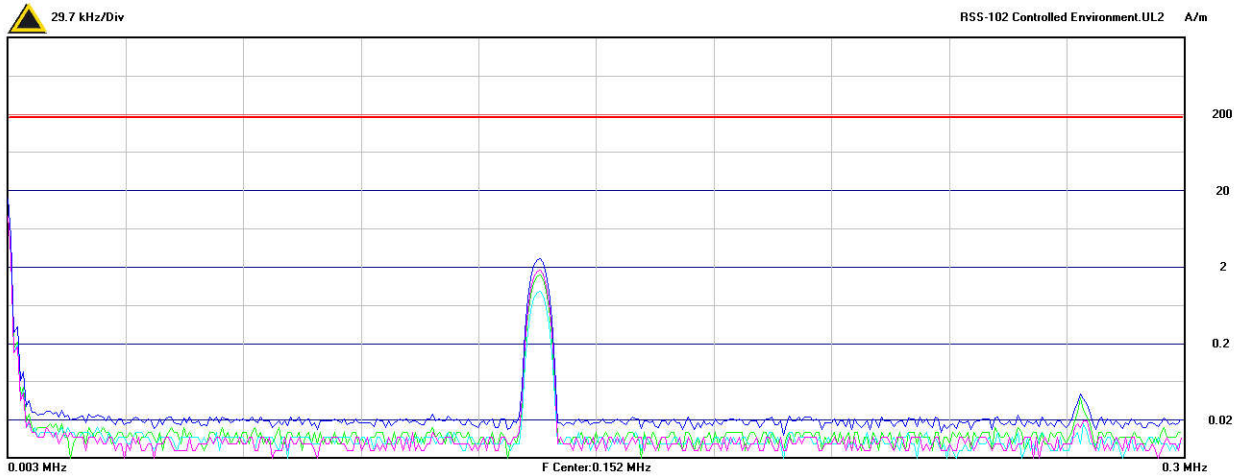


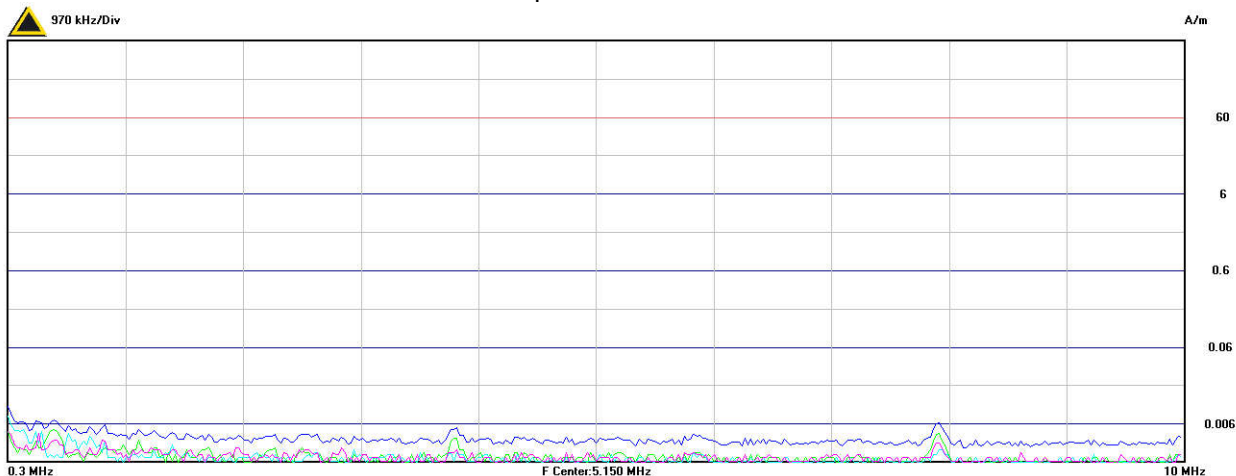
RSS-102: Radio Frequency (RF) Exposure Compliance Test

Manufacturer : Accutech Security
Model Number : LC1400T
Serial Number : N/A
Mode : Tx
Side Tested : P2
Freq Range : 3kHz – 300kHz
Max Peak : 15.918 A/m @ 0.003MHz
Test personnel : Tylar Jozefczyk
Date : 5/22/2023 10:37:27 AM
Results : The Emissions were Compliant



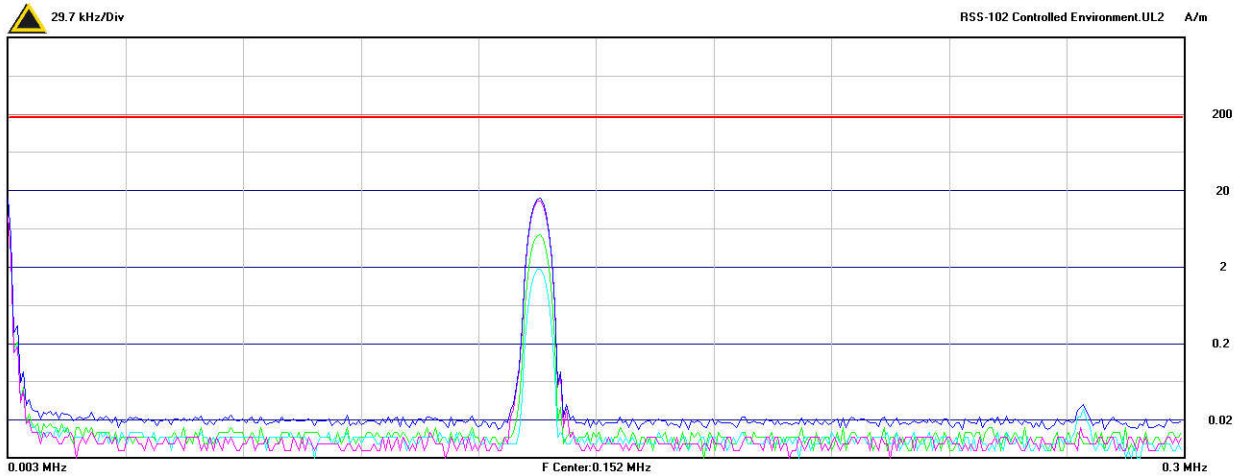
RSS-102: Radio Frequency (RF) Exposure Compliance Test

Manufacturer : Accutech Security
Model Number : LC1400T
Serial Number : N/A
Mode : Tx
Side Tested : P2
Freq Range : 300kHz – 10MHz
Max Peak : 0.0102 A/m @ 0.3MHz
Test personnel : Tylar Jozefczyk
Date : 5/22/2023 10:37:28 AM
Results : The Emissions were Compliant



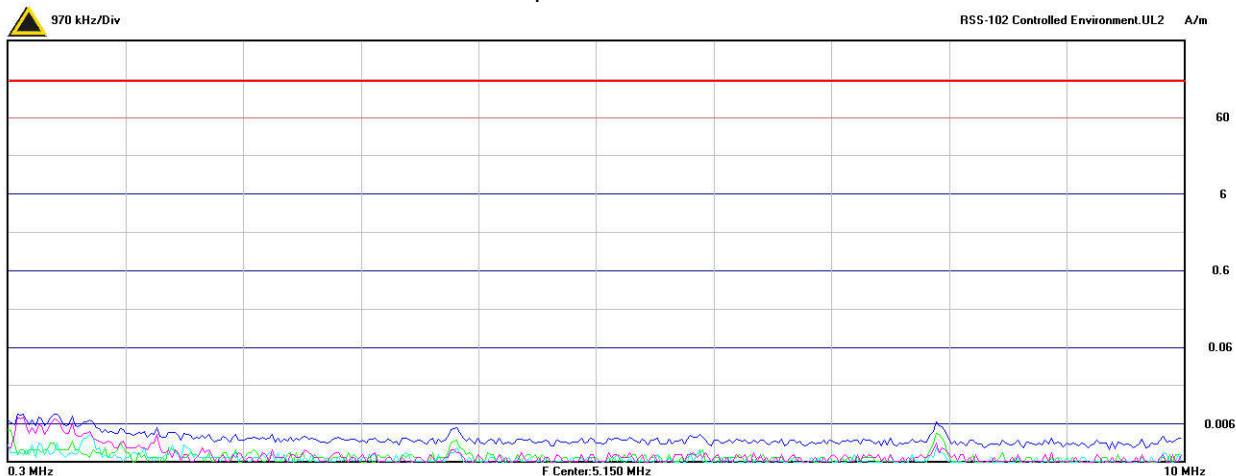
RSS-102: Radio Frequency (RF) Exposure Compliance Test

Manufacturer : Accutech Security
 Model Number : LC1400T
 Serial Number : N/A
 Mode : Tx
 Side Tested : P3
 Freq Range : 3kHz – 300kHz
 Max Peak : 15.916 A/m @ 0.003MHz
 Test personnel : Tylar Jozefczyk
 Date : 5/22/2023 10:37:29 AM
 Results : The Emissions were Compliant



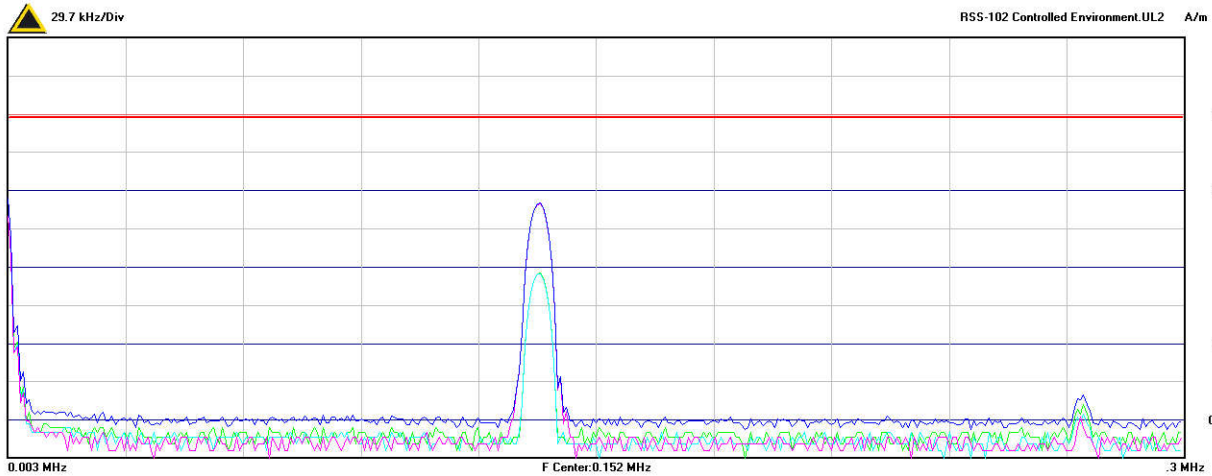
RSS-102: Radio Frequency (RF) Exposure Compliance Test

Manufacturer : Accutech Security
 Model Number : LC1400T
 Serial Number : N/A
 Mode : Tx
 Side Tested : P3
 Freq Range : 300kHz – 10MHz
 Max Peak : 0.0082 A/m @ 0.425MHz
 Test personnel : Tylar Jozefczyk
 Date : 5/22/2023 10:37:29 AM
 Results : The Emissions were Compliant



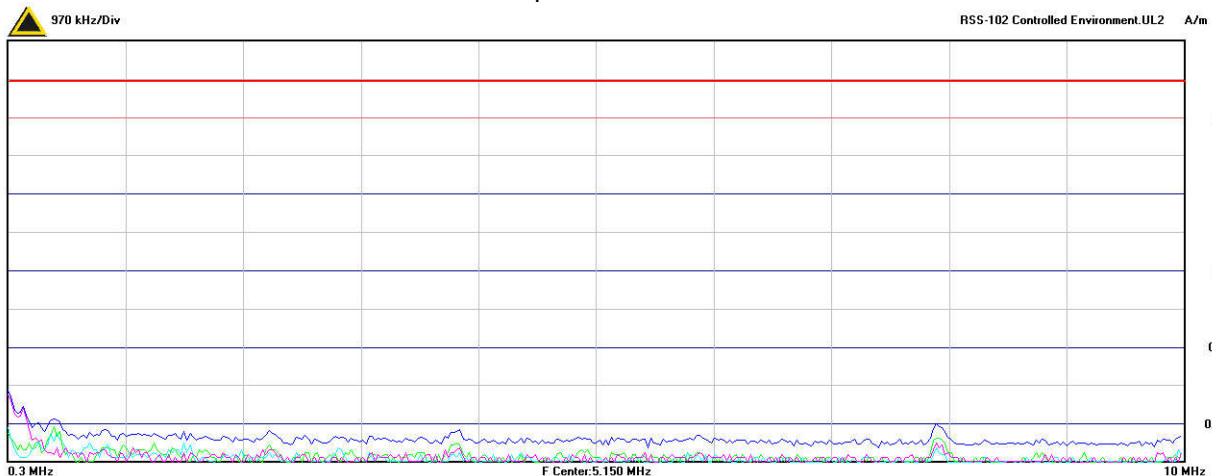
RSS-102: Radio Frequency (RF) Exposure Compliance Test

Manufacturer : Accutech Security
 Model Number : LC1400T
 Serial Number : N/A
 Mode : Tx
 Side Tested : P4
 Freq Range : 3kHz – 300kHz
 Max Peak : 15.959 A/m @ 0.003MHz
 Test personnel : Tylar Jozefczyk
 Date : 5/22/2023 10:37:30 AM
 Results : The Emissions were Compliant



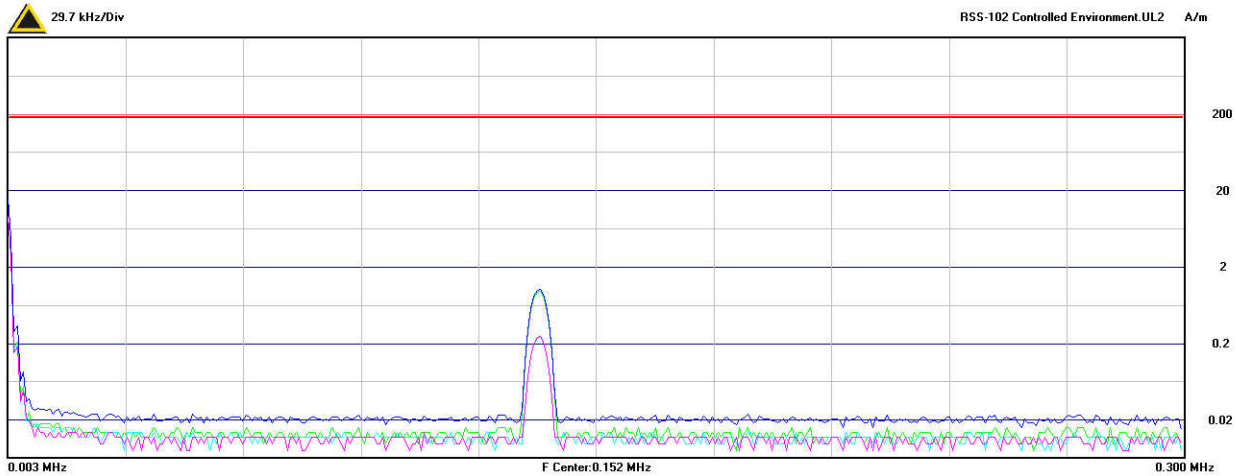
RSS-102: Radio Frequency (RF) Exposure Compliance Test

Manufacturer : Accutech Security
 Model Number : LC1400T
 Serial Number : N/A
 Mode : Tx
 Side Tested : P4
 Freq Range : 300kHz – 10MHz
 Max Peak : 0.0166 A/m @ 0.3MHz
 Test personnel : Tylar Jozefczyk
 Date : 5/22/2023 10:37:31 AM
 Results : The Emissions were Compliant



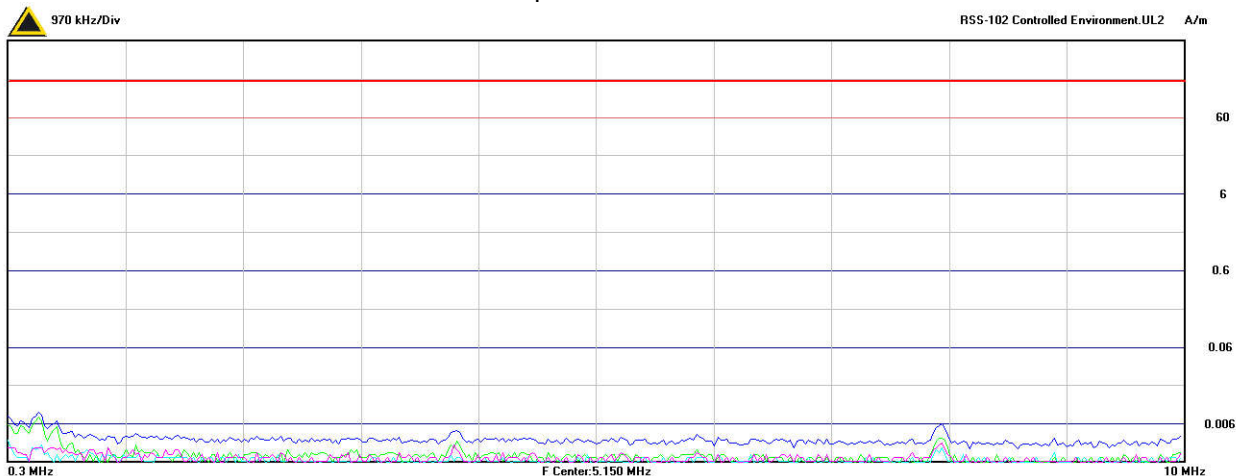
RSS-102: Radio Frequency (RF) Exposure Compliance Test

Manufacturer : Accutech Security
 Model Number : LC1400T
 Serial Number : N/A
 Mode : Tx
 Side Tested : P5
 Freq Range : 3kHz – 300kHz
 Max Peak : 16.059 A/m @ 0.003MHz
 Test personnel : Tylar Jozefczyk
 Date : 5/22/2023 10:37:32 AM
 Results : The Emissions were Compliant



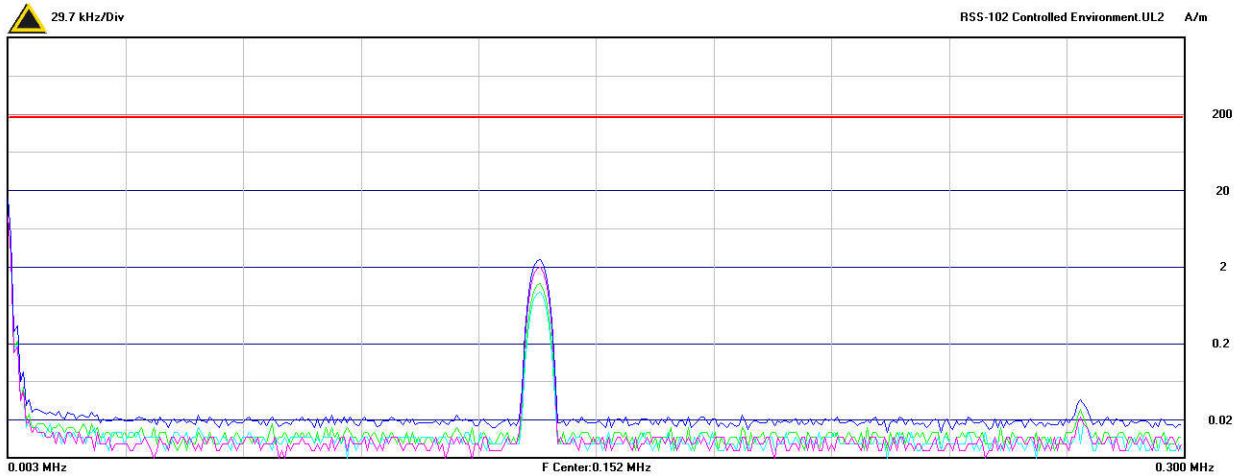
RSS-102: Radio Frequency (RF) Exposure Compliance Test

Manufacturer : Accutech Security
 Model Number : LC1400T
 Serial Number : N/A
 Mode : Tx
 Side Tested : P5
 Freq Range : 300kHz – 10MHz
 Max Peak : 0.0086 A/m @ 0.55MHz
 Test personnel : Tylar Jozefczyk
 Date : 5/22/2023 10:37:32 AM
 Results : The Emissions were Compliant



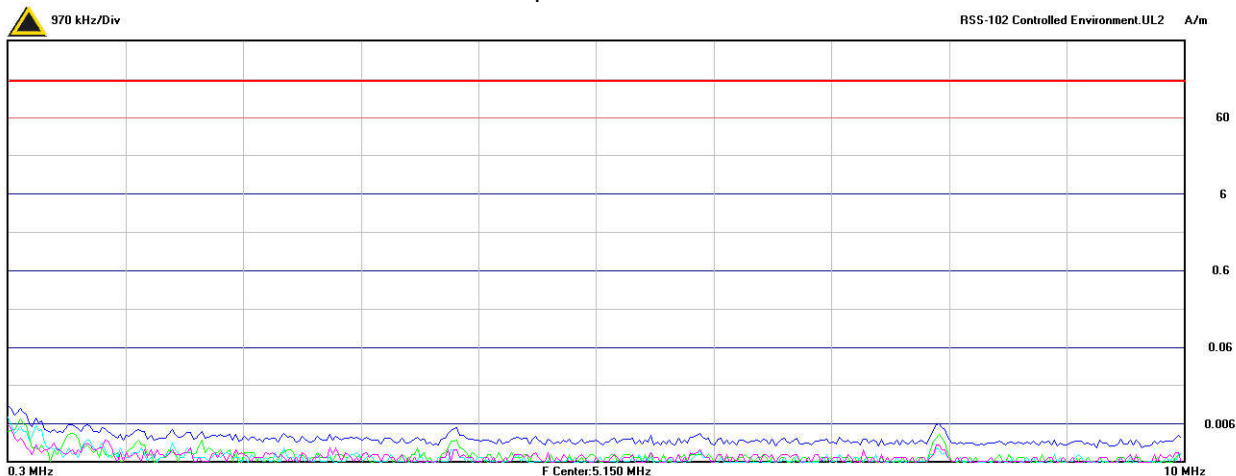
RSS-102: Radio Frequency (RF) Exposure Compliance Test

Manufacturer : Accutech Security
 Model Number : LC1400T
 Serial Number : N/A
 Mode : Tx
 Side Tested : P6
 Freq Range : 3kHz – 300kHz
 Max Peak : 16.027 A/m @ 0.003MHz
 Test personnel : Tylar Jozefczyk
 Date : 5/22/2023 10:37:33 AM
 Results : The Emissions were Compliant



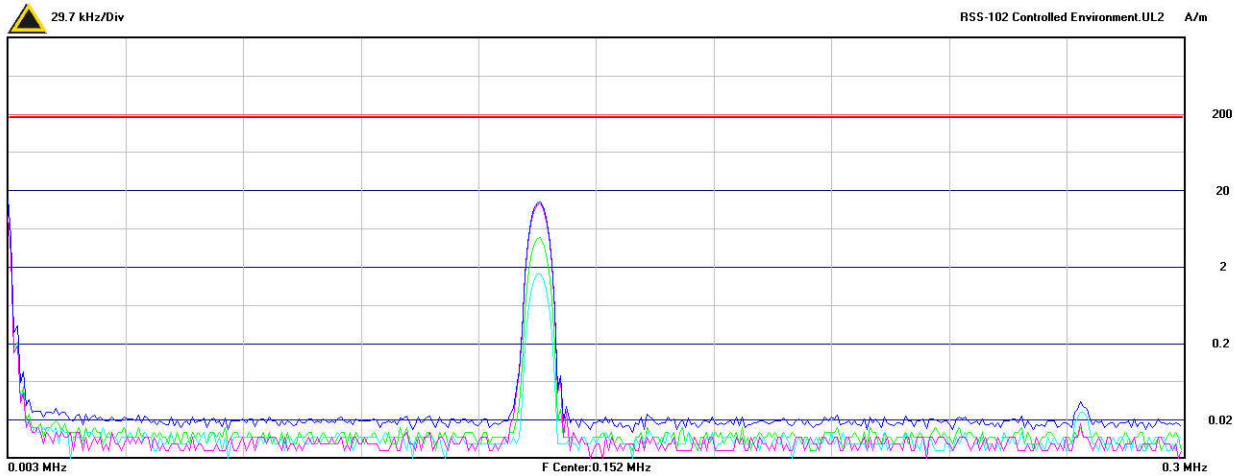
RSS-102: Radio Frequency (RF) Exposure Compliance Test

Manufacturer : Accutech Security
 Model Number : LC1400T
 Serial Number : N/A
 Mode : Tx
 Side Tested : P6
 Freq Range : 300kHz – 10MHz
 Max Peak : 0.0105 A/m @ 0.3MHz
 Test personnel : Tylar Jozefczyk
 Date : 5/22/2023 10:37:33 AM
 Results : The Emissions were Compliant



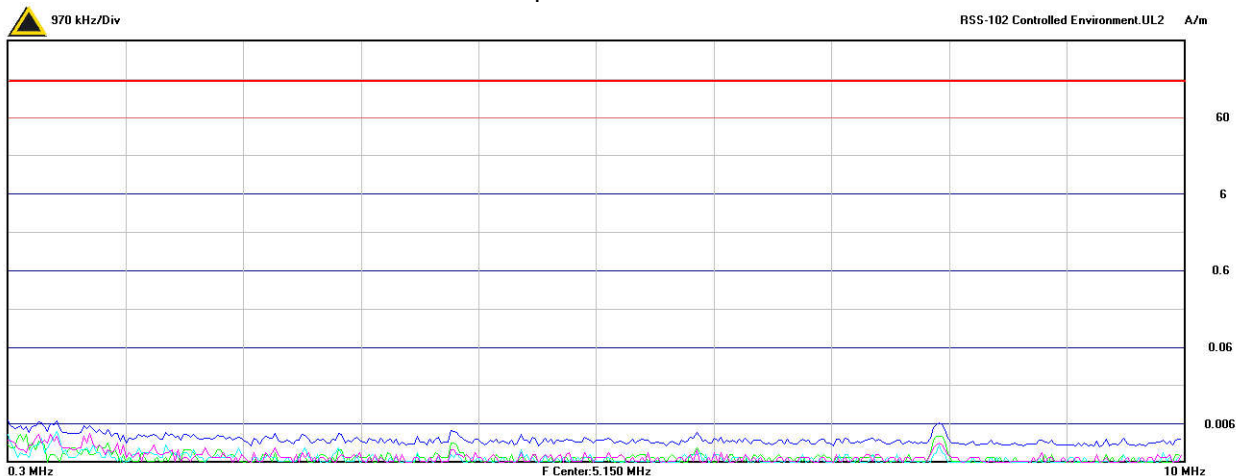
RSS-102: Radio Frequency (RF) Exposure Compliance Test

Manufacturer : Accutech Security
 Model Number : LC1400T
 Serial Number : N/A
 Mode : Tx
 Side Tested : P7
 Freq Range : 3kHz – 300kHz
 Max Peak : 15.993 A/m @ 0.003MHz
 Test personnel : Tylar Jozefczyk
 Date : 5/22/2023 10:37:34 AM
 Results : The Emissions were Compliant



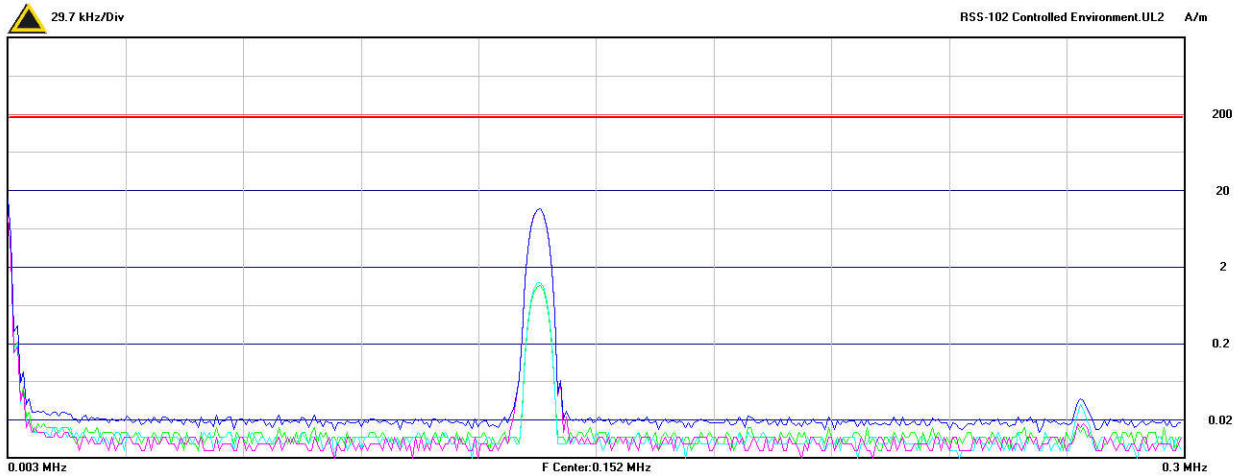
RSS-102: Radio Frequency (RF) Exposure Compliance Test

Manufacturer : Accutech Security
 Model Number : LC1400T
 Serial Number : N/A
 Mode : Tx
 Side Tested : P7
 Freq Range : 300kHz – 10MHz
 Max Peak : 0.0067 A/m @ 0.7MHz
 Test personnel : Tylar Jozefczyk
 Date : 5/22/2023 10:37:35 AM
 Results : The Emissions were Compliant



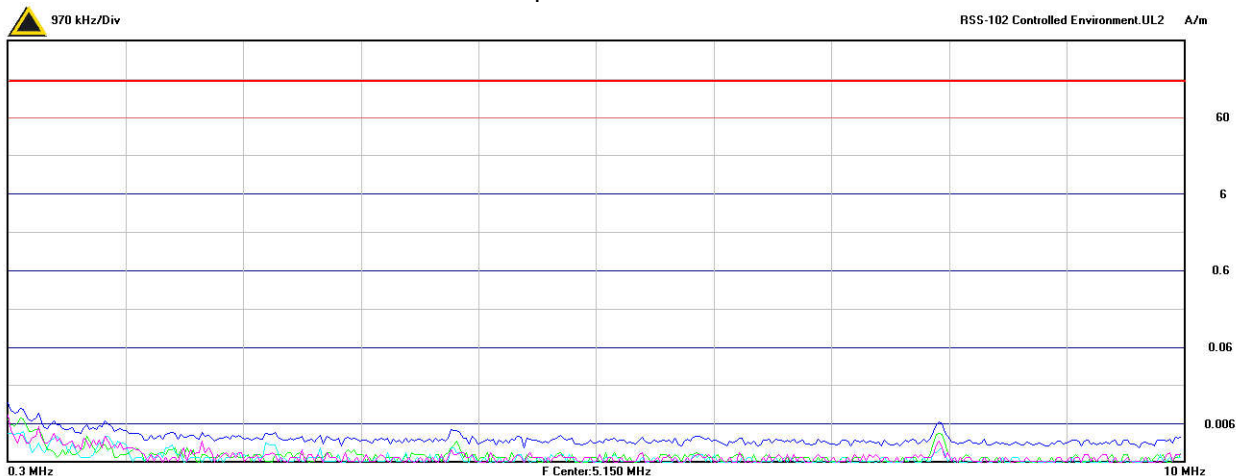
RSS-102: Radio Frequency (RF) Exposure Compliance Test

Manufacturer : Accutech Security
 Model Number : LC1400T
 Serial Number : N/A
 Mode : Tx
 Side Tested : P8
 Freq Range : 3kHz – 300kHz
 Max Peak : 15.998 A/m @ 0.003MHz
 Test personnel : Tylar Jozefczyk
 Date : 5/22/2023 10:37:36 AM
 Results : The Emissions were Compliant



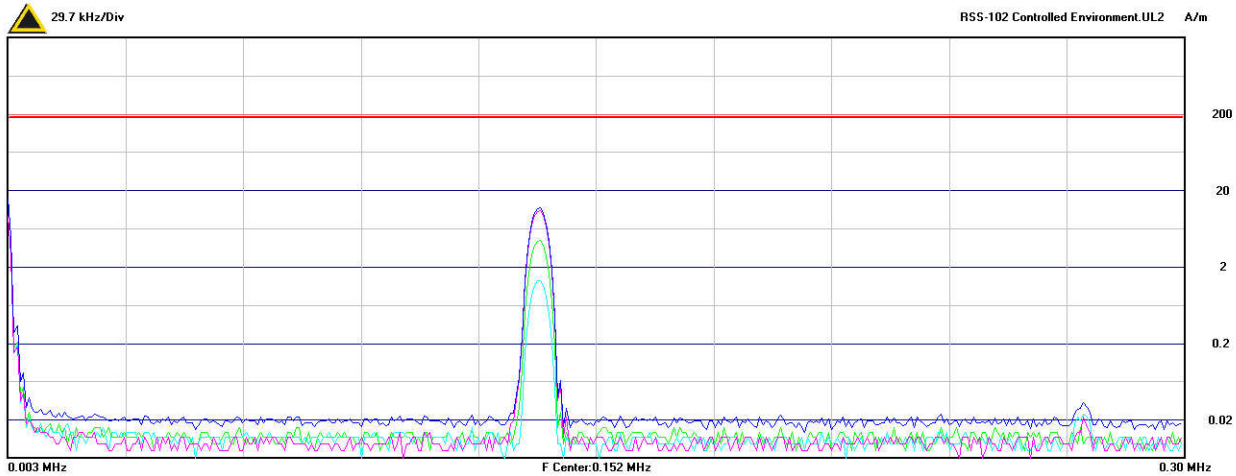
RSS-102: Radio Frequency (RF) Exposure Compliance Test

Manufacturer : Accutech Security
 Model Number : LC1400T
 Serial Number : N/A
 Mode : Tx
 Side Tested : P8
 Freq Range : 300kHz – 10MHz
 Max Peak : 0.0114 A/m @ 0.3MHz
 Test personnel : Tylar Jozefczyk
 Date : 5/22/2023 10:37:36 AM
 Results : The Emissions were Compliant



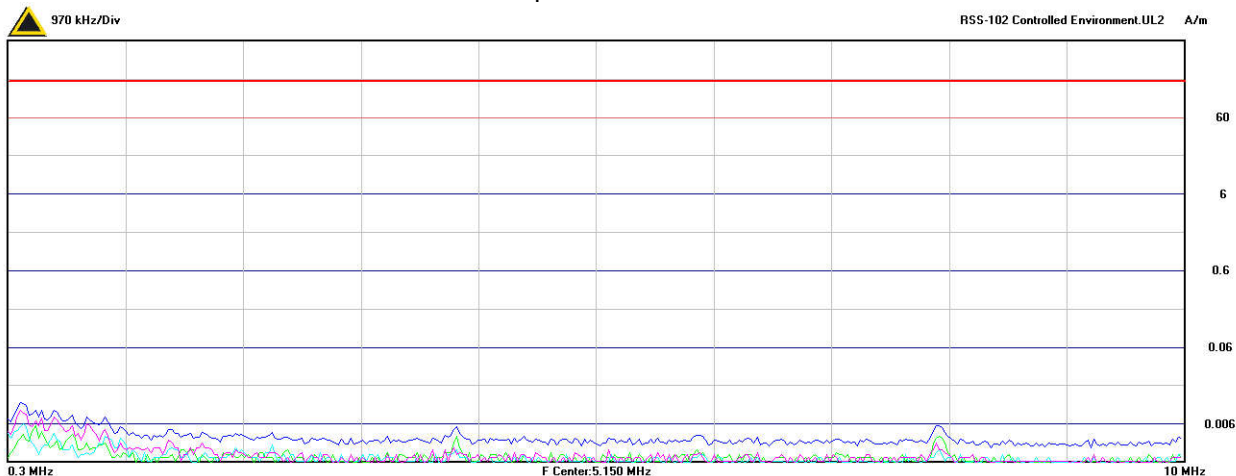
RSS-102: Radio Frequency (RF) Exposure Compliance Test

Manufacturer : Accutech Security
 Model Number : LC1400T
 Serial Number : N/A
 Mode : Tx
 Side Tested : P9
 Freq Range : 3kHz – 300kHz
 Max Peak : 15.995 A/m @ 0.003MHz
 Test personnel : Tylar Jozefczyk
 Date : 5/22/2023 10:37:37 AM
 Results : The Emissions were Compliant



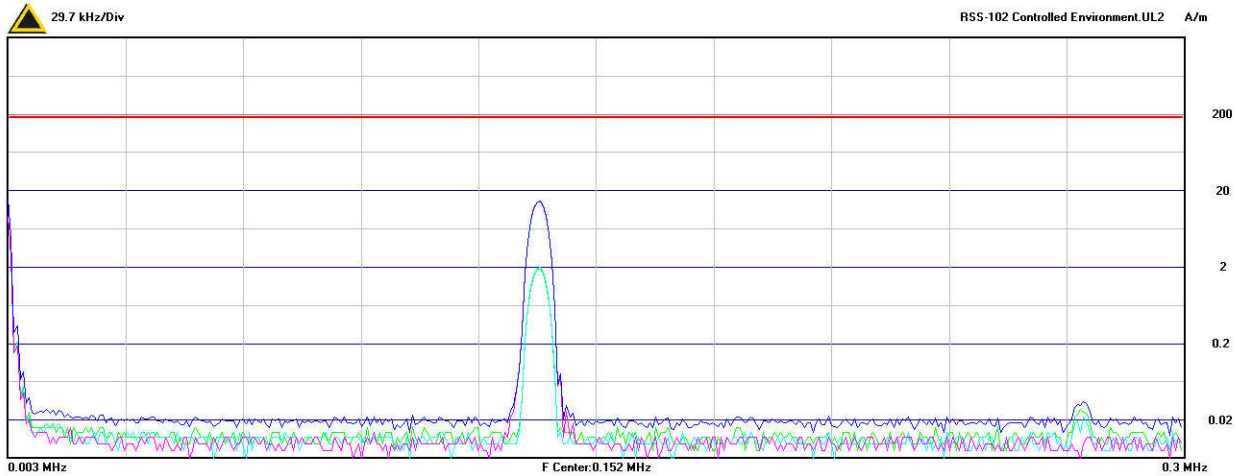
RSS-102: Radio Frequency (RF) Exposure Compliance Test

Manufacturer : Accutech Security
 Model Number : LC1400T
 Serial Number : N/A
 Mode : Tx
 Side Tested : P9
 Freq Range : 300kHz – 10MHz
 Max Peak : 0.0113 A/m @ 0.4MHz
 Test personnel : Tylar Jozefczyk
 Date : 5/22/2023 10:37:38 AM
 Results : The Emissions were Compliant



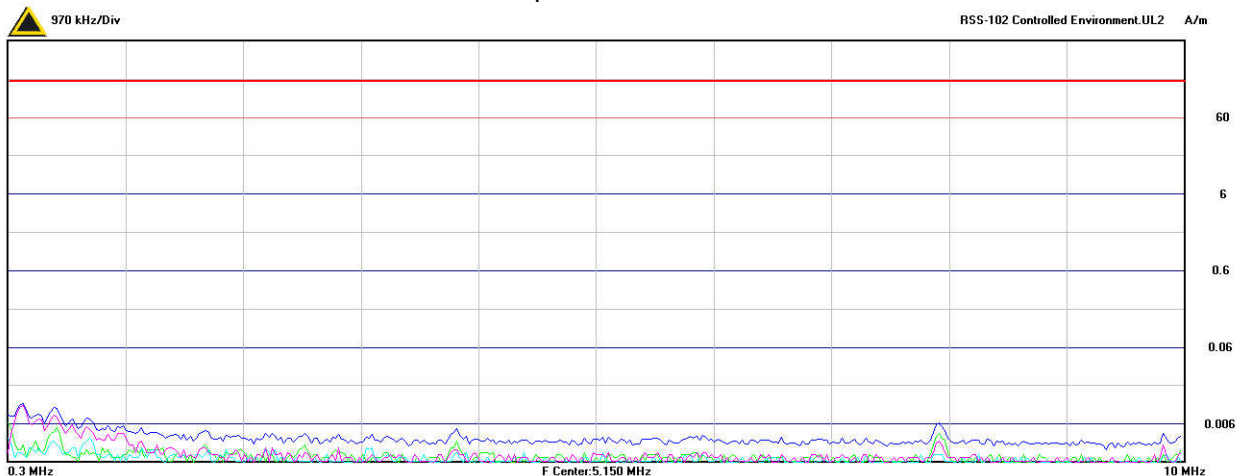
RSS-102: Radio Frequency (RF) Exposure Compliance Test

Manufacturer : Accutech Security
Model Number : LC1400T
Serial Number : N/A
Mode : Tx
Side Tested : P10
Freq Range : 3kHz – 300kHz
Max Peak : 15.963 A/m @ 0.003MHz
Test personnel : Tylar Jozefczyk
Date : 5/22/2023 10:37:19 AM
Results : The Emissions were Compliant



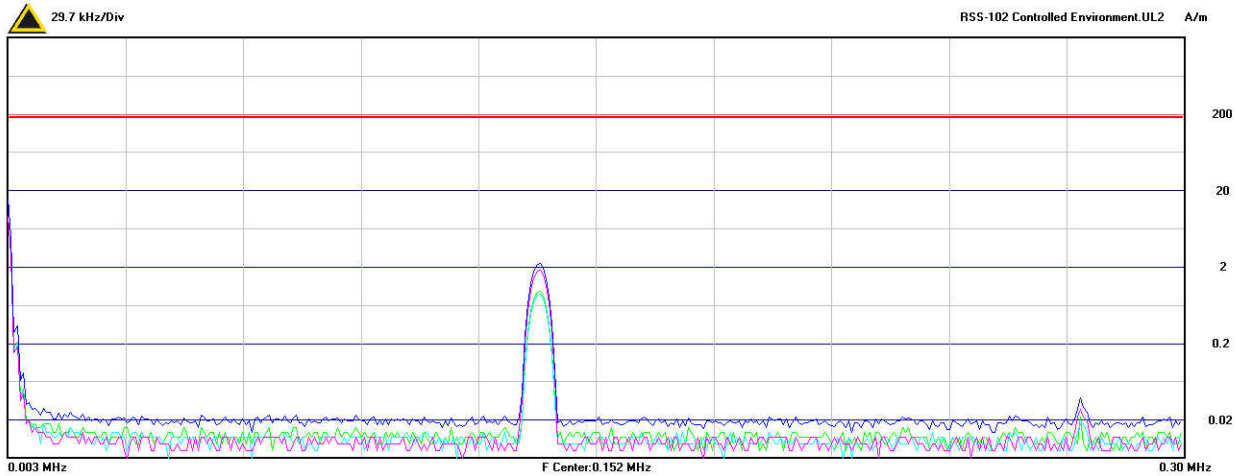
RSS-102: Radio Frequency (RF) Exposure Compliance Test

Manufacturer : Accutech Security
Model Number : LC1400T
Serial Number : N/A
Mode : Tx
Side Tested : P10
Freq Range : 300kHz – 10MHz
Max Peak : 0.0112 A/m @ 0.425MHz
Test personnel : Tylar Jozefczyk
Date : 5/22/2023 10:37:19 AM
Results : The Emissions were Compliant



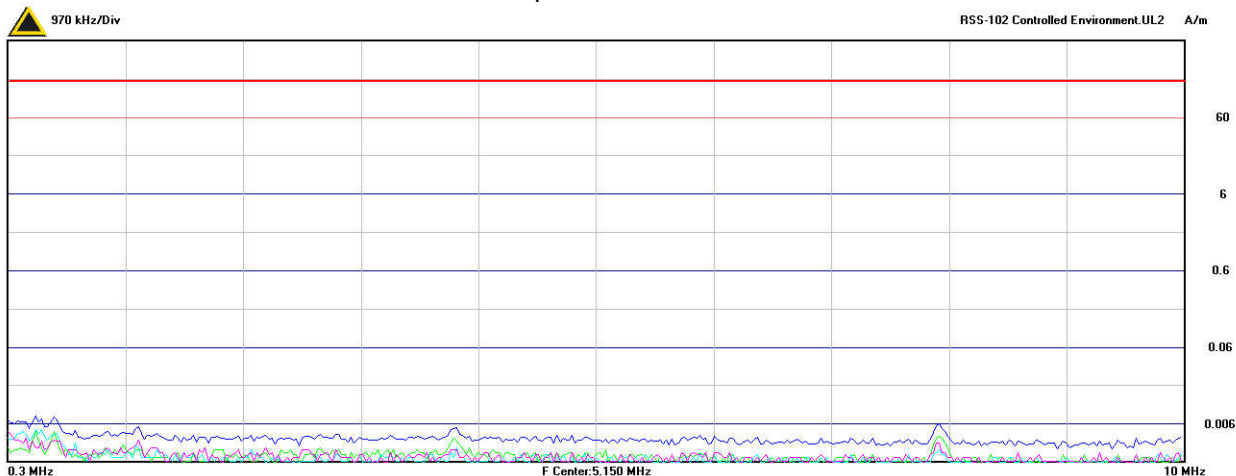
RSS-102: Radio Frequency (RF) Exposure Compliance Test

Manufacturer : Accutech Security
Model Number : LC1400T
Serial Number : N/A
Mode : Tx
Side Tested : P11
Freq Range : 3kHz – 300kHz
Max Peak : 15.984 A/m @ 0.003MHz
Test personnel : Tylar Jozefczyk
Date : 5/22/2023 10:37:21 AM
Results : The Emissions were Compliant



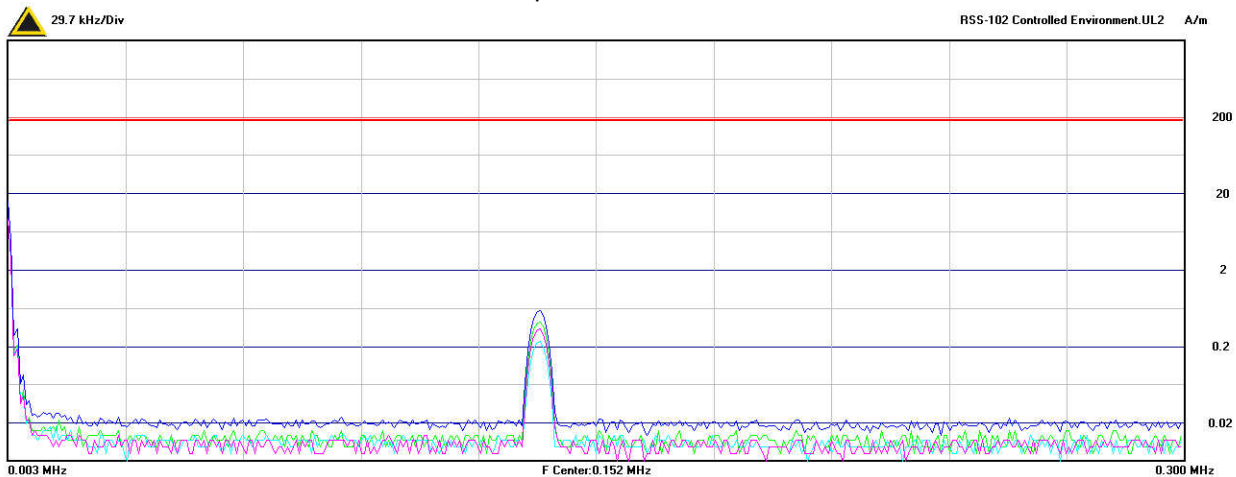
RSS-102: Radio Frequency (RF) Exposure Compliance Test

Manufacturer : Accutech Security
Model Number : LC1400T
Serial Number : N/A
Mode : Tx
Side Tested : P11
Freq Range : 300kHz – 10MHz
Max Peak : 0.0076 A/m @ 0.525MHz
Test personnel : Tylar Jozefczyk
Date : 5/22/2023 10:37:21 AM
Results : The Emissions were Compliant



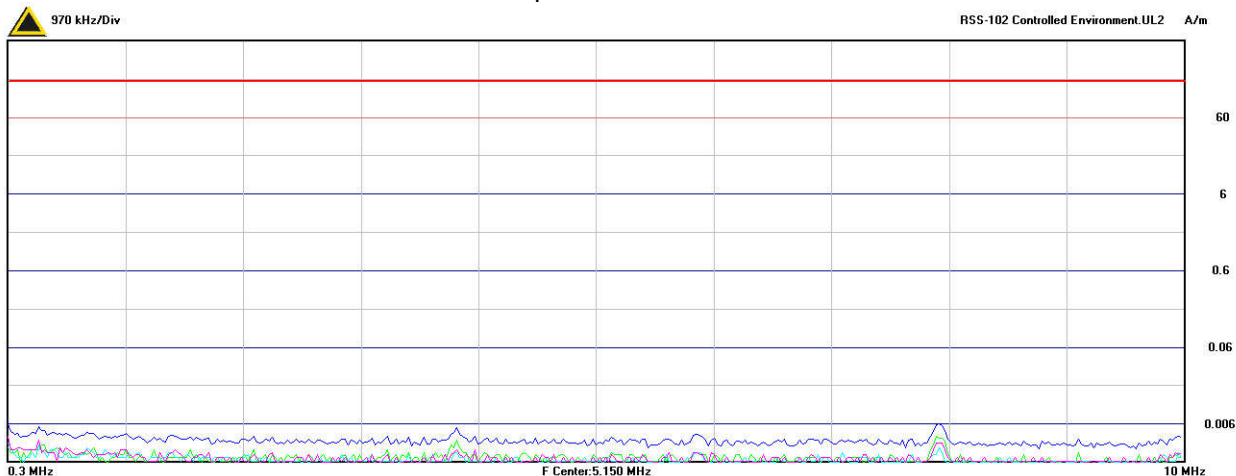
RSS-102: Radio Frequency (RF) Exposure Compliance Test

Manufacturer : Accutech Security
 Model Number : LC1400T
 Serial Number : N/A
 Mode : Tx
 Side Tested : P12
 Freq Range : 3kHz – 300kHz
 Max Peak : 15.982 A/m @ 0.003MHz
 Test personnel : Tylar Jozefczyk
 Date : 5/22/2023 10:37:22 AM
 Results : The Emissions were Compliant



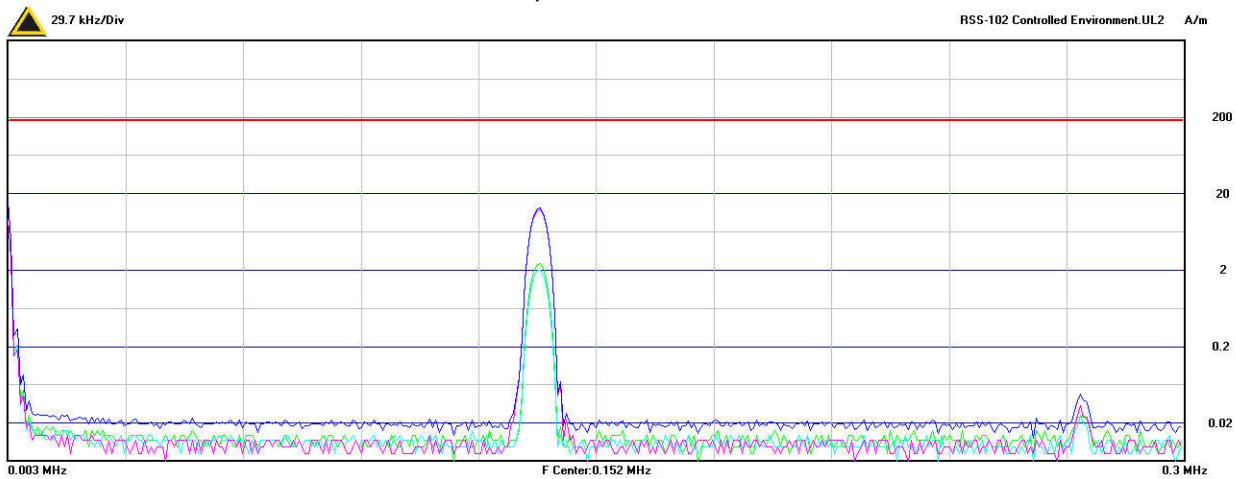
RSS-102: Radio Frequency (RF) Exposure Compliance Test

Manufacturer : Accutech Security
 Model Number : LC1400T
 Serial Number : N/A
 Mode : Tx
 Side Tested : P12
 Freq Range : 300kHz – 10MHz
 Max Peak : 0.0061 A/m @ 0.3MHz
 Test personnel : Tylar Jozefczyk
 Date : 5/22/2023 10:37:22 AM
 Results : The Emissions were Compliant



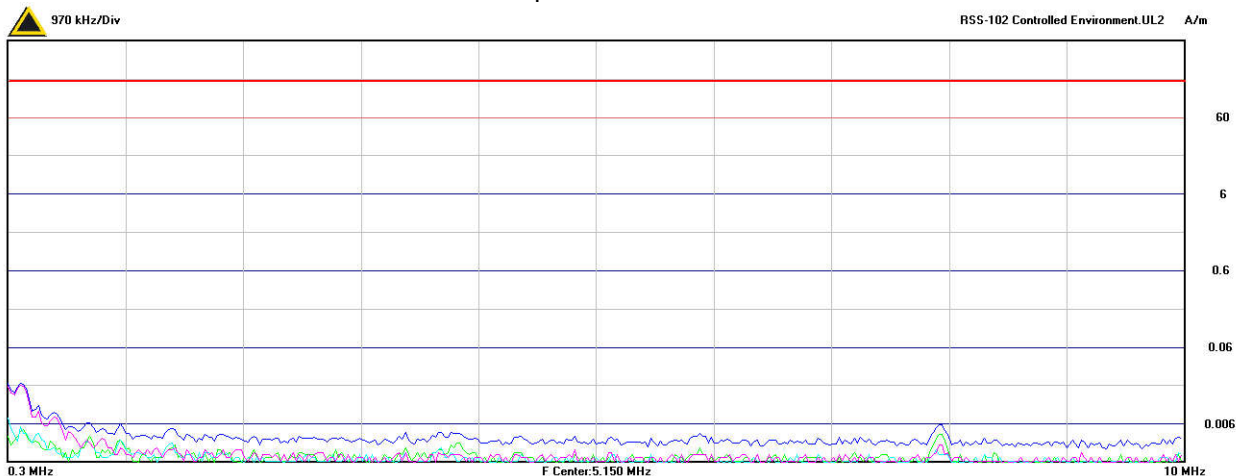
RSS-102: Radio Frequency (RF) Exposure Compliance Test

Manufacturer : Accutech Security
 Model Number : LC1400T
 Serial Number : N/A
 Mode : Tx
 Side Tested : P13
 Freq Range : 3kHz – 300kHz
 Max Peak : 16.018 A/m @ 0.003MHz
 Test personnel : Tylar Jozefczyk
 Date : 5/22/2023 10:37:23 AM
 Results : The Emissions were Compliant



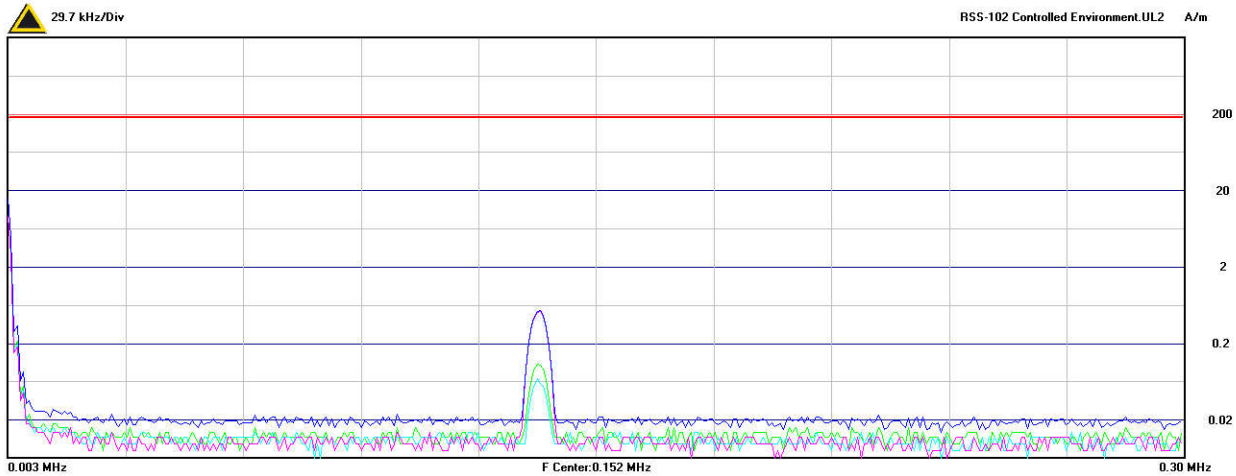
RSS-102: Radio Frequency (RF) Exposure Compliance Test

Manufacturer : Accutech Security
 Model Number : LC1400T
 Serial Number : N/A
 Mode : Tx
 Side Tested : P13
 Freq Range : 300kHz – 10MHz
 Max Peak : 0.0205 A/m @ 0.3MHz
 Test personnel : Tylar Jozefczyk
 Date : 5/22/2023 10:37:24 AM
 Results : The Emissions were Compliant



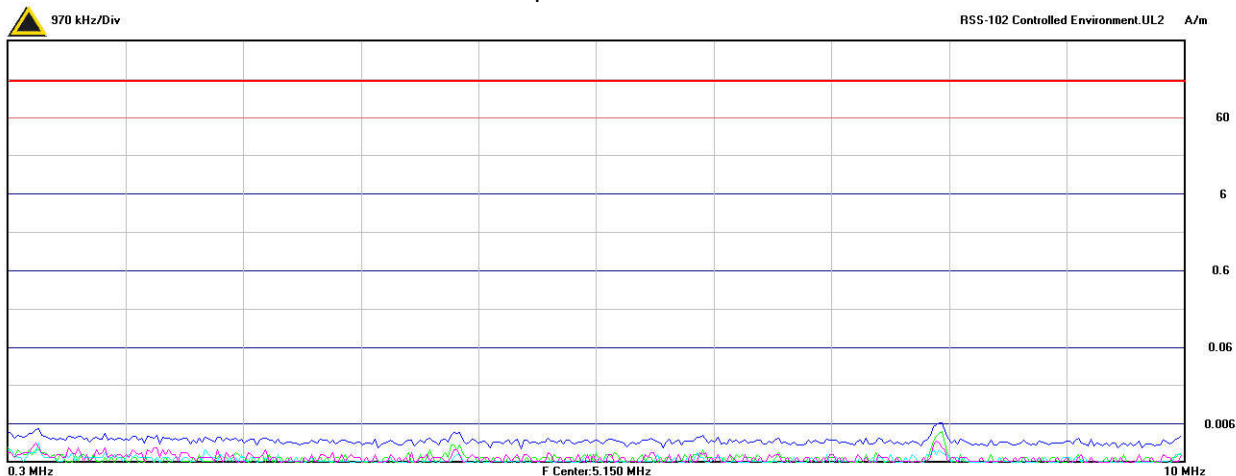
RSS-102: Radio Frequency (RF) Exposure Compliance Test

Manufacturer : Accutech Security
 Model Number : LC1400T
 Serial Number : N/A
 Mode : Tx
 Side Tested : P14
 Freq Range : 3kHz – 300kHz
 Max Peak : 16.034 A/m @ 0.003MHz
 Test personnel : Tylar Jozefczyk
 Date : 5/22/2023 10:37:25 AM
 Results : The Emissions were Compliant



RSS-102: Radio Frequency (RF) Exposure Compliance Test

Manufacturer : Accutech Security
 Model Number : LC1400T
 Serial Number : N/A
 Mode : Tx
 Side Tested : P14
 Freq Range : 300kHz – 10MHz
 Max Peak : 0.0063 A/m @ 7.975MHz
 Test personnel : Tylar Jozefczyk
 Date : 5/22/2023 10:37:25 AM
 Results : The Emissions were Compliant



24. Scope of Accreditation



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ELITE ELECTRONIC ENGINEERING, INC.
 1516 Centre Circle
 Downers Grove, IL 60515
 Robert Bugielski (QA Manager) Phone: 630 495 9770 ext. 168
 Email: rbugielski@elitetest.com
 Craig Fanning (EMC Lab Manager) Phone: 630 495 9770 ext. 112
 Email: cfanning@elitetest.com
 Brandon Lugo (Automotive Team Leader) Phone: 630 495 9770 ext. 163
 Email: blugo@elitetest.com
 Richard King (FCC/Commercial Team Leader) Phone: 630 495 9770 ext. 123
 Email: reking@elitetest.com
 Website: www.elitetest.com

ELECTRICAL

Valid To: June 30, 2023

Certificate Number: 1786.01

In recognition of the successful completion of the A2LA Accreditation Program evaluation process, accreditation is granted to this laboratory to perform the following automotive electromagnetic compatibility and other electrical tests:

<u>Test Technology:</u>	<u>Test Method(s) ¹:</u>
<i>Transient Immunity</i>	ISO 7637-2 (including emissions); ISO 7637-3; ISO 16750-2:2012, Sections 4.6.3 and 4.6.4; CS-11979, Section 6.4; CS.00054, Section 5.9; EMC-CS-2009.1 (CI220); FMC1278 (CI220, CI221, CI222); GMW 3097, Section 3.5; SAE J1113-11; SAE J1113-12; ECE Regulation 10.06 Annex 10
<i>Electrostatic Discharge (ESD)</i>	ISO 10605 (2001, 2008); CS-11979 Section 7.0; CS.00054, Section 5.10; EMC-CS-2009.1 (CI 280); FMC1278 (CI280); SAE J1113-13; GMW 3097 Section 3.6
<i>Conducted Emissions</i>	CISPR 25 (2002, 2008), Sections 6.2 and 6.3; CISPR 25 (2016), Sections 6.3 and 6.4; CS-11979, Section 5.1; CS.00054, Sections 5.6.1 and 5.6.2; GMW 3097, Section 3.3.2; EMC-CS-2009.1 (CE 420); FMC1278 (CE420, CE421)
<i>Radiated Emissions Anechoic</i>	CISPR 25 (2002, 2008), Section 6.4; CISPR 25 (2016), Section 6.5; CS-11979, Section 5.3; CS.00054, Section 5.6.3; GMW 3097, Section 3.3.1; EMC-CS-2009.1 (RE 310); FMC1278 (RE310); ECE Regulation 10.06 Annex 7 (Broadband) ECE Regulation 10.06 Annex 8 (Narrowband)

(A2LA Cert. No. 1786.01) Revised 06/24/2021

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<u>Test Technology:</u>	<u>Test Method(s) ¹:</u>
<i>Vehicle Radiated Emissions</i>	CISPR 12; CISPR 36; ICES-002; ECE Regulation 10.06 Annex 5
<i>Bulk Current Injection (BCI)</i>	ISO 11452-4; CS-11979, Section 6.1; CS.00054, Section 5.8.1; GMW 3097, Section 3.4.1; SAE J1113-4; EMC-CS-2009.1 (RI112); FMC1278 (RI112); ECE Regulation 10.06 Annex 9
<i>Radiated Immunity Anechoic (Including Radar Pulse)</i>	ISO 11452-2; ISO 11452-5; CS-11979, Section 6.2; CS.00054, Section 5.8.2; GMW 3097, Section 3.4.2; EMC-CS-2009.1 (RI114); FMC1278 (RI114); SAE J1113-21; ECE Regulation 10.06 Annex 9
<i>Radiated Immunity Magnetic Field</i>	ISO 11452-8
<i>Radiated Immunity Reverb</i>	ISO/IEC 61000-4-21; GMW 3097, Section 3.4.3; EMC-CS-2009.1 (RI114); FMC1278 (RI114); ISO 11452-11
<i>Radiated Immunity (Portable Transmitters)</i>	ISO 11452-9; EMC-CS-2009.1 (RI115); FMC1278 (RI115)
<i>Vehicle Radiated Immunity (ALSE)</i>	ISO 11451-2; ECE Regulation 10.06 Annex 6
<i>Vehicle Product Specific EMC Standards</i>	EN 14982; EN ISO 13309, ISO 13766; EN 50498; EC Regulation No. 2015/208; EN 55012
<i>Electrical Loads</i>	ISO 16750-2
Emissions Radiated and Conducted (3m Semi-anechoic chamber, up to 40 GHz)	47 CFR, FCC Part 15 B (using ANSI C63.4:2014); 47 CFR, FCC Part 18 (using FCC MP-5:1986); ICES-001; ICES-003; ICES-005; IEC/CISPR 11, Ed. 4.1 (2004-06); AS/NZS CISPR 11 (2004); IEC/CISPR 11 Ed 5 (2009-05) + A1 (2010); KN 11 (2008-5) with RRL Notice No. 2008-3 (May 20, 2008); CISPR 11; EN 55011; KS C 9811; CNS 13803 (1997, 2003); CISPR 14-1; EN 55014-1; AS/NZS CISPR 14.1; KS C 9814-1; KN 14-1; IEC/CISPR 22 (1997); EN 55022 (1998) + A1(2000); EN 55022 (1998) + A1(2000) + A2(2003); EN 55022 (2006); IEC/CISPR 22 (2008-09); AS/NZS CISPR 22 (2004); AS/NZS CISPR 22, 3rd Edition (2006); KN 22 (up to 6 GHz); CNS 13438 (up to 6 GHz); VCCI V-3 (up to 6 GHz); CISPR 32; EN 55032; KS C 9832; KN 32; ECE Regulation 10.06 Annex 14
Cellular Radiated Spurious Emissions	ETSI TS 151 010-1 GSM; 3GPP TS 51.010-1, Sec 12; ETSI TS 134 124 UMTS; 3GPP TS 34.124; ETSI TS 136 124 LTE; E-UTRA; 3GPP TS 36.124

<u>Test Technology:</u>	<u>Test Method(s) ¹:</u>
Emissions (cont'd)	
Current Harmonics	IEC 61000-3-2; EN 61000-3-2; KN 61000-3-2; KS C 9610-3-2; ECE Regulation 10.06 Annex 11
Flicker and Fluctuations	IEC 61000-3-3; EN 61000-3-3; KN 61000-3-3; KS C 9610-3-3; ECE Regulation 10.06 Annex 12
Immunity	
Electrostatic Discharge	IEC 61000-4-2, Ed. 1.2 (2001); IEC 61000-4-2 (1995) + A1(1998) + A2(2000); EN 61000-4-2 (1995); EN 61000-4-2 (2009-05); KN 61000-4-2 (2008-5); RRL Notice No. 2008-4 (May 20, 2008); IEC 61000-4-2; EN 61000-4-2; KN 61000-4-2; KS C 9610-4-2; IEEE C37.90.3 2001
Radiated Immunity	IEC 61000-4-3 (1995) + A1(1998) + A2(2000); IEC 61000-4-3, Ed. 3.0 (2006-02); IEC 61000-4-3, Ed. 3.2 (2010); KN 61000-4-3 (2008-5); RRL Notice No. 2008-4 (May 20, 2008); IEC 61000-4-3; EN 61000-4-3; KN 61000-4-3; KS C 9610-4-3; IEEE C37.90.2 2004
Electrical Fast Transient/Burst	IEC 61000-4-4, Ed. 2.0 (2004-07); IEC 61000-4-4, Ed. 2.1 (2011); IEC 61000-4-4 (1995) + A1(2000) + A2(2001); KN 61000-4-4 (2008-5); RRL Notice No. 2008-5 (May 20, 2008); IEC 61000-4-4; EN 61000-4-4; KN 61000-4-4; KS C 9610-4-4; ECE Regulation 10.06 Annex 15
Surge	IEC 61000-4-5 (1995) + A1(2000); IEC 61000-4-5, Ed 1.1 (2005-11); EN 61000-4-5 (1995) + A1(2001); KN 61000-4-5 (2008-5); RRL Notice No. 2008-4 (May 20, 2008); IEC 61000-4-5; EN 61000-4-5; KN 61000-4-5; KS C 9610-4-5; IEEE C37.90.1 2012; IEEE STD C62.41.2 2002; ECE Regulation 10.06 Annex 16
Conducted Immunity	IEC 61000-4-6 (1996) + A1(2000); IEC 61000-4-6, Ed 2.0 (2006-05); IEC 61000-4-6 Ed. 3.0 (2008); KN 61000-4-6 (2008-5); RRL Notice No. 2008-4 (May 20, 2008); EN 61000-4-6 (1996) + A1(2001); IEC 61000-4-6; EN 61000-4-6; KN 61000-4-6; KS C 9610-4-6

<u>Test Technology:</u>	<u>Test Method(s) ¹:</u>
Immunity (cont'd)	
Power Frequency Magnetic Field Immunity (<i>Down to 3 A/m</i>)	IEC 61000-4-8 (1993) + A1(2000); IEC 61000-4-8 (2009); EN 61000-4-8 (1994) + A1(2000); KN 61000-4-8 (2008-5); RRL Notice No. 2008-4 (May 20, 2008); IEC 61000-4-8; EN 61000-4-8; KN 61000-4-8; KS C 9610-4-8
Voltage Dips, Short Interrupts, and Line Voltage Variations	IEC 61000-4-11, Ed. 2 (2004-03); KN 61000-4-11 (2008-5); RRL Notice No. 2008-4 (May 20, 2008); IEC 61000-4-11; EN 61000-4-11; KN 61000-4-11; KS C 9610-4-11
Ring Wave	IEC 61000-4-12, Ed. 2 (2006-09); EN 61000-4-12:2006; IEC 61000-4-12; EN 61000-4-12; KN 61000-4-12; IEEE STD C62.41.2 2002
Generic and Product Specific EMC Standards	IEC/EN 61000-6-1; AS/NZS 61000-6-1; KN 61000-6-1; KS C 9610-6-1; IEC/EN 61000-6-2; AS/NZS 61000-6-2; KN 61000-6-2; KS C 9610-6-2; IEC/EN 61000-6-3; AS/NZS 61000-6-3; KN 61000-6-3; KS C 9610-6-3; IEC/EN 61000-6-4; AS/NZS 61000-6-4; KN 61000-6-4; KS C 9610-6-4; EN 50130-4; EN 61326-1; EN 50121-3-2; EN 12895; EN 50270; EN 50491-1; EN 50491-2; EN 50491-3; EN 55015; EN 60730-1; EN 60945; IEC 60533; EN 61326-2-6; EN 61800-3; IEC/CISPR 14-2; EN 55014-2; AS/NZS CISPR 14.2; KN 14-2; KS C 9814-2; IEC/CISPR 24; AS/NZS CISPR 24; EN 55024; KN 24; IEC/CISPR 35; AS/NZS CISPR 35; EN 55035; KN 35; KS C 9835; IEC 60601-1-2; JIS T0601-1-2
<i>TxRx EMC Requirements</i>	EN 301 489-1; EN 301 489-3; EN 301 489-9; EN 301 489-17; EN 301 489-19; EN 301 489-20
<i>European Radio Test Standards</i>	ETSI EN 300 086-1; ETSI EN 300 086-2; ETSI EN 300 113-1; ETSI EN 300 113-2; ETSI EN 300 220-1; ETSI EN 300 220-2; ETSI EN 300 220-3-1; ETSI EN 300 220-3-2; ETSI EN 300 330-1; ETSI EN 300 330-2; ETSI EN 300 440-1; ETSI EN 300 440-2; ETSI EN 300 422-1; ETSI EN 300 422-2; ETSI EN 300 328; ETSI EN 301 893; ETSI EN 301 511; ETSI EN 301 908-1; ETSI EN 908-2; ETSI EN 908-13; ETSI EN 303 413; ETSI EN 302 502; EN 303 340; EN 303 345-2; EN 303 345-3; EN 303 345-4

<u>Test Technology:</u>	<u>Test Method(s) ¹:</u>
<i>Canadian Radio Tests</i>	RSS-102 (RF Exposure Evaluation only); RSS-111; RSS-112; RSS-117; RSS-119; RSS-123; RSS-125; RSS-127; RSS-130; RSS-131; RSS-132; RSS-133; RSS-134; RSS-135; RSS-137; RSS-139; RSS-140; RSS-141; RSS-142; RSS-170; RSS-181; RSS-182; RSS-191; RSS-192; RSS-194; RSS-195; RSS-196; RSS-197; RSS-199; RSS-210; RSS-211; RSS-213; RSS-215; RSS-216; RSS-220; RSS-222; RSS-236; RSS-238; RSS-243; RSS-244; RSS-247; RSS-251; RSS-252; RSS-287; RSS-288; RSS-310; RSS-GEN
<i>Mexico Radio Tests</i>	IFT-008-2015; NOM-208-SCFI-2016
<i>Japan Radio Tests</i>	Radio Law No. 131, Ordinance of MPT No. 37, 1981, MIC Notification No. 88:2004, Table No. 22-11; ARIB STD-T66, Regulation 18
<i>Taiwan Radio Tests</i>	LP-0002 (July 15, 2020)
<i>Australia/New Zealand Radio Tests</i>	AS/NZS 4268; Radiocommunications (Short Range Devices) Standard (2014)
<i>Hong Kong Radio Tests</i>	HKCA 1039 Issue 6; HKCA 1042; HKCA 1033 Issue 7; HKCA 1061; HKCA 1008; HKCA 1043; HKCA 1057; HKCA 1073
<i>Korean Radio Test Standards</i>	KN 301 489-1; KN 301 489-3; KN 301 489-9; KN 301 489-17; KN 301 489-52; KS X 3124; KS X 3125; KS X 3130; KS X 3126; KS X 3129
<i>Vietnam Radio Test Standards</i>	QCVN 47:2015/BTTTT; QCVN 54:2020/BTTTT; QCVN 55:2011/BTTTT; QCVN 65:2013/BTTTT; QCVN 73:2013/BTTTT; QCVN 74:2020/BTTTT; QCVN 112:2017/BTTTT; QCVN 117:2020/BTTTT
<i>Vietnam EMC Test Standards</i>	QCVN 18:2014/BTTTT; QCVN 86:2019/BTTTT; QCVN 96:2015/BTTTT; QCVN 118:2018/BTTTT
<i>Unlicensed Radio Frequency Devices (3 Meter Semi-Anechoic Room)</i>	47 CFR FCC Part 15C, 15D, 15E, 15F, 15G, 15H (using ANSI C63.10:2013, ANSI C63.17:2013 and FCC KDB 905462 D02 (v02))
<i>Licensed Radio Service Equipment</i>	47 CFR FCC Parts 20, 22, 24, 25, 27, 30, 73, 74, 80, 87, 90, 95, 96, 97, 101 (using ANSI/TIA-603-E, TIA-102.CAAA-E, ANSI C63.26:2015)

Test Technology:

OIA (Over the Air) Performance
 GSM, GPRS, EGPRS
 UMTS (W-CDMA)
 LTE including CAT M1
 A-GPS for UMTS/GSM
 LTS A-GPS, A-GLONASS,
 SIB8/SIB16
 Large Device/Laptop/Tablet Testing
 Integrated Device Testing
 WiFi 802.11 a/b/g/n/a

Test Method(s) ¹:

CTIA Test Plan for Wireless Device Over-the-Air Performance (Method for Measurement for Radiated Power and Receiver Performance) V3.8.2;
 CTIA Test Plan for RF Performance Evaluation of WiFi Mobile Converged Devices V2.1.0

Electrical Measurements and Simulation

AC Voltage / Current

(1mV to 5kV) 60 Hz
 (0.1V to 250V) up to 500 MHz
 (1µA to 150A) 60 Hz

FAA AC 150/5345-10H
 FAA AC 150/5345-43J
 FAA AC 150/5345-44K

DC Voltage / Current

(1mV to 15-kV) / (1µA to 10A)

FAA AC 150/5345-46E
 FAA AC 150/5345-47C

Power Factor / Efficiency / Crest Factor
 (Power to 30kW)

FAA EB 67D

Resistance

(1mΩ to 4000MΩ)

Surge

(Up to 10 kV / 5 kA) (Combination Wave and Ring Wave)

On the following products and materials:

Telecommunications Terminal Equipment (TTE), Radio Equipment, Network Equipment, Information Technology Equipment (ITE), Automotive Electronic Equipment, Automotive Hybrid Electronic Devices, Maritime Navigation and Radio Communication Equipment and Systems, Vehicles, Boats and Internal Combustion Engine Driven Devices, Automotive, Aviation, and General Lighting Products, Medical Electrical Equipment, Motors, Industrial, Scientific and Medical (ISM) Radio-Frequency Equipment, Household Appliances, Electric Tools, Low-voltage Switchgear and Control gear, Programmable Controllers, Electrical Equipment for Measurement, Control and Laboratory Use, Base Materials, Power and Data Transmission Cables and Connectors

¹ When the date, edition, version, etc. is not identified in the scope of accreditation, laboratories may use the version that immediately precedes the current version for a period of one year from the date of publication of the standard measurement method, per part C., Section 1 of A2LA R101 - General Requirements - Accreditation of ISO-IEC 17025 Laboratories.

Testing Activities Performed in Support of FCC Certification in Accordance with 47 Code of Federal Regulations and FCC KDB 974614, Appendix A, Table A.1²

Rule Subpart/Technology	Test Method	Maximum Frequency (MHz)
<u>Unintentional Radiators</u> Part 15B	ANSI C63.4:2014	40000

Testing Activities Performed in Support of FCC Certification in Accordance with 47 Code of Federal Regulations and FCC KDB 974614, Appendix A, Table A.1²

Rule Subpart/Technology	Test Method	Maximum Frequency (MHz)
<u>Industrial, Scientific, and Medical Equipment</u> Part 18	FCC MP-5 (February 1986)	40000
<u>Intentional Radiators</u> Part 15C	ANSI C63.10:2013	40000
<u>Unlicensed Personal Communication Systems Devices</u> Part 15D	ANSI C63.17:2013	40000
<u>U-NII without DFS Intentional Radiators</u> Part 15E	ANSI C63.10:2013	40000
<u>U-NII with DFS Intentional Radiators</u> Part 15E	FCC KDB 905462 D02 (v02)	40000
<u>UWB Intentional Radiators</u> Part 15F	ANSI C63.10:2013	40000
<u>BPL Intentional Radiators</u> Part 15G	ANSI C63.10:2013	40000
<u>White Space Device Intentional Radiators</u> Part 15H	ANSI C63.10:2013	40000
<u>Commercial Mobile Services (FCC Licensed Radio Service Equipment)</u> Parts 22 (cellular), 24, 25 (below 3 GHz), and 27	ANSI/TIA-603-E; TIA-102.CAAA-E; ANSI C63.26:2015	40000
<u>General Mobile Radio Services (FCC Licensed Radio Service Equipment)</u> Parts 22 (non-cellular), 90 (below 3 GHz), 95, 97, and 101 (below 3 GHz)	ANSI/TIA-603-E; TIA-102.CAAA-E; ANSI C63.26:2015	40000
<u>Citizens Broadband Radio Services (FCC Licensed Radio Service Equipment)</u> Part 96	ANSI/TIA-603-E; TIA-102.CAAA-E; ANSI C63.26:2015	40000

Testing Activities Performed in Support of FCC Certification in Accordance with 47 Code of Federal Regulations and FCC KDB 974614, Appendix A, Table A.1²

Rule Subpart/Technology	Test Method	Maximum Frequency (MHz)
<u>Maritime and Aviation Radio Services</u> Parts 80 and 87	ANSI/TIA-603-E; ANSI C63.26:2015	40000
<u>Microwave and Millimeter Bands Radio Services</u> Parts 25, 30, 74, 90 (above 3 GHz), 97 (above 3 GHz), and 101	ANSI/TIA-603-E; TIA-102.CAAA-E; ANSI C63.26:2015	40000
<u>Broadcast Radio Services</u> Parts 73 and 74 (below 3 GHz)	ANSI/TIA-603-E; TIA-102.CAAA-E; ANSI C63.26:2015	40000
<u>Signal Boosters</u> Part 20 (Wideband Consumer Signal Boosters, Provider-specific signal boosters, and Industrial Signal Boosters) Section 90.219	ANSI C63.26:2015	40000

² Accreditation does not imply acceptance to the FCC equipment authorization program. Please see the FCC website (<https://apps.fcc.gov/oetcf/eas/>) for a listing of FCC approved laboratories.



Accredited Laboratory

A2LA has accredited

ELITE ELECTRONIC ENGINEERING INC.

Downers Grove, IL

for technical competence in the field of

Electrical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



Presented this 19th day of May 2021.



Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 1786.01
Valid to June 30, 2023

For the tests to which this accreditation applies, please refer to the laboratory's Electrical Scope of Accreditation.