
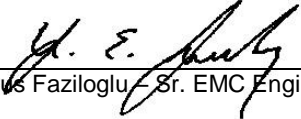




# Test Report



Curtis-Straus LLC, a wholly owned subsidiary of BV CPS

Report No	ES0691-1
Client	Ideal Industries, Inc.
Address	Becker Place Sycamore, IL 60178
Phone	815-895-1295
Items tested	AH-T, AH-THD, AH-TX2
FCC ID	2AAMXRPS2000
IC ID	11250A-RPS2000
FRN	0002862225
Equipment Type	Digital Transmission System
Equipment Code	DTS
Emission Designator	769KG1D
FCC/IC Rule Parts	CFR Title 47 FCC 15.247, ISED Canada RSS-247 Issue 2
Test Dates	March 12th to 14th, 2018
Results	As detailed within this report
Prepared by	 Zachary Johnson EMC Engineer
Authorized by	 Yunus Faziloglu Sr. EMC Engineer
Issue Date	4/23/2018
Conditions of Issue	This Test Report is issued subject to the conditions stated in the 'Conditions of Testing' section on page 28 of this report.

Curtis-Straus LLC is accredited by the American Association for Laboratory Accreditation for the specific scope of accreditation under Certificate Number 1627-01. This report may contain data which is not covered by the A2LA accreditation.



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Form Final Report REV 7-20-07 (DW)



## Summary

Previously certified Model: RPS2000 with FCC ID: 2AAMXRPS2000 and IC: 11250A-RPS2000 was modified to add 3 product variants, namely: AH-T, AH-THD and AH-TX2.

Original test report for RPS2000 is Curtis-Straus Test Report EQ0290-1.

Modifications are as follows:

### AH-T

Additions :

R13 – Mfg: SEI P/N:RMCF0603FT10K0 Desc: 10Kohm, 1% 0603

R15 – Mfg: Murata P/N:NCP18XH103F03RB Desc: 10K ohm NTC Thermistor

C30 – Mfg: Murata P/N:GRM188R71H102KA01D Desc: 1nF 50V 10% X7R

Removal:

R5, R14, C36, C37, ESD1, ESD2, P4

### AH-THD

Additions :

R13 – Mfg: SEI P/N:RMCF0603FT10K0 Desc: 10Kohm, 1% 0603

R15 – Mfg: Murata P/N:NCP18XH103F03RB Desc: 10K ohm NTC Thermistor

C23,C30 – Mfg: Murata P/N:GRM188R71H102KA01D Desc: 1nF 50V 10% X7R

C29 – Mfg: Murata P/N:GRM188R71C104KA01D Desc: 0.1uf 16V 10% X7R

R12 – Mfg: SEI P/N:RMCF0603FT75K0 Desc: 75K ohm 1% 0603

U6 – Mfg: Honeywell P/N:HIH-5030 Desc: Humidity Sensor

Removal:

R5, R14, C36, C37, ESD1, ESD2, P4

### AH-TX2

Additions :

R13 – Mfg: SEI P/N:RMCF0603FT10K0 Desc: 10Kohm, 1% 0603

R15 – Mfg: Murata P/N:NCP18XH103F03RB Desc: 10K ohm NTC Thermistor

C30 – Mfg: Murata P/N:GRM188R71H102KA01D Desc: 1nF 50V 10% X7R

The products are digitally modulated transmitters that operate in the 902.7MHz to 927.3MHz frequency range. Products were tested for radiated spurious emissions only. Test samples were received in good condition.

**Test Methodology**

All testing was performed according to the following rules/procedures/documents;  
 CFR 47 Part 15.247, RSS-247 Issue 2, RSS-Gen Issue 4, FCC KDB 558074 D01 DTS  
 Measurement Guidance v04 and ANSI C63.10-2013.

Radiated emissions were maximized by rotating the device around 3 orthogonal planes (X, Y and Z) as well as varying the test antenna’s height and polarity. The device antenna could not be maximized separately. 3 channels were tested as follows: Low: 902.7 MHz, Middle: 915MHz, High: 927.3MHz

Following bandwidths were used during radiated spurious emissions testing.

Frequency	RBW	VBW
30-1000MHz	120kHz	1MHz
1-10GHz	1MHz	3MHz

**Statement of Conformity**

AH-T, AH-THD and AH-TX2 complied with radiated spurious emissions requirements of FCC 15.247 and RSS-247 Issue 2



**Product Tested - Configuration Documentation**

EUT Configuration											
<b>Work Order:</b>		S0691									
<b>Company:</b>		Ideal Industries, Inc.									
<b>Company Address:</b>		566 Alpha Drive Pittsburgh, PA, 15238									
<b>Contact:</b>		Charlie Greene									
		MN			PN			SN			
<b>EUT:</b>		AH-T			--						
		AH-THD			--						
		AH-TX2			--						
<b>EUT Description:</b>		Partition Sensor									
<b>EUT TX Frequency:</b>		902.7- 927.3 MHz									
<b>Port Label</b>	<b>Port Type</b>	<b># ports</b>	<b># populated</b>	<b>cable type</b>	<b>shielded</b>	<b>ferrites</b>	<b>length (m)</b>	<b>in/out</b>	<b>under test</b>	<b>comment</b>	
Switch	terminal	1	1	four wires	No	No	1	in	yes	AH-TX2 Only	
<b>Software Operating Mode Description:</b>											
EUT is set to transmit at 902.7 MHz, 915 MHz and 927.3 MHz respectively. Pressing ON button to change from one channel to another channel. Modulation used is DMSS.											



## Test Results

### Radiated Spurious Emissions

#### LIMITS

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a).

[15.247(d)]

Radiated emissions were maximized by rotating the device around 3 orthogonal planes (X, Y and Z) and worst case emissions observed in X orientation, lying flat. All the results below are for the X orientation. A 4 wire cable was present on the AH-TX2 device for testing; the AH-T and AH-THD do not have a sensor cable port.

#### MEASUREMENTS / RESULTS

Curtis Straus - a Bureau Veritas Company	Work Order - S0565
Radiated Emissions Electric Field 3m Distance	EUT Power Input - Battery Powered
Top Peaks Vertical 30-1000MHz	Test Site - CH-1
Operator: ZJ	Conditions - 21.8°C; 22%RH; 1010mBar
Notes:	
AH-T in Low Channel	
Data Taken at 11:27:40 AM, Tuesday, March 13, 2018	

Frequency (MHz)	Peak Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Lim1: FCC_pt15_1 09_Class_B (dBµV/m)	Lim1 Margin (dB)	Lim1 Test Results (Pass/Fail)	Worst Margin Lim1 (dB)	Antenna Height (cm)	Turntable Azimuth (degrees)
30.024	28	-0.3	27.7	40	-12.3	PASS	-12.3	150	135
142.156	28.4	-8.4	20	43.5	-23.6	PASS		150	0
190.099	31.6	-10.4	21.2	43.5	-22.3	PASS		100	90
196.306	30.8	-9.5	21.3	43.5	-22.2	PASS		100	135
813.639	28.5	2.5	30.9	46	-15.1	PASS		200	225



Curtis Straus - a Bureau Veritas Company Radiated Emissions Electric Field 3m Distance Top Peaks Horizontal 30-1000MHz Operator: ZJ Notes: AH-T in Low Channel	Work Order - S0565 EUT Power Input - Battery Powered Test Site - CH-1 Conditions - 21.8°C; 22%RH; 1010mBar
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Data Taken at 11:27:41 AM, Tuesday, March 13, 2018

Frequency (MHz)	Peak Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Lim1: FCC_pt15_1 09_Class_B (dBµV/m)	Lim1 Margin (dB)	Lim1 Test Results (Pass/Fail)	Worst Margin Lim1 (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
30.073	28.2	-0.4	27.8	40	-12.2	PASS	-12.2	100	90
134.518	28.2	-8	20.2	43.5	-23.4	PASS		250	135
200.793	29.1	-9.1	20.1	43.5	-23.4	PASS		200	270
794.481	28.4	2.2	30.6	46	-15.4	PASS		250	135

30-1000MHz AH-T Low Channel

Curtis Straus - a Bureau Veritas Company Radiated Emissions Electric Field 3m Distance Top Peaks Vertical 30-1000MHz Operator: ZJ Notes: AH-T in Center Channel	Work Order - S0565 EUT Power Input - Battery Powered Test Site - CH-1 Conditions - 21.8°C; 22%RH; 1010mBar
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Data Taken at 11:50:49 AM, Tuesday, March 13, 2018

Frequency (MHz)	Peak Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Lim1: FCC_pt15_1 09_Class_B (dBµV/m)	Lim1 Margin (dB)	Lim1 Test Results (Pass/Fail)	Worst Margin Lim1 (dB)	Antenna Height (cm)	Turntable Azimuth (degrees)
30.242	26.9	-0.5	26.4	40	-13.6	PASS	-13.6	200	180
117.712	28.6	-8.5	20.1	43.5	-23.4	PASS		100	0
190.05	31.9	-10.4	21.5	43.5	-22	PASS		100	135
800.544	27.8	2.6	30.4	46	-15.6	PASS		200	225



Curtis Straus - a Bureau Veritas Company Radiated Emissions Electric Field 3m Distance Top Peaks Horizontal 30-1000MHz Operator: ZJ Notes: AH-T in Center Channel	Work Order - S0565 EUT Power Input - Battery Powered Test Site - CH-1 Conditions - 21.8°C; 22%RH; 1010mBar
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Data Taken at 11:50:49 AM, Tuesday, March 13, 2018

Frequency (MHz)	Peak Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Lim1: FCC_pt15_1 09_Class_B (dBµV/m)	Lim1 Margin (dB)	Lim1 Test Results (Pass/Fail)	Worst Margin Lim1 (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
30.291	26.5	-0.5	26	40	-14	PASS	-14	200	45
136.361	28.7	-8	20.7	43.5	-22.8	PASS		250	180
806.291	28.2	2.7	30.9	46	-15.2	PASS		100	270

30-1000MHz AH-T Center Channel

Curtis Straus - a Bureau Veritas Company Radiated Emissions Electric Field 3m Distance Top Peaks Vertical 30-1000MHz Operator: ZJ Notes: AH-T in High Channel	Work Order - S0565 EUT Power Input - Battery Powered Test Site - CH-1 Conditions - 21.8°C; 22%RH; 1010mBar
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Data Taken at 01:23:02 PM, Tuesday, March 13, 2018

Frequency (MHz)	Peak Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Lim1: FCC_pt15_1 09_Class_B (dBµV/m)	Lim1 Margin (dB)	Lim1 Test Results (Pass/Fail)	Worst Margin Lim1 (dB)	Antenna Height (cm)	Turntable Azimuth (degrees)
31.431	30.3	-1.4	28.9	40	-11.1	PASS	-11.1	100	90
159.786	29.8	-9.5	20.3	43.5	-23.2	PASS		150	315
191.845	31	-10.2	20.8	43.5	-22.7	PASS		100	135
193.081	31.9	-10	21.9	43.5	-21.6	PASS		100	135
199.459	30.4	-9	21.4	43.5	-22.1	PASS		150	135
811.287	28.9	2.5	31.4	46	-14.6	PASS		100	90





Curtis Straus - a Bureau Veritas Company Radiated Emissions Electric Field 3m Distance Top Peaks Horizontal 30-1000MHz Operator: ZJ Notes: AH-T in High Channel	Work Order - S0565 EUT Power Input - Battery Powered Test Site - CH-1 Conditions - 21.8°C; 22%RH; 1010mBar
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Data Taken at 01:23:02 PM, Tuesday, March 13, 2018

Frequency (MHz)	Peak Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Lim1: FCC_pt15_1 09_Class_B (dBµV/m)	Lim1 Margin (dB)	Lim1 Test Results (Pass/Fail)	Worst Margin Lim1 (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
30	26.8	-0.3	26.5	40	-13.5	PASS	-13.5	250	90
128.722	28.3	-8	20.4	43.5	-23.2	PASS		250	135
196.597	29.3	-9.4	19.9	43.5	-23.6	PASS		250	180
786.455	28.4	2.1	30.5	46	-15.5	PASS		200	45

30-1000MHz AH-T High Channel

Curtis Straus - a Bureau Veritas Company Radiated Emissions Electric Field 3m Distance Top Peaks Vertical 30-1000MHz Operator: ZJ Notes: THD in Low Channel	Work Order - S0565 EUT Power Input - Battery Powered Test Site - CH-1 Conditions - 21.8°C; 22%RH; 1010mBar
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Data Taken at 10:06:54 AM, Tuesday, March 13, 2018

Frequency (MHz)	Peak Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Lim1: FCC_pt15_1 09_Class_B (dBµV/m)	Lim1 Margin (dB)	Lim1 Test Results (Pass/Fail)	Worst Margin Lim1 (dB)	Antenna Height (cm)	Turntable Azimuth (degrees)
31.552	27.9	-1.5	26.4	40	-13.6	PASS	-13.6	100	270
143.369	28.4	-8.5	19.9	43.5	-23.6	PASS		150	135
190.292	32.5	-10.4	22.1	43.5	-21.4	PASS		100	270
800.18	28.2	2.6	30.8	46	-15.2	PASS		150	225



Curtis Straus - a Bureau Veritas Company Radiated Emissions Electric Field 3m Distance Top Peaks Horizontal 30-1000MHz Operator: ZJ Notes: THD in Low Channel	Work Order - S0565 EUT Power Input - Battery Powered Test Site - CH-1 Conditions - 21.8°C; 22%RH; 1010mBar
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Data Taken at 10:06:54 AM, Tuesday, March 13, 2018

Frequency (MHz)	Peak Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Lim1: FCC_pt15_1 09_Class_B (dBµV/m)	Lim1 Margin (dB)	Lim1 Test Results (Pass/Fail)	Worst Margin Lim1 (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
30.17	27.3	-0.4	26.8	40	-13.2	PASS	-13.2	250	180
129.425	28.3	-8	20.3	43.5	-23.3	PASS		250	180
767.467	29.1	1.9	31	46	-15	PASS		250	45

30-1000MHz AH-THD Low Channel

Curtis Straus - a Bureau Veritas Company Radiated Emissions Electric Field 3m Distance Top Peaks Vertical 30-1000MHz Operator: ZJ Notes: THD in Center Channel	Work Order - S0565 EUT Power Input - Battery Powered Test Site - CH-1 Conditions - 21.8°C; 22%RH; 1010mBar
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Data Taken at 10:29:14 AM, Tuesday, March 13, 2018

Frequency (MHz)	Peak Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Lim1: FCC_pt15_1 09_Class_B (dBµV/m)	Lim1 Margin (dB)	Lim1 Test Results (Pass/Fail)	Worst Margin Lim1 (dB)	Antenna Height (cm)	Turntable Azimuth (degrees)
30.436	27.7	-0.6	27.1	40	-12.9	PASS	-12.9	150	180
146.473	28.6	-8.8	19.8	43.5	-23.8	PASS		150	135
190.026	33.2	-10.4	22.8	43.5	-20.7	PASS		100	270
192.014	31.7	-10.2	21.5	43.5	-22	PASS		100	135
814.948	28.1	2.4	30.5	46	-15.5	PASS		200	135



Curtis Straus - a Bureau Veritas Company  
 Radiated Emissions Electric Field 3m Distance  
 Top Peaks Horizontal 30-1000MHz  
 Operator: ZJ  
 Notes:  
 THD in Center Channel

Work Order - S0565  
 EUT Power Input - Battery Powered  
 Test Site - CH-1  
 Conditions - 21.8°C; 22%RH; 1010mBar

Data Taken at 10:29:14 AM, Tuesday, March 13, 2018

Frequency (MHz)	Peak Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Lim1: FCC_pt15_1 09_Class_B (dBµV/m)	Lim1 Margin (dB)	Lim1 Test Results (Pass/Fail)	Worst Margin Lim1 (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
30	26.7	-0.3	26.3	40	-13.7	PASS	-13.7	100	135
196.404	29.9	-9.4	20.5	43.5	-23.1	PASS		200	180
791.402	28.3	2.2	30.5	46	-15.5	PASS		100	180

30-1000MHz AH-THD Center Channel

Curtis Straus - a Bureau Veritas Company  
 Radiated Emissions Electric Field 3m Distance  
 Top Peaks Vertical 30-1000MHz  
 Operator: ZJ  
 Notes:  
 THD in High Channel

Work Order - S0565  
 EUT Power Input - Battery Powered  
 Test Site - CH-1  
 Conditions - 21.8°C; 22%RH; 1010mBar

Data Taken at 10:58:14 AM, Tuesday, March 13, 2018

Frequency (MHz)	Peak Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Lim1: FCC_pt15_1 09_Class_B (dBµV/m)	Lim1 Margin (dB)	Lim1 Test Results (Pass/Fail)	Worst Margin Lim1 (dB)	Antenna Height (cm)	Turntable Azimuth (degrees)
30.509	26.9	-0.7	26.2	40	-13.8	PASS	-13.8	200	90
135.657	28.1	-8	20.1	43.5	-23.4	PASS		150	225
190.123	31.4	-10.4	21	43.5	-22.5	PASS		150	270
793.075	29.2	2.2	31.4	46	-14.6	PASS		150	315



Curtis Straus - a Bureau Veritas Company Radiated Emissions Electric Field 3m Distance Top Peaks Horizontal 30-1000MHz Operator: ZJ Notes: THD in High Channel	Work Order - S0565 EUT Power Input - Battery Powered Test Site - CH-1 Conditions - 21.8°C; 22%RH; 1010mBar
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Data Taken at 10:58:14 AM, Tuesday, March 13, 2018

Frequency (MHz)	Peak Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Lim1: FCC_pt15_1 09_Class_B (dBµV/m)	Lim1 Margin (dB)	Lim1 Test Results (Pass/Fail)	Worst Margin Lim1 (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
30.097	26.9	-0.4	26.5	40	-13.5	PASS	-13.5	250	90
131.511	28.7	-8	20.7	43.5	-22.9	PASS		150	225
805.83	28.3	2.7	31	46	-15	PASS		200	180

30-1000MHz AH-THD High Channel

Curtis Straus - a Bureau Veritas Company Radiated Emissions Electric Field 3m Distance Top Peaks Vertical 30-1000MHz Operator: ZJ Notes: TX2 in Low Channel	Work Order - S0565 EUT Power Input - Battery Powered Test Site - CH-1 Conditions - 21.8°C; 22%RH; 1010mBar
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Data Taken at 06:34:15 PM, Monday, March 12, 2018

Frequency (MHz)	Peak Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Lim1: FCC_pt15_1 09_Class_B (dBµV/m)	Lim1 Margin (dB)	Lim1 Test Results (Pass/Fail)	Worst Margin Lim1 (dB)	Antenna Height (cm)	Turntable Azimuth (degrees)
30.534	26.5	-0.7	25.8	40	-14.2	PASS	-14.2	100	135
126.345	28.5	-8	20.4	43.5	-23.1	PASS		200	225
177.658	30.8	-10.4	20.5	43.5	-23.1	PASS		200	315
807.673	27.8	2.6	30.4	46	-15.6	PASS		200	270



Curtis Straus - a Bureau Veritas Company Radiated Emissions Electric Field 3m Distance Top Peaks Horizontal 30-1000MHz Operator: ZJ Notes: TX2 in Low Channel	Work Order - S0565 EUT Power Input - Battery Powered Test Site - CH-1 Conditions - 21.8°C; 22%RH; 1010mBar
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Data Taken at 06:42:43 PM, Monday, March 12, 2018

Frequency (MHz)	Peak Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Lim1: FCC_pt15_1 09_Class_B (dBµV/m)	Lim1 Margin (dB)	Lim1 Test Results (Pass/Fail)	Worst Margin Lim1 (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
111.068	41.6	-9.1	32.5	43.5	-11	PASS		100	180
115.627	49.9	-8.7	41.3	43.5	-2.3	PASS	-2.3	150	180
120.016	44.9	-8.4	36.5	43.5	-7.1	PASS		200	180
123.605	44	-8.2	35.8	43.5	-7.7	PASS		250	225
145.018	39.5	-8.8	30.8	43.5	-12.7	PASS		150	270
809.662	28.6	2.6	31.2	46	-14.8	PASS		200	225

30-1000MHz AH-TX2 Low Channel

Curtis Straus - a Bureau Veritas Company Radiated Emissions Electric Field 3m Distance Top Peaks Vertical 30-1000MHz Operator: ZJ Notes: TX2 in Center Channel	Work Order - S0565 EUT Power Input - Battery Powered Test Site - CH-1 Conditions - 21.8°C; 22%RH; 1010mBar
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Data Taken at 05:58:07 PM, Monday, March 12, 2018

Frequency (MHz)	Peak Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Lim1: FCC_pt15_1 09_Class_B (dBµV/m)	Lim1 Margin (dB)	Lim1 Test Results (Pass/Fail)	Worst Margin Lim1 (dB)	Antenna Height (cm)	Turntable Azimuth (degrees)
31.285	28	-1.3	26.8	40	-13.2	PASS	-13.2	150	180
115.578	29.8	-8.7	21.1	43.5	-22.4	PASS		200	45
761.865	29.1	1.8	30.9	46	-15.1	PASS		200	225



Curtis Straus - a Bureau Veritas Company  
 Radiated Emissions Electric Field 3m Distance  
 Top Peaks Horizontal 30-1000MHz  
 Operator: ZJ  
 Notes:  
 TX2 in Center Channel

Work Order - S0565  
 EUT Power Input - Battery Powered  
 Test Site - CH-1  
 Conditions - 21.8°C; 22%RH; 1010mBar

Data Taken at 05:58:07 PM, Monday, March 12, 2018

Frequency (MHz)	Peak Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Lim1: FCC_pt15_1 09_Class_B (dBµV/m)	Lim1 Margin (dB)	Lim1 Test Results (Pass/Fail)	Worst Margin Lim1 (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
30.267	26.5	-0.5	26	40	-14	PASS	-14	150	180
370.834	31.7	-5.4	26.2	46	-19.8	PASS		100	90
375.005	30.3	-5.5	24.8	46	-21.2	PASS		150	90
434.029	33.4	-4.5	28.9	46	-17.1	PASS		150	135
442.759	32.8	-4.2	28.6	46	-17.4	PASS		100	135
749.788	29.6	1.4	31	46	-15.1	PASS		200	135

30-1000MHz AH-TX2 Center Channel

Curtis Straus - a Bureau Veritas Company  
 Radiated Emissions Electric Field 3m Distance  
 Top Peaks Vertical 30-1000MHz  
 Operator: ZJ  
 Notes:  
 TX2 in High Channel

Work Order - S0565  
 EUT Power Input - Battery Powered  
 Test Site - CH-1  
 Conditions - 21.8°C; 22%RH; 1010mBar

Data Taken at 06:13:09 PM, Monday, March 12, 2018

Frequency (MHz)	Peak Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Lim1: FCC_pt15_1 09_Class_B (dBµV/m)	Lim1 Margin (dB)	Lim1 Test Results (Pass/Fail)	Worst Margin Lim1 (dB)	Antenna Height (cm)	Turntable Azimuth (degrees)
30.267	26.4	-0.5	25.9	40	-14.1	PASS	-14.1	200	315
286.298	34.5	-7.8	26.7	46	-19.4	PASS		100	135
297.914	33.8	-7.9	25.9	46	-20.1	PASS		100	180
342.413	32.4	-7	25.5	46	-20.5	PASS		200	225
434.029	29.3	-4.5	24.8	46	-21.2	PASS		100	315
802.072	28.2	2.7	31	46	-15.1	PASS		100	0



Curtis Straus - a Bureau Veritas Company  
 Radiated Emissions Electric Field 3m Distance  
 Top Peaks Horizontal 30-1000MHz  
 Operator: ZJ  
 Notes:  
 TX2 in High Channel

Work Order - S0565  
 EUT Power Input - Battery Powered  
 Test Site - CH-1  
 Conditions - 21.8°C; 22%RH; 1010mBar

Data Taken at 06:23:31 PM, Monday, March 12, 2018

Frequency (MHz)	Peak Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Lim1: FCC_pt15_109_Class_B (dBµV/m)	Lim1 Margin (dB)	Lim1 Test Results (Pass/Fail)	Worst Margin Lim1 (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
30.17	27.1	-0.4	26.7	40	-13.3	PASS	-13.3	150	225
124.502	28.2	-8.1	20.1	43.5	-23.4	PASS		200	315
809.128	27.7	2.6	30.3	46	-15.7	PASS		100	315

30-1000MHz AH-TX2 High Channel

Curtis Straus - a Bureau Veritas Company  
 Radiated Emissions Electric Field 3m Distance  
 1-6GHz Vertical Data  
 Operator: ZJ  
 Notes:  
 AH-T in Low Channel

Work Order - S0565  
 EUT Power Input - Battery Powered  
 Test Site - CH-1  
 Conditions - 21.8°C; 22%RH; 1010mBar  
 0  
 0

Data Taken at 03:53:07 PM, Tuesday, March 13, 2018

Frequency (MHz)	Raw Peak Reading (dBµV)	Raw Avg Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Pk Lim: FCC_pt15_109_Class_B_Peak (dBµV/m)	Peak Margin (dB)	Peak Results (Pass/Fail)	Worst Peak Margin (dB)	Adjusted Avg Amplitude (dBµV/m)	Av Lim: FCC_pt15_109_ClassB_AVG (dBµV/m)	Avg Margin (dB)	Avg Results (Pass/Fail)	Worst Avg Margin (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
1118.7	33.3	24.4	0.9	34.2	74	-39.8	PASS		25.3	54	-28.6	PASS		225	145
1371.3	33	24.3	1.7	34.7	74	-39.3	PASS		26	54	-28	PASS		108	323
2354.8	34.8	25.2	6.2	41.1	74	-32.9	PASS		31.4	54	-22.6	PASS		125	203
3610.9	40.1	34.8	10.1	50.2	74	-23.8	PASS	-23.8	44.8	54	-9.1	PASS	-9.1	118	47
5263.8	33.8	24.7	13.4	47.2	74	-26.8	PASS		38.2	54	-15.8	PASS		175	50
5435.2	34.4	24.8	14.7	49.1	74	-24.9	PASS		39.5	54	-14.5	PASS		294	85

Curtis Straus - a Bureau Veritas Company  
 Radiated Emissions Electric Field 3m Distance  
 1-6GHz Horizontal Data  
 Operator: ZJ  
 Notes:  
 AH-T in Low Channel

Work Order - S0565  
 EUT Power Input - Battery Powered  
 Test Site - CH-1  
 Conditions - 21.8°C; 22%RH; 1010mBar  
 0  
 0

Data Taken at 03:53:07 PM, Tuesday, March 13, 2018

Frequency (MHz)	Raw Peak Reading (dBµV)	Raw Avg Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Pk Lim: FCC_pt15_109_Class_B_Peak (dBµV/m)	Peak Margin (dB)	Peak Results (Pass/Fail)	Worst Peak Margin (dB)	Adjusted Avg Amplitude (dBµV/m)	Av Lim: FCC_pt15_109_ClassB_AVG (dBµV/m)	Avg Margin (dB)	Avg Results (Pass/Fail)	Worst Average Margin (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
1093.2	31.7	23.9	0.7	32.4	74	-41.6	PASS		24.6	54	-29.3	PASS		275	213
1364.3	31.3	24.2	1.7	33	74	-41	PASS		25.9	54	-28.1	PASS		225	268
1806.7	33.8	24.6	3.6	37.4	74	-36.6	PASS		28.2	54	-25.8	PASS		203	290
2460.1	33	25.1	6.7	39.7	74	-34.3	PASS		31.8	54	-22.2	PASS		102	265
3610.4	37.3	33.5	10	47.3	74	-26.6	PASS	-26.6	43.5	54	-10.4	PASS	-10.4	118	86
5265	32.9	24.9	13.4	46.3	74	-27.7	PASS		38.3	54	-15.7	PASS		175	179

1-6GHz AH-T Low Channel



Curtis Straus - a Bureau Veritas Company  
 Radiated Emissions Electric Field 3m Distance  
 1-6GHz Vertical Data  
 Operator: ZJ  
 Notes:  
 AH-T in Center Channel

Work Order - S0565  
 EUT Power Input - Battery Powered  
 Test Site - CH-1  
 Conditions - 21.8°C; 22%RH; 1010mBar  
 0  
 0

Data Taken at 04:44:03 PM, Tuesday, March 13, 2018

Frequency (MHz)	Raw Peak Reading (dBµV)	Raw Avg Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Pk Lim: FCC_pt15_109_ClassB_Peak (dBµV/m)	Peak Margin (dB)	Peak Results (Pass/Fail)	Worst Peak Margin (dB)	Adjusted Avg Amplitude (dBµV/m)	Av Lim: FCC_pt15_109_ClassB_AVG (dBµV/m)	Avg Margin (dB)	Avg Results (Pass/Fail)	Worst Avg Margin (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
1363	33.4	24.2	1.7	35.1	74	-38.9	PASS		25.9	54	-28.1	PASS		175	139
2483.7	34.3	25	6.8	41.1	74	-32.9	PASS		31.7	54	-22.2	PASS		125	174
3660.1	38.9	34	10.7	49.6	74	-24.3	PASS	-24.3	44.7	54	-9.3	PASS	-9.3	197	296
5257.8	33.3	24.7	13.4	46.7	74	-27.2	PASS		38.1	54	-15.9	PASS		275	123
5280.8	33.8	24.6	13.5	47.3	74	-26.7	PASS		38	54	-15.9	PASS		297	96
5709.1	35.5	25.5	13.9	49.3	74	-24.7	PASS		39.4	54	-14.6	PASS		199	307

Curtis Straus - a Bureau Veritas Company  
 Radiated Emissions Electric Field 3m Distance  
 1-6GHz Horizontal Data  
 Operator: ZJ  
 Notes:  
 AH-T in Center Channel

Work Order - S0565  
 EUT Power Input - Battery Powered  
 Test Site - CH-1  
 Conditions - 21.8°C; 22%RH; 1010mBar  
 0  
 0

Data Taken at 04:44:03 PM, Tuesday, March 13, 2018

Frequency (MHz)	Raw Peak Reading (dBµV)	Raw Avg Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Pk Lim: FCC_pt15_109_ClassB_Peak (dBµV/m)	Peak Margin (dB)	Peak Results (Pass/Fail)	Worst Peak Margin (dB)	Adjusted Avg Amplitude (dBµV/m)	Av Lim: FCC_pt15_109_ClassB_AVG (dBµV/m)	Avg Margin (dB)	Avg Results (Pass/Fail)	Worst Average Margin (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
1127.7	34.4	24.5	0.9	35.3	74	-38.7	PASS		25.4	54	-28.6	PASS		297	202
1395.9	32.9	24.4	1.6	34.6	74	-39.4	PASS		26	54	-28	PASS		290	203
2439.7	33.8	25.2	6.5	40.3	74	-33.6	PASS		31.7	54	-22.2	PASS		100	47
3221.1	34.5	24.9	10.2	44.7	74	-29.3	PASS		35.1	54	-18.9	PASS		300	213
3660	40.7	36	10.7	51.4	74	-22.6	PASS	-22.6	46.7	54	-7.3	PASS	-7.3	125	136
5272.7	32.9	24.6	13.5	46.3	74	-27.7	PASS		38.1	54	-15.9	PASS		109	227

1-6GHz AH-T Center Channel

Curtis Straus - a Bureau Veritas Company  
 Radiated Emissions Electric Field 3m Distance  
 1-6GHz Vertical Data  
 Operator: ZJ  
 Notes:  
 AH-T in High Channel

Work Order - S0565  
 EUT Power Input - Battery Powered  
 Test Site - CH-1  
 Conditions - 21.8°C; 22%RH; 1010mBar  
 0  
 0

Data Taken at 05:34:00 PM, Tuesday, March 13, 2018

Frequency (MHz)	Raw Peak Reading (dBµV)	Raw Avg Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Pk Lim: FCC_pt15_109_ClassB_Peak (dBµV/m)	Peak Margin (dB)	Peak Results (Pass/Fail)	Worst Peak Margin (dB)	Adjusted Avg Amplitude (dBµV/m)	Av Lim: FCC_pt15_109_ClassB_AVG (dBµV/m)	Avg Margin (dB)	Avg Results (Pass/Fail)	Worst Avg Margin (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
1375.7	33.9	24.3	1.7	35.6	74	-38.4	PASS		26	54	-28	PASS		211	199
3709.2	39.9	34.6	10.9	50.8	74	-23.2	PASS	-23.2	45.5	54	-8.5	PASS	-8.5	176	256
5188.4	34.4	25.1	13.3	47.7	74	-26.2	PASS		38.5	54	-15.5	PASS		275	163
5262.9	34.2	24.7	13.4	47.6	74	-26.3	PASS		38.1	54	-15.9	PASS		225	0
5278.3	33.2	24.6	13.5	46.6	74	-27.4	PASS		38.1	54	-15.9	PASS		262	163
5805	34.1	25.1	13.6	47.7	74	-26.3	PASS		38.8	54	-15.2	PASS		125	0





Curtis Straus - a Bureau Veritas Company  
 Radiated Emissions Electric Field 3m Distance  
 1-6GHz Horizontal Data  
 Operator: ZJ  
 Notes:  
 AH-T in High Channel

Work Order - S0565  
 EUT Power Input - Battery Powered  
 Test Site - CH-1  
 Conditions - 21.8°C; 22%RH; 1010mBar  
 0  
 0

Data Taken at 05:34:00 PM, Tuesday, March 13, 2018

Frequency (MHz)	Raw Peak Reading (dBµV)	Raw Avg Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Pk Lim: FCC_pt15_109_ClassB_Peak (dBµV/m)	Peak Margin (dB)	Peak Results (Pass/Fail)	Worst Peak Margin (dB)	Adjusted Avg Amplitude (dBµV/m)	Av Lim: FCC_pt15_109_ClassB_AVG (dBµV/m)	Avg Margin (dB)	Avg Results (Pass/Fail)	Worst Average Margin (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
3069.3	34.6	25.4	9.4	44	74	-30	PASS		34.8	54	-19.2	PASS		299	280
3709.2	42.1	38.6	10.9	53	74	-21	PASS	-21	49.5	54	-4.5	PASS	-4.5	106	125
5187.8	34.4	25.1	13.3	47.7	74	-26.3	PASS		38.4	54	-15.6	PASS		175	0
5262.3	33.9	24.9	13.4	47.4	74	-26.6	PASS		38.3	54	-15.6	PASS		111	17
5286.5	33.7	24.6	13.5	47.2	74	-26.8	PASS		38	54	-16	PASS		282	207
5803	33.8	25.1	13.6	47.4	74	-26.6	PASS		38.7	54	-15.3	PASS		182	200

1-6GHz AH-T High Channel

Curtis Straus - a Bureau Veritas Company  
 Radiated Emissions Electric Field 3m Distance  
 1-6GHz Vertical Data  
 Operator: ZJ  
 Notes:  
 THD in Low Channel

Work Order - S0565  
 EUT Power Input - Battery Powered  
 Test Site - CH-1  
 Conditions - 21.8°C; 22%RH; 1010mBar  
 0  
 0

Data Taken at 08:10:18 PM, Tuesday, March 13, 2018

Frequency (MHz)	Raw Peak Reading (dBµV)	Raw Avg Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Pk Lim: FCC_pt15_109_ClassB_Peak (dBµV/m)	Peak Margin (dB)	Peak Results (Pass/Fail)	Worst Peak Margin (dB)	Adjusted Avg Amplitude (dBµV/m)	Av Lim: FCC_pt15_109_ClassB_AVG (dBµV/m)	Avg Margin (dB)	Avg Results (Pass/Fail)	Worst Average Margin (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
1418.8	33.5	24.5	1.7	35.3	74	-38.7	PASS		26.2	54	-27.8	PASS		102	58
2331.9	33	25.2	6.2	39.2	74	-34.7	PASS		31.4	54	-22.6	PASS		206	0
3610.8	40	35.5	10.1	50	74	-24	PASS	-24	45.5	54	-8.5	PASS	-8.5	187	269
5183.5	34.3	25.2	13.3	47.6	74	-26.3	PASS		38.5	54	-15.5	PASS		186	137
5267.6	34.7	24.8	13.4	48.1	74	-25.9	PASS		38.2	54	-15.8	PASS		220	179
5443.6	33.7	24.9	14.7	48.3	74	-25.7	PASS		39.6	54	-14.4	PASS		275	204

Curtis Straus - a Bureau Veritas Company  
 Radiated Emissions Electric Field 3m Distance  
 1-6GHz Horizontal Data  
 Operator: ZJ  
 Notes:  
 THD in Low Channel

Work Order - S0565  
 EUT Power Input - Battery Powered  
 Test Site - CH-1  
 Conditions - 21.8°C; 22%RH; 1010mBar  
 0  
 0

Data Taken at 08:10:18 PM, Tuesday, March 13, 2018

Frequency (MHz)	Raw Peak Reading (dBµV)	Raw Avg Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Pk Lim: FCC_pt15_109_ClassB_Peak (dBµV/m)	Peak Margin (dB)	Peak Results (Pass/Fail)	Worst Peak Margin (dB)	Adjusted Avg Amplitude (dBµV/m)	Av Lim: FCC_pt15_109_ClassB_AVG (dBµV/m)	Avg Margin (dB)	Avg Results (Pass/Fail)	Worst Average Margin (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
2463.2	34.5	25.1	6.7	41.2	74	-32.8	PASS		31.8	54	-22.2	PASS		125	86
3198.8	33.5	25.2	10.1	43.6	74	-30.4	PASS		35.3	54	-18.7	PASS		186	62
3610.6	38.7	34.6	10.1	48.8	74	-25.2	PASS	-25.2	44.6	54	-9.3	PASS	-9.3	125	331
5188.7	35.1	25.2	13.3	48.4	74	-25.6	PASS		38.5	54	-15.5	PASS		290	240
5261.5	33.7	24.7	13.4	47.2	74	-26.8	PASS		38.1	54	-15.8	PASS		125	242
5804.2	35.1	25.2	13.6	48.7	74	-25.3	PASS		38.8	54	-15.2	PASS		203	100

1-6GHz AH-THD Low Channel



BUREAU VERITAS



Curtis Straus - a Bureau Veritas Company  
 Radiated Emissions Electric Field 3m Distance  
 1-6GHz Vertical Data  
 Operator: ZJ  
 Notes:  
 THD in Center Channel

Work Order - S0565  
 EUT Power Input - Battery Powered  
 Test Site - CH-1  
 Conditions - 21.8°C; 22%RH; 1010mBar  
 0  
 0

Data Taken at 09:05:27 PM, Tuesday, March 13, 2018

Frequency (MHz)	Raw Peak Reading (dBµV)	Raw Avg Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Pk Lim: FCC_pt15_109_ClassB_Peak (dBµV/m)	Peak Margin (dB)	Peak Results (Pass/Fail)	Worst Peak Margin (dB)	Adjusted Avg Amplitude (dBµV/m)	Av Lim: FCC_pt15_109_ClassB_AVG (dBµV/m)	Avg Margin (dB)	Avg Results (Pass/Fail)	Worst Avg Margin (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
3610.7	39.6	34.9	10.1	49.6	74	-24.3	PASS	-24.3	44.9	54	-9.1	PASS	-9.1	206	270
4523.6	34.4	25	11.1	45.5	74	-28.5	PASS		36.1	54	-17.9	PASS		114	126
5185	35.8	25.2	13.3	49.1	74	-24.9	PASS		38.5	54	-15.5	PASS		201	29
5255.2	33.7	24.7	13.4	47.2	74	-26.8	PASS		38.1	54	-15.9	PASS		100	85
5284.1	33.5	24.7	13.5	47	74	-27	PASS		38.1	54	-15.8	PASS		125	215
5814.2	35.1	25.1	13.7	48.8	74	-25.2	PASS		38.8	54	-15.2	PASS		220	171

Curtis Straus - a Bureau Veritas Company  
 Radiated Emissions Electric Field 3m Distance  
 1-6GHz Horizontal Data  
 Operator: ZJ  
 Notes:  
 THD in Center Channel

Work Order - S0565  
 EUT Power Input - Battery Powered  
 Test Site - CH-1  
 Conditions - 21.8°C; 22%RH; 1010mBar  
 0  
 0

Data Taken at 09:05:27 PM, Tuesday, March 13, 2018

Frequency (MHz)	Raw Peak Reading (dBµV)	Raw Avg Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Pk Lim: FCC_pt15_109_ClassB_Peak (dBµV/m)	Peak Margin (dB)	Peak Results (Pass/Fail)	Worst Peak Margin (dB)	Adjusted Avg Amplitude (dBµV/m)	Av Lim: FCC_pt15_109_ClassB_AVG (dBµV/m)	Avg Margin (dB)	Avg Results (Pass/Fail)	Worst Average Margin (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
3610.7	39.9	34.3	10.1	49.9	74	-24	PASS	-24	44.3	54	-9.7	PASS	-9.7	125	534
5189.2	34.9	25.2	13.3	48.2	74	-25.8	PASS		38.5	54	-15.4	PASS		201	140
5250.9	33.8	24.7	13.4	47.3	74	-26.7	PASS		38.2	54	-15.8	PASS		112	55
5266	34.3	25	13.4	47.7	74	-26.3	PASS		38.4	54	-15.5	PASS		188	4
5280.2	33.6	24.6	13.5	47.1	74	-26.9	PASS		38.1	54	-15.9	PASS		205	239
5805.6	34	25.2	13.6	47.7	74	-26.3	PASS		38.8	54	-15.2	PASS		224	35

1-6GHz AH-THD Center Channel

Curtis Straus - a Bureau Veritas Company  
 Radiated Emissions Electric Field 3m Distance  
 1-6GHz Vertical Data  
 Operator: ZJ  
 Notes:  
 THD in High Channel

Work Order - S0565  
 EUT Power Input - Battery Powered  
 Test Site - CH-1  
 Conditions - 21.8°C; 22%RH; 1010mBar  
 0  
 0

Data Taken at 06:38:29 PM, Tuesday, March 13, 2018

Frequency (MHz)	Raw Peak Reading (dBµV)	Raw Avg Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Pk Lim: FCC_pt15_109_ClassB_Peak (dBµV/m)	Peak Margin (dB)	Peak Results (Pass/Fail)	Worst Peak Margin (dB)	Adjusted Avg Amplitude (dBµV/m)	Av Lim: FCC_pt15_109_C lassB_AVG (dBµV/m)	Avg Margin (dB)	Avg Results (Pass/Fail)	Worst Avg Margin (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
1451.8	33.2	24.2	1.8	35	74	-39	PASS		26	54	-28	PASS		201	15
1806.9	33.8	24.5	3.6	37.4	74	-36.6	PASS		28.2	54	-25.8	PASS		125	150
3709.3	41.5	36.3	10.9	52.4	74	-21.5	PASS	-21.5	47.2	54	-6.8	PASS	-6.8	116	242
5184.2	33.8	25.1	13.3	47.1	74	-26.8	PASS		38.4	54	-15.6	PASS		290	194
5264.7	33.3	24.7	13.4	46.8	74	-27.2	PASS		38.1	54	-15.9	PASS		199	0
5751.9	34.3	25.4	13.7	48.1	74	-25.9	PASS		39.2	54	-14.8	PASS		211	243



Curtis Straus - a Bureau Veritas Company  
 Radiated Emissions Electric Field 3m Distance  
 1-6GHz Horizontal Data  
 Operator: ZJ  
 Notes:  
 THD in High Channel

Work Order - S0565  
 EUT Power Input - Battery Powered  
 Test Site - CH-1  
 Conditions - 21.8°C; 22%RH; 1010mBar  
 0  
 0

Data Taken at 06:38:29 PM, Tuesday, March 13, 2018

Frequency (MHz)	Raw Peak Reading (dBµV)	Raw Avg Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Pk Lim: FCC_pt15_109_ClassB_Peak (dBµV/m)	Peak Margin (dB)	Peak Results (Pass/Fail)	Worst Peak Margin (dB)	Adjusted Avg Amplitude (dBµV/m)	Av Lim: FCC_pt15_109_ClassB_AVG (dBµV/m)	Avg Margin (dB)	Avg Results (Pass/Fail)	Worst Average Margin (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
1115.6	33.6	24.4	0.9	34.5	74	-39.5	PASS		25.3	54	-28.7	PASS		275	124
1418.9	33.9	24.4	1.7	35.6	74	-38.4	PASS		26.2	54	-27.8	PASS		101	159
3709.2	42.9	37.4	10.9	53.8	74	-20.2	PASS	-20.2	48.3	54	-5.7	PASS	-5.7	106	306
5183.8	34.5	25.1	13.3	47.8	74	-26.2	PASS		38.4	54	-15.6	PASS		125	96
5265.6	33	24.7	13.4	46.4	74	-27.5	PASS		38.1	54	-15.8	PASS		287	279
5555.8	33.8	25.5	13.6	47.4	74	-26.6	PASS		39.1	54	-14.8	PASS		116	232

1-6GHz AH-THD High Channel

Curtis Straus - a Bureau Veritas Company  
 Radiated Emissions Electric Field 3m Distance  
 1-6GHz Vertical Data  
 Operator: ZJ  
 Notes:  
 TX2 in Low Channel

Work Order - S0565  
 EUT Power Input - Battery Powered  
 Test Site - CH-1  
 Conditions - 21.8°C; 22%RH; 1010mBar  
 0  
 0

Data Taken at 07:59:28 PM, Monday, March 12, 2018

Frequency (MHz)	Raw Peak Reading (dBµV)	Raw Avg Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Pk Lim: FCC_pt15_109_ClassB_Peak (dBµV/m)	Peak Margin (dB)	Peak Results (Pass/Fail)	Worst Peak Margin (dB)	Adjusted Avg Amplitude (dBµV/m)	Av Lim: FCC_pt15_109_ClassB_AVG (dBµV/m)	Avg Margin (dB)	Avg Results (Pass/Fail)	Worst Average Margin (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
2070.2	34.4	24.8	5.7	40.1	74	-33.9	PASS		30.5	54	-23.4	PASS		294	175
3610.9	37	30.5	10.1	47	74	-26.9	PASS		40.6	54	-13.4	PASS	-13.4	104	309
5463.2	34.8	25.2	14.5	49.3	74	-24.7	PASS	-24.7	39.7	54	-14.3	PASS		125	252

Curtis Straus - a Bureau Veritas Company  
 Radiated Emissions Electric Field 3m Distance  
 1-6GHz Horizontal Data  
 Operator: ZJ  
 Notes:  
 TX2 in Low Channel

Work Order - S0565  
 EUT Power Input - Battery Powered  
 Test Site - CH-1  
 Conditions - 21.8°C; 22%RH; 1010mBar  
 0  
 0

Data Taken at 07:59:28 PM, Monday, March 12, 2018

Frequency (MHz)	Raw Peak Reading (dBµV)	Raw Avg Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Pk Lim: FCC_pt15_109_ClassB_Peak (dBµV/m)	Peak Margin (dB)	Peak Results (Pass/Fail)	Worst Peak Margin (dB)	Adjusted Avg Amplitude (dBµV/m)	Av Lim: FCC_pt15_109_ClassB_AVG (dBµV/m)	Avg Margin (dB)	Avg Results (Pass/Fail)	Worst Average Margin (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
3610.9	38.8	33.8	10.1	48.8	74	-25.2	PASS	-25.2	43.9	54	-10.1	PASS	-10.1	104	66
3961.6	35.8	24.6	11.2	47	74	-27	PASS		35.8	54	-18.2	PASS		109	41
5256.8	34	25	13.4	47.5	74	-26.5	PASS		38.5	54	-15.5	PASS		297	255
5981.7	34.8	25.3	14	48.8	74	-25.2	PASS		39.3	54	-14.7	PASS		289	87

1-6GHz AH-TX2 Low Channel



Curtis Straus - a Bureau Veritas Company  
 Radiated Emissions Electric Field 3m Distance  
 1-6GHz Vertical Data  
 Operator: ZJ  
 Notes:  
 TX2 in Center Channel

Work Order - S0565  
 EUT Power Input - Battery Powered  
 Test Site - CH-1  
 Conditions - 21.8°C; 22%RH; 1010mBar  
 0  
 0

Data Taken at 09:05:19 PM, Monday, March 12, 2018

Frequency (MHz)	Raw Peak Reading (dBµV)	Raw Avg Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Pk Lim: FCC_pt15_109_ClassB_Peak (dBµV/m)	Peak Margin (dB)	Peak Results (Pass/Fail)	Worst Peak Margin (dB)	Adjusted Avg Amplitude (dBµV/m)	Av Lim: FCC_pt15_109_ClassB_AVG (dBµV/m)	Avg Margin (dB)	Avg Results (Pass/Fail)	Worst Avg Margin (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
360.1	38.9	33.6	10.7	49.6	74	-24.4	PASS	-24.4	44.3	54	-9.6	PASS	-9.6	109	181
3874.2	34.2	24.4	11.2	45.4	74	-28.5	PASS		35.7	54	-18.3	PASS		107	250
5171.8	34.1	25.3	13.3	47.4	74	-26.6	PASS		38.5	54	-15.5	PASS		210	34
5187	35.3	25.2	13.3	48.6	74	-25.4	PASS		38.6	54	-15.4	PASS		215	112
5272.9	34	25.1	13.5	47.4	74	-26.5	PASS		38.5	54	-15.5	PASS		109	202

Curtis Straus - a Bureau Veritas Company  
 Radiated Emissions Electric Field 3m Distance  
 1-6GHz Horizontal Data  
 Operator: ZJ  
 Notes:  
 TX2 in Center Channel

Work Order - S0565  
 EUT Power Input - Battery Powered  
 Test Site - CH-1  
 Conditions - 21.8°C; 22%RH; 1010mBar  
 0  
 0

Data Taken at 09:05:19 PM, Monday, March 12, 2018

Frequency (MHz)	Raw Peak Reading (dBµV)	Raw Avg Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Pk Lim: FCC_pt15_109_ClassB_Peak (dBµV/m)	Peak Margin (dB)	Peak Results (Pass/Fail)	Worst Peak Margin (dB)	Adjusted Avg Amplitude (dBµV/m)	Av Lim: FCC_pt15_109_ClassB_AVG (dBµV/m)	Avg Margin (dB)	Avg Results (Pass/Fail)	Worst Average Margin (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
3659.8	39.6	33.6	10.7	50.3	74	-23.7	PASS	-23.7	44.3	54	-9.7	PASS	-9.7	111	87
5257.9	33.9	24.8	13.4	47.3	74	-26.6	PASS		38.3	54	-15.7	PASS		275	17
5281.2	33.6	24.9	13.5	47	74	-26.9	PASS		38.4	54	-15.6	PASS		103	87

1-6GHz AH-TX2 Center Channel

Curtis Straus - a Bureau Veritas Company  
 Radiated Emissions Electric Field 3m Distance  
 1-6GHz Vertical Data  
 Operator: ZJ  
 Notes:  
 TX2 in High Channel

Work Order - S0565  
 EUT Power Input - Battery Powered  
 Test Site - CH-1  
 Conditions - 21.8°C; 22%RH; 1010mBar  
 0  
 0

Data Taken at 09:44:36 PM, Monday, March 12, 2018

Frequency (MHz)	Raw Peak Reading (dBµV)	Raw Avg Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Pk Lim: FCC_pt15_109_ClassB_Peak (dBµV/m)	Peak Margin (dB)	Peak Results (Pass/Fail)	Worst Peak Margin (dB)	Adjusted Avg Amplitude (dBµV/m)	Av Lim: FCC_pt15_109_ClassB_AVG (dBµV/m)	Avg Margin (dB)	Avg Results (Pass/Fail)	Worst Avg Margin (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
3217.9	33.7	25.1	10.1	43.9	74	-30.1	PASS		35.3	54	-18.7	PASS		214	40
3709.2	38.7	34.3	10.9	49.6	74	-24.4	PASS	-24.4	45.2	54	-8.8	PASS	-8.8	107	215
3840.6	33.2	24.3	11.3	44.5	74	-29.5	PASS		35.6	54	-18.4	PASS		125	16
5174.6	34.6	25.2	13.3	47.9	74	-26.1	PASS		38.5	54	-15.5	PASS		284	135
5263.1	34.2	24.9	13.4	47.7	74	-26.3	PASS		38.4	54	-15.6	PASS		211	60

Curtis Straus - a Bureau Veritas Company  
 Radiated Emissions Electric Field 3m Distance  
 1-6GHz Horizontal Data  
 Operator: ZJ  
 Notes:  
 TX2 in High Channel

Work Order - S0565  
 EUT Power Input - Battery Powered  
 Test Site - CH-1  
 Conditions - 21.8°C; 22%RH; 1010mBar  
 0  
 0

Data Taken at 09:44:36 PM, Monday, March 12, 2018

Frequency (MHz)	Raw Peak Reading (dBµV)	Raw Avg Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Pk Lim: FCC_pt15_109_ClassB_Peak (dBµV/m)	Peak Margin (dB)	Peak Results (Pass/Fail)	Worst Peak Margin (dB)	Adjusted Avg Amplitude (dBµV/m)	Av Lim: FCC_pt15_109_ClassB_AVG (dBµV/m)	Avg Margin (dB)	Avg Results (Pass/Fail)	Worst Average Margin (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
3709	40	36.1	10.9	50.8	74	-23.1	PASS	-23.1	47	54	-7	PASS	-7	125	69
5259.4	33.3	24.9	13.4	46.8	74	-27.2	PASS		38.3	54	-15.7	PASS		275	143
5281.7	36	24.8	13.5	49.5	74	-24.5	PASS		38.3	54	-15.7	PASS		296	10



1-6GHz AH-TX2 High Channel

Curtis Straus - a Bureau Veritas Company					Work Order - S0565											
Radiated Emissions Electric Field 1m Distance					EUT Power Input - Battery Powered											
6-18GHz Vertical Data					Test Site - CH-1											
Operator: ZJ					Conditions - 21.8°C; 22%RH; 1010mBar											
Notes:					0											
T in Low Channel					0											
Data Taken at 11:13:55 PM, Tuesday, March 13, 2018																
Frequency (MHz)	Raw Peak Reading (dBµV)	Raw Avg Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Pk Lim: FCC_pt15_109_ClassB_Peak (dBµV/m)	Peak Margin (dB)	Peak Results (Pass/Fail)	Worst Peak Margin (dB)	Adjusted Avg Amplitude (dBµV/m)	Av Lim: FCC_pt15_109_ClassB_AVG (dBµV/m)	Avg Margin (dB)	Avg Results (Pass/Fail)	Worst Avg Margin (dB)	Antenna Height (cm)	EUT Azimuth (degrees)	
8468.8	42.8	33.9	9.4	52.2	83.5	-31.3	PASS		43.3	63.5	-20.2	PASS		100	7	
9935.8	43.7	34.3	10.6	54.4	83.5	-29.1	PASS	-29.1	44.9	63.5	-18.6	PASS	-18.6	174	136	

Curtis Straus - a Bureau Veritas Company					Work Order - S0565											
Radiated Emissions Electric Field 1m Distance					EUT Power Input - Battery Powered											
6-18GHz Horizontal Data					Test Site - CH-1											
Operator: ZJ					Conditions - 21.8°C; 22%RH; 1010mBar											
Notes:					0											
T in Low Channel					0											
Data Taken at 11:13:55 PM, Tuesday, March 13, 2018																
Frequency (MHz)	Raw Peak Reading (dBµV)	Raw Avg Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Pk Lim: FCC_pt15_109_ClassB_Peak (dBµV/m)	Peak Margin (dB)	Peak Test Results (Pass/Fail)	Worst Peak Margin (dB)	Adjusted Avg Amplitude (dBµV/m)	Av Lim: FCC_pt15_109_ClassB_AVG (dBµV/m)	Avg Margin (dB)	Avg Test Results (Pass/Fail)	Worst Avg Margin (dB)	Antenna Height (cm)	EUT Azimuth (degrees)	
7294.2	44.9	34	8.1	53	83.5	-30.5	PASS		42.1	63.5	-21.4	PASS		194	148	
7772.3	43.3	34	8	51.3	83.5	-32.2	PASS		42	63.5	-21.5	PASS		150	241	
9955.8	43.8	34.5	10.7	54.5	83.5	-29	PASS	-29	45.2	63.5	-18.3	PASS	-18.3	142	0	

6-10GHz AH-T Low Channel

Curtis Straus - a Bureau Veritas Company					Work Order - S0565											
Radiated Emissions Electric Field 1m Distance					EUT Power Input - Battery Powered											
6-18GHz Vertical Data					Test Site - CH-1											
Operator: ZJ					Conditions - 21.8°C; 22%RH; 1010mBar											
Notes:					0											
T in Center Channel					0											
Data Taken at 11:35:46 PM, Tuesday, March 13, 2018																
Frequency (MHz)	Raw Peak Reading (dBµV)	Raw Avg Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Pk Lim: FCC_pt15_109_ClassB_Peak (dBµV/m)	Peak Margin (dB)	Peak Results (Pass/Fail)	Worst Peak Margin (dB)	Adjusted Avg Amplitude (dBµV/m)	Av Lim: FCC_pt15_109_ClassB_AVG (dBµV/m)	Avg Margin (dB)	Avg Results (Pass/Fail)	Worst Avg Margin (dB)	Antenna Height (cm)	EUT Azimuth (degrees)	
8468.8	42.8	33.9	9.4	52.2	83.5	-31.3	PASS		43.3	63.5	-20.2	PASS		100	7	
9935.8	43.7	34.3	10.6	54.4	83.5	-29.1	PASS	-29.1	44.9	63.5	-18.6	PASS	-18.6	174	136	

Curtis Straus - a Bureau Veritas Company					Work Order - S0565											
Radiated Emissions Electric Field 1m Distance					EUT Power Input - Battery Powered											
6-18GHz Horizontal Data					Test Site - CH-1											
Operator: ZJ					Conditions - 21.8°C; 22%RH; 1010mBar											
Notes:					0											
T in Center Channel					0											
Data Taken at 11:35:46 PM, Tuesday, March 13, 2018																
Frequency (MHz)	Raw Peak Reading (dBµV)	Raw Avg Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Pk Lim: FCC_pt15_109_ClassB_Peak (dBµV/m)	Peak Margin (dB)	Peak Test Results (Pass/Fail)	Worst Peak Margin (dB)	Adjusted Avg Amplitude (dBµV/m)	Av Lim: FCC_pt15_109_ClassB_AVG (dBµV/m)	Avg Margin (dB)	Avg Test Results (Pass/Fail)	Worst Avg Margin (dB)	Antenna Height (cm)	EUT Azimuth (degrees)	
7294.2	44.9	34	8.1	53	83.5	-30.5	PASS		42.1	63.5	-21.4	PASS		194	148	
7772.3	43.3	34	8	51.3	83.5	-32.2	PASS		42	63.5	-21.5	PASS		150	241	
9955.8	43.8	34.5	10.7	54.5	83.5	-29	PASS	-29	45.2	63.5	-18.3	PASS	-18.3	142	0	

6-10GHz AH-T Center Channel



BUREAU VERITAS



Curtis Straus - a Bureau Veritas Company  
 Radiated Emissions Electric Field 1m Distance  
 Top Peaks Vertical 6-18GHz  
 Operator: ZJ  
 Notes:  
 T in High Channel

Work Order - S0565  
 EUT Power Input - Battery Powered  
 Test Site - CH-1  
 Conditions - 21.8°C; 22%RH; 1010mBar  
 0  
 0

Data Taken at 11:44:50 PM, Tuesday, March 13, 2018

Frequency (MHz)	Raw Peak Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Pk Lim: FCC_pt15_109_ClassB_Peak (dBµV/m)	Margin to Peak Limit (dB)	Peak Limit Test Results (Pass/Fail)	Worst Margin (dB)	Av Lim: FCC_pt15_109_ClassB_AVG (dBµV/m)	Margin to Avg Limit (dB)	Avg Limit Test Results (Pass/Fail)	Avg Limit Worst Margin (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
9975.9	48.3	10.7	59	83.5	-24.5	PASS	-24.5	63.5	-4.5	PASS	-4.5	125	243

Curtis Straus - a Bureau Veritas Company  
 Radiated Emissions Electric Field 1m Distance  
 6-18GHz Horizontal Data  
 Operator: ZJ  
 Notes:  
 T in High Channel

Work Order - S0565  
 EUT Power Input - Battery Powered  
 Test Site - CH-1  
 Conditions - 21.8°C; 22%RH; 1010mBar  
 0  
 0

Data Taken at 11:50:29 PM, Tuesday, March 13, 2018

Frequency (MHz)	Raw Peak Reading (dBµV)	Raw Avg Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Pk Lim: FCC_pt15_109_ClassB_Peak (dBµV/m)	Peak Margin (dB)	Peak Test Results (Pass/Fail)	Worst Peak Margin (dB)	Adjusted Avg Amplitude (dBµV/m)	Av Lim: FCC_pt15_109_ClassB_AVG (dBµV/m)	Avg Margin (dB)	Avg Test Results (Pass/Fail)	Worst Avg Margin (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
7294.2	44.9	34	8.1	53	83.5	-30.5	PASS		42.1	63.5	-21.4	PASS		194	148
7772.3	43.3	34	8	51.3	83.5	-32.2	PASS		42	63.5	-21.5	PASS		160	241
9955.8	43.8	34.5	10.7	54.5	83.5	-29	PASS	-29	45.2	63.5	-18.3	PASS	-18.3	142	0

6-10GHz AH-T High Channel

Curtis Straus - a Bureau Veritas Company  
 Radiated Emissions Electric Field 1m Distance  
 6-18GHz Vertical Data  
 Operator: ZJ  
 Notes:  
 THD in Low Channel

Work Order - S0565  
 EUT Power Input - Battery Powered  
 Test Site - CH-1  
 Conditions - 21.8°C; 22%RH; 1010mBar  
 0  
 0

Data Taken at 09:35:31 PM, Tuesday, March 13, 2018

Frequency (MHz)	Raw Peak Reading (dBµV)	Raw Avg Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Pk Lim: FCC_pt15_109_ClassB_Peak (dBµV/m)	Peak Margin (dB)	Peak Test Results (Pass/Fail)	Worst Peak Margin (dB)	Adjusted Avg Amplitude (dBµV/m)	Av Lim: FCC_pt15_109_ClassB_AVG (dBµV/m)	Avg Margin (dB)	Avg Test Results (Pass/Fail)	Worst Avg Margin (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
7243.4	42.4	34.3	7.8	50.2	83.5	-33.3	PASS		42.1	63.5	-21.4	PASS		200	331
9990.7	45.2	34.8	10.7	55.9	83.5	-27.6	PASS	-27.6	45.5	63.5	-18	PASS	-18	155	168

Curtis Straus - a Bureau Veritas Company  
 Radiated Emissions Electric Field 1m Distance  
 6-18GHz Horizontal Data  
 Operator: ZJ  
 Notes:  
 THD in Low Channel

Work Order - S0565  
 EUT Power Input - Battery Powered  
 Test Site - CH-1  
 Conditions - 21.8°C; 22%RH; 1010mBar  
 0  
 0

Data Taken at 09:35:31 PM, Tuesday, March 13, 2018

Frequency (MHz)	Raw Peak Reading (dBµV)	Raw Avg Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Pk Lim: FCC_pt15_109_ClassB_Peak (dBµV/m)	Peak Margin (dB)	Peak Test Results (Pass/Fail)	Worst Peak Margin (dB)	Adjusted Avg Amplitude (dBµV/m)	Av Lim: FCC_pt15_109_ClassB_AVG (dBµV/m)	Avg Margin (dB)	Avg Test Results (Pass/Fail)	Worst Avg Margin (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
7172.3	43.1	34.5	7.5	50.6	83.5	-32.9	PASS		41.9	63.5	-21.6	PASS		149	63
9995.5	43.7	34.5	10.7	54.5	83.5	-29	PASS	-29	45.3	63.5	-18.2	PASS	-18.2	109	25

6-10GHz AH-THD Low Channel



Curtis Straus - a Bureau Veritas Company  
 Radiated Emissions Electric Field 1m Distance  
 6-18GHz Vertical Data  
 Operator: ZJ  
 Notes:  
 THD in Center Channel

Work Order - S0565  
 EUT Power Input - Battery Powered  
 Test Site - CH-1  
 Conditions - 21.8°C; 22%RH; 1010mBar  
 0  
 0

Data Taken at 10:12:05 PM, Tuesday, March 13, 2018

Frequency (MHz)	Raw Peak Reading (dBµV)	Raw Avg Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Pk Lim: FCC_pt15_109_ClassB_Peak (dBµV/m)	Peak Margin (dB)	Peak Results (Pass/Fail)	Worst Peak Margin (dB)	Adjusted Avg Amplitude (dBµV/m)	Av Lim: FCC_pt15_109_ClassB_AVG (dBµV/m)	Avg Margin (dB)	Avg Results (Pass/Fail)	Worst Avg Margin (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
6594.9	43.8	34.1	6.5	50.3	83.5	-33.2	PASS		40.6	63.5	-22.9	PASS		100	18
7174.2	43.8	34.6	7.5	51.3	83.5	-32.2	PASS		42.1	63.5	-21.4	PASS		100	85
8419.9	43.4	34.3	9.6	53	83.5	-30.5	PASS		43.8	63.5	-19.7	PASS		100	46
9983.4	44.6	34.9	10.7	55.3	83.5	-28.2	PASS	-28.2	45.6	63.5	-17.9	PASS	-17.9	116	84

Curtis Straus - a Bureau Veritas Company  
 Radiated Emissions Electric Field 1m Distance  
 6-18GHz Horizontal Data  
 Operator: ZJ  
 Notes:  
 THD in Center Channel

Work Order - S0565  
 EUT Power Input - Battery Powered  
 Test Site - CH-1  
 Conditions - 21.8°C; 22%RH; 1010mBar  
 0  
 0

Data Taken at 10:12:05 PM, Tuesday, March 13, 2018

Frequency (MHz)	Raw Peak Reading (dBµV)	Raw Avg Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Pk Lim: FCC_pt15_109_ClassB_Peak (dBµV/m)	Peak Margin (dB)	Peak Test Results (Pass/Fail)	Worst Peak Margin (dB)	Adjusted Avg Amplitude (dBµV/m)	Av Lim: FCC_pt15_109_ClassB_AVG (dBµV/m)	Avg Margin (dB)	Avg Test Results (Pass/Fail)	Worst Avg Margin (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
7284.7	45.1	34.3	8	53.1	83.5	-30.4	PASS		42.3	63.5	-21.2	PASS		132	303
7671.6	44.3	34.1	7.9	52.1	83.5	-31.4	PASS		41.9	63.5	-21.6	PASS		100	218
8366.1	42.9	34.2	9.5	52.4	83.5	-31.1	PASS		43.7	63.5	-19.8	PASS		125	9
9983.4	44.2	35	10.7	54.9	83.5	-28.6	PASS	-28.6	45.8	63.5	-17.7	PASS	-17.7	160	0

6-10GHz AH-THD Center Channel

Curtis Straus - a Bureau Veritas Company  
 Radiated Emissions Electric Field 1m Distance  
 Top Peaks Vertical 6-18GHz  
 Operator: ZJ  
 Notes:  
 THD in High Channel

Work Order - S0565  
 EUT Power Input - Battery Powered  
 Test Site - CH-1  
 Conditions - 21.8°C; 22%RH; 1010mBar  
 0  
 0

Data Taken at 10:44:18 PM, Tuesday, March 13, 2018

Frequency (MHz)	Raw Peak Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Pk Lim: FCC_pt15_109_ClassB_Peak (dBµV/m)	Margin to Peak Limit (dB)	Peak Limit Test Results (Pass/Fail)	Peak Limit Worst Margin (dB)	Av Lim: FCC_pt15_109_ClassB_AVG (dBµV/m)	Margin to Avg Limit (dB)	Avg Limit Test Results (Pass/Fail)	Avg Limit Worst Margin (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
7195.6	47.6	7.6	55.2	83.5	-28.3	PASS		63.5	-8.3	PASS		175	243
9991.6	48.1	10.7	58.8	83.5	-24.7	PASS	-24.7	63.5	-4.7	PASS	-4.7	100	305



Curtis Straus - a Bureau Veritas Company  
 Radiated Emissions Electric Field 1m Distance  
 Top Peaks Horizontal 6-18GHz  
 Operator: ZJ  
 Notes:  
 THD in High Channel

Work Order - S0565  
 EUT Power Input - Battery Powered  
 Test Site - CH-1  
 Conditions - 21.8°C; 22%RH; 1010mBar  
 0  
 0

Data Taken at 10:44:18 PM, Tuesday, March 13, 2018

Frequency (MHz)	Raw Peak Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Pk Lim: FCC_pt15_109_ClassB_Peak (dBµV/m)	Margin to Peak Limit (dB)	Peak Limit Test Results (Pass/Fail)	Peak Limit Worst Margin (dB)	Av Lim: FCC_pt15_109_ClassB_AVG (dBµV/m)	Margin to Avg Limit (dB)	Avg Limit Test Results (Pass/Fail)	Avg Limit Worst Margin (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
7873.9	48.2	7.8	55.9	83.5	-27.6	PASS		63.5	-7.6	PASS		200	73
9033.5	47.5	9.5	57.1	83.5	-26.4	PASS		63.5	-6.4	PASS		150	0
9998.9	47.9	10.7	58.6	83.5	-24.9	PASS	-24.9	63.5	-4.9	PASS	-4.9	150	227

6-10GHz AH-THD High Channel

Curtis Straus - a Bureau Veritas Company  
 Radiated Emissions Electric Field 1m Distance  
 6-18GHz Vertical Data  
 Operator: ZJ  
 Notes:  
 TX2 in Low Channel

Work Order - S0565  
 EUT Power Input - Battery Powered  
 Test Site - CH-1  
 Conditions - 21.8°C; 22%RH; 1010mBar  
 0  
 0

Data Taken at 10:55:54 PM, Monday, March 12, 2018

Frequency (MHz)	Raw Peak Reading (dBµV)	Raw Avg Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Pk Lim: FCC_pt15_109_ClassB_Peak (dBµV/m)	Peak Margin (dB)	Peak Results (Pass/Fail)	Worst Peak Margin (dB)	Adjusted Avg Amplitude (dBµV/m)	Av Lim: FCC_pt15_109_ClassB_AVG (dBµV/m)	Avg Margin (dB)	Avg Results (Pass/Fail)	Worst Avg Margin (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
9034.6	43.4	35	9.5	53	83.5	-30.5	PASS		44.5	63.5	-19	PASS		200	219
9598.3	43.4	35.1	10.6	54	83.5	-29.5	PASS	-29.5	45.6	63.5	-17.9	PASS	-17.9	100	12

Curtis Straus - a Bureau Veritas Company  
 Radiated Emissions Electric Field 1m Distance  
 6-18GHz Horizontal Data  
 Operator: ZJ  
 Notes:  
 TX2 in Low Channel

Work Order - S0565  
 EUT Power Input - Battery Powered  
 Test Site - CH-1  
 Conditions - 21.8°C; 22%RH; 1010mBar  
 0  
 0

Data Taken at 10:55:54 PM, Monday, March 12, 2018

Frequency (MHz)	Raw Peak Reading (dBµV)	Raw Avg Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Pk Lim: FCC_pt15_109_ClassB_Peak (dBµV/m)	Peak Margin (dB)	Peak Test Results (Pass/Fail)	Worst Peak Margin (dB)	Adjusted Avg Amplitude (dBµV/m)	Av Lim: FCC_pt15_109_ClassB_AVG (dBµV/m)	Avg Margin (dB)	Avg Test Results (Pass/Fail)	Worst Avg Margin (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
8869.8	44.2	34.5	9.2	53.4	83.5	-30.1	PASS		43.7	63.5	-19.8	PASS		100	97
9561.1	43.4	34.5	10.5	53.9	83.5	-29.6	PASS	-29.6	45	63.5	-18.5	PASS	-18.5	100	11

6-10GHz AH-TX2 Low Channel

Curtis Straus - a Bureau Veritas Company  
 Radiated Emissions Electric Field 1m Distance  
 6-18GHz Vertical Data  
 Operator: ZJ  
 Notes:  
 TX2 in Center Channel

Work Order - S0565  
 EUT Power Input - Battery Powered  
 Test Site - CH-1  
 Conditions - 21.8°C; 22%RH; 1010mBar  
 0  
 0

Data Taken at 11:19:11 PM, Monday, March 12, 2018

Frequency (MHz)	Raw Peak Reading (dBµV)	Raw Avg Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Pk Lim: FCC_pt15_109_ClassB_Peak (dBµV/m)	Peak Margin (dB)	Peak Results (Pass/Fail)	Worst Peak Margin (dB)	Adjusted Avg Amplitude (dBµV/m)	Av Lim: FCC_pt15_109_ClassB_AVG (dBµV/m)	Avg Margin (dB)	Avg Results (Pass/Fail)	Worst Avg Margin (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
9636.2	44.2	34.7	10.7	54.9	83.5	-28.6	PASS	-28.6	45.3	63.5	-18.2	PASS	-18.2	100	53



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Curtis Straus - a Bureau Veritas Company	Work Order - S0565
Radiated Emissions Electric Field 1m Distance	EUT Power Input - Battery Powered
6-18GHz Horizontal Data	Test Site - CH-1
Operator: ZJ	Conditions - 21.8°C; 22%RH; 1010mBar
Notes:	0
TX2 in Center Channel	0

Data Taken at 11:19:11 PM, Monday, March 12, 2018

Frequency (MHz)	Raw Peak Reading (dBµV)	Raw Avg Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Pk Lim: FCC_pt15_109_ClassB_Peak (dBµV/m)	Peak Margin (dB)	Peak Test Results (Pass/Fail)	Worst Peak Margin (dB)	Adjusted Avg Amplitude (dBµV/m)	Av Lim: FCC_pt15_109_ClassB_AVG (dBµV/m)	Avg Margin (dB)	Avg Test Results (Pass/Fail)	Worst Avg Margin (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
9696.9	43.1	34.1	10.9	54	83.5	-29.5	PASS	-29.5	45	63.5	-18.5	PASS	-18.5	175	97

6-10GHz AH-TX2 Center Channel

Curtis Straus - a Bureau Veritas Company	Work Order - S0565
Radiated Emissions Electric Field 1m Distance	EUT Power Input - Battery Powered
6-18GHz Vertical Data	Test Site - CH-1
Operator: ZJ	Conditions - 21.8°C; 22%RH; 1010mBar
Notes:	0
TX2 in High Channel	0

Data Taken at 10:21:47 PM, Monday, March 12, 2018

Frequency (MHz)	Raw Peak Reading (dBµV)	Raw Avg Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Pk Lim: FCC_pt15_109_ClassB_Peak (dBµV/m)	Peak Margin (dB)	Peak Test Results (Pass/Fail)	Worst Peak Margin (dB)	Adjusted Avg Amplitude (dBµV/m)	Av Lim: FCC_pt15_109_ClassB_AVG (dBµV/m)	Avg Margin (dB)	Avg Test Results (Pass/Fail)	Worst Avg Margin (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
9603.8	43.3	35.2	10.6	53.9	83.5	-29.6	PASS	-29.6	45.7	63.5	-17.8	PASS	-17.8	200	286

Curtis Straus - a Bureau Veritas Company	Work Order - S0565
Radiated Emissions Electric Field 1m Distance	EUT Power Input - Battery Powered
6-18GHz Horizontal Data	Test Site - CH-1
Operator: ZJ	Conditions - 21.8°C; 22%RH; 1010mBar
Notes:	0
TX2 in High Channel	0

Data Taken at 10:21:47 PM, Monday, March 12, 2018

Frequency (MHz)	Raw Peak Reading (dBµV)	Raw Avg Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Pk Lim: FCC_pt15_109_ClassB_Peak (dBµV/m)	Peak Margin (dB)	Peak Test Results (Pass/Fail)	Worst Peak Margin (dB)	Adjusted Avg Amplitude (dBµV/m)	Av Lim: FCC_pt15_109_ClassB_AVG (dBµV/m)	Avg Margin (dB)	Avg Test Results (Pass/Fail)	Worst Avg Margin (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
9754.9	43.3	34.3	10.8	54.2	83.5	-29.3	PASS	-29.3	45.2	63.5	-18.3	PASS	-18.3	150	82

6-10GHz AH-TX2 High Channel



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Rev. 3/7/2018

<b>Spectrum Analyzers / Receivers / Preselectors</b>		<b>Range</b>	<b>MN</b>	<b>Mfr</b>	<b>SN</b>	<b>Asset</b>	<b>Cat</b>	<b>Calibration Due</b>	<b>Calibrated on</b>
2093 MXE EMI Receiver		20Hz-26.5GHz	N9038A	Agilent	MY51210181	2093	I	11/16/2018	11/16/2017
<b>Radiated Emissions Sites</b>		<b>FCC Code</b>	<b>IC Code</b>	<b>VCCI Code</b>	<b>Range</b>	<b>Asset</b>	<b>Cat</b>	<b>Calibration Due</b>	<b>Calibrated on</b>
EMI Chamber 1		719150	2762A-6	A-0015	30-1000MHz	1685	I	12/21/2018	12/21/2016
EMI Chamber 1		719150	2762A-6	A-0015	1-18GHz	1685	I	12/21/2018	12/21/2016
<b>Preamps / Couplers Attenuators / Filters</b>		<b>Range</b>	<b>MN</b>	<b>Mfr</b>	<b>SN</b>	<b>Asset</b>	<b>Cat</b>	<b>Calibration Due</b>	<b>Calibrated on</b>
2444 PA		9KHz-6GHz	BBV9744	SCWARZBECK	67	2444	I	2/5/2019	2/5/2018
2111 HF Preamp		0.5-18GHz	PAM-118A	COM-POWER	551063	2111	II	11/19/2018	11/19/2017
<b>Antennas</b>		<b>Range</b>	<b>MN</b>	<b>Mfr</b>	<b>SN</b>	<b>Asset</b>	<b>Cat</b>	<b>Calibration Due</b>	<b>Calibrated on</b>
Red-White Bilog		30-2000MHz	JB1	Sunol	A091604-1	1105	I	8/21/2019	8/21/2017
Black Horn		1-18GHz	3115	EMCO	9703-5148	56	I	8/29/2018	8/29/2016
<b>Meteorological Meters/Chambers</b>			<b>MN</b>	<b>Mfr</b>	<b>SN</b>	<b>Asset</b>	<b>Cat</b>	<b>Calibration Due</b>	<b>Calibrated on</b>
Weather Clock (Pressure Only)			BA928	Oregon Scientific	C3166-1	831	I	4/28/2018	4/28/2016
TH A#2084			HTC-1	HDE		2084	II	3/23/2018	3/23/2017
<b>Cables</b>		<b>Range</b>		<b>Mfr</b>			<b>Cat</b>	<b>Calibration Due</b>	<b>Calibrated on</b>
Asset #2456		9KHz-18GHz		MegaPhase			II	10/29/2018	10/29/2017
Asset #2466		9KHz-18GHz		MegaPhase			II	10/29/2018	10/29/2017
Asset #2480		9KHz-18GHz		MegaPhase			II	10/29/2018	10/29/2017

All equipment is calibrated using standards traceable to NIST or other nationally recognized calibration standard.



### Measurement Uncertainty

The listed uncertainties are the worst case uncertainty for the entire range of measurement. Please note that the uncertainty values are provided for informational purposes only and are not used in determining the PASS/FAIL results.

Measurement	Expanded Uncertainty k=2	Maximum allowable uncertainty
Radiated Emissions (30-1000MHz)		
NIST	5.6dB	N/A
CISPR	4.6dB	5.2dB (Ucisprr)
Radiated Emissions (1-26.5GHz)	4.6dB	N/A
Radiated Emissions (above 26.5GHz)	4.9dB	N/A
Magnetic Radiated Emissions	5.6dB	N/A
Conducted Emissions		
NIST	3.9dB	N/A
CISPR	3.6dB	3.6dB (Ucisprr)
Telco Conducted Emissions (Current)	2.9dB	N/A
Telco Conducted Emissions (Voltage)	4.4dB	N/A
Electrostatic Discharge	11.5%	N/A
Radiated RF Immunity (Uniform Field)	1.6dB	N/A
Electrical Fast Transients	23.1%	N/A
Surge	23.1%	N/A
Conducted RF Immunity	3dB	N/A
Magnetic Immunity	12.8%	N/A
Dips and Interrupts	2.3V	N/A
Harmonics	3.5%	N/A
Flicker	3.5%	N/A
Radio frequency (@ 2.4GHz)	$3.23 \times 10^{-8}$	$1 \times 10^{-7}$
RF power, conducted	0.40dB	0.75dB
Maximum frequency deviation:		
• Within 300Hz and 6kHz of audio frequency / Within 6kHz and 25kHz of audio frequency	3.4%	5%
	0.3dB	3dB
Adjacent channel power	1.9dB	3dB
Conducted spurious emission of transmitter, valid up to 12.75GHz	2.39dB	3dB
Conducted emission of receivers	1.3dB	3dB
Radiated emission of transmitter, valid up to 26.5GHz	3.9dB	6dB
Radiated emission of transmitter, valid up to 80GHz	3.3dB	6dB
Radiated emission of receiver, valid up to 26.5GHz	3.9dB	6dB
Radiated emission of receiver, valid up to 80GHz	3.3dB	6dB
Humidity	2.37%	5%
Temperature	0.7°C	1.0°C
Time	4.1%	10%
RF Power Density, Conducted	0.4dB	3dB
DC and low frequency voltages	1.3%	3%
Voltage (AC, <10kHz)	1.3%	2%
Voltage (DC)	0.62%	1%
The above reflects a 95% confidence level		



## Conditions Of Testing

[Bureau Veritas Consumer Products Services, Inc., a Massachusetts corporation], and/or its affiliates (collectively, the "Company") will conduct, at the request of the Submitter ("Client"), the tests specified on the submitted Test Request Form or equivalent in accordance with, and subject to, the following terms and conditions (collectively, "Conditions"):

1. All orders for tests are subject to acceptance by the Company, and no order will constitute a binding commitment of the Company unless and until such order is accepted by it, as evidenced by the issuance of a written report ("Test Report") by the Company. The Test Report is issued solely by the Company, is intended for the exclusive use of Client and shall not be published, used for advertising purposes, copied or replicated for distribution to any other person or entity or otherwise publicly disclosed without the prior written consent of the Company. By submitting a request for services to the Company, Client consents to the disclosure to accreditation bodies of those records of Client relevant to the accreditation body's assessment of the Company's competence and compliance with relevant accreditation criteria. The Company shall not be liable for any loss or damage whatsoever resulting from the failure of the Company to provide its services within any time period for completion estimated by the Company. If Client anticipates using the Test Report in any legal proceeding, arbitration, dispute resolution forum or other proceeding, it shall so notify the Company prior to submitting the Test Report in such proceeding. The Company has no obligation to provide a fact or expert witness at such proceeding unless the Company agrees in advance to do so for a separate and additional fee.
2. The Test Report will set forth the findings of the Company solely with respect to the test samples identified therein. Unless specifically and expressly indicated in the Test Report, the results set forth in such Test Report are not intended to be indicative or representative of the quality or characteristics of the lot from which a test sample is taken, and Client shall not rely upon the Test Report as being so indicative or representative of the lot or of the tested product in general. The Test Report will reflect the findings of the Company at the time of testing only, and the Company shall have no obligation to update the Test Report after its issuance. The Test Report will set forth the results of the tests performed by the Company based upon the written information provided to the Company. The Test Report will be based solely on the samples and written information submitted to the Company by Client, and the Company shall not be obligated to conduct any independent investigation or inquiry with respect thereto.
3. The Company may, in its sole discretion, destroy samples which have been furnished to the Company for testing and which have not been destroyed in the course of testing. The Company may delegate the performance of all or a portion of the services contemplated hereunder to an affiliate, agent or subcontractor of the Company, and Client consents to such delegation.
4. These Conditions and the Test Report represent the entire understanding of the parties hereto with respect to the subject matter hereof and of the Test Report, and no modification, variance or extrapolation with respect thereto shall be permitted without the prior written consent of the Company.
5. The names, service marks, trademarks and copyrights of the Company and its affiliates, including the names "**BUREAU VERITAS**," "**BUREAU VERITAS CONSUMER PRODUCTS SERVICES**," "**BVCPS**," "**MTL**," "**ACTS**," "**MTL-ACTS**" and "**CURTIS-STRAUS**" (collectively, the "Marks") are and shall remain the sole property of the Company or its affiliates and shall not be used by Client except solely to the extent that Client obtains the prior written approval of the Company and then only in the manner prescribed by the Company. Client shall not contest the validity of the Marks or take any action that might impair the value or goodwill associated with the Marks or the image or reputation of the Company or its affiliates.
6. Payment in full shall be due 30 days after the date of invoice. Interest shall be due on overdue amounts from the due date until paid at an interest rate of 1.5% per month or, if less, the maximum rate permitted by law. The Company reserves the right, at any time and from time to time, to revoke any credit extended to Client. Client shall reimburse the Company for any costs it incurs in collecting past due amounts, including court costs and fees and expenses of attorneys and collection agencies. The Test Report may not be used or relied upon by Client if and for so long as Client fails to pay when due any invoice issued by the Company or any affiliate of it to Client or any affiliate or subsidiary of Client together with interest and penalties, if any, accrued thereon.
7. The Company disclaims any and all responsibility or liability arising out of or in connection with e-mail transmissions of such information.
8. Client understands and agrees that the Company is neither an insurer nor a guarantor, that the Company does not take the place of Client or any designer, manufacturer, agent, buyer, distributor or transportation or shipping company, and that the Company disclaims all liability in such capacities. Client further understands that if it seeks assurance against loss or damage, it should obtain appropriate insurance.
9. Client agrees that the Company, by providing the services, does not take the place of Client nor any third party, nor does the Company release them from any of their obligations, nor does the Company otherwise assume, abridge, abrogate or undertake to discharge any duty of any third party to Client or any duty of Client or any third party to any other third party, and Client will not release any third party from its obligations and duties with respect to the tested goods.
10. Client shall, on a timely basis, (a) provide adequate instructions to the Company in order to enable the Company to perform properly its services, (b) provide, or cause Client's suppliers and contractors to provide, the Company with all documents necessary to enable the Company to perform its services, (c) furnish the Company with all relevant information regarding Client's intended use and purposes of the tested goods, (d) advise the Company of essential dates and deadlines relevant to the tested goods and (e) fully exercise all rights and remedies available to Client against third parties in respect of the tested goods.
11. The Company shall undertake due care and ordinary skill in the performance of its services to Client, and the Company shall accept responsibility only where such skill has not been exercised and, even in such event, only to the extent of the limitation of liability set forth herein.
12. If Client desires to assert a claim arising from or relating to (i) the performance, purported performance or non-performance of any services by the Company or (ii) the sale, resale, manufacture, distribution or use of any tested goods, it must submit that claim to the Company in a writing that sets forth with particularity the basis for such claim within 60 days from discovery of the potential claim and not more than six months after the date of issuance of the Test Report to Client. Client waives any and all such claims including, without limitation, claims that the Test Report is inaccurate, incomplete or misleading or that additional or different testing is required, unless and then only to the extent that Client submits a written claim to the Company within both such time periods.
13. CLIENT SHALL, EXCEPT TO THE EXTENT OF COMPANY'S LIABILITY TO CLIENT HEREUNDER (WHICH IN NO EVENT SHALL EXCEED THE LIMITATION OF LIABILITY HEREIN), HOLD HARMLESS AND INDEMNIFY THE COMPANY, ITS AFFILIATES AND THEIR RESPECTIVE DIRECTORS, OFFICERS, EMPLOYEES, AGENTS AND SUBCONTRACTORS AGAINST ALL ACTUAL OR ALLEGED THIRD PARTY CLAIMS FOR LOSS, DAMAGE OR EXPENSE OF WHATSOEVER NATURE AND HOWSOEVER ARISING FROM OR RELATING TO (i) THE PERFORMANCE, PURPORTED PERFORMANCE OR NON-PERFORMANCE OF ANY SERVICES BY THE COMPANY OR (ii) THE SALE, RESALE, MANUFACTURE, DISTRIBUTION OR USE OF ANY TESTED GOODS.
14. EXCEPT AS MAY OTHERWISE BE EXPRESSLY AGREED TO IN WRITING BY THE COMPANY AND NOTWITHSTANDING ANY PROVISION TO THE CONTRARY CONTAINED HEREIN OR IN ANY TEST REPORT, NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR USE, IS MADE.



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15. (A) IN NO EVENT WHATSOEVER SHALL THE COMPANY BE LIABLE FOR ANY CONSEQUENTIAL, SPECIAL, INCIDENTAL, EXEMPLARY OR PUNITIVE DAMAGES IN CONNECTION WITH, RELATING TO OR ARISING OUT OF THE TEST REPORT OR THE SERVICES PROVIDED BY THE COMPANY HEREUNDER, INCLUDING WITHOUT LIMITATION LOSS OF OR DAMAGE TO PROPERTY; LOSS OF INCOME, PROFIT OR USE; OR ANY CLAIMS OR DEMANDS MADE AGAINST CLIENT OR ANY OTHER PERSON BY ANY THIRD PARTY IN CONNECTION WITH, RELATING TO OR ARISING OUT OF THE SERVICES PROVIDED BY THE COMPANY HEREUNDER.

(B) NOTWITHSTANDING ANY PROVISION TO THE CONTRARY CONTAINED HEREIN, AND IN RECOGNITION OF THE RELATIVE RISKS AND BENEFITS TO CLIENT AND THE COMPANY ASSOCIATED WITH THE TESTING SERVICES CONTEMPLATED HEREBY, THE RISKS HAVE BEEN ALLOCATED SUCH THAT UNDER NO CIRCUMSTANCES WHATSOEVER SHALL THE LIABILITY OF THE COMPANY TO CLIENT OR ANY THIRD PARTY IN RESPECT OF ANY CLAIM FOR LOSS, DAMAGE OR EXPENSE, OF WHATSOEVER NATURE OR MAGNITUDE, AND HOWSOEVER ARISING, EXCEED AN AMOUNT EQUAL TO FIVE (5) TIMES THE AMOUNT OF THE FEES PAID TO THE COMPANY FOR THE SPECIFIC SERVICES WHICH GAVE RISE TO SUCH CLAIM OR U.S.\$10,000, WHICHEVER IS THE LESSER AMOUNT.

16. The Company shall not be liable for any loss or damage resulting from any delay or failure in performance of its obligations hereunder resulting directly or indirectly from any event of force majeure or any event outside the control of the Company. If any such event occurs, the Company may immediately cancel or suspend its performance hereunder without incurring any liability whatsoever to Client.

17. Company's services, including these Conditions, shall be governed by, and construed in accordance with, the local laws of the country where the Company performs the tests or, in the case of tests performed in the United States of America, the laws of Massachusetts without regard to conflicts of laws principles. If any aspect(s) of these Conditions is found to be illegal or unenforceable, the validity, legality and enforceability of all remaining aspects of these Conditions shall not in any way be affected or impaired thereby. Any proceeding related to the subject matter hereof shall be brought, if at all, in the courts of the country where the Company performs the tests or, in the case of tests performed in the United States of America, in the courts of Massachusetts. Client waives the right to interpose any counterclaim or setoffs of any nature in any litigation arising hereunder.

The complete list of the Approved Subcontractors Curtis-Straus may use to delegate the performance of work can be provided upon request.  
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