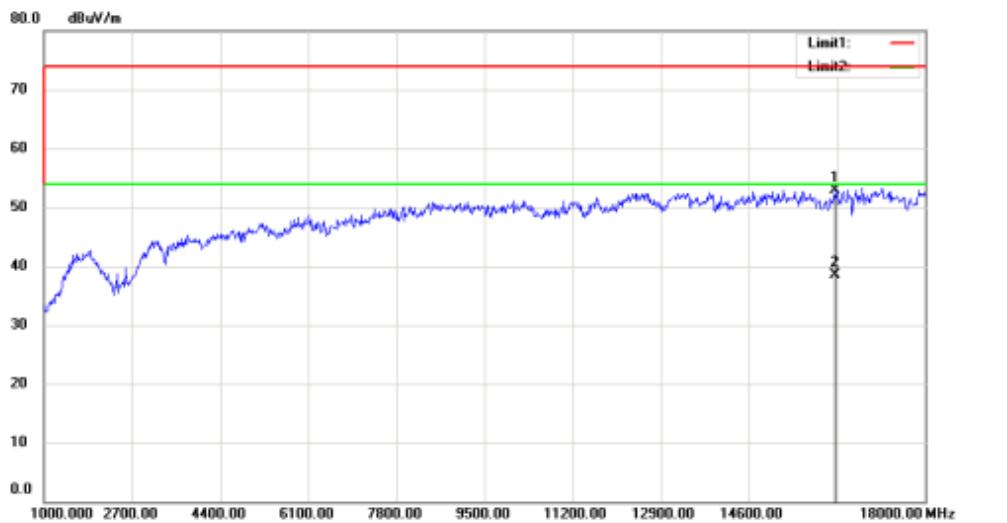


Radiated Emission Measurement

File : TUV 2017

Data #: 1627

Date: 2017/06/26



Site: 3m Chamber #2

Polarization: Horizontal

Temperature: 22 °C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 55 %

EUT: Smart Monitoring Companion

M/N: MBP162

Mode: TX g 2437

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	Antenna Height	Table Degree	Comment	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	
1		16266.00	58.00	-5.02	52.98	74.00	-21.02	peak			
2	*	16266.00	43.52	-5.02	38.50	54.00	-15.50	AVG			

\*:Maximum data    x:Over limit    !:over margin

Operator: KK

File : TUV 2017\ Data #: 1627

Page: 1

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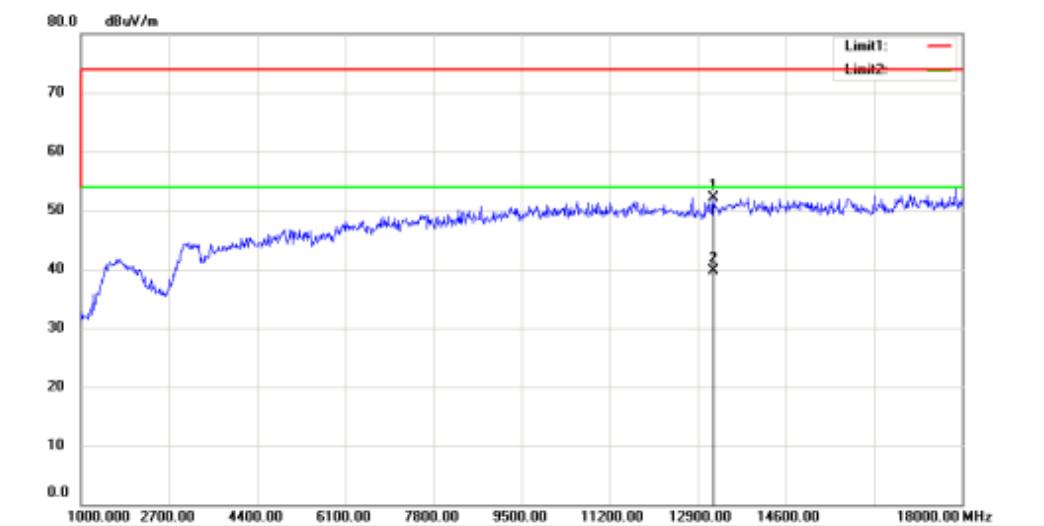


Radiated Emission Measurement

File : TUV 2017

Data #: 1626

Date: 2017/06/26



Site: 3m Chamber #2 Polarization: Vertical Temperature: 22 C

Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 55 %

EUT:Smart Monitoring Companion

M/N: MBP162

Mode:TX g 2437

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	Comment	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	
1		13206.00	56.24	-4.09	52.15	74.00	-21.85	peak			
2	*	13206.00	43.89	-4.09	39.80	54.00	-14.20	AVG			

\*:Maximum data x:Over limit !:over margin

Operator: KK

File : TUV 2017\ Data #: 1626

Page: 1

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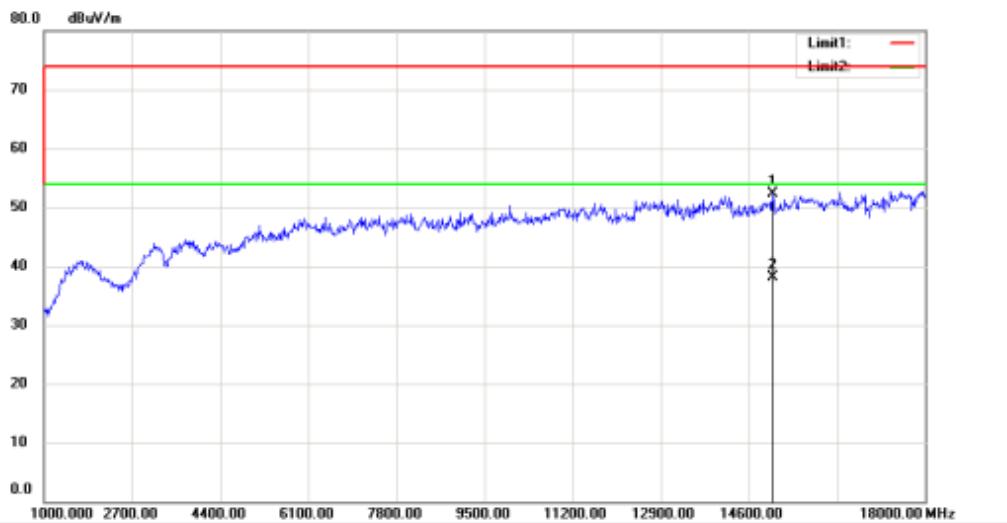


Radiated Emission Measurement

File : TUV 2017

Data #: 1628

Date: 2017/06/26



Site: 3m Chamber #2

Polarization: **Horizontal**

Temperature: 22 °C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 55 %

EUT: Smart Monitoring Companion

M/N: MBP162

Mode: TX g 2462

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		15059.00	55.30	-2.91	52.39	74.00	-21.61	peak		
2	*	15059.00	41.11	-2.91	38.20	54.00	-15.80	AVG		

\*:Maximum data    x:Over limit    !:over margin

Operator: KK

File : TUV 2017\Data #: 1628

Page: 1

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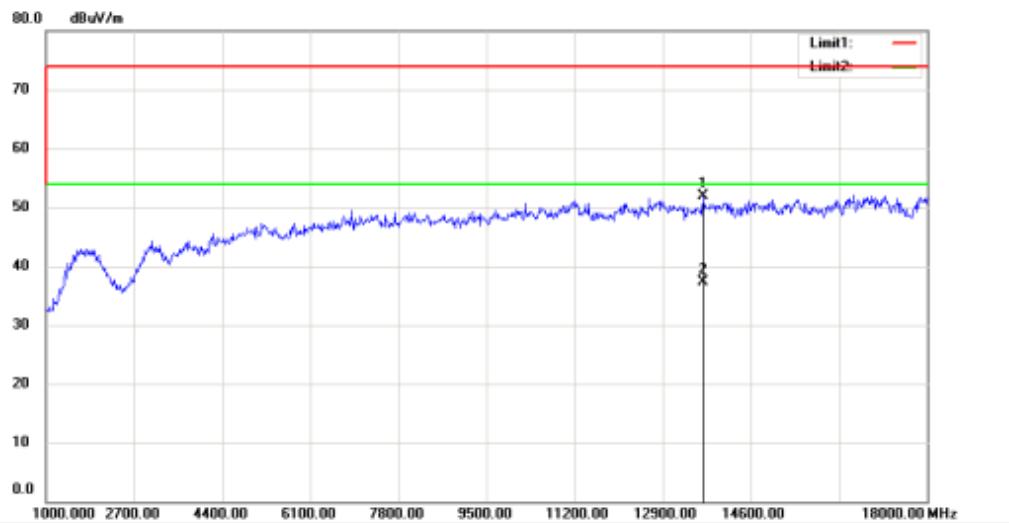


Radiated Emission Measurement

File : TUV 2017

Data #: 1629

Date: 2017/06/26



Site: 3m Chamber #2

Polarization: Vertical

Temperature: 22 °C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 55 %

EUT:Smart Monitoring Companion

M/N: MBP162

Mode:TX g 2462

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	Antenna Height	Table Degree	Comment	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	
1		13682.00	53.90	-2.04	51.86	74.00	-22.14	peak			
2	*	13682.00	39.44	-2.04	37.40	54.00	-16.60	AVG			

\*:Maximum data x:Over limit !:over margin

Operator: KK

File : TUV 2017\ Data #: 1629

Page: 1

Wi-Fi 802.11 n(HT20) mode, MCS0  
30MHz - 1GHz

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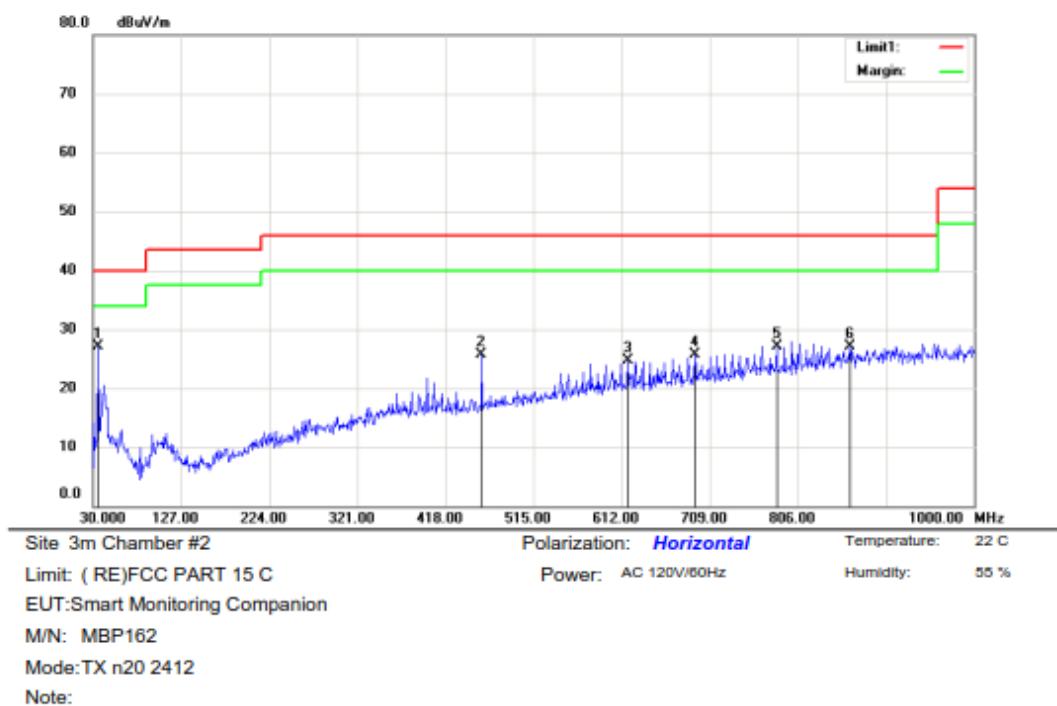


Radiated Emission Measurement

File : TUV 2017

Data #: 155

Date: 2017/06/02



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dB	Detector	cm	degree	
1	*	35.8200	43.61	-16.45	27.16	40.00	-12.84	QP		
2		457.7700	33.48	-7.76	25.72	46.00	-20.28	QP		
3		618.7900	28.92	-4.15	24.77	46.00	-21.23	QP		
4		692.5100	28.64	-3.01	25.63	46.00	-20.37	QP		
5		782.7200	28.58	-1.39	27.19	46.00	-18.81	QP		
6		863.2300	27.41	-0.31	27.10	46.00	-18.90	QP		

\*:Maximum data    x:Over limit    !:over margin

Operator: MATIN

File : TUV 2017\ Data #: 155

Page: 1

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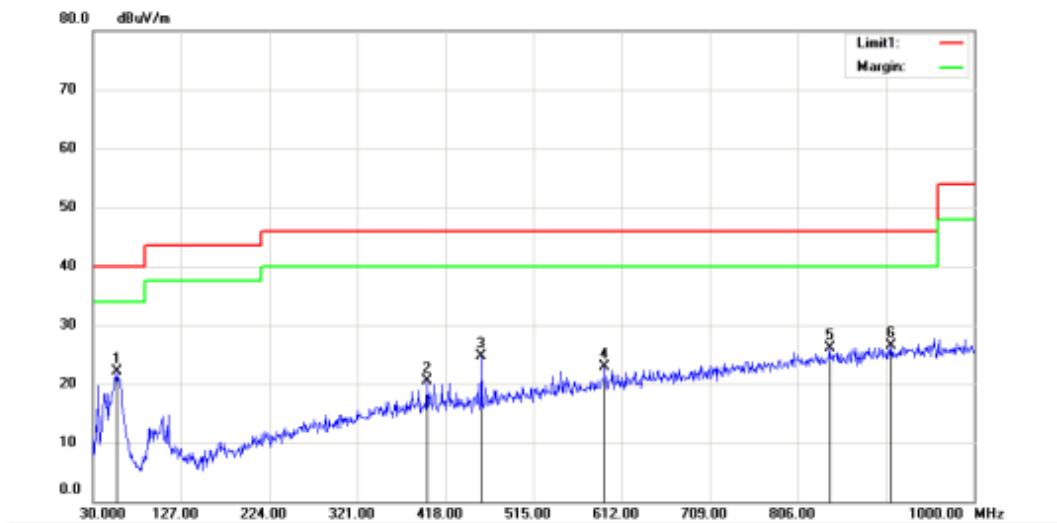


Radiated Emission Measurement

File :TUV 2017

Data #:156

Date: 2017/06/02



Site 3m Chamber #2

Polarization: Vertical

Temperature: 22 C

Limit: ( RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 55 %

EUT:Smart Monitoring Companion

M/N: MBP162

Mode:TX n20 2412

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	Antenna Height	Table Degree	Comment	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	
1	*	56.1900	36.91	-14.71	22.20	40.00	-17.80	QP			
2		397.6300	29.05	-8.50	20.55	46.00	-25.45	QP			
3		457.7700	32.54	-7.76	24.78	46.00	-21.22	QP			
4		593.5700	27.40	-4.59	22.81	46.00	-23.19	QP			
5		840.9200	26.71	-0.58	26.13	46.00	-19.87	QP			
6		908.8200	26.21	0.24	26.45	46.00	-19.55	QP			

\*:Maximum data    x:Over limit    !:over margin

Operator: MATIN

File :TUV 2017\Data :\#156

Page: 1

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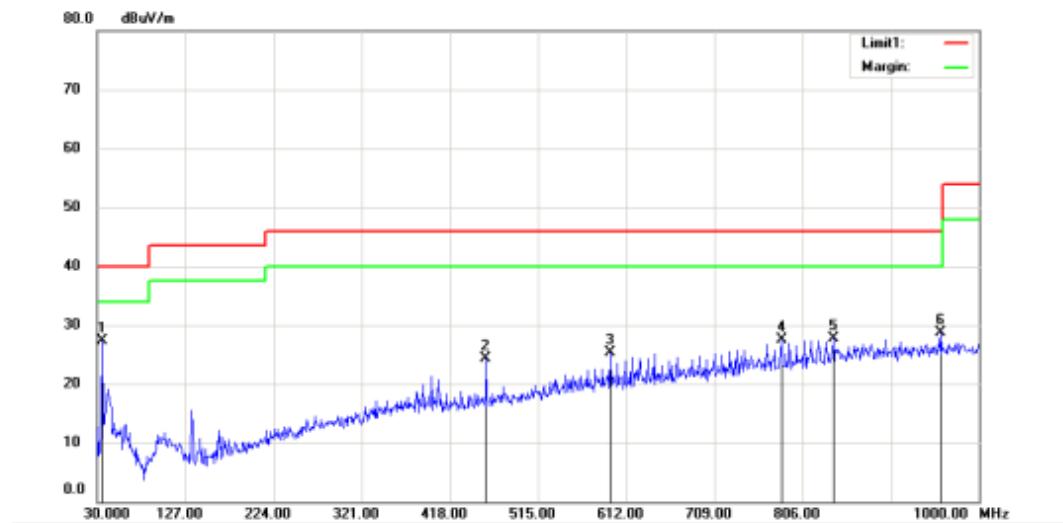
EMTEK  
Access to the World

Radiated Emission Measurement

File : TUV 2017

Data #: 157

Date: 2017/06/02



Site: 3m Chamber #2

Polarization: Horizontal

Temperature: 22 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 55 %

EUT: Smart Monitoring Companion

M/N: MBP162

Mode: TX n20 2437

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	Comment	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	
1	*	35.8200	43.82	-16.45	27.37	40.00	-12.63	QP			
2		457.7700	32.10	-7.76	24.34	46.00	-21.66	QP			
3		594.5400	29.86	-4.57	25.29	46.00	-20.71	QP			
4		782.7200	28.94	-1.39	27.55	46.00	-18.45	QP			
5		839.9500	28.39	-0.59	27.80	46.00	-18.20	QP			
6		958.2900	27.93	0.79	28.72	46.00	-17.28	QP			

\*:Maximum data    x:Over limit    !:over margin

Operator: MATIN

File : TUV 2017 Data #: 157

Page: 1

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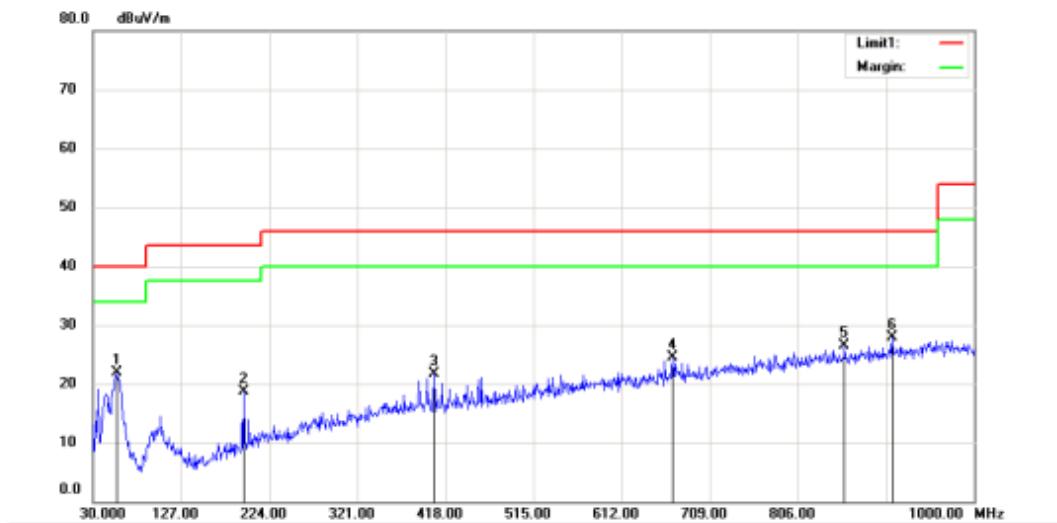


Radiated Emission Measurement

File :TUV 2017

Data #:158

Date: 2017/06/02



Site: 3m Chamber #2

Polarization: Vertical

Temperature: 22 C

Limit: ( RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 55 %

EUT:Smart Monitoring Companion

M/N: MBP162

Mode:TX n20 2437

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	Antenna Height	Table Degree	Comment	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	
1		56.1900	36.58	-14.71	21.87	40.00	-18.13	QP			
2		195.8700	34.29	-15.54	18.75	43.50	-24.75	QP			
3		405.3900	30.01	-8.39	21.62	46.00	-24.38	QP			
4		668.2600	27.86	-3.39	24.47	46.00	-21.53	QP			
5		857.4100	26.79	-0.38	26.41	46.00	-19.59	QP			
6	*	909.7900	27.71	0.25	27.96	46.00	-18.04	QP			

\*:Maximum data    x:Over limit    !:over margin

Operator: MATIN

File :TUV 2017\Data :\#158

Page: 1

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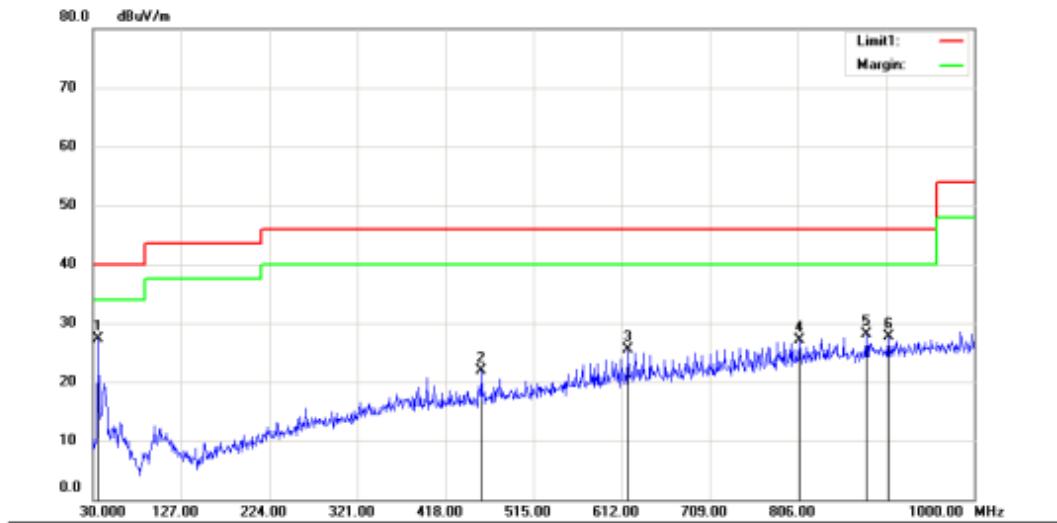


Radiated Emission Measurement

File :TUV 2017

Data :#159

Date: 2017/06/02



Site 3m Chamber #2

Polarization: Horizontal

Temperature: 22 C

Limit: ( RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 55 %

EUT:Smart Monitoring Companion

M/N: MBP162

Mode:TX n20 2462

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	Antenna Height	Table Degree	Comment	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	
1	*	35.8200	43.70	-16.45	27.25	40.00	-12.75	QP			
2		457.7700	29.65	-7.76	21.89	46.00	-24.11	QP			
3		618.7900	29.56	-4.15	25.41	46.00	-20.59	QP			
4		807.9400	28.14	-0.98	27.16	46.00	-18.84	QP			
5		881.6600	28.19	-0.10	28.09	46.00	-17.91	QP			
6		905.9100	27.45	0.20	27.65	46.00	-18.35	QP			

\*:Maximum data x:Over limit !:over margin

Operator: MATIN

File :TUV 2017\Data :#159

Page: 1

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Radiated Emission Measurement

File :TUV 2017

Data #:160

Date: 2017/06/02



Site 3m Chamber #2

Polarization: Vertical

Temperature: 22 C

Limit: ( RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 55 %

EUT:Smart Monitoring Companion

M/N: MBP162

Mode:TX n20 2462

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	Antenna Height	Table Degree	Comment	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	
1	*	56.1900	36.77	-14.71	22.06	40.00	-17.94	QP			
2		397.6300	29.66	-8.50	21.16	46.00	-24.84	QP			
3		457.7700	30.79	-7.76	23.03	46.00	-22.97	QP			
4		777.8700	26.69	-1.48	25.21	46.00	-20.79	QP			
5		871.9600	26.56	-0.21	26.35	46.00	-19.65	QP			
6		960.2300	27.54	0.80	28.34	54.00	-25.66	QP			

\*:Maximum data x:Over limit !:over margin

Operator: MATIN

File :TUV 2017\Data :#160

Page: 1

1GHz - 18GHz

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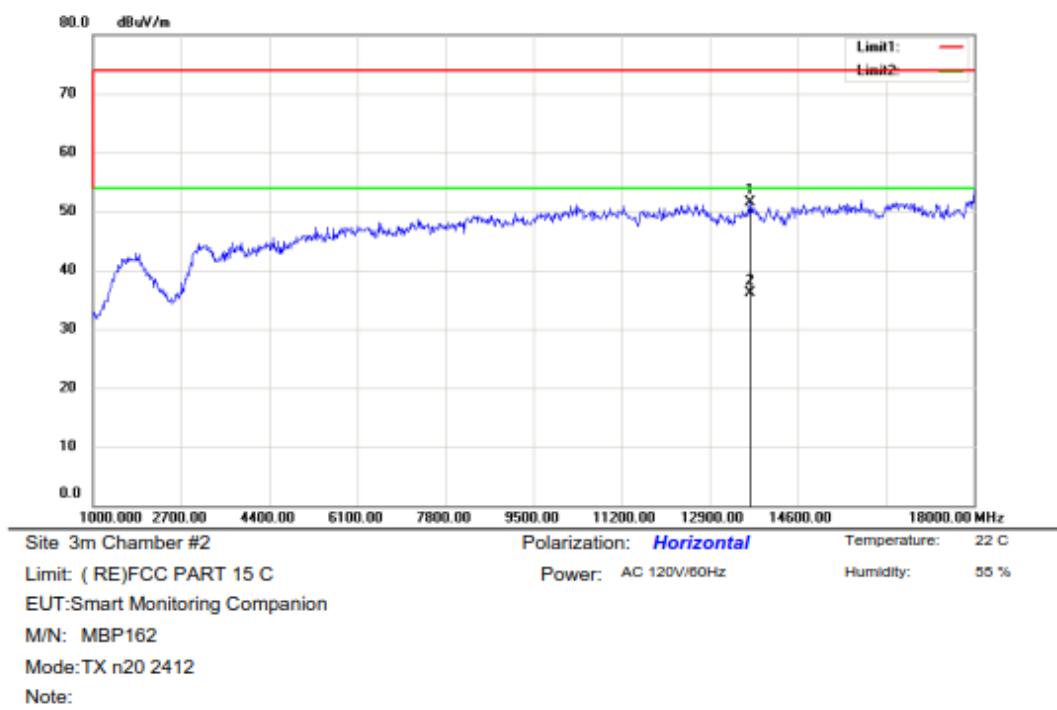


Radiated Emission Measurement

File : TUV 2017

Data : #1631

Date: 2017/06/26



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		13682.00	53.47	-2.04	51.43	74.00	-22.57	peak		
2	*	13682.00	38.24	-2.04	36.20	54.00	-17.80	AVG		

\*:Maximum data    x:Over limit    !:over margin

Operator: KK

File : TUV 2017\Data : #1631

Page: 1

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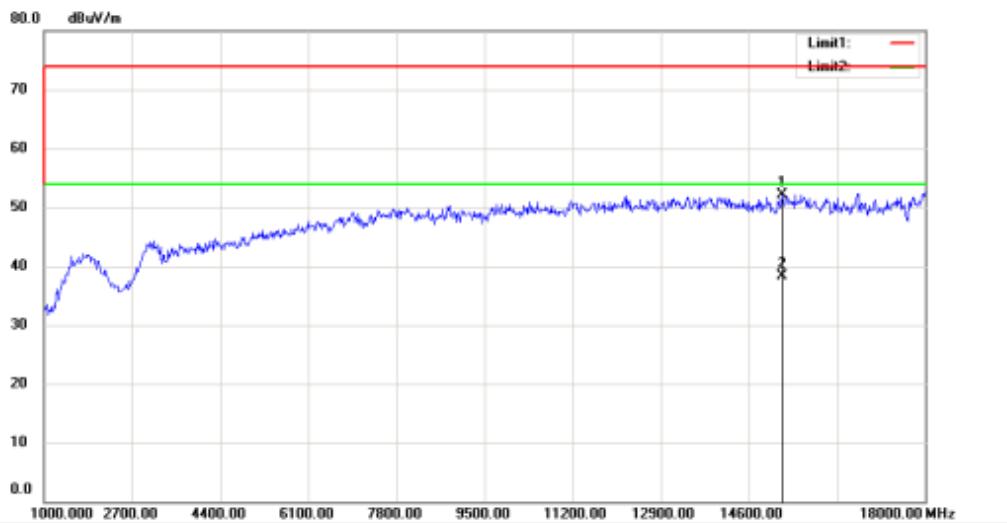


Radiated Emission Measurement

File : TUV 2017

Data #: 1630

Date: 2017/06/26



Site: 3m Chamber #2

Polarization: Vertical

Temperature: 22 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 55 %

EUT:Smart Monitoring Companion

M/N: MBP162

Mode: TX n20 2412

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	Antenna Height	Table Degree	Comment	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	
1		15246.00	55.81	-3.63	52.18	74.00	-21.82	peak			
2	*	15246.00	41.93	-3.63	38.30	54.00	-15.70	AVG			

\*:Maximum data x:Over limit !:over margin

Operator: KK

File : TUV 2017\ Data #: 1630

Page: 1

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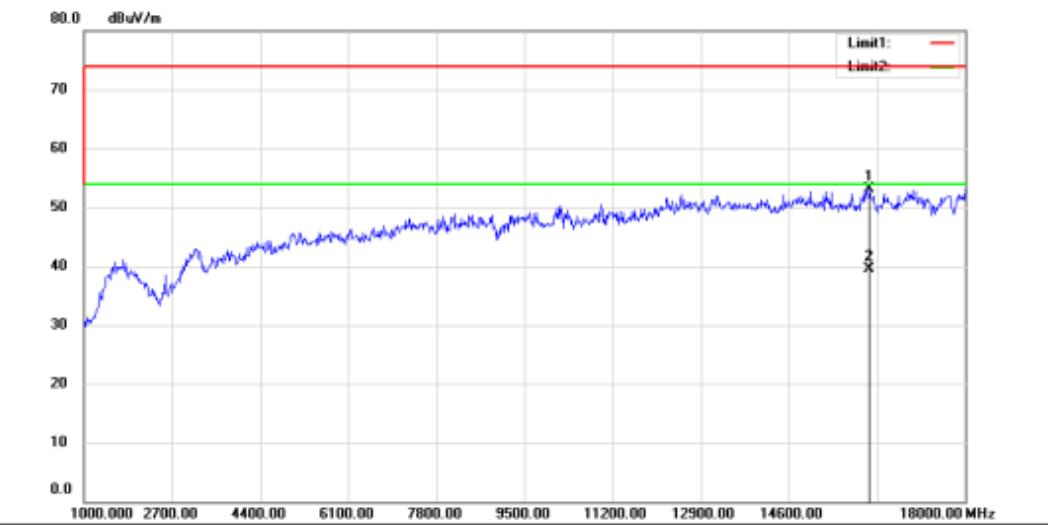


Radiated Emission Measurement

File : TUV 2017

Data #: 1632

Date: 2017/06/26



Site: 3m Chamber #2

Polarization: Horizontal

Temperature: 22 °C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 55 %

EUT: Smart Monitoring Companion

M/N: MBP162

Mode: TX n20 2437

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	Antenna Height	Table Degree	Comment	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	
1		16147.00	58.71	-5.70	53.01	74.00	-20.99	peak			
2	*	16147.00	45.20	-5.70	39.50	54.00	-14.50	AVG			

\*:Maximum data x:Over limit !:over margin

Operator: KK

File : TUV 2017\ Data #: 1632

Page: 1

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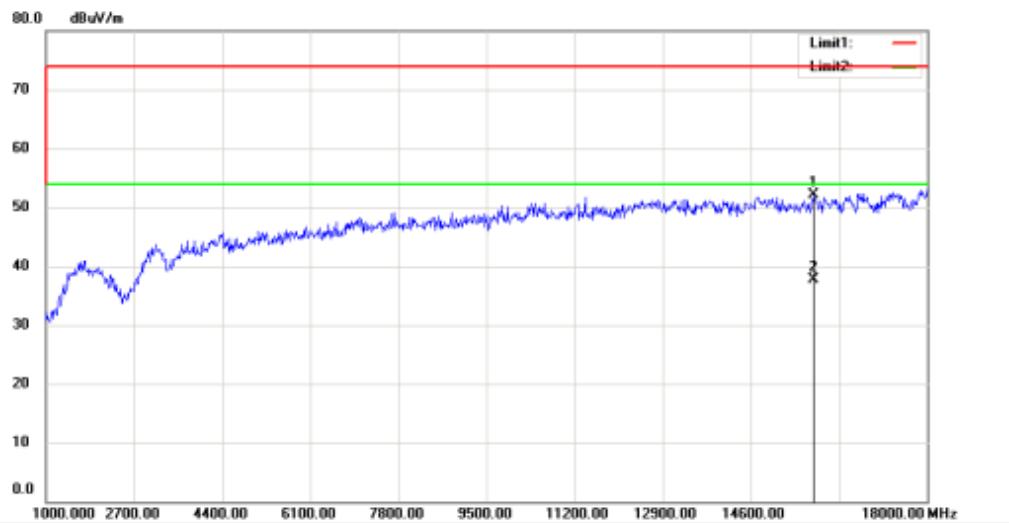


Radiated Emission Measurement

File : TUV 2017

Data #: 1633

Date: 2017/06/26



Site: 3m Chamber #2

Polarization: Vertical

Temperature: 22 °C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 55 %

EUT: Smart Monitoring Companion

M/N: MBP162

Mode: TX n20 2437

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		15807.00	57.86	-5.79	52.07	74.00	-21.93	peak		
2	*	15807.00	43.59	-5.79	37.80	54.00	-16.20	AVG		

\*:Maximum data    x:Over limit    !:over margin

Operator: KK

File : TUV 2017\ Data #: 1633

Page: 1

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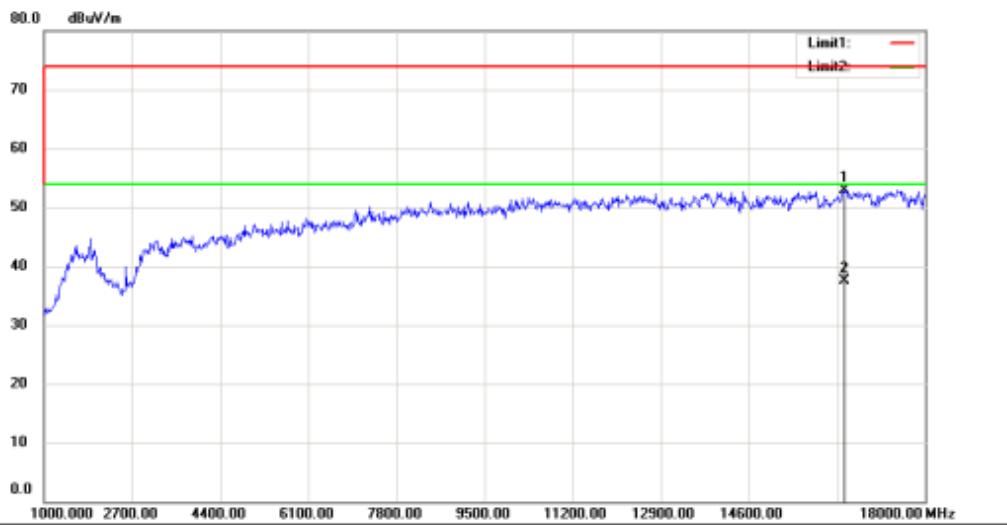
  
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Radiated Emission Measurement

File : TUV 2017

Data #: 1635

Date: 2017/06/26



Site: 3m Chamber #2 Polarization: Horizontal Temperature: 22 °C

Limit: ( RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 55 %

EUT:Smart Monitoring Companion

M/N: MBP162

Mode:TX n20 2462

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	Antenna Height	Table Degree	Comment	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	
1		16453.00	56.93	-3.95	52.98	74.00	-21.02	peak			
2	*	16453.00	41.45	-3.95	37.50	54.00	-16.50	AVG			

\*:Maximum data x:Over limit !:over margin

Operator: KK

File : TUV 2017\ Data #: 1635

Page: 1

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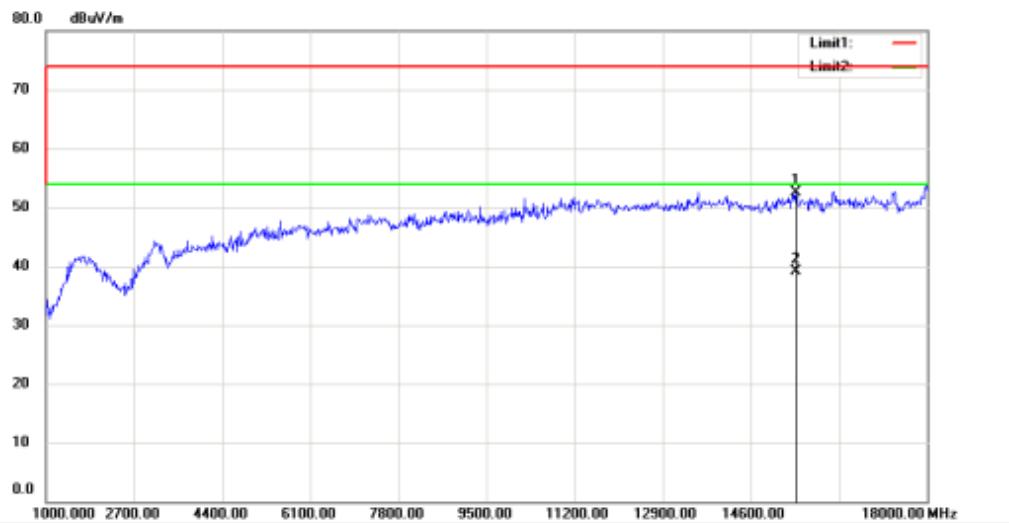


Radiated Emission Measurement

File : TUV 2017

Data #: 1634

Date: 2017/06/26



Site: 3m Chamber #2

Polarization: Vertical

Temperature: 22 °C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 55 %

EUT: Smart Monitoring Companion

M/N: MBP162

Mode: TX n20 2462

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		15467.00	56.94	-4.48	52.46	74.00	-21.54	peak		
2	*	15467.00	43.58	-4.48	39.10	54.00	-14.90	AVG		

\*:Maximum data    x:Over limit    !:over margin

Operator: KK

File : TUV 2017\ Data #: 1634

Page: 1

Wi-Fi 802.11 n(HT40) mode, MCS0  
30MHz - 1GHz

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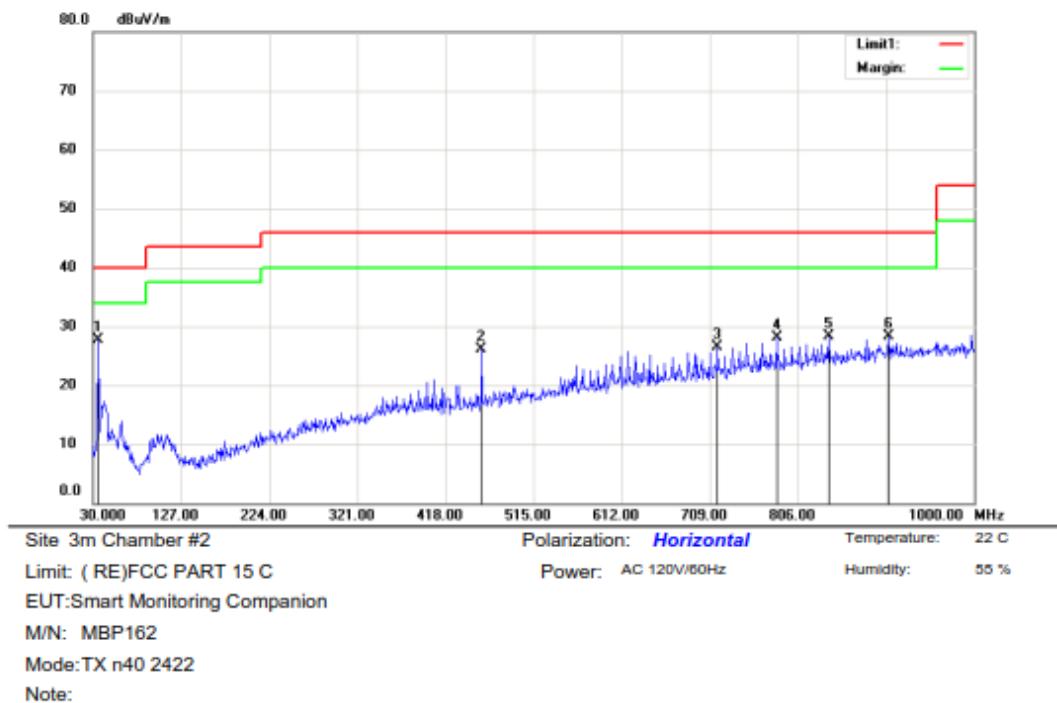
  
Access to the World

Radiated Emission Measurement

File : TUV 2017

Data : #161

Date: 2017/06/02



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Antenna Height cm	Table Degree degree	Comment
1	*	35.8200	44.10	-16.45	27.65	40.00	-12.35	QP			
2		457.7700	33.88	-7.76	26.12	46.00	-19.88	QP			
3		717.7300	29.07	-2.58	26.49	46.00	-19.51	QP			
4		782.7200	29.54	-1.39	28.15	46.00	-17.85	QP			
5		839.9500	28.84	-0.59	28.25	46.00	-17.75	QP			
6		905.9100	28.07	0.20	28.27	46.00	-17.73	QP			

\*:Maximum data    x:Over limit    !:over margin

Operator: MATIN

File : TUV 2017\Data : #161

Page: 1

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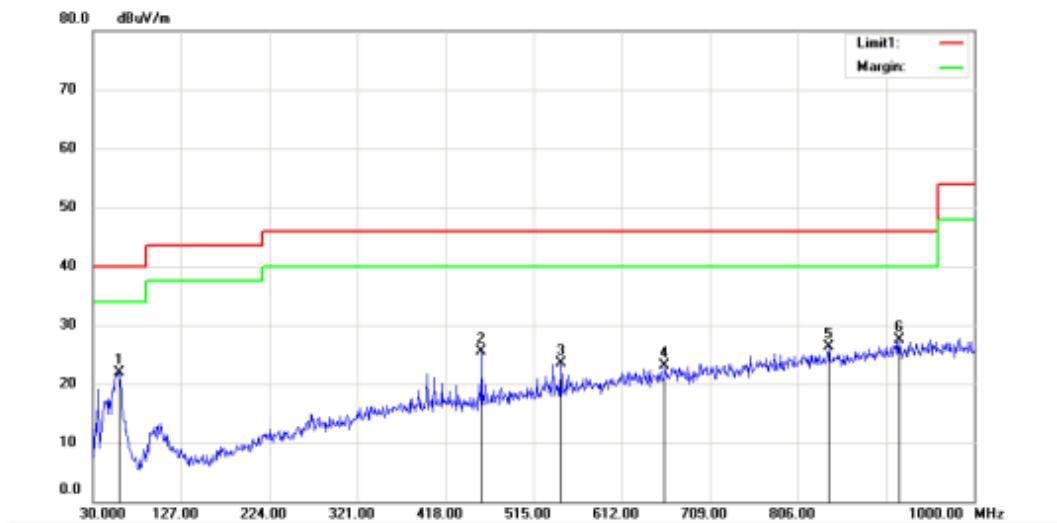


Radiated Emission Measurement

File :TUV 2017

Data :#162

Date: 2017/06/02



Site 3m Chamber #2

Polarization: Vertical

Temperature: 22 C

Limit: ( RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 55 %

EUT:Smart Monitoring Companion

M/N: MBP162

Mode:TX n40 2422

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	Antenna Height	Table Degree	Comment	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	
1	*	59.1000	37.69	-15.85	21.84	40.00	-18.16	QP			
2		457.7700	33.31	-7.76	25.55	46.00	-20.45	QP			
3		545.0700	29.19	-5.70	23.49	46.00	-22.51	QP			
4		659.5300	26.57	-3.52	23.05	46.00	-22.95	QP			
5		839.9500	26.94	-0.59	26.35	46.00	-19.65	QP			
6		917.5500	27.07	0.34	27.41	46.00	-18.59	QP			

\*:Maximum data x:Over limit !:over margin

Operator: MATIN

File :TUV 2017\Data :#162

Page: 1

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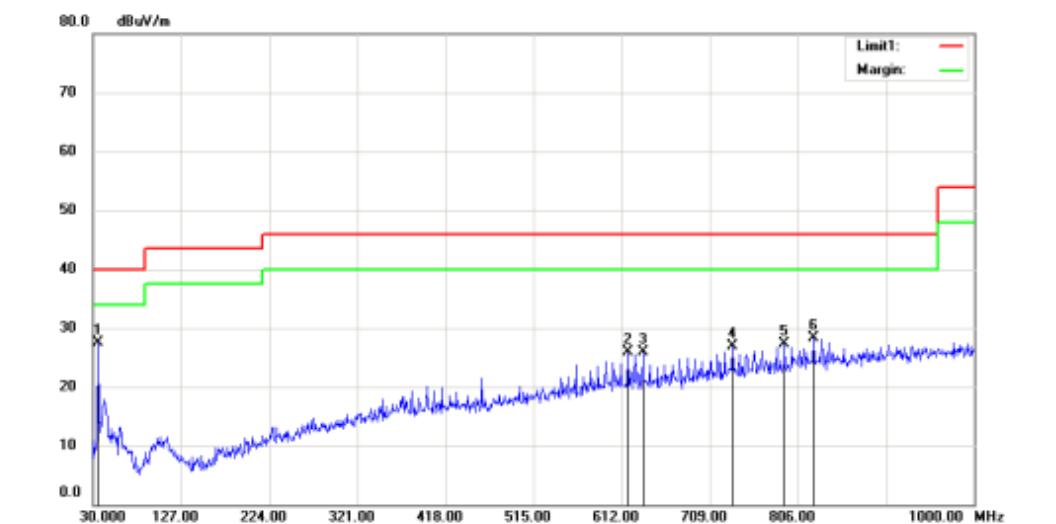


Radiated Emission Measurement

File :TUV 2017

Data :#163

Date: 2017/06/02



Site 3m Chamber #2

Polarization: Horizontal

Temperature: 22 C

Limit: ( RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 55 %

EUT:Smart Monitoring Companion

M/N: MBP162

Mode:TX n40 2437

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	Antenna Height	Table Degree	Comment	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	
1	*	35.8200	43.96	-16.45	27.51	40.00	-12.49	QP			
2		618.7900	30.07	-4.15	25.92	46.00	-20.08	QP			
3		635.2800	29.81	-3.90	25.91	46.00	-20.09	QP			
4		734.2200	29.20	-2.29	26.91	46.00	-19.09	QP			
5		791.4500	28.47	-1.24	27.23	46.00	-18.77	QP			
6		823.4600	29.07	-0.79	28.28	46.00	-17.72	QP			

\*:Maximum data x:Over limit !:over margin

Operator: MATIN

File :TUV 2017\Data :#163

Page: 1

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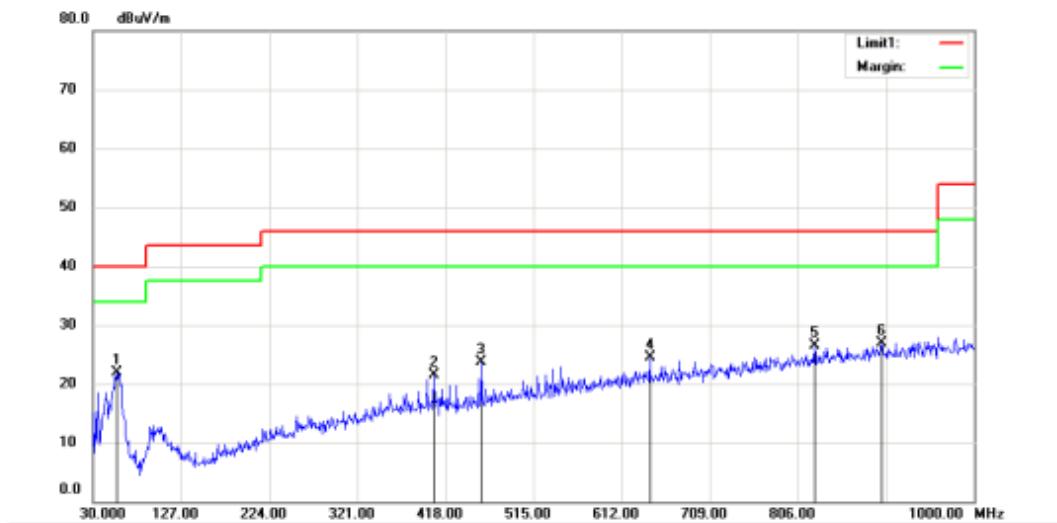


Radiated Emission Measurement

File :TUV 2017

Data #:164

Date: 2017/06/02



Site: 3m Chamber #2

Polarization: Vertical

Temperature: 22 C

Limit: ( RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 55 %

EUT:Smart Monitoring Companion

M/N: MBP162

Mode:TX n40 2437

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	Antenna Height	Table Degree	Comment	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	
1	*	56.1900	36.67	-14.71	21.96	40.00	-18.04	QP			
2		405.3900	29.92	-8.39	21.53	46.00	-24.47	QP			
3		457.7700	31.38	-7.76	23.62	46.00	-22.38	QP			
4		643.0400	28.24	-3.78	24.46	46.00	-21.54	QP			
5		824.4300	27.22	-0.78	26.44	46.00	-19.56	QP			
6		898.1500	26.73	0.11	26.84	46.00	-19.16	QP			

\*:Maximum data x:Over limit !:over margin

Operator: MATIN

File :TUV 2017\Data #:164

Page: 1

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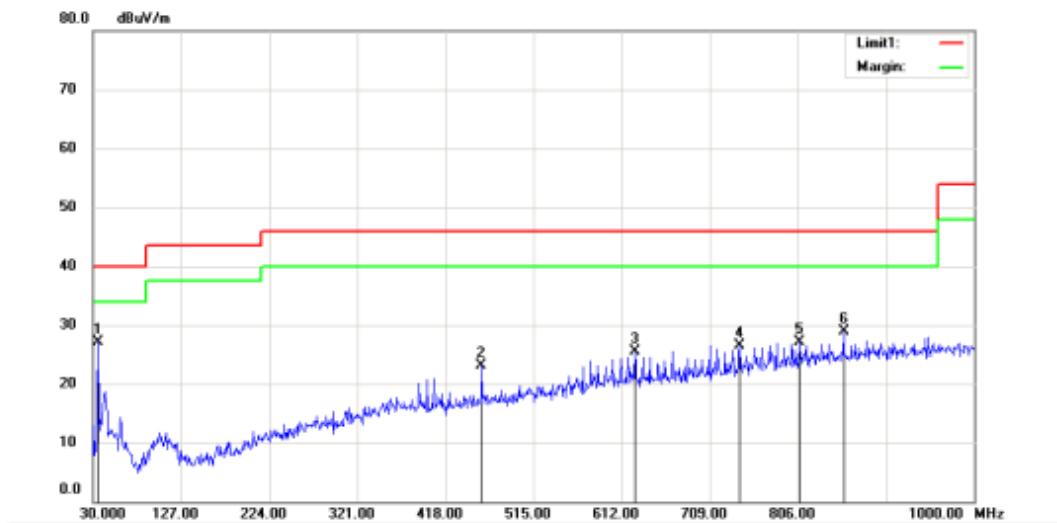


Radiated Emission Measurement

File :TUV 2017

Data :#165

Date: 2017/06/02



Site 3m Chamber #2

Polarization: Horizontal

Temperature: 22 C

Limit: ( RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 55 %

EUT:Smart Monitoring Companion

M/N: MBP162

Mode:TX n40 2452

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	Antenna Height	Table Degree	Comment	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	
1	*	35.8200	43.49	-16.45	27.04	40.00	-12.96	QP			
2		457.7700	30.79	-7.76	23.03	46.00	-22.97	QP			
3		626.5500	29.57	-4.03	25.54	46.00	-20.46	QP			
4		741.9800	28.71	-2.14	26.57	46.00	-19.43	QP			
5		807.9400	28.02	-0.98	27.04	46.00	-18.96	QP			
6		856.4400	29.25	-0.40	28.85	46.00	-17.15	QP			

\*:Maximum data    x:Over limit    !:over margin

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File :TUV 2017\Data :#165

Page: 1

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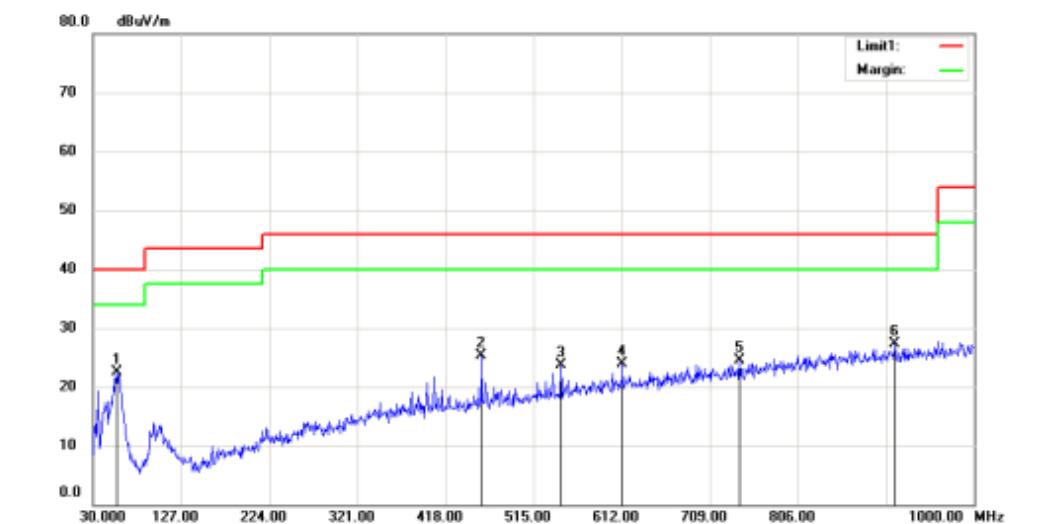


Radiated Emission Measurement

File :TUV 2017

Data #:166

Date: 2017/06/02



Site: 3m Chamber #2

Polarization: Vertical

Temperature: 22 C

Limit: ( RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 55 %

EUT:Smart Monitoring Companion

M/N: MBP162

Mode:TX n40 2452

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	Antenna Height	Table Degree	Comment	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	
1	*	56.1900	37.17	-14.71	22.46	40.00	-17.54	QP			
2		457.7700	33.11	-7.76	25.35	46.00	-20.65	QP			
3		545.0700	29.49	-5.70	23.79	46.00	-22.21	QP			
4		612.9700	28.21	-4.24	23.97	46.00	-22.03	QP			
5		741.9800	26.63	-2.14	24.49	46.00	-21.51	QP			
6		912.7000	27.07	0.28	27.35	46.00	-18.65	QP			

\*:Maximum data    x:Over limit    !:over margin

Operator: MATIN

File :TUV 2017\Data #:166

Page: 1

## 1GHz - 18GHz

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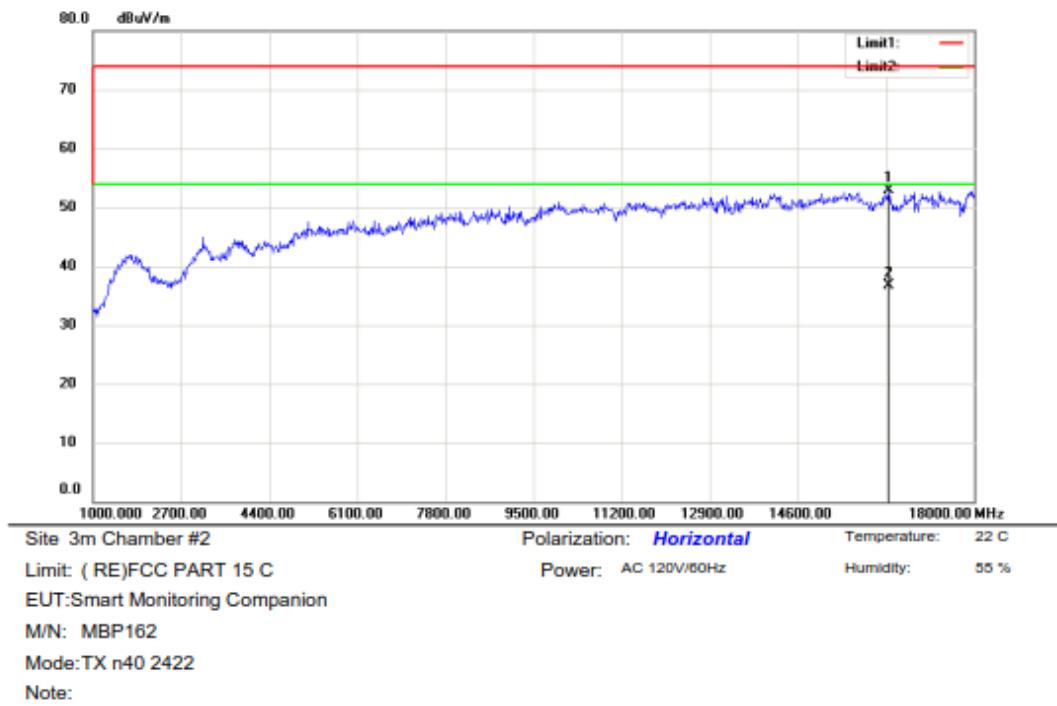


### Radiated Emission Measurement

File : TUV 2017

Data : #1636

Date: 2017/06/26



Site 3m Chamber #2

Polarization: Horizontal

Temperature: 22 C

Limit: ( RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 55 %

EUT:Smart Monitoring Companion

M/N: MBP162

Mode:TX n40 2422

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		16351.00	57.45	-4.54	52.91	74.00	-21.09	peak		
2	*	16351.00	41.34	-4.54	36.80	54.00	-17.20	AVG		

\*:Maximum data x:Over limit !:over margin

Operator: KK

File : TUV 2017\ Data : #1636

Page: 1

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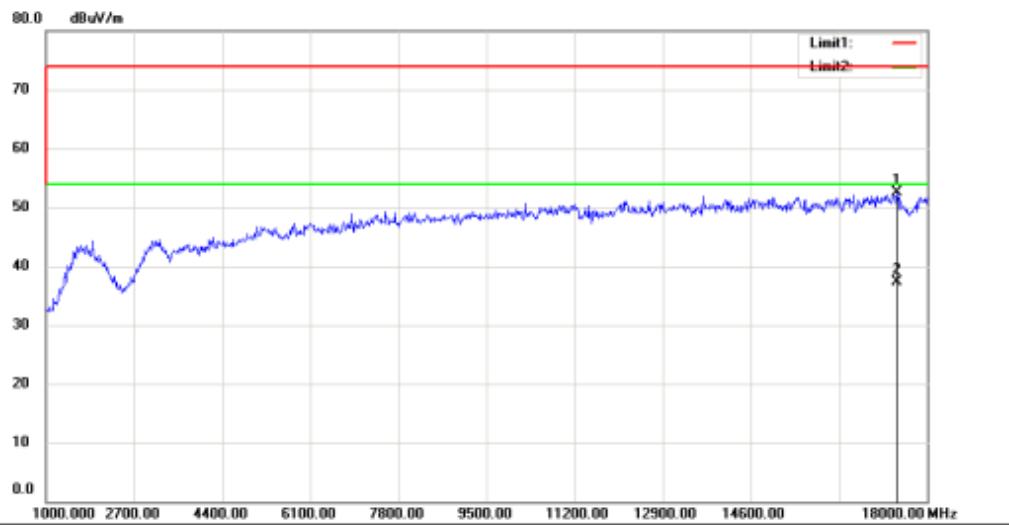


Radiated Emission Measurement

File : TUV 2017

Data #: 1637

Date: 2017/06/26



Site: 3m Chamber #2

Polarization: Vertical

Temperature: 22 °C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 55 %

EUT: Smart Monitoring Companion

M/N: MBP162

Mode: TX n40 2422

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		17422.00	52.82	-0.31	52.51	74.00	-21.49	peak		
2	*	17422.00	37.71	-0.31	37.40	54.00	-16.60	AVG		

\*:Maximum data x:Over limit !:over margin

Operator: KK

File : TUV 2017\Data #: 1637

Page: 1

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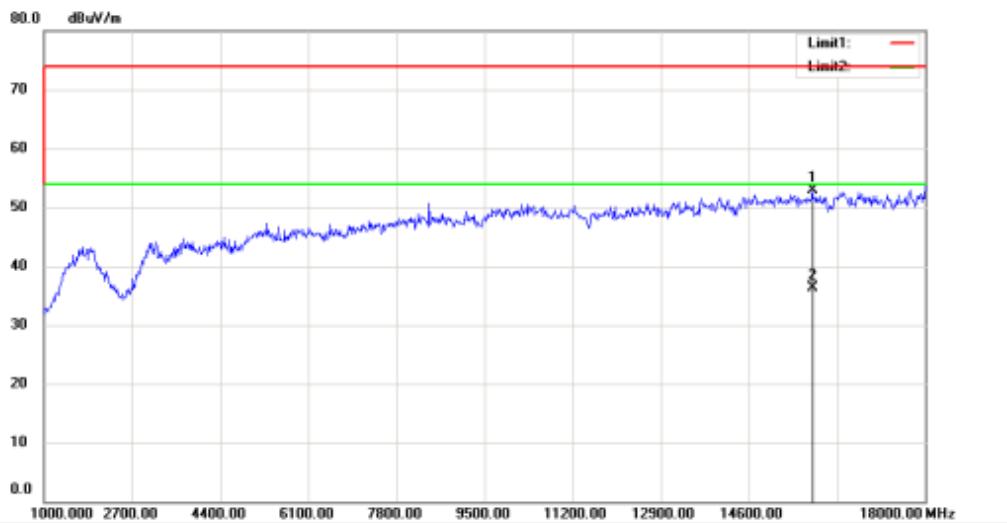
  
EMTEK Access to the World

Radiated Emission Measurement

File : TUV 2017

Data #: 1639

Date: 2017/06/26



Site: 3m Chamber #2

Polarization: Horizontal

Temperature: 22 °C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 55 %

EUT: Smart Monitoring Companion

M/N: MBP162

Mode: TX n40 2437

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	Antenna Height	Table Degree	Comment	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	
1		15824.00	58.78	-5.86	52.92	74.00	-21.08	peak			
2	*	15824.00	42.26	-5.86	36.40	54.00	-17.60	AVG			

\*:Maximum data    x:Over limit    !:over margin

Operator: KK

File : TUV 2017\Data #: 1639

Page: 1

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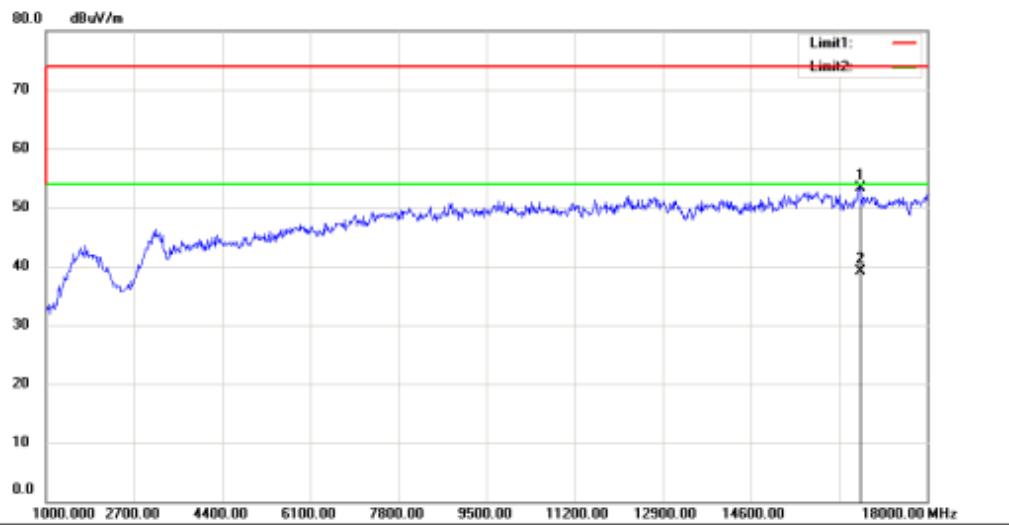


Radiated Emission Measurement

File : TUV 2017

Data #: 1638

Date: 2017/06/26



Site: 3m Chamber #2

Polarization: Vertical

Temperature: 22 °C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 55 %

EUT: Smart Monitoring Companion

M/N: MBP162

Mode: TX n40 2437

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		16708.00	55.79	-2.49	53.30	74.00	-20.70	peak		
2	*	16708.00	41.59	-2.49	39.10	54.00	-14.90	AVG		

\*:Maximum data x:Over limit !:over margin

Operator: KK

File : TUV 2017\ Data #: 1638

Page: 1

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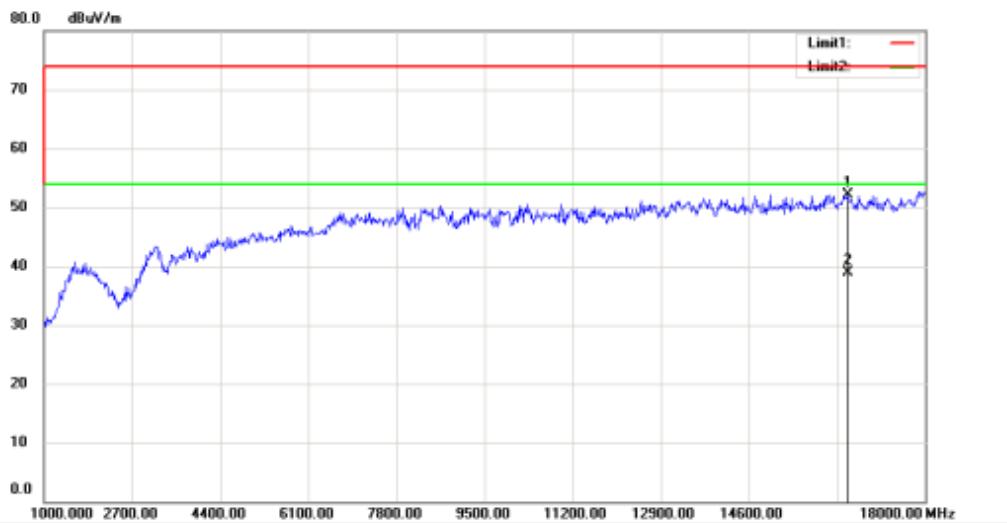


Radiated Emission Measurement

File : TUV 2017

Data #: 1640

Date: 2017/06/26



Site: 3m Chamber #2

Polarization: Horizontal

Temperature: 22 °C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 55 %

EUT: Smart Monitoring Companion

M/N: MBP162

Mode: TX n40 2452

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		16504.00	55.80	-3.65	52.15	74.00	-21.85	peak		
2	*	16504.00	42.55	-3.65	38.90	54.00	-15.10	AVG		

\*:Maximum data x:Over limit !:over margin

Operator: KK

File : TUV 2017\Data #: 1640

Page: 1

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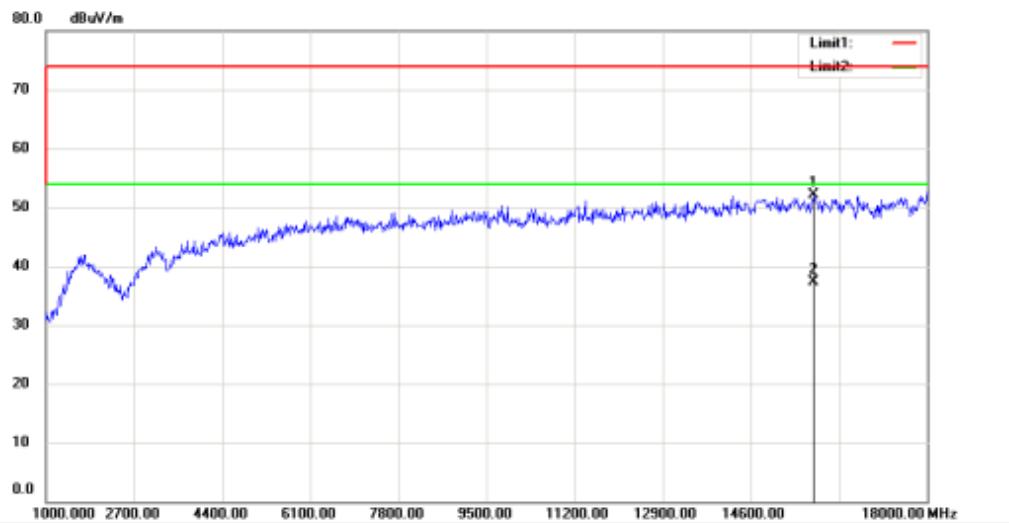


Radiated Emission Measurement

File : TUV 2017

Data #: 1641

Date: 2017/06/26



Site: 3m Chamber #2 Polarization: Vertical Temperature: 22 C

Limit: ( RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 55 %

EUT:Smart Monitoring Companion

M/N: MBP162

Mode:TX n40 2452

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	Antenna Height	Table Degree	Comment	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	
1		15807.00	57.86	-5.79	52.07	74.00	-21.93	peak			
2	*	15807.00	43.19	-5.79	37.40	54.00	-16.60	AVG			

\*:Maximum data x:Over limit !:over margin

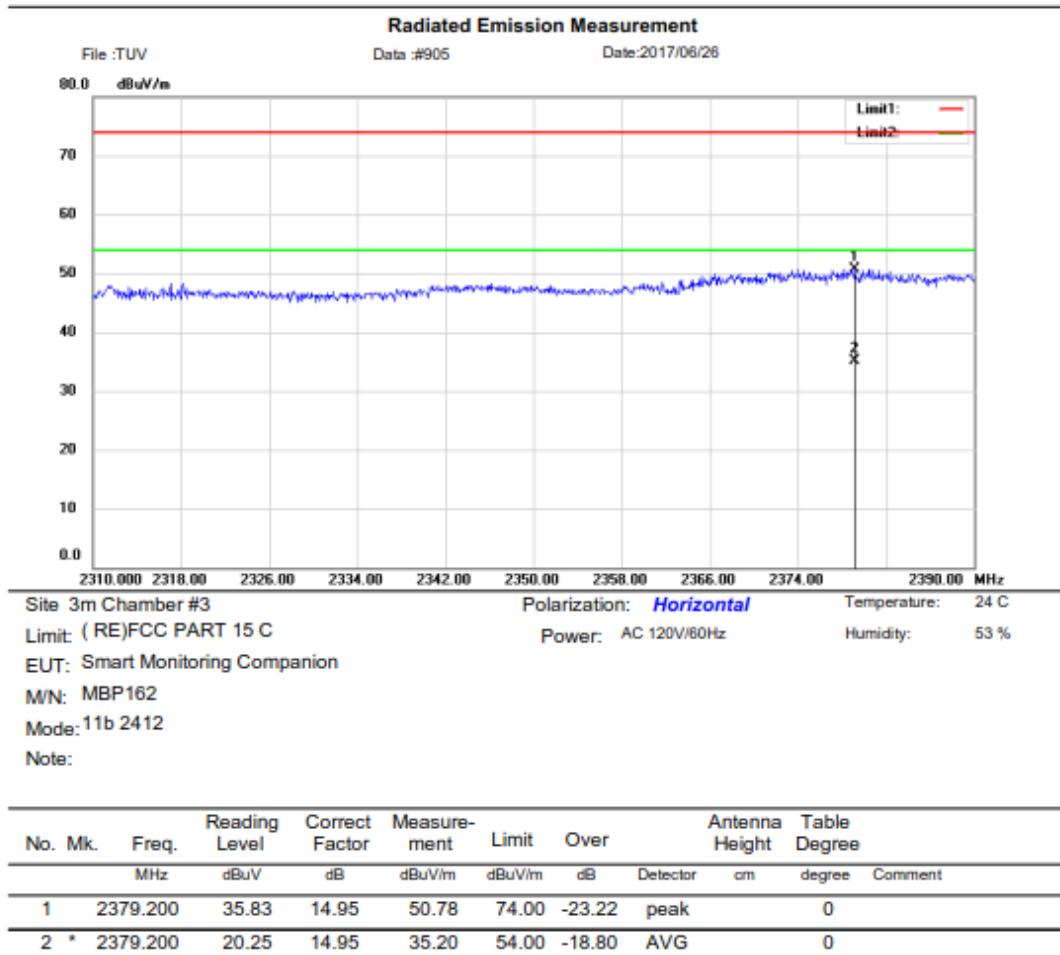
Operator: KK

File : TUV 2017\ Data #: 1641

Page: 1

**Appendix C.2: Test Results of Radiated Emissions in Restricted Bands**  
**Wi-Fi 802.11 b mode, 11 Mbps**  
**Low channel**

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\*:Maximum data x:Over limit !:over margin

Operator: KK

File :TUV Data #:905

Page: 1

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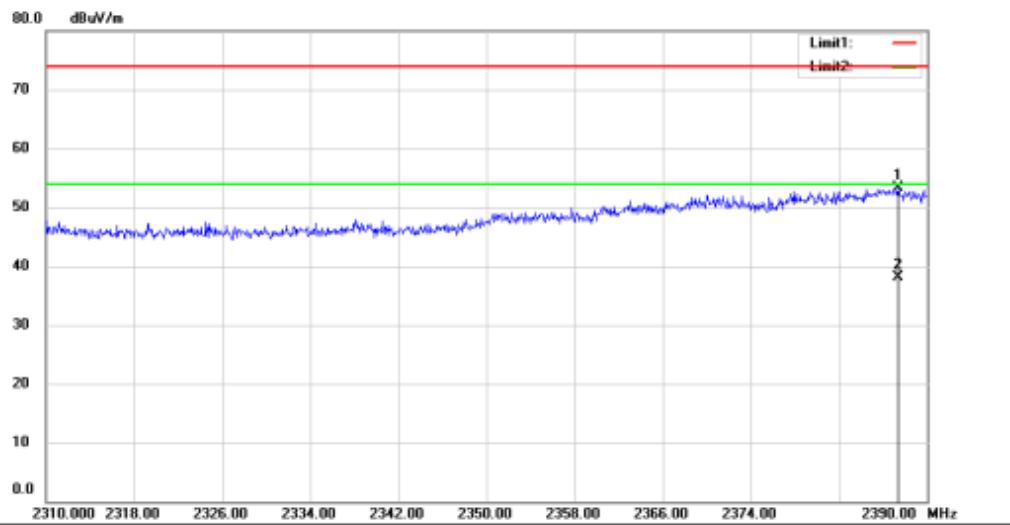


Radiated Emission Measurement

File :TUV

Data :#904

Date:2017/06/26



Site: 3m Chamber #3

Polarization: **Vertical**

Temperature: 24 C

Limit: ( RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Smart Monitoring Companion

M/N: MBP162

Mode: 11b 2412

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dB	Detector	cm	degree	
1		2387.360	38.27	15.01	53.28	74.00	-20.72	peak	0	
2	*	2387.360	23.19	15.01	38.20	54.00	-15.80	AVG	0	

\*:Maximum data x:Over limit !:over margin

Operator: KK

File :TUV|Data :#904

Page: 1

## High channel

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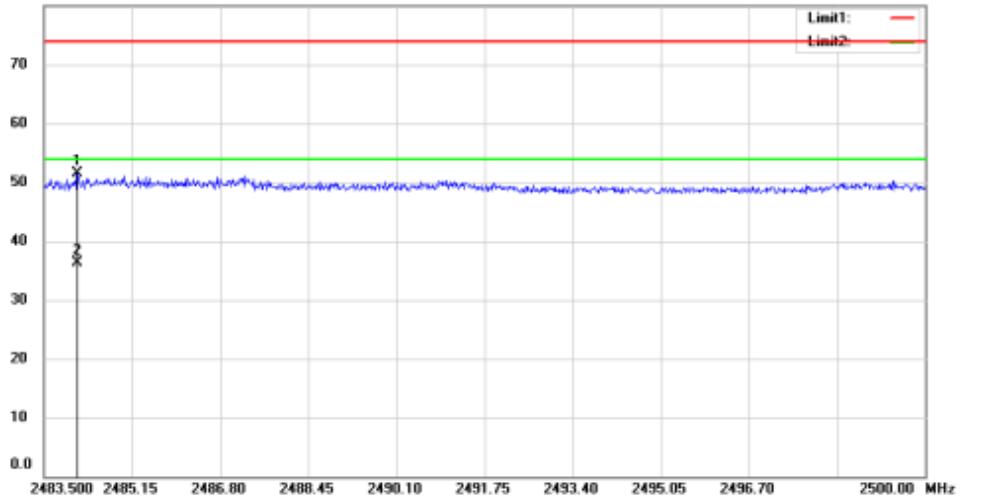
### Radiated Emission Measurement

File :TUV

Data :#906

Date:2017/06/26

80.0 dBuV/m



Site 3m Chamber #3

Polarization: **Horizontal**

Temperature: 24 C

Limit: ( RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Smart Monitoring Companion

M/N: MBP162

Mode: 11b 2462

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		2484.127	35.66	15.81	51.47	74.00	-22.53	peak	0	
2	*	2484.127	20.59	15.81	36.40	54.00	-17.60	AVG	0	

\*:Maximum data x:Over limit !:over margin

Operator: KK

File :TUV\Data :#906

Page: 1

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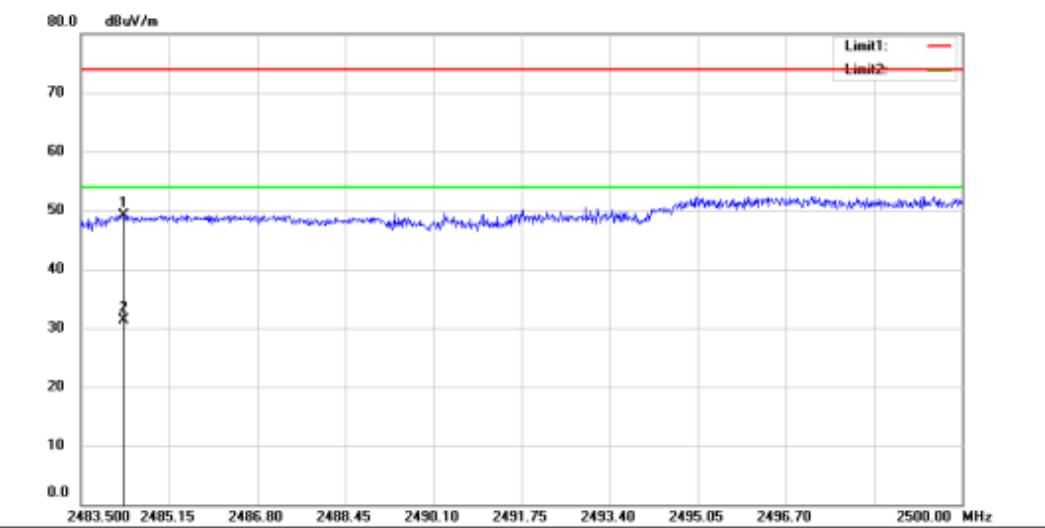


Radiated Emission Measurement

File :TUV

Data :#907

Date:2017/06/26



Site: 3m Chamber #3 Polarization: **Vertical** Temperature: 24 C

Limit: ( RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %

EUT: Smart Monitoring Companion

M/N: MBP162

Mode: 11b 2462

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dB	Detector	cm	degree	
1		2484.292	33.35	15.81	49.16	74.00	-24.84	peak	0	
2 *		2484.292	15.59	15.81	31.40	54.00	-22.60	AVG	0	

\*:Maximum data x:Over limit !:over margin

Operator: KK

File :TUV|Data :#907

Page: 1

Wi-Fi 802.11 g mode, 54 Mbps  
Low channel

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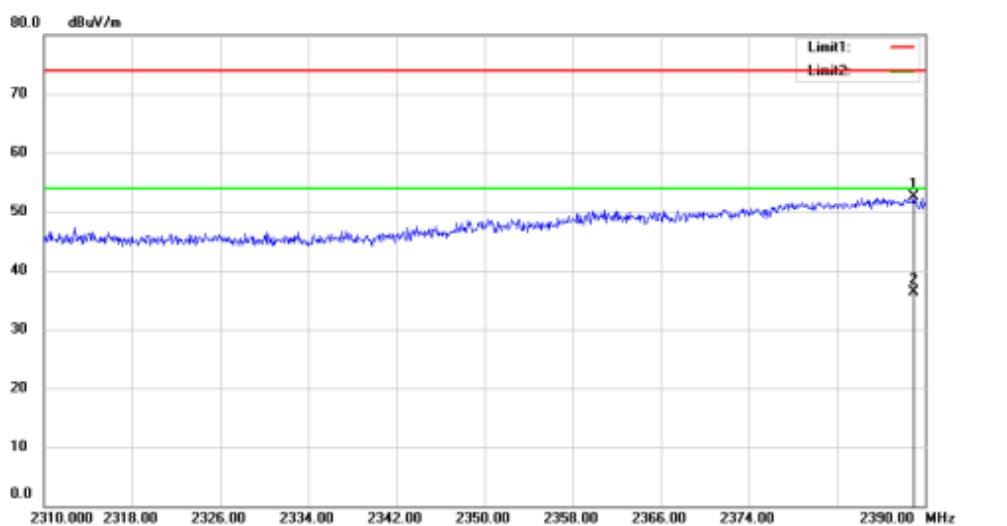


Radiated Emission Measurement

File :TUV

Data :#911

Date:2017/06/26



Site: 3m Chamber #3

Polarization: **Horizontal**

Temperature: 24 C

Limit: ( RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Smart Monitoring Companion

M/N: MBP162

Mode: 11g 2412

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dB	Detector	cm	degree	
1		2388.960	37.38	15.03	52.41	74.00	-21.59	peak	0	
2	*	2388.960	21.37	15.03	36.40	54.00	-17.60	AVG	0	

\*:Maximum data x:Over limit !:over margin

Operator: KK

File :TUV\Data :#911

Page: 1

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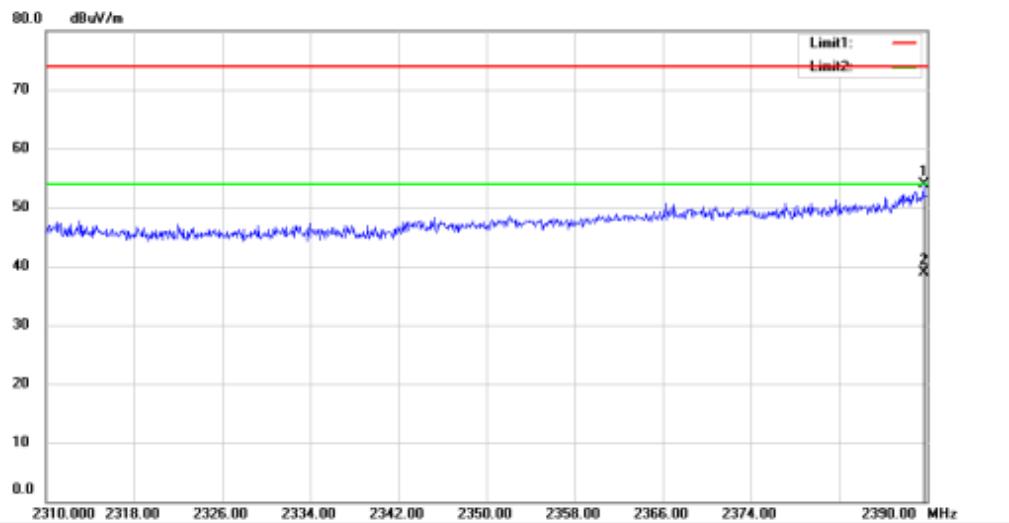


Radiated Emission Measurement

File :TUV

Data #:910

Date:2017/06/26



Site: 3m Chamber #3

Polarization: Vertical

Temperature: 24 C

Limit: ( RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Smart Monitoring Companion

M/N: MBP162

Mode: 11g 2412

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dB	Detector	cm	degree	
1		2389.680	38.85	15.03	53.88	74.00	-20.12	peak	0	
2 *		2389.680	23.87	15.03	38.90	54.00	-15.10	AVG	0	

\*:Maximum data x:Over limit !:over margin

Operator: KK

File :TUV|Data :#910

Page: 1

## High channel

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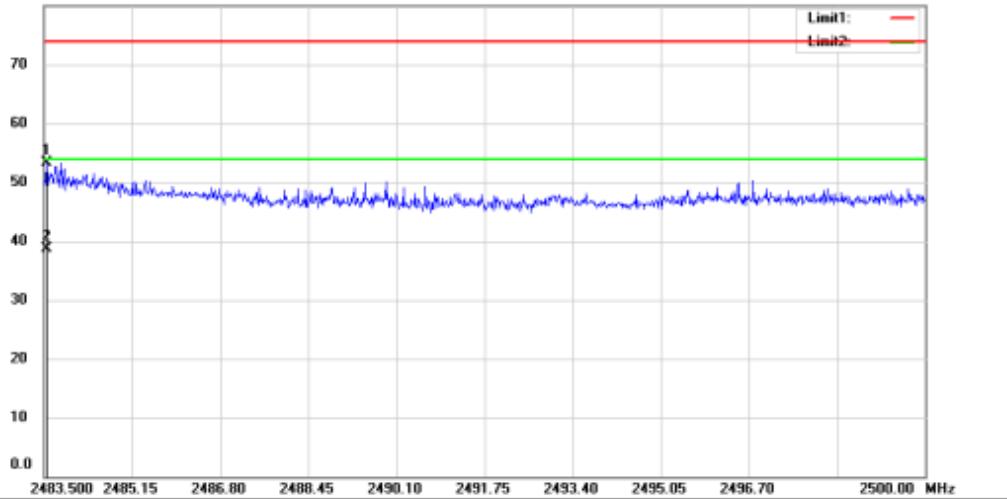
### Radiated Emission Measurement

File :TUV

Data :#909

Date:2017/06/26

80.0 dBuV/m



Site 3m Chamber #3

Polarization: **Horizontal**

Temperature: 24 C

Limit: ( RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Smart Monitoring Companion

M/N: MBP162

Mode: 11g 2462

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		2483.550	37.55	15.80	53.35	74.00	-20.65	peak	0	
2	*	2483.550	22.90	15.80	38.70	54.00	-15.30	AVG	0	

\*:Maximum data x:Over limit !:over margin

Operator: KK

File :TUV\Data :#909

Page: 1

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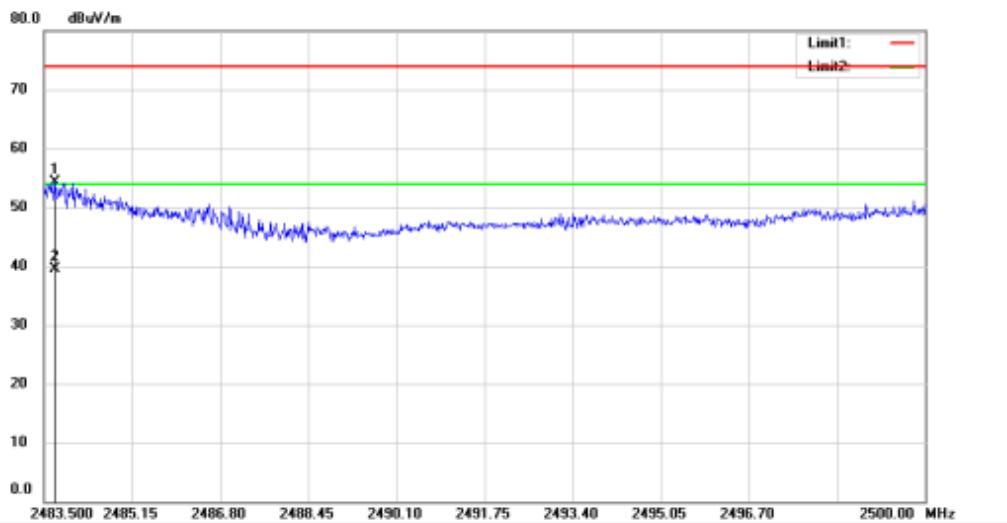


Radiated Emission Measurement

File :TUV

Data :#908

Date:2017/06/26



Site: 3m Chamber #3 Polarization: **Vertical** Temperature: 24 C

Limit: ( RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %

EUT: Smart Monitoring Companion

M/N: MBP162

Mode: 11g 2462

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dB	Detector	cm	degree	
1		2483.715	38.51	15.80	54.31	74.00	-19.69	peak	0	
2 *		2483.715	23.70	15.80	39.50	54.00	-14.50	AVG	0	

\*:Maximum data x:Over limit !:over margin

Operator: KK

File :TUV|Data :#908

Page: 1

Wi-Fi 802.11 n(HT20) mode, MCS0  
Low channel

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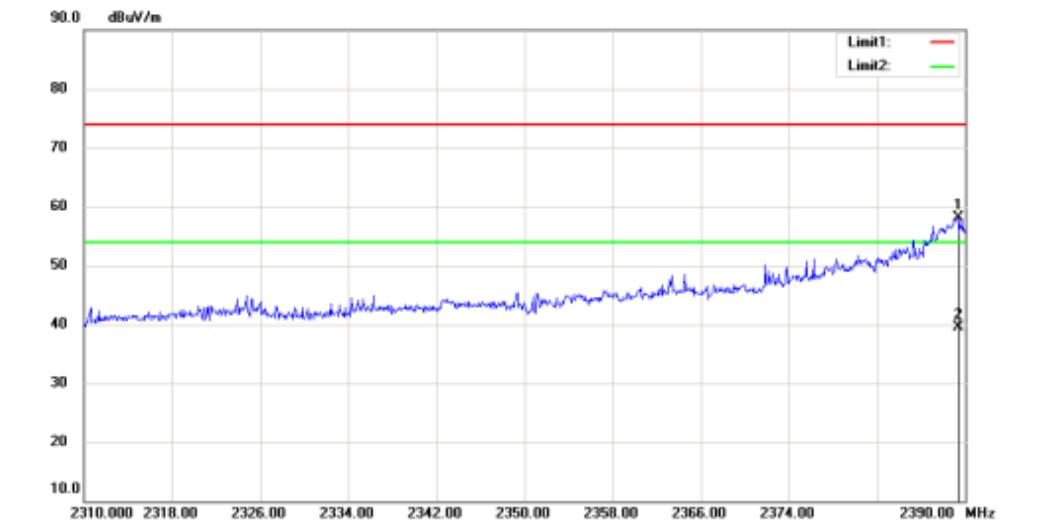


Radiated Emission Measurement

File :TUV 2017

Data: #1715

Date: 2017/06/26



Site: 3m Chamber #2

Polarization: **Horizontal**

Temperature: 22 °C

Limit: ( RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 55 %

EUT:Smart Monitoring Companion

M/N: MBP162

Mode:11n(HT20)2412

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dB	Detector	cm	degree	
1		2389.360	76.25	-18.11	58.14	74.00	-15.86	peak		
2	*	2389.360	57.61	-18.11	39.50	54.00	-14.50	AVG		

\*:Maximum data x:Over limit !:over margin

Operator: CSL

File :TUV 2017>Data :#1715

Page: 1

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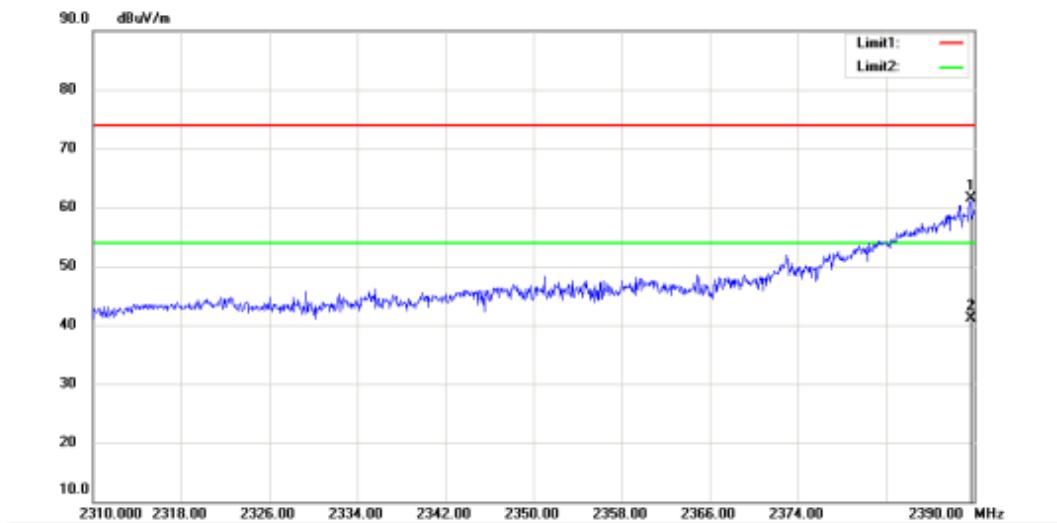


Radiated Emission Measurement

File : TUV 2017

Data #: 1714

Date: 2017/06/26



Site: 3m Chamber #2

Polarization: Vertical

Temperature: 22 °C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 55 %

EUT: Smart Monitoring Companion

M/N: MBP162

Mode: 11n(HT20)2412

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	*	2389.680	79.61	-18.11	61.50	74.00	-12.50	peak		
2		2389.680	59.31	-18.11	41.20	54.00	-12.80	AVG		

\*:Maximum data    x:Over limit    !:over margin

Operator: CSL

File : TUV 2017\Data #: 1714

Page: 1

## High channel

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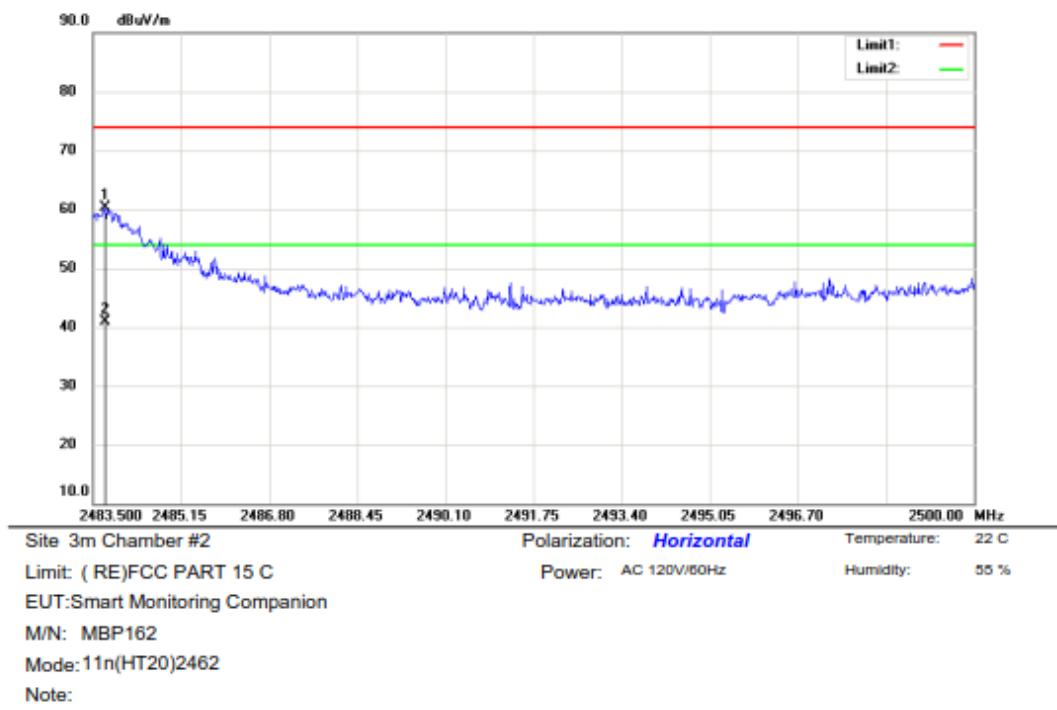


### Radiated Emission Measurement

File : TUV 2017

Data : #1717

Date : 2017/06/26



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		2483.731	77.97	-17.74	60.23	74.00	-13.77	peak		
2	*	2483.731	58.64	-17.74	40.90	54.00	-13.10	AVG		

\*:Maximum data    x:Over limit    !:over margin

Operator: CSL

File : TUV 2017\Data :#1717

Page: 1

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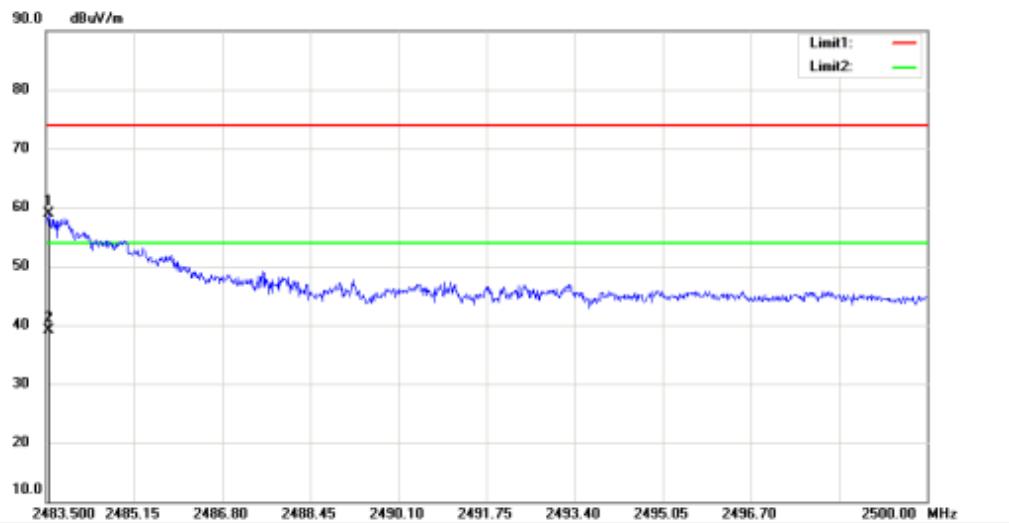


Radiated Emission Measurement

File :TUV 2017

Data #:1716

Date:2017/06/26



Site: 3m Chamber #2

Polarization: Vertical

Temperature: 22 C

Limit: ( RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 55 %

EUT:Smart Monitoring Companion

M/N: MBP162

Mode:11n(HT20)2462

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		2483.550	76.63	-17.74	58.89	74.00	-15.11	peak		
2	*	2483.550	56.84	-17.74	39.10	54.00	-14.90	AVG		

\*:Maximum data x:Over limit !:over margin

Operator: CSL

File :TUV 2017\Data #:1716

Page: 1

Wi-Fi 802.11 n(HT40) mode, MCS0  
Low channel

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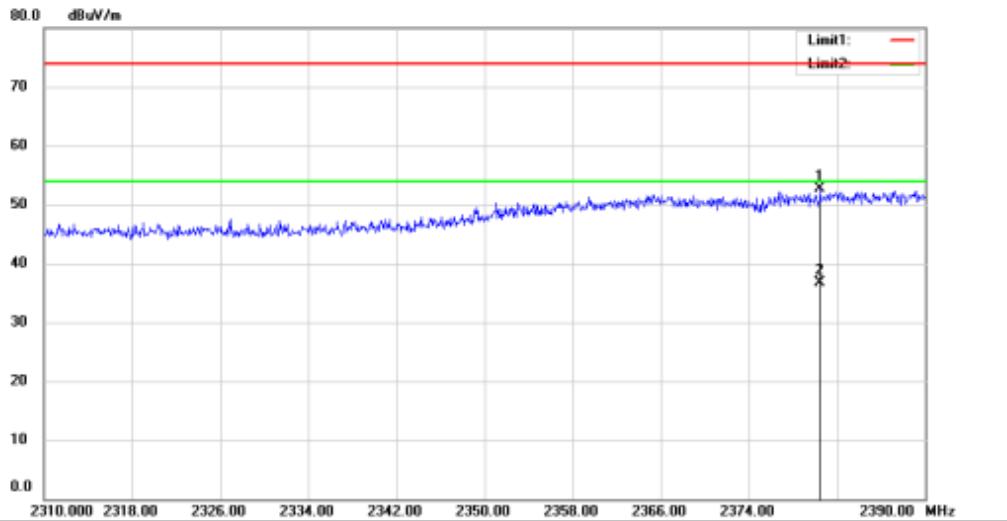


Radiated Emission Measurement

File :TUV

Data :#912

Date:2017/06/26



Site: 3m Chamber #3

Polarization: **Horizontal**

Temperature: 24 C

Limit: ( RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Smart Monitoring Companion

M/N: MBP162

Mode: MID721-RB

Note: 11n(HT40)2422

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dB	Detector	cm	degree	
1		2380.480	37.76	14.96	52.72	74.00	-21.28	peak	0	
2	*	2380.480	21.74	14.96	36.70	54.00	-17.30	AVG	0	

\*:Maximum data x:Over limit !:over margin

Operator: KK

File :TUV\Data :#912

Page: 1

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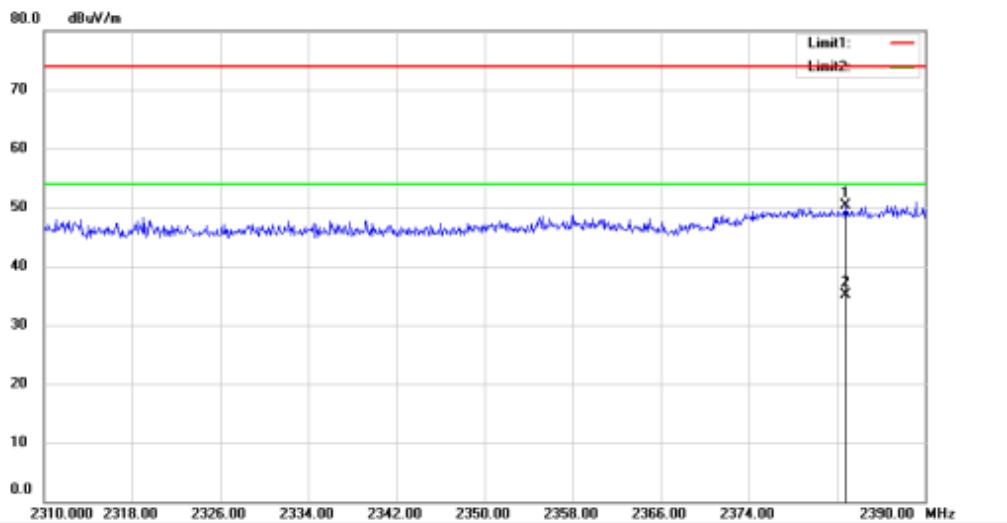


Radiated Emission Measurement

File :TUV

Data #913

Date:2017/06/26



Site: 3m Chamber #3 Polarization: **Vertical** Temperature: 24 C

Limit: ( RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %

EUT: Smart Monitoring Companion

M/N: MBP162

Mode: MID721-RB

Note: 11n(HT40)2422

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dB	Detector	cm	degree	
1		2382.800	35.24	14.98	50.22	74.00	-23.78	peak	0	
2	*	2382.800	20.22	14.98	35.20	54.00	-18.80	AVG	0	

\*:Maximum data x:Over limit !:over margin

Operator: KK

File :TUV|Data :#913

Page: 1

## High channel

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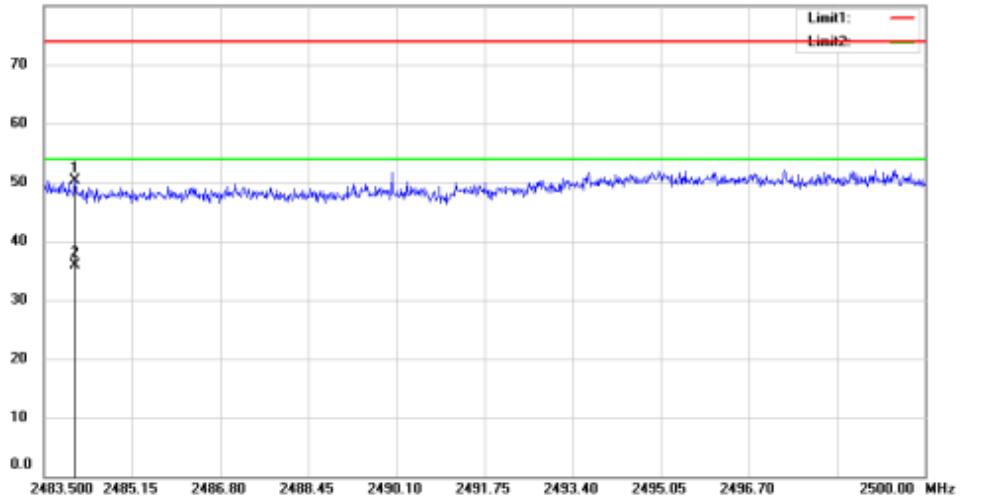
### Radiated Emission Measurement

File :TUV

Data :#914

Date:2017/06/26

80.0 dBuV/m



Site 3m Chamber #3

Polarization: **Horizontal**

Temperature: 24 C

Limit: ( RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Smart Monitoring Companion

M/N: MBP162

Mode: MID721-RB

Note: 11n(HT40)2452

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		2484.077	34.46	15.81	50.27	74.00	-23.73	peak	0	
2	*	2484.077	20.09	15.81	35.90	54.00	-18.10	AVG	0	

\*:Maximum data x:Over limit !:over margin

Operator: KK

File :TUV\Data :#914

Page: 1

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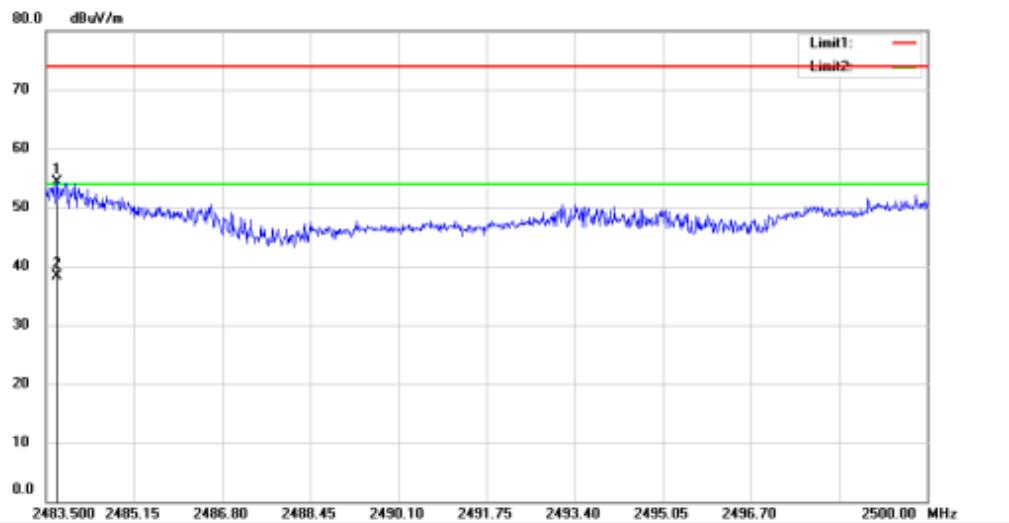


Radiated Emission Measurement

File :TUV

Data #:915

Date:2017/06/26



Site: 3m Chamber #3 Polarization: **Vertical** Temperature: 24 C

Limit: ( RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %

EUT: Smart Monitoring Companion

M/N: MBP162

Mode: 11n(HT40)2452

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dB	Detector	cm	degree	
1		2483.715	38.51	15.80	54.31	74.00	-19.69	peak	0	
2 *		2483.715	22.60	15.80	38.40	54.00	-15.60	AVG	0	

\*:Maximum data x:Over limit !:over margin

Operator: KK

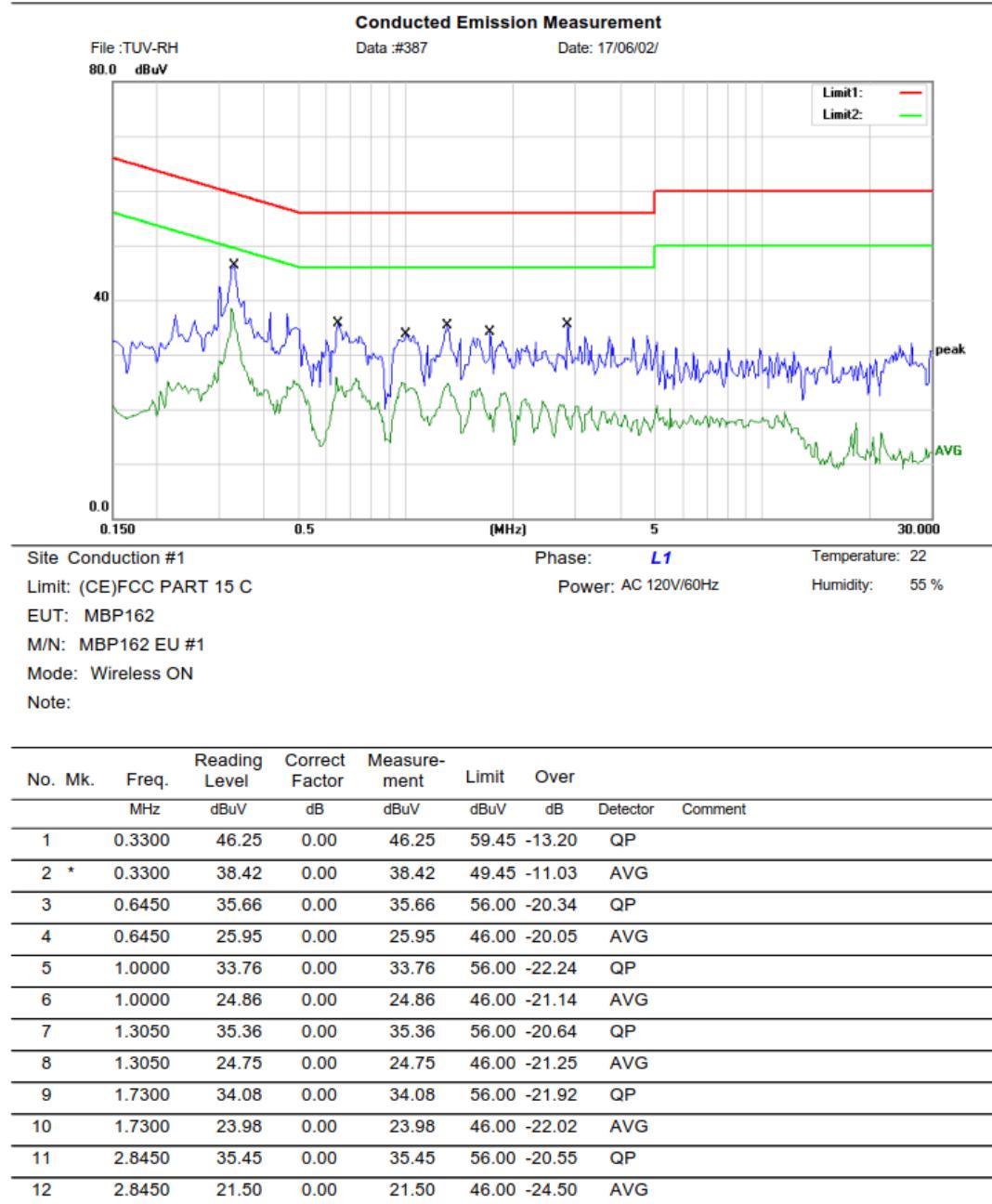
File :TUV Data #:915

Page: 1

### Appendix C.3: Test Results of Conducted Emission on AC Mains B mode

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EMTEK Access to the World



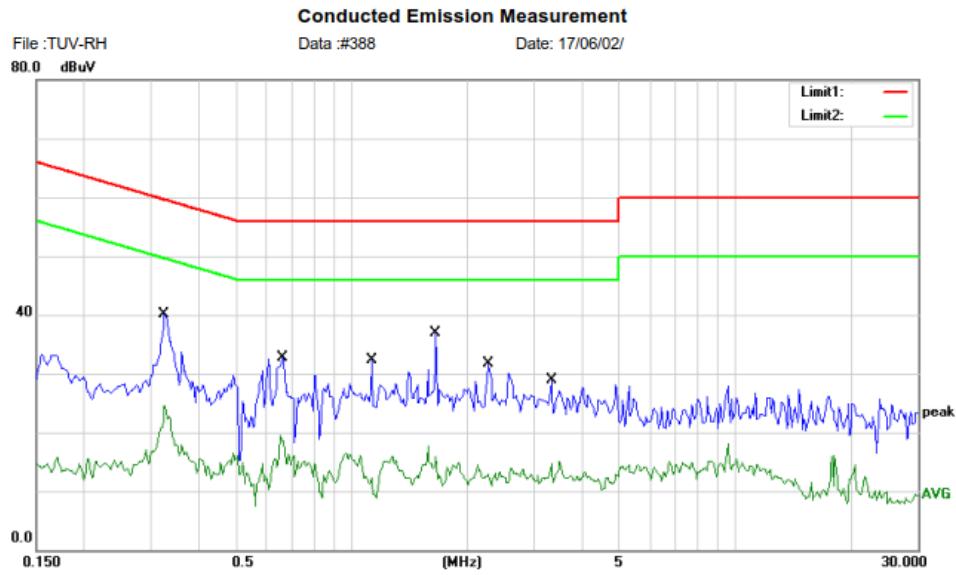
\*:Maximum data    x:Over limit    l:over margin      Comment: Factor build in receiver.      Operator: Jason

File : TUV-RH Data #: 387

Page: 1

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**EMTEK**   
Access to the World



Site Conduction #1 Phase: **N** Temperature: 22  
Limit: (CE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 55 %  
EUT: MBP162  
M/N: MBP162 EU #1  
Mode: Wireless ON  
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.3250	40.19	0.00	40.19	59.58	-19.39	QP	
2		0.3250	24.50	0.00	24.50	49.58	-25.08	AVG	
3		0.6600	32.74	0.00	32.74	56.00	-23.26	QP	
4		0.6600	19.53	0.00	19.53	46.00	-26.47	AVG	
5		1.1250	32.26	0.00	32.26	56.00	-23.74	QP	
6		1.1250	16.25	0.00	16.25	46.00	-29.75	AVG	
7	*	1.6550	36.83	0.00	36.83	56.00	-19.17	QP	
8		1.6550	17.60	0.00	17.60	46.00	-28.40	AVG	
9		2.2700	31.75	0.00	31.75	56.00	-24.25	QP	
10		2.2700	14.58	0.00	14.58	46.00	-31.42	AVG	
11		3.3150	28.83	0.00	28.83	56.00	-27.17	QP	
12		3.3150	15.09	0.00	15.09	46.00	-30.91	AVG	

\*:Maximum data x:Over limit !:over margin Comment: Factor build in receiver. Operator: Jason

File : TUV-RH\Data : #388

Page: 1