11.3. LIMITS AND MEASUREMENT RESULT

15.209(a) Limit in the below table has to be followed

Frequencies (MHz)	Field Strength (micorvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

Note: All modes were tested For restricted band radiated emission,

the test records reported below are the worst result compared to other modes.

11.4. TEST RESULT

RADIATED EMISSION BELOW 30MHZ

The amplitude of spurious emissions from 9kHz to 30MHz which are attenuated more than 20 dB below the permissible value need not be reported.

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the stead of the stand in the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15day after the issues of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.

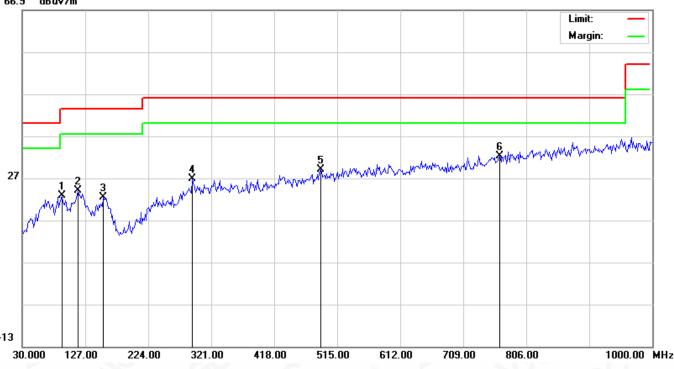


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RADIATED EMISSION BELOW 1GHZ

EUT	Smart Weather Station with Clock	Model Name	SWS
Temperature	21.8°C	Relative Humidity	58%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with date rate 1 2412MHZ	Antenna	Horizontal

66.9 dBuV/m



No.	Mk		Reading Level	Correct Factor	Measure- ment	Limit	Over	Datastas
		MHz	dBuV	dB	dBuV/m	dBu\//m	dB	Detector
1		91.4333	8.46	14.41	22.87	43.50	-20.63	peak
2		115.6833	7.51	16.47	23.98	43.50	-19.52	peak
3		154.4832	4.63	17.82	22.45	43.50	-21.05	peak
4		291.8999	5.96	20.85	26.81	46.00	-19.19	peak
5		489.1333	4.36	24.55	28.91	46.00	-17.09	peak
6	*	765.5833	2.63	29.63	32.26	46.00	-13.74	peak

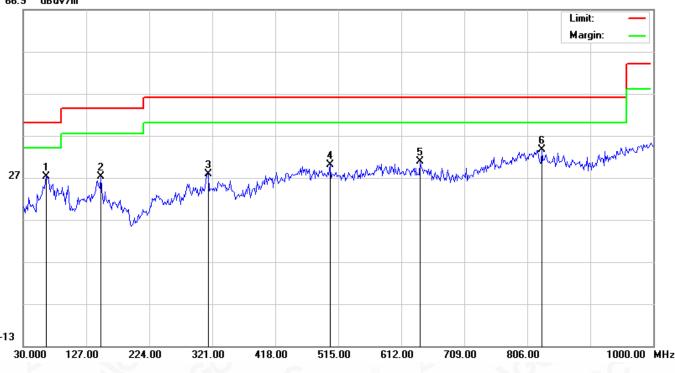
RESULT: PASS

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EUT	Smart Weather Station with Clock	Model Name	SWS
Temperature	21.8°C	Relative Humidity	58%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with date rate 1 2412MHZ	Antenna	Vertical

66.9 dBuV/m



No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		65.5666	10.71	16.56	27.27	40.00	-12.73	peak
2		149.6332	7.92	19.21	27.13	43.50	-16.37	peak
3		314.5332	7.78	19.98	27.76	46.00	-18.24	peak
4		502.0667	5.06	25.03	30.09	46.00	-15.91	peak
5		641.1000	4.59	26.21	30.80	46.00	-15.20	peak
6	*	828.6331	3.97	29.63	33.60	46.00	-12.40	peak

RESULT: PASS

Note: 1. Factor=Antenna Factor + Cable loss, Margin=Measurement-Limit.

2. The "Factor" value can be calculated automatically by software of measurement system.

3. All test modes had been pre-tested. The 802.11b at low channel is the worst case and recorded in the report. Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by its addicated restriction in the report. Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGE. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15d vs after the issuence of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.

EUT	Smart Weather Station with Clock	Model Name SWS					
Temperature	21.8°C	Relative Humidity	58%				
Pressure	960hPa	Test Voltage	Normal Voltage				
Test Mode	802.11b with date rate 1 2412MHZ	Antenna	Horizontal				

RADIATED EMISSION ABOVE 1GHZ

Meter Reading	Factor	Emission Level	Limits	Margin	
(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Value Type
56.13	0.08	56.21	74	-17.79	peak
47.54	0.08	47.62	54	-6.38	AVG
51.33	2.21	53.54	74	-20.46	peak
40.97	2.21	43.18	54	-10.82	AVG
	8		P.	~04	- 0
	56.13 47.54 51.33 40.97	56.13 0.08 47.54 0.08 51.33 2.21 40.97 2.21	56.13 0.08 56.21 47.54 0.08 47.62 51.33 2.21 53.54	56.13 0.08 56.21 74 47.54 0.08 47.62 54 51.33 2.21 53.54 74 40.97 2.21 43.18 54	56.13 0.08 56.21 74 -17.79 47.54 0.08 47.62 54 -6.38 51.33 2.21 53.54 74 -20.46 40.97 2.21 43.18 54 -10.82

EUT	Smart Weather Station with Clock	Model Name	SWS
Temperature	21.8°C	Relative Humidity	58%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with date rate 1 2412MHZ	Antenna	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Value Type
4824.000	56.63	0.08	56.71	74	-17.29	peak
4824.000	45.12	0.08	45.2	54	-8.8	AVG
7236.000	50.37	2.21	52.58	74	-21.42	peak
7236.000	41.64	2.21	43.85	54	-10.15	AVG
	CC -	3				6
emark:			C	0		
actor = Ante	enna Factor + Ca	ble Loss – F	Pre-amplifier.	C		

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EUT	Smart Weather Station with Clock	Model Name	SWS
Temperature	21.8°C	Relative Humidity	58%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with date rate 1 2437MHZ	Antenna	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz) 💿	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	value Type
4874.000	55.37	0.14	55.51	74	-18.49	o peak
4874.000	44.84	0.14	44.98	54	-9.02	AVG
7311.000	50.16	2.36	52.52	74	-21.48	peak
7311.000	40.37	2.36	42.73	54	-11.27	AVG
20				0		
Remark:			8			· C
actor = Ante	enna Factor + Ca	ble Loss –	Pre-amplifier.			

EUT	Smart Weather Station with Clock	Model Name	SWS
Temperature	21.8°C	Relative Humidity	58%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with date rate 1 2437MHZ	Antenna	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	value Type
4874.000	52.79	0.14	52.93	74	-21.07	peak
4874.000	42.61	0.14	42.75	54	-11.25	AVG
7311.000	48.37	2.36	50.73	74	-23.27	peak
7311.000	39.53	2.36	41.89	54	-12.11	AVG
	(B)					
		(R)				
Remark:		6	0			
actor = Ante	enna Factor + Ca	ble Loss –	Pre-amplifier.	8		

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EUT	Smart Weather Station with Clock	Model Name	SWS
Temperature	21.8°C	Relative Humidity	58%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with date rate 1 2462MHZ	Antenna	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	value Type
4924.000	55.99	0.22	56.21	74	-17.79	peak
4924.000	45.03	0.22	45.25	54	-8.75	AVG
7386.000	50.47	2.64	53.11	74 💿	-20.89	peak
7386.000	40.37	2.64	43.01	54	-10.99	AVG
				10	100	
Remark:						NO ²
actor = Ante	enna Factor + C	able Loss –	Pre-amplifier.		R	

EUT	Smart Weather Station with Clock	Model Name	SWS
Temperature	21.8°C	Relative Humidity	58%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with date rate 1 2462MHZ	Antenna	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	value Type
4924.000	55.39	0.22	55.61	74	-18.39	peak
4924.000	43.27	0.22	43.49	54	-10.51	AVG
7386.000	51.42	2.64	54.06	74	-19.94	peak
7386.000	40.37	2.64	43.01	54	-10.99	AVG
	© 1				6	
Remark:		8	e P		- C	6
actor = Ante	enna Factor + Ca	ble Loss – I	Pre-amplifier.	8		 C1

RESULT: PASS

Note:

The amplitude of other spurious emissions from 1G to 25 GHz which are attenuated more than 20 dB below the permissible value need not be reported.

Factor = Antenna Factor + Cable loss - Amplifier gain, Over=Measure-Limit.

The "Factor" value can be calculated automatically by software of measurement system.

All test modes had been pre-tested. The 802.11b mode is the worst case and recorded in the report.

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the Bedicated Prestrue/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issues of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.



12. BAND EDGE EMISSION

12.1. MEASUREMENT PROCEDURE

Radiated restricted band edge measurements

The radiated restricted band edge measurements are measured with an EMI test receiver connected to the receive antenna while the EUT is transmitting

12.2. TEST SET-UP

same as 11.2

Note:

- 1. Factor=Antenna Factor + Cable loss Amplifier gain. Field Strength=Factor + Reading level
- 2. The factor had been edited in the "Input Correction" of the Spectrum Analyzer.

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 Attestation of Global Compliance(Shenzhen)Co., Ltd

 Attestation of Global Compliance(Shenzhen)Std & Tech Co., Ltd

 Tel: +86-755 2523 4088
 E-mail: agc@agc-cert.com

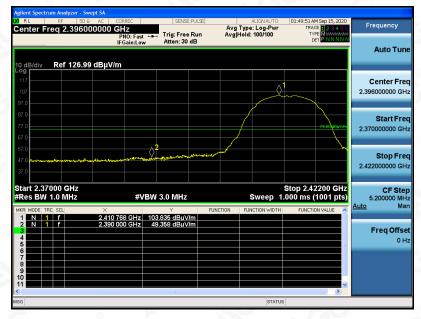


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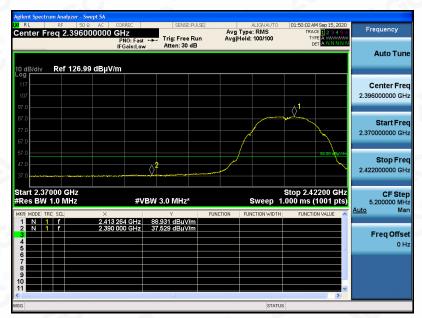
12.3. TEST RESULT

EUT	Smart Weather Station with Clock	Model Name	SWS
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with data rate 1 2412MHZ	Antenna	Horizontal

PK



AV



RESULT: PASS

Sedicated Fest Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Bedicated Period g/Inspection he test results Sf the test report.

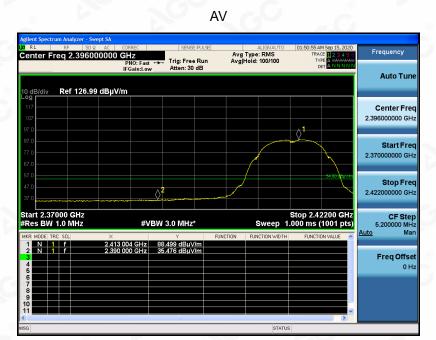


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EUT	Smart Weather Station with Clock	Model Name	SWS
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with data rate 1 2412MHZ	Antenna	Vertical

PK

Frequency Center Freq 2.396000000 GHz Avg Type: Log-Pw Avg|Hold: 100/100 Trig: Free Run Atten: 30 dB Auto Tun Ref 126.99 dBµV/m Center Fre 2.396000000 GH Start Fre 2.370000000 GH Stop Fre 2.422000000 GH CF Ste 5.200000 MH Stop 2.42200 GHz Sweep 1.000 ms (1001 pts) tart 2.37000 GHz Res BW 1.0 MHz #VBW 3.0 MHz 2.413 264 GHz 101.783 dBµV/m 2.390 000 GHz 45.795 dBµV/m Freq Offs



RESULT: PASS

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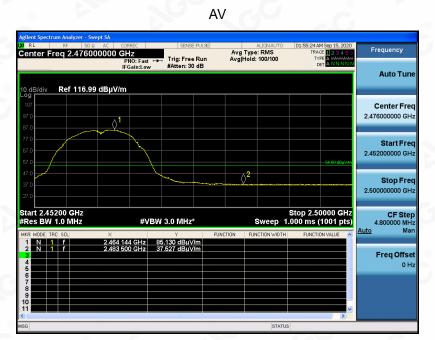


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EUT	Smart Weather Station with Clock	Model Name	SWS
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with data rate 1 2462MHZ	Antenna	Horizontal

PK

Frequency Center Freq 2.476000000 GHz Avg Type: Log-Pw Avg|Hold: 100/100 :Fast ↔ Trig:Free Run n:Low #Atten: 30 dB Auto Tun Ref 116.99 dBµV/m Center Fre 2.476000000 GH Start Fre 2.452000000 GH \Diamond^2 **Stop Fre** 2.50000000 GH Stop 2.50000 GHz Sweep 1.000 ms (1001 pts) CF Ste 4.800000 M tart 2.45200 GHz Res BW 1.0 MHz #VBW 3.0 MHz 2.460 784 GHz 99.559 dBµV/n 2.483 500 GHz 46.792 dBµV/n Freq Offs



RESULT: PASS

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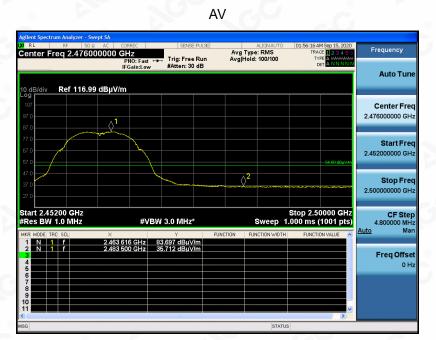


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EUT	Smart Weather Station with Clock	Model Name	SWS
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with data rate 1 2462MHZ	Antenna	Vertical

PK

Frequency Center Freq 2.476000000 GHz Avg Type: Log-Pw Avg|Hold: 100/100 :Fast ↔ Trig:Free Run n:Low #Atten: 30 dB Auto Tun Ref 116.99 dBµV/m Center Fre 2.476000000 GH Start Fre 2.452000000 GH \Diamond^2 Stop Fre 2.50000000 GH Stop 2.50000 GHz Sweep 1.000 ms (1001 pts) CF Ste 4.800000 M tart 2.45200 GHz Res BW 1.0 MHz #VBW 3.0 MHz 2.460 832 GHz 97.566 dBµV/m 2.483 500 GHz 45.233 dBµV/m Freq Offs



RESULT: PASS

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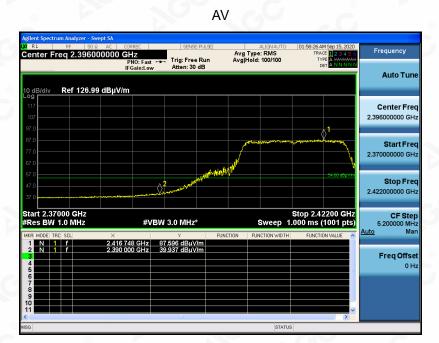


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EUT	Smart Weather Station with Clock	Model Name	SWS
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11g with data rate 6 2412MHZ	Antenna	Horizontal

PK

Frequency Center Freq 2.396000000 GHz Avg Type: Log-Pw Avg|Hold: 100/100 Trig: Free Run Atten: 30 dB Auto Tun Ref 126.99 dBµV/m Center Fre 2.396000000 GH Start Fre 2.370000000 GH Stop Fre 2.422000000 GH CF Ste 5.200000 Mi Stop 2.42200 GHz Sweep 1.000 ms (1001 pts) tart 2.37000 GHz Res BW 1.0 MHz #VBW 3.0 MHz 2.408 688 GHz 104.525 dBµV/m 2.390 000 GHz 56.745 dBµV/m Freq Offs



RESULT: PASS

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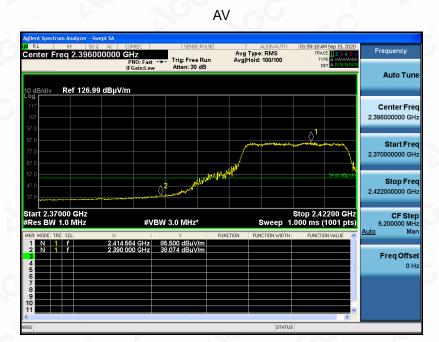


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EUT	Smart Weather Station with Clock	Model Name	SWS
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11g with data rate 6 2412MHZ	Antenna	Vertical

PK

Frequency Center Freq 2.396000000 GHz Avg Type: Log-Pw Avg|Hold: 100/100 Trig: Free Run Atten: 30 dB Auto Tun Ref 126.99 dBµV/m Center Fre 2.396000000 GH Start Fre 2.370000000 GH Stop Fre 2.422000000 GH CF Ste 5.200000 Mi Stop 2.42200 GHz Sweep 1.000 ms (1001 pts) tart 2.37000 GHz Res BW 1.0 MHz #VBW 3.0 MHz 2.408 636 GHz 102.531 dBuV/n 2.390 000 GHz 55.188 dBuV/n Freq Offs



RESULT: PASS

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the Bedicated Pasting/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC the test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15day after the issuer of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.

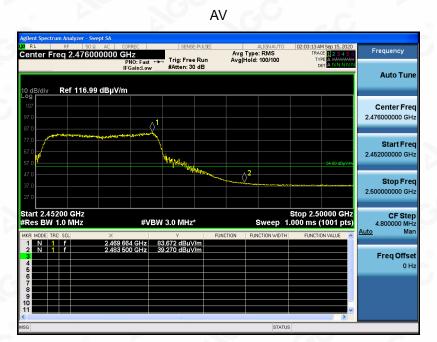


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EUT	Smart Weather Station with Clock	Model Name	SWS
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11g with data rate 6 2462MHZ	Antenna	Horizontal

PK

Frequency Center Freq 2.476000000 GHz Avg Type: Log-Pw Avg|Hold: 100/100 Trig: Free Run #Atten: 30 dB Auto Tun Ref 116.99 dBµV/m Center Fre 2.476000000 GH Start Fre 2.452000000 GH **Stop Fre** 2.50000000 GH Stop 2.50000 GHz Sweep 1.000 ms (1001 pts) CF Ste 4.800000 M tart 2.45200 GHz Res BW 1.0 MHz #VBW 3.0 MHz 2.464 624 GHz 100.529 dBµV/n 2.483 500 GHz 50.987 dBµV/n Freq Offs



RESULT: PASS

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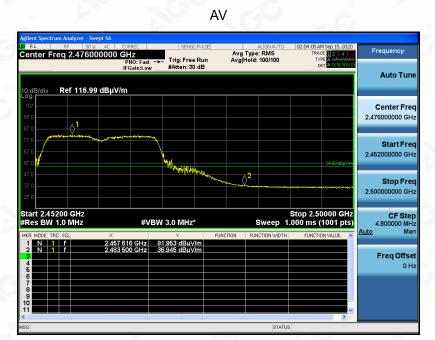


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EUT	Smart Weather Station with Clock	Model Name	SWS
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11g with data rate 6 2462MHZ	Antenna	Vertical

PK

Frequency Center Freq 2.476000000 GHz Avg Type: Log-Pw Avg|Hold: 100/100 Fast +++ Trig: Free Run n:Low #Atten: 30 dB Auto Tun Ref 116.99 dBµV/m Center Fre 2.476000000 GH Start Fre 2.452000000 GH Stop Fre 2.50000000 GH Stop 2.50000 GHz Sweep 1.000 ms (1001 pts) CF Ste 4.800000 M tart 2.45200 GHz Res BW 1.0 MHz #VBW 3.0 MHz 2.459 344 GHz 98.563 dBµV/n 2.483 500 GHz 50.237 dBµV/n Freq Offs



RESULT: PASS

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the test results of the test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issues of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.

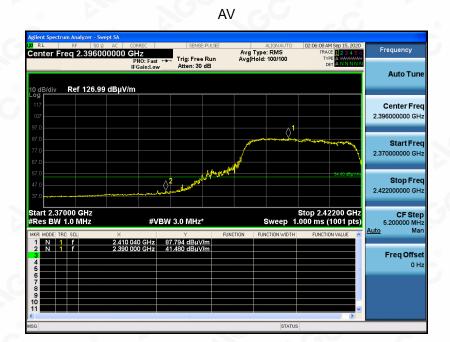


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EUT	Smart Weather Station with Clock	Model Name	SWS
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n 20 with data rate 6.5 2412MHZ	Antenna	Horizontal

PK

Frequency Center Freq 2.396000000 GHz Avg Type: Log-Pw Avg|Hold: 100/100 Trig: Free Run Atten: 30 dB Auto Tun Ref 126.99 dBµV/m Center Fre 2.396000000 GH Start Fre 2.370000000 GH **Stop Fre** 2.422000000 GH CF Ste 5.200000 MH Stop 2.42200 GHz Sweep 1.000 ms (1001 pts) tart 2.37000 GHz Res BW 1.0 MHz #VBW 3.0 MHz Freq Offs



RESULT: PASS

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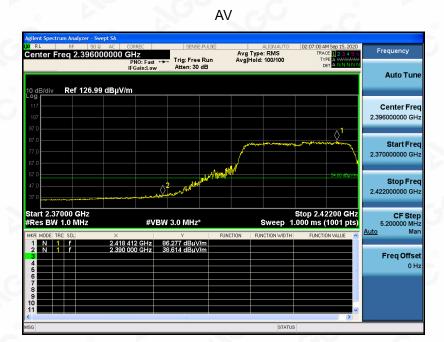


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EUT	Smart Weather Station with Clock	Model Name	SWS
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n 20 with data rate 6.5 2412MHZ	Antenna	Vertical

PK

Frequency Center Freq 2.396000000 GHz Avg Type: Log-Pw Avg|Hold: 100/100 Trig: Free Run Atten: 30 dB Auto Tun Ref 126.99 dBµV/m Center Fre 2.396000000 GH Start Fre 2.370000000 GH **Stop Fre** 2.422000000 GH CF Ste 5.200000 MH Stop 2.42200 GHz Sweep 1.000 ms (1001 pts) tart 2.37000 GHz Res BW 1.0 MHz #VBW 3.0 MHz Freq Offs



RESULT: PASS

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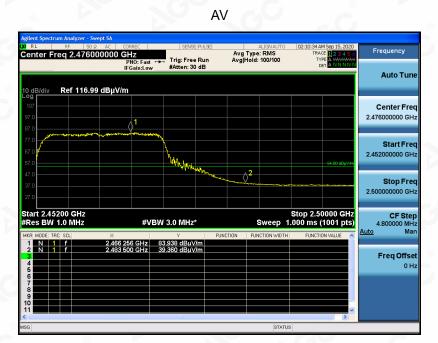


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EUT	Smart Weather Station with Clock	Model Name	SWS
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n 20 with data rate 6.5 2462MHZ	Antenna	Horizontal

PK

Frequency Center Freq 2.476000000 GHz Avg Type: Log-Pw Avg|Hold: 100/100 :Fast ↔ Trig:Free Run n:Low #Atten: 30 dB Auto Tun Ref 116.99 dBµV/m Center Fre 2.476000000 GH Start Fre 2.452000000 GH **Stop Fre** 2.50000000 GH Stop 2.50000 GHz Sweep 1.000 ms (1001 pts) CF Ste 4.800000 M tart 2.45200 GHz Res BW 1.0 MHz #VBW 3.0 MHz 2.457 424 GHz 101.293 dBµV/m 2.483 500 GHz 52.980 dBµV/m Freq Offs



RESULT: PASS

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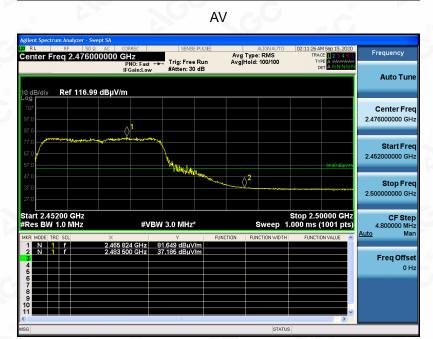


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EUT	Smart Weather Station with Clock	Model Name	SWS
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n 20 with data rate 6.5 2462MHZ	Antenna	Vertical

PK

Frequency Center Freq 2.476000000 GHz Avg Type: Log-Pw Avg|Hold: 100/100 :Fast ↔ Trig:Free Run n:Low #Atten: 30 dB Auto Tun Ref 116.99 dBµV/m Center Fre 2.476000000 GH Start Fre 2.452000000 GH Stop Fre 2.50000000 GH Stop 2.50000 GHz Sweep 1.000 ms (1001 pts) CF Ste 4.800000 M tart 2.45200 GHz Res BW 1.0 MHz #VBW 3.0 MHz 2.457 472 GHz 99.282 dBuV/m 2.483 500 GHz 48.407 dBuV/m Freq Offs



RESULT: PASS

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13. FCC LINE CONDUCTED EMISSION TEST

13.1. LIMITS OF LINE CONDUCTED EMISSION TEST

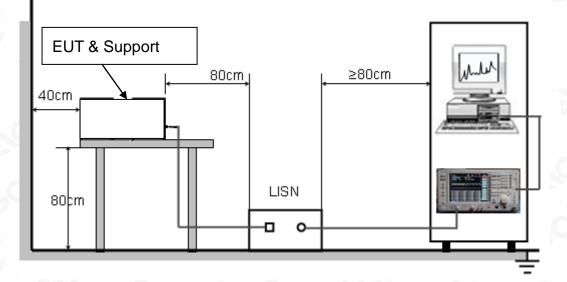
Franciscov	Maximum RF Line Voltage				
Frequency	Q.P.(dBuV)	Average(dBuV)			
150kHz~500kHz	66-56	56-46			
500kHz~5MHz	56	46			
5MHz~30MHz	60	50			

Note:

1. The lower limit shall apply at the transition frequency.

2. The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz.

13.2. BLOCK DIAGRAM OF LINE CONDUCTED EMISSION TEST



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13.3. PRELIMINARY PROCEDURE OF LINE CONDUCTED EMISSION TEST

- The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. When the EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.10 (see Test Facility for the dimensions of the ground plane used). When the EUT is a floor-standing equipment, it is placed on the ground plane which has a 3-12 mm non-conductive covering to insulate the EUT from the ground plane.
- 2. Support equipment, if needed, was placed as per ANSI C63.10.
- 3. All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10.
- 4. All support equipments received AC120V/60Hz power from a LISN, if any.
- 5. The EUT received DC 5V power from adapter which received AC120V/60Hz power from a LISN.
- 6. The test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
- 7. Analyzer / Receiver scanned from 150 kHz to 30MHz for emissions in each of the test modes.
- 8. During the above scans, the emissions were maximized by cable manipulation.
- 9. The test mode(s) were scanned during the preliminary test.

Then, the EUT configuration and cable configuration of the above highest emission level were recorded for reference of final testing.

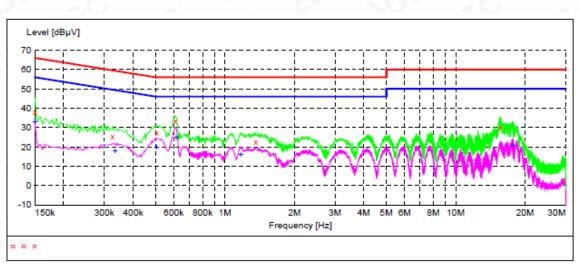
13.4. FINAL PROCEDURE OF LINE CONDUCTED EMISSION TEST

- 1. EUT and support equipment was set up on the test bench as per step 2 of the preliminary test.
- A scan was taken on both power lines, Line 1 and Line 2, recording at least the six highest emissions. Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit. If EUT emission level was less –2dB to the A.V. limit in Peak mode, then the emission signal was re-checked using Q.P and Average detector.
- 3. The test data of the worst case condition(s) was reported on the Summary Data page.

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13.5. TEST RESULT OF LINE CONDUCTED EMISSION TEST



Line Conducted Emission Test Line 1-L

MEASUREMENT RESULT

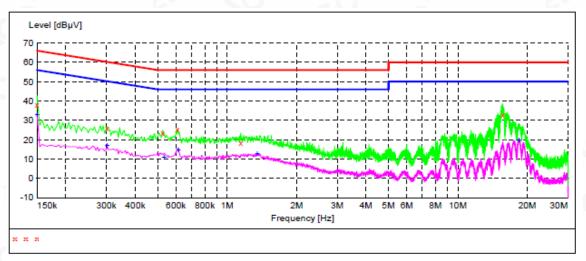
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.150000 0.326000 0.506000 0.610000 1.362000 15.622000	37.90 25.30 27.10 33.50 22.70 30.10	11.3 11.3 11.3 11.3 11.3 11.3 13.0	66 60 56 56 56 60	28.1 34.3 28.9 22.5 33.3 29.9	QP QP	L1 L1 L1 L1 L1 L1

MEASUREMENT RESULT

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.150000 0.334000 0.506000 0.614000 1.170000 17.682000	33.00 17.70 19.80 25.10 15.80 20.80	11.3 11.3 11.3 11.3 11.3 11.3 13.1	56 49 46 46 50	23.0 31.7 26.2 20.9 30.2 29.2		L1 L1 L1 L1 L1 L1

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Line Conducted Emission Test Line 2-N

MEASUREMENT RESULT

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.150000	38.10	11.3	66	27.9	QP	N
0.302000	26.00	11.3	60	34.2	QP	N
0.526000	23.70	11.3	56	32.3	QP	N
0.610000	25.50	11.3	56	30.5	QP	N
1.146000	18.40	11.3	56	37.6	QP	N
15.622000	32.70	13.0	60	27.3	QP	N

MEASUREMENT RESULT

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.150000 0.302000 0.534000 0.614000 1.350000	33.00 16.80 10.70 14.80 12.90	11.3 11.3 11.3 11.3 11.3	56 50 46 46	33.4 35.3 19.2	AV	N N N N
18.382000	20.00	13.2	50	30.0	AV	N

RESULT: PASS

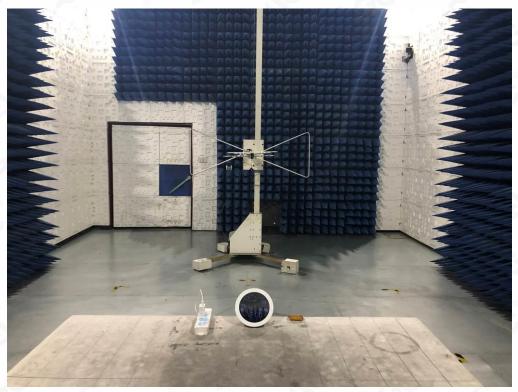
Note: All the test modes had been tested, the mode 1 was the worst case. Only the data of the worst case would be record in this test report.

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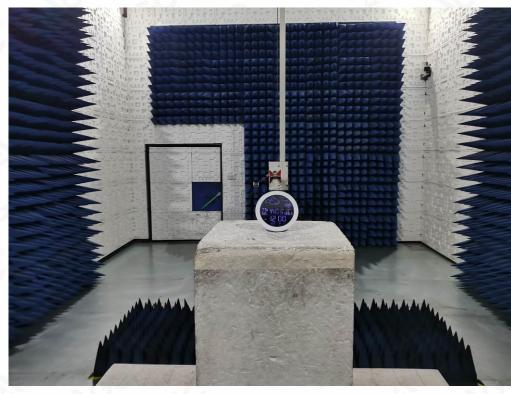


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APPENDIX A: PHOTOGRAPHS OF TEST SETUP FCC RADIATED EMISSION TEST SETUP BELOW 1GHZ



FCC RADIATED EMISSION TEST SETUP ABOVE 1GHZ



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CONDUCTED EMISSION TEST SETUP

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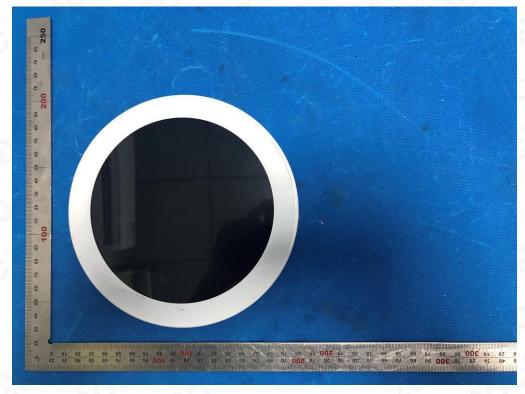


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APPENDIX B: PHOTOGRAPHS OF EUT ALL VIEW OF EUT

TOP VIEW OF EUT



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BOTTOM VIEW OF EUT

FRONT VIEW OF EUT



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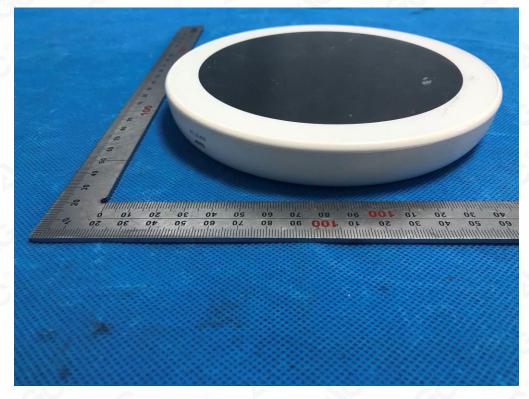


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BACK VIEW OF EUT



LEFT VIEW OF EUT



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RIGHT VIEW OF EUT



OPEN VIEW OF EUT-1



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