

**Application for Certification
For a LPRS Transmitter.**

Listen Technologies Corporation
14912 Heritage Crest Way
Bluffdale, UT 84065

Assisted Listening Technology Device

M/N: LT-800-216

FCC ID: OMD800-004
IC: 4011A-LT800216
HVIN: LT-800-216

REPORT # UT46009A-005

This report was prepared in accordance with the requirements of the FCC Rules and Regulations Part 2, Subpart J, 2.1033, Part 95, RSS-210 Issue 10 and other applicable sections of the rules as indicated herein.

Prepared By:

DNB Engineering, Inc.
1100 E Chalk Creek Road
Coalville, UT 84017

1 Dec 2023

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Paragraph numbers in this report follow the application section numbers found in the FEDERAL COMMUNICATIONS COMMISSION Rules and Regulations, Part 2, Subpart J for Certification of electronic equipment.

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1.0 ADMINISTRATIVE DATA

1.1 Certifications and Qualifications

I certify that DNB Engineering, Inc conducted the tests performed in order to obtain the technical data presented in this application. Also, based on the results of the enclosed data, I have concluded that the equipment tested meets or exceeds the requirements of the Rules and Regulations governing this application.

1.2 Measurement Repeatability Information

The test data presented in this report has been acquired using the guidelines set forth in FCC Part 2.1031 through 2.1057, Part 95. The test results presented in this document are valid only for the equipment identified herein under the test conditions described. Repeatability of these test results will only be achieved with identical measurement conditions. These conditions include: The same test distance, EUT Height, Measurement Site Characteristics, and the same EUT System Components. The system must have the same Interconnecting Cables arranged in identical placement to that in the test set-up, with the system and/or EUT functioning in the identical mode of operation (i.e. software and so on) as on the date of the test. Any deviation from the test conditions and the environment on the date of the test may result in measurement repeatability difficulties.

All changes made to the EUT during the course of testing as identified in this test report must be incorporated into the EUT or identical models to ensure compliance with the FCC regulations.



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Coalville Facility.
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1.3 Test Equipment List

TEST EQUIPMENT LIST - CONDUCTED EMISSIONS					
Description	Manufacturer	Model No.	Asset #	Serial #	Cal Due
LISN	Fisher Custom Communications	FCCLISN5032401	U-286	2020	03 Feb 2024
Site 1 CE Cable	DNB	N/A	U-400B	N/A	01 Dec 2023
Spectrum Analyzer	Rhode & Schwarz	FSV30	U-248	101367	27 Aug 2023
TILE Software	ETS Lindgren	3.4.11.13	U-317	8112006	07 Mar 2024

TEST EQUIPMENT LIST - RADIATED EMISSIONS					
Description	Manufacturer	Model No.	Asset #	Serial #	Cal Due
Pre-Amplifier	Hewlett Packard	8447D	U-068	2727A06184	04 Aug 2023
Pre-Amplifier	DNB	S-21G	U-095	U-095-1	03 Feb 2024
Site 1 RE Cable	DNB	N/A	U-400B	N/A	01 Dec 2023
High Freq Cable	TRU Corp	210	U-066	TRU-21B1111-080M	08 Feb 2024
BiConiLog Antenna	ETS - Lindgren	3142E	U-255	154973	03 Sep 2023
DRG Horn Antenna	AH Systems	SAS-571	U-071	417	11 Jul 2023
Spectrum Analyzer	Rhode & Schwarz	FSV30	U-248	101367	27 Aug 2023
TILE Software	ETS- Lindgren	3.4.11.13	U-317	8112006	07 Mar 2024

TEST EQUIPMENT LIST - ANTENNA CONDUCTED					
Description	Manufacturer	Model No.	Asset #	Serial #	Cal Due
Spectrum Analyzer	Rhode & Schwarz	FSV30	U-248	101367	27 Aug 2024

1.4 Test Summary Cross Reference

Test Item	FCC Requirement	IC Requirement	Test Method	Result
Antenna Requirement	FCC Part 95, Subpart G Section 95.2141 (a)	RSS-Gen-Issue 5 Section 6.8	---	Pass
Minimum 26dB Bandwidth	FCC Part 95, Subpart G Section 95.2173	RSS-Gen-Issue 5 Section 6.7	ANSI C63.26 (2015) Section 5.4	Pass
99% Occupied Bandwidth	FCC Part 95, Subpart G Section 95.2173	RSS-Gen-Issue 5 Section 6.7	ANSI C63.26 (2015) Section 5.4	Pass
Output Power	FCC Part 95, Subpart G Section 95.2167	RSS-210 Issue 10 Aug 2016 Annex C.2 (a)	ANSI C63.26 (2015) Section 5.2	Pass
Power Spectrum Density	FCC Part 95, Subpart G Section 95.2167	RSS-210 Issue 10 Aug 2016 Annex C.2 (a)	ANSI C63.26 (2015) Section 5.2	Pass
OOB / Band Edge	FCC Part 95, Subpart G Section 95.2179	RSS-210 Issue 10 Aug 2016 Annex C.2 (d)	ANSI C63.10 (2013) Section 5.7	Pass
Radiated Spurious Emissions	FCC Part 95, Subpart G Section 95.2179	RSS-210 Issue 10 Aug 2016 Annex C.2 (d)	ANSI C63.26 (2015) Section 5.5	Pass
Frequency Stability	FCC Part 95, Subpart G Section 95.2165	RSS-210 Issue 10 Aug 2016 Annex C.2 (b)	ANSI C63.26 (2015) Section 5.6	Pass

Preliminary scans were performed to determine worst case modulation, packet length, and data rates. Only worst case data has been recorded within the body of the test report.

1.5 Measurement Uncertainty

Measurement Type	Uncertainty
AC Conducted Emissions	± 1.67 dB
OATS - Radiated Emissions - Vertical Biconical (30-300MHz)	± 4.17 dB
OATS - Radiated Emissions - Horizontal Biconical (30-300MHz)	± 4.22 dB
OATS - Radiated Emissions - Vertical Log Periodic (300-100MHz)	± 4.92 dB
OATS - Radiated Emissions - Horizontal Log Periodic (300-1000MHz)	± 4.79 dB
OATS - Radiated Emissions - Vertical DRG Horn (> 1GHz)	± 5.74 dB
OATS - Radiated Emissions - Horizontal DRG Horn (>1GHz)	± 5.80 dB
Antenna Conducted Measurements	± 1.96 dB

2.1033 (b) (1) Application for Certification

Name of Applicant: Listen Technologies Corporation
14912 Heritage Crest Way
Bluffdale, UT 84065

FRN Number: 0009694597

Applicant is: X Listen Technologies Corporation
Vendor
Licensee
Prospective Licensee
Other

Name of Manufacturer : Listen Technologies Corporation
14912 Heritage Crest Way
Bluffdale, UT 84065

Description: Assisted Listening Technology Device

Part Number: LT-800-216

Anticipated Production Quantity: Multiple Units

Rated Power - Standard Band: 92mW (19.65dBm) 24K5F3E

Rated Power - Extra Band: 90mW (19.54dBm) 46K4F3E

Channel List

Frequency MHz	Liston	Phonic Ear	Comtek	Phonak	Williams	Gentner	CSI	AVR	Light Speed
216.0125	1A		1	1				C01	N01
216.0250	2A	41	41	41		1	1		
216.0375	3A		2	2					
216.0500	1B		3	21					
216.0750	2B	42	42	42		2	10		
216.0875	3B		4	4					
216.1125	1C		5	5				C06	
216.1250	2C	43	43	43	A	3	6		
216.1375	3C		6	22					
216.1625	1D		7	23					
216.1750	2D	44	44	44	B	4	14		
216.1875	3D		8	8					
216.2125	1E		9	9				C09	N09
216.2250	2E	45	45	45	C	5	2		
216.2375	3E		10	24					
216.2625	1F		11	25					
216.2750	2F	46	46	46	D	6	11		
216.2875	3F		12	12				C12	N12
216.3125	1G		13	13					
216.3250	2G	47	47	47	E	7	7		
216.3375	3G		14	26					
216.3625	1H		15	27					
216.3750	2H	48	48	48	F	8	15		
216.3875	3H		16	16				C18	N18
216.4125	1J		17	17				C21	
216.4250	2J	49	49	49	G	9	18		
216.4375	3J		18	18					
216.5125	1K		21	61					
216.5250	2K	51	51	29	H	10	3		
216.5375	3K		22	62					
216.5625	1L		23	28					
216.5750	2L	52	52	52	I	11	12		
216.5875	3L		24	64				C24	N64
216.6125	1M		25	65				C25	
216.6250	2M	53	53	53	J	12	8		
216.6375	3M		26	81					
216.6625	1N		27	82					
216.6750	2N	54	54	54	K	13	16		
216.6875	3N		28	68					
216.7125	1P		29	69				C29	
216.7250	2P	55	55	55	L	14	19		
216.7375	3P		30	83					
216.7625	1R		31	84					
216.7750	2R	56	56	56		15	4		
216.7875	3R		32	72				C32	N72
216.8125	1S		33	73				C33	
216.8250	2S	57	57	57			13		
216.8375	3S		34	76					
216.8625	1T		35	85					
216.8750	2T	58	58	58			9		
216.8875	3T		36	86					
216.9125	1U		37	77				C37	N77
216.9250	2U	59	59	59			17		
216.9375	3U		38	88					
216.9625	1V		39	79				C39	
216.9750	2V	60	60	60			5		
216.9875	3V		40	80				C40	N80

Wideband frequencies are indicated in highlighted rows. The highlighted channels also indicated those channels available in the "basic" mode (default). All channels can be accessed when in the "expanded" channel mode (see page 7 for more information).

2.1033 (b) (2) FCC/ISED Identifier

FCC ID: OMD800-004
IC: 4011A-LT800216

Figure 1 - Label



2.1033 (b) (3) Installation and Operating Instructions

Supplied separately.

2.1033 (b) (4) Brief Description of Circuit Function

The EUT is a an Assisted Listening Technology Device manufacturer by Listen Tech Corp which transmits sound over radio frequency directly to the listener's ear without amplifying ambient noise for crystal clear audio and unsurpassed

The EUT operates at a very low power level which does not interfere with United States Air Force Space Surveillance systems or interferes with any type of DTV or TV Broadcast on Channel 13.

The EUT is not used for two way voice communication.

95.2131 Permissible LPRS uses. (RSS-210 Issue 10 Annex C - C.2)

LPRS stations may be used to transmit voice, data, or tracking signals, as appropriate, to provide:

- (a) Auditory assistance communications (including, but not limited to, applications such as assistive listening devices, audio description for the blind, and simultaneous language translation) for:
 - (1) Individuals with disabilities;
 - (2) Individuals who require language translation; or
 - (3) Individuals who may otherwise benefit from auditory assistance communications in educational settings.

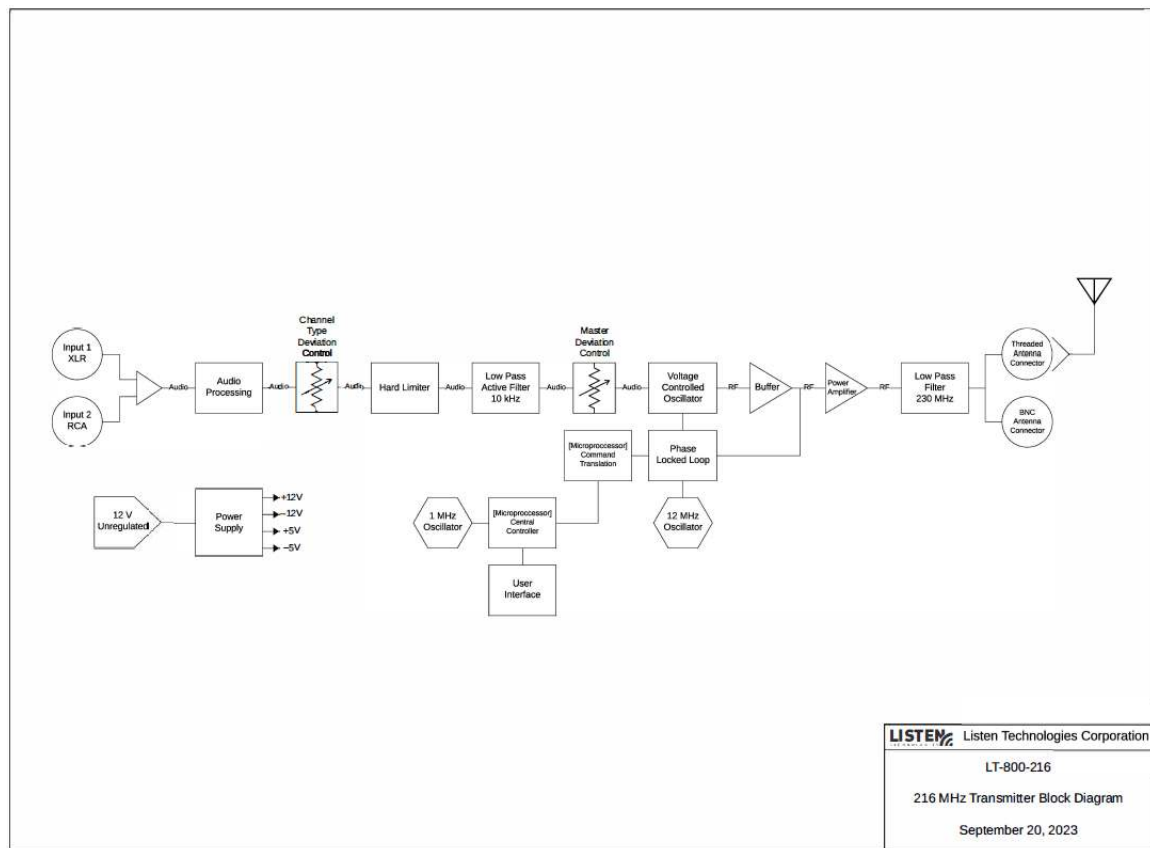
95.2125 LPRS interference. (RSS-210 Issue 10 Annex C - C.2)

Operation of LPRS stations must not cause harmful interference to the United States Air Force Space Surveillance system (operating in the 216.88-217.08 MHz frequency band) or to reception within the service contour of any type of DTV or TV Broadcast station operating on Channel 13.

95.2133 Prohibited LPRS uses. (RSS-210 Issue 10 Annex C - C.2)

LPRS stations must not be used for two-way voice communications.

2.1033 (b) (5) Block Diagram



2.1033 (b) (6) Report of Measurements

95.2141 LPRS antenna height and directivity requirements.
(RSS-210 Issue 10 Annex C - C.2)

The LPRS antenna is an integral part of the EUT. It also satisfies the requirements of FCC Part 15.203.

LPRS operators must ensure that their stations satisfy the antenna requirements in this section.

- (a) For LPRS units where the antenna is an integral part of the unit, and for LPRS stations operating entirely within an enclosed structure, e.g., a building, there is no limit on antenna height.
- (b) For all other LPRS units, the tip of the antenna must not exceed 30.5 meters (100 feet) above ground level. If harmful interference occurs, the FCC may require that the LPRS station antenna height be reduced.
- (c) Directional transmit antennas must be used for LPRS stations used with AMTS.
- (d) LPRS antennas must also meet the requirements in §95.317 regarding menaces to air navigation. See 47 CFR 95.317 and consult part 17 of the FCC's Rules for more information (47 CFR part 17).

15.203 Antenna requirement.

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §§15.211, 15.213, 15.217, 15.219, 15.221, or §15.236. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

Only the following antenna configurations can be used with the LT-800-216:

1. LA-102 Telescoping Top Mounted Antenna
2. LA-107 Ground Plane Antenna
3. LA-117 Coax Dipole (not shown in the manual)
4. LA-122 Universal Antenna kit
5. LA-124 90 degree Helical Antenna



95.2167 LPRS transmitting power.
(RSS-210 Issue 10 Annex C - C.2)

Each LPRS transmitter type not intended for use with an AMTS station must be designed to satisfy the transmitting power limits in paragraph (a) of this section. The licensee of each AMTS station is responsible for compliance with paragraph (b) of this section.

- (a) The ERP of an LPRS transmitter, other than an LPRS transmitter used with an AMTS station, must not exceed 100 mW.
- (b) The ERP of an LPRS transmitter used with an AMTS station must not exceed 1 Watt.

This subclause provides guidance for performing the power measurements necessary to demonstrate compliance to the RF output power limits imposed by regulatory authorities on transmitters. In addition, these procedures can also be utilized to collect the data necessary to demonstrate compliance to regulatory limits placed on unwanted (out-of-band and spurious) emissions.

5.2.7 Radiated power measurements

The output power and unwanted emissions regulatory limits that are typical for licensed devices presume antenna port conducted measurements are utilized when demonstrating compliance. However, it sometimes becomes necessary to measure these parameters in a radiated test set-up. This is often the case for many portable transmitting devices that utilize integral antennas, thus precluding access to an antenna port. Additionally, even when antenna-port conducted measurements can be performed, there is still a requirement to perform a radiated spurious emission test to detect and demonstrate that any case-leakage emissions from the EUT also comply with the applicable unwanted emissions limit. When radiated emissions measurements become necessary to demonstrate compliance, then the conditions specified in 5.5 shall be satisfied. The procedures provided herein for measuring RF output power and unwanted emission power can also be used in a radiated test configuration.

When performing radiated measurements, it is sometimes more convenient to perform a field strength measurement and then mathematically convert the measured field strength level to an equivalent power level for comparison to the applicable limit. Alternatively, power limit values can be mathematically converted to an equivalent field strength limit; however some regulatory agencies discourage this practice, preferring instead that the measured power levels be compared to the actual limit numerical values and units as shown in the applicable regulation. The following relationships can be used to facilitate using such radiated measurement data to demonstrate compliance to the relevant conducted output power limits:

- a) $E \text{ (dB}\mu\text{V/m)} = \text{Measured amplitude level (dB}\mu\text{V)} + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)} - \text{preamplifier (if used)}.$
- b) $E \text{ (dB}\mu\text{V/m)} = \text{Measured amplitude level (dBm)} + 107 + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}.$
- c) $E \text{ (dB}\mu\text{V/m)} = \text{EIRP (dBm)} - 20\log(D) + 104.8$; where D is the measurement distance (in the far field region) in m.
- d) $\text{EIRP (dBm)} = E \text{ (dB}\mu\text{V/m)} + 20\log(D) - 104.8$; where D is the measurement distance (in the far field region) in m.
- e) $\text{ERP (dBm)} = \text{EIRP (dBm)} - 2.15$

			1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436				Radiated Output Power								
DNB Job Number:			46009				Date:			2 Aug 2023		Specification [X] 95.2167 [X] RSS-210 Annex C [X] ANSI C63.26:2015			
Customer:			Listen Tech Corp												
Model Number:			LT-800-216												
Description:			Assisted Listening Technology Device												
			EUT Antenna = Coaxial Dipole Remote Antenna												
EUT is in conformance with FCC 95.2167							X	YES		NO	Signed		CL Payne III		
RADIATED POWER MEASUREMENT (ANSI C63-26:2015 clause 5.2.7)															
Freq	Meter	Preamp	Cable	Antenna	Corr'd	ERP	Power	Limit	Delta	Azimuth	Height	Polarity	Meas	Comments	
(MHz)	(dBuV)	(dB)	(dB)	(dB/m)	(dBuV/m)	(dBm)	(mW)	(mW)	(mW)	(deg)	(m)		Type		
216.0125	95.38		2.26	15.11	112.75	15.341	34.206	100.000	-65.794	104.79	2.22	Vert	QP	Std Band 1A - Vert Dipole	
216.5125	95.22		2.27	15.13	112.61	15.205	33.151	100.000	-66.849	106.88	2.01	Vert	QP	Std Band 1K - Vert Dipole	
216.9875	95.29		2.27	15.15	112.71	15.298	33.867	100.000	-66.133	111.30	2.08	Vert	QP	Std Band 3V - Vert Dipole	
216.0250	95.32		2.26	15.11	112.69	15.282	33.741	100.000	-66.259	91.76	2.23	Vert	QP	Xtra Band 2A - Vert Dipole	
216.5250	95.33		2.27	15.13	112.72	15.316	34.007	100.000	-65.993	97.34	2.03	Vert	QP	Xtra Band 2K - Vert Dipole	
216.9750	95.27		2.27	15.15	112.68	15.277	33.707	100.000	-66.293	110.37	2.22	Vert	QP	Xtra Band 2V - Vert Dipole	
216.0125	77.91		2.26	15.11	95.28	-2.129	0.612	100.000	-99.388	13.39	3.00	Horz	QP	Std Band 1A - Vert Dipole	
216.5125	77.86		2.27	15.13	95.25	-2.155	0.609	100.000	-99.391	24.55	2.91	Horz	QP	Std Band 1K - Vert Dipole	
216.9875	78.13		2.27	15.15	95.55	-1.862	0.651	100.000	-99.349	25.48	2.83	Horz	QP	Std Band 3V - Vert Dipole	
216.0250	77.24		2.26	15.11	94.61	-2.798	0.525	100.000	-99.475	29.44	2.88	Horz	QP	Xtra Band 2A - Vert Dipole	
216.5250	77.97		2.27	15.13	95.36	-2.044	0.625	100.000	-99.375	29.67	2.78	Horz	QP	Xtra Band 2K - Vert Dipole	
216.9750	77.55		2.27	15.15	94.96	-2.443	0.570	100.000	-99.430	30.60	2.99	Horz	QP	Xtra Band 2V - Vert Dipole	
216.0125	88.39		2.26	15.11	105.76	8.351	6.841	100.000	-93.159	244.55	1.73	Vert	QP	Std Band 1A - Horz Dipole	
216.5125	88.37		2.27	15.13	105.76	8.355	6.847	100.000	-93.153	246.41	1.87	Vert	QP	Std Band 1K - Horz Dipole	
216.9875	88.27		2.27	15.15	105.69	8.278	6.726	100.000	-93.274	237.34	1.90	Vert	QP	Std Band 3V - Horz Dipole	
216.0250	88.40		2.26	15.11	105.77	8.362	6.857	100.000	-93.143	239.20	2.02	Vert	QP	Xtra Band 2A - Horz Dipole	
216.5250	88.39		2.27	15.13	105.78	8.376	6.880	100.000	-93.120	247.11	1.88	Vert	QP	Xtra Band 2K - Horz Dipole	
216.9750	85.66		2.27	15.15	103.07	5.667	3.687	100.000	-96.313	226.88	1.00	Vert	QP	Xtra Band 2V - Horz Dipole	
216.0125	99.66		2.26	15.11	117.03	19.621	91.644	100.000	-8.356	10.13	1.36	Horz	QP	Std Band 1A - Horz Dipole	
216.5125	99.54		2.27	15.13	116.93	19.525	89.640	100.000	-10.360	8.97	1.27	Horz	QP	Std Band 1K - Horz Dipole	
216.9875	99.40		2.27	15.15	116.82	19.408	87.253	100.000	-12.747	11.53	1.20	Horz	QP	Std Band 3V - Horz Dipole	
216.0250	99.55		2.26	15.11	116.92	19.512	89.364	100.000	-10.636	27.31	1.29	Horz	QP	Xtra Band 2A - Horz Dipole	
216.5250	99.47		2.27	15.13	116.86	19.456	88.219	100.000	-11.781	15.72	1.23	Horz	QP	Xtra Band 2K - Horz Dipole	
216.9750	99.31		2.27	15.15	116.72	19.317	85.452	100.000	-14.548	14.76	1.26	Horz	QP	Xtra Band 2V - Horz Dipole	

				1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436				Radiated Output Power						
DNB Job Number:		46009				Date:		2 Aug 2023		Specification [X] 95.2167 [X] RSS-210 Annex C [X] ANSI C63.26:2015				
Customer:		Listen Tech Corp												
Model Number:		LT-800-216												
Description:		Assisted Listening Technology Device												
		EUT Antenna = Universal Antenna Kit - Monopole												
EUT is in conformance with FCC 95.2167						X	YES		NO	Signed		CL Payne III		
RADIATED POWER MEASUREMENT (ANSI C63-26:2015 clause 5.2.7)														
Freq	Meter	Preamp	Cable	Antenna	Corr'd	ERP	Power	Limit	Delta	Azimuth	Height	Polarity	Meas	Comments
(MHz)	(dBuV)	(dB)	(dB)	(dB/m)	(dBuV/m)	(dBm)	(mW)	(mW)	(mW)	(deg)	(m)		Type	
216.0125	96.87		2.26	15.11	114.24	16.86	48.56	100.000	-51.440	18.74	1.00	Vert	QP	Std Band 1A - Vert Fixture Monopole
216.5125	95.86		2.27	15.13	113.25	15.87	38.66	100.000	-61.340	2.23	1.00	Vert	QP	Std Band 1K - Vert Fixture Monopole
216.9875	94.84		2.27	15.15	112.26	14.88	30.78	100.000	-69.220	15.95	1.00	Vert	QP	Std Band 3V - Vert Fixture Monopole
216.0250	95.74		2.26	15.11	113.11	15.73	37.43	100.000	-62.570	15.25	1.00	Vert	QP	Xtra Band 2A - Vert Fixture Monopole
216.5250	95.91		2.27	15.13	113.31	15.93	39.20	100.000	-60.800	17.34	1.00	Vert	QP	Xtra Band 2K - Vert Fixture Monopole
216.9750	95.01		2.27	15.15	112.43	15.05	32.01	100.000	-67.990	27.81	1.00	Vert	QP	Xtra Band 2V - Vert Fixture Monopole
216.0125	86.99		2.26	15.11	104.36	6.951	4.956	100.000	-95.044	163.16	1.46	Horz	QP	Std Band 1A - Vert Fixture Monopole
216.5125	86.81		2.27	15.13	104.20	6.795	4.781	100.000	-95.219	157.34	1.56	Horz	QP	Std Band 1K - Vert Fixture Monopole
216.9875	86.53		2.27	15.15	103.95	6.538	4.506	100.000	-95.494	158.27	1.40	Horz	QP	Std Band 3V - Vert Fixture Monopole
216.0250	86.94		2.26	15.11	104.31	6.902	4.900	100.000	-95.100	143.62	1.56	Horz	QP	Xtra Band 2A - Vert Fixture Monopole
216.5250	86.78		2.27	15.13	104.17	6.766	4.749	100.000	-95.251	165.25	1.40	Horz	QP	Xtra Band 2K - Vert Fixture Monopole
216.9750	85.33		2.27	15.15	102.74	5.337	3.418	100.000	-96.582	142.69	2.26	Horz	QP	Xtra Band 2V - Vert Fixture Monopole

			1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436				Radiated Output Power								
DNB Job Number:			46009				Date:		2 Aug 2023		Specification [X] 95.2167 [X] RSS-210 Annex C [X] ANSI C63.26:2015				
Customer:			Listen Tech Corp												
Model Number:			LT-800-216												
Description:			Assisted Listening Technology Device												
			EUT Antenna = Ground Plane Remote Antenna												
EUT is in conformance with FCC 95.2167							X	YES		NO	Signed		CL Payne III		
RADIATED POWER MEASUREMENT (ANSI C63-26:2015 clause 5.2.7)															
Freq	Meter	Preamp	Cable	Antenna	Corr'd	ERP	Power	Limit	Delta	Azimuth	Height	Polarity	Meas	Comments	
(MHz)	(dBuV)	(dB)	(dB)	(dB/m)	(dBuV/m)	(dBm)	(mW)	(mW)	(mW)	(deg)	(m)		Type		
216.0125	93.15		2.26	15.11	110.52	13.111	20.469	100.000	-79.531	101.06	1.97	Vert	QP	Std Band 1A - Vert Gnd Pln Ant	
216.5125	93.27		2.27	15.13	110.66	13.255	21.159	100.000	-78.841	102.00	2.16	Vert	QP	Std Band 1K - Vert Gnd Pln Ant	
216.9875	93.39		2.27	15.15	110.81	13.398	21.867	100.000	-78.133	91.76	1.97	Vert	QP	Std Band 3V - Vert Gnd Pln Ant	
216.0250	93.21		2.26	15.11	110.58	13.172	20.757	100.000	-79.243	114.50	2.14	Vert	QP	Xtra Band 2A - Vert Gnd Pln	
216.5250	93.08		2.27	15.13	110.47	13.066	20.256	100.000	-79.744	86.88	2.26	Vert	QP	Xtra Band 2K - Vert Gnd Pln	
216.9750	93.36		2.27	15.15	110.77	13.367	21.713	100.000	-78.287	104.32	2.00	Vert	QP	Xtra Band 2V - Vert Gnd Pln	
216.0125	79.01		2.26	15.11	96.38	-1.029	0.789	100.000	-99.211	106.88	1.62	Horz	QP	Std Band 1A - Vert Gnd Pln Ant	
216.5125	79.33		2.27	15.13	96.72	-0.685	0.854	100.000	-99.146	108.74	1.59	Horz	QP	Std Band 1K - Vert Gnd Pln Ant	
216.9875	79.53		2.27	15.15	96.95	-0.462	0.899	100.000	-99.101	104.32	1.58	Horz	QP	Std Band 3V - Vert Gnd Pln Ant	
216.0250	79.12		2.26	15.11	96.49	-0.918	0.809	100.000	-99.191	112.46	1.61	Horz	QP	Xtra Band 2A - Vert Gnd Pln	
216.5250	79.34		2.27	15.13	96.73	-0.674	0.856	100.000	-99.144	110.37	1.53	Horz	QP	Xtra Band 2K - Vert Gnd Pln	
216.9750	79.53		2.27	15.15	96.94	-0.463	0.899	100.000	-99.101	114.79	1.61	Horz	QP	Xtra Band 2V - Vert Gnd Pln	

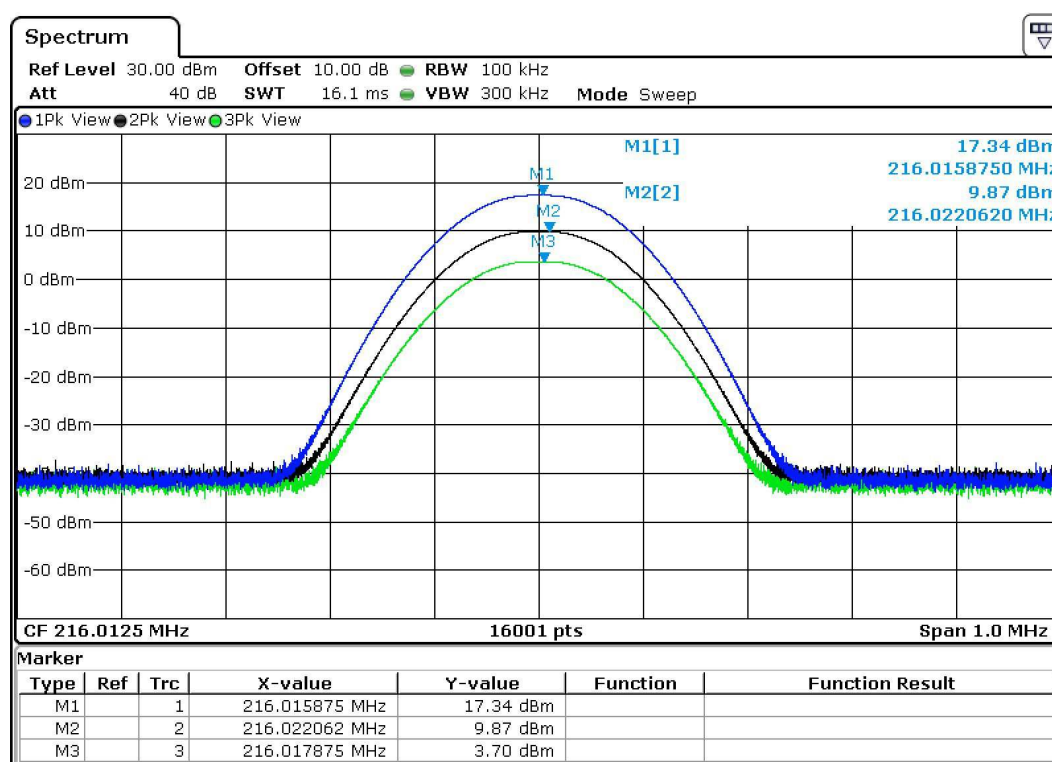
		1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		Radiated Output Power										
DNB Job Number:		46009		Date:		2 Aug 2023		Specification [X] 95.2167 [X] RSS-210 Annex C [X] ANSI C63.26:2015						
Customer:		Listen Tech Corp												
Model Number:		LT-800-216												
Description:		Assisted Listening Technology Device												
		EUT Antenna = Telescoping Top Mounted Antenna												
EUT is in conformance with FCC 95.2167				X	YES		NO	Signed		CL Payne III				
RADIATED POWER MEASUREMENT (ANSI C63-26:2015 clause 5.2.7)														
Freq	Meter	Preamp	Cable	Antenna	Corr'd	ERP	Power	Limit	Delta	Azimuth	Height	Polarity	Meas	Comments
(MHz)	(dBuV)	(dB)	(dB)	(dB/m)	(dBuV/m)	(dBm)	(mW)	(mW)	(mW)	(deg)	(m)		Type	
216.0125	99.36		2.26	15.11	116.73	19.35	86.154	100.000	-13.846	141.53	1.00	Vert	QP	Std Band 1A - Vert EUT Monopole
216.5125	98.10		2.27	15.13	115.49	18.11	64.756	100.000	-35.244	145.02	1.00	Vert	QP	Std Band 1K - Vert EUT Monopole
216.9875	98.14		2.27	15.15	115.55	18.17	65.656	100.000	-34.344	133.16	1.00	Vert	QP	Std Band 3V - Vert EUT Monopole
216.0250	98.79		2.26	15.11	116.16	18.78	75.557	100.000	-24.443	144.32	1.00	Vert	QP	Xtra Band 2A - Vert EUT Monopole
216.5250	98.22		2.27	15.13	115.62	18.24	66.723	100.000	-33.277	146.65	1.00	Vert	QP	Xtra Band 2K - Vert EUT Monopole
216.9750	97.83		2.27	15.15	115.24	17.86	61.133	100.000	-38.867	132.00	1.00	Vert	QP	Xtra Band 2V - Vert EUT Monopole
216.0125	91.22		2.26	15.11	108.59	11.181	13.125	100.000	-86.875	271.06	1.26	Horz	QP	Std Band 1A - Vert EUT Monopole
216.5125	91.03		2.27	15.13	108.42	11.015	12.633	100.000	-87.367	260.37	1.27	Horz	QP	Std Band 1K - Vert EUT Monopole
216.9875	91.00		2.27	15.15	108.42	11.008	12.612	100.000	-87.388	256.18	1.21	Horz	QP	Std Band 3V - Vert EUT Monopole
216.0250	91.20		2.26	15.11	108.57	11.162	13.067	100.000	-86.933	267.81	1.39	Horz	QP	Xtra Band 2A - Vert EUT Monopole
216.5250	91.07		2.27	15.13	108.46	11.056	12.752	100.000	-87.248	260.83	1.30	Horz	QP	Xtra Band 2K - Vert EUT Monopole
216.9750	90.95		2.27	15.15	108.36	10.957	12.466	100.000	-87.534	264.09	1.34	Horz	QP	Xtra Band 2V - Vert EUT Monopole

		1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		Radiated Output Power										
DNB Job Number:		46009		Date:		2 Aug 2023		Specification [X] 95.2167 [X] RSS-210 Annex C [X] ANSI C63.26:2015						
Customer:		Listen Tech Corp												
Model Number:		LT-800-216												
Description:		Assisted Listening Technology Device												
		EUT Antenna = 90 Degree Helical Antenna												
EUT is in conformance with FCC 95.2167				X	YES		NO	Signed		CL Payne III				
RADIATED POWER MEASUREMENT (ANSI C63-26:2015 clause 5.2.7)														
Freq	Meter	Preamp	Cable	Antenna	Corr'd	ERP	Power	Limit	Delta	Azimuth	Height	Polarity	Meas	Comments
(MHz)	(dBuV)	(dB)	(dB)	(dB/m)	(dBuV/m)	(dBm)	(mW)	(mW)	(mW)	(deg)	(m)		Type	
216.0125	87.67		2.26	15.11	105.04	7.631	5.796	100.000	-94.204	324.55	1.88	Vert	QP	Std Band 1A - Vert Helical
216.5125	87.72		2.27	15.13	105.11	7.705	5.895	100.000	-94.105	320.60	2.08	Vert	QP	Std Band 1K - Vert Helical
216.9875	87.60		2.27	15.15	105.02	7.608	5.765	100.000	-94.235	325.02	2.05	Vert	QP	Std Band 3V - Vert Helical
216.0250	87.53		2.26	15.11	104.90	7.492	5.613	100.000	-94.387	324.55	2.11	Vert	QP	Xtra Band 2A - Vert Helical
216.5250	87.69		2.27	15.13	105.08	7.676	5.855	100.000	-94.145	305.25	2.11	Vert	QP	Xtra Band 2K - Vert Helical
216.9750	87.87		2.27	15.15	105.28	7.877	6.134	100.000	-93.866	308.97	2.17	Vert	QP	Xtra Band 2V - Vert Helical
216.0125	97.48		2.26	15.11	114.85	17.441	55.476	100.000	-44.524	247.11	1.43	Horz	QP	Std Band 1A - Vert Helical
216.5125	97.53		2.27	15.13	114.92	17.515	56.429	100.000	-43.571	254.55	1.50	Horz	QP	Std Band 1K - Vert Helical
216.9875	97.68		2.27	15.15	115.10	17.688	58.720	100.000	-41.280	245.25	1.39	Horz	QP	Std Band 3V - Vert Helical
216.0250	97.54		2.26	15.11	114.91	17.502	56.255	100.000	-43.745	240.37	1.42	Horz	QP	Xtra Band 2A - Vert Helical
216.5250	97.52		2.27	15.13	114.91	17.506	56.307	100.000	-43.693	243.39	1.25	Horz	QP	Xtra Band 2K - Vert Helical
216.9750	97.60		2.27	15.15	115.01	17.607	57.640	100.000	-42.360	252.46	1.38	Horz	QP	Xtra Band 2V - Vert Helical

		1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		Conducted Output Power	
DNB Job Number:		46009		Date: 2 Aug 2023	
Customer:		Listen Tech Corp			
Model Number:		LT-800-216			
Description:		Assisted Listening Technology Device			
		Standard Band - Low Channel			
EUT is in conformance with FCC 95.2167		X	YES	NO	Signed
					Specification [X] 95.2167 [X] RSS-210 Annex C [X] ANSI C63.26:2015
CL Payne III					

Note: EUT has a Power Out Selection switch that can be set to Full, Half, or Quarter power.
Blue Trace is Maximum Power
Black Trace is Half Power
Green Trace is Quarter power

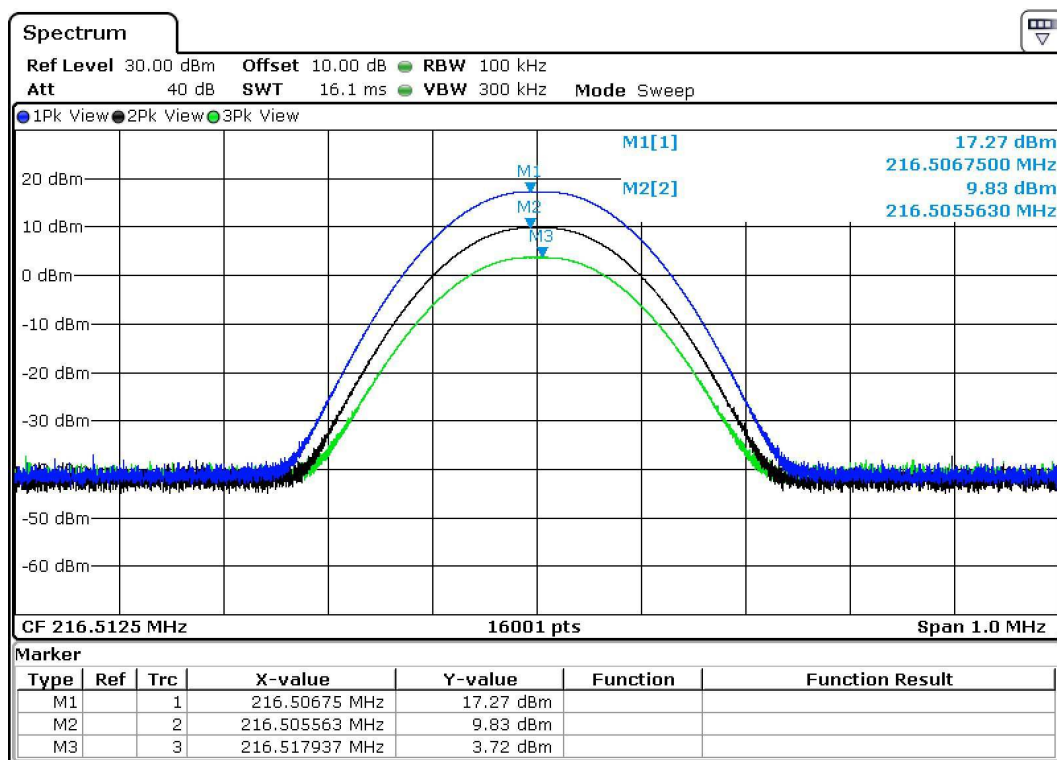
Measured (dBm)	Limit (dBm)	Delta (dB)	Calculated (mW)	Limit (mW)	Delta (mW)
17.34	20.00	-2.66	54.2	100	-45.8



		1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		Conducted Output Power			
DNB Job Number:		46009		Date:		2 Aug 2023	
Customer:		Listen Tech Corp					
Model Number:		LT-800-216					
Description:		Assisted Listening Technology Device					
		Standard Band - Middle Channel					
EUT is in conformance with FCC 95.2167				X	YES	NO	Signed
							Specification [X] 95.2167 [X] RSS-210 Annex C [X] ANSI C63.26:2015
							CL Payne III

Note: EUT has a Power Out Selection switch that can be set to Full, Half, or Quarter power.
 Blue Trace is Maximum Power
 Black Trace is Half Power
 Green Trace is Quarter power

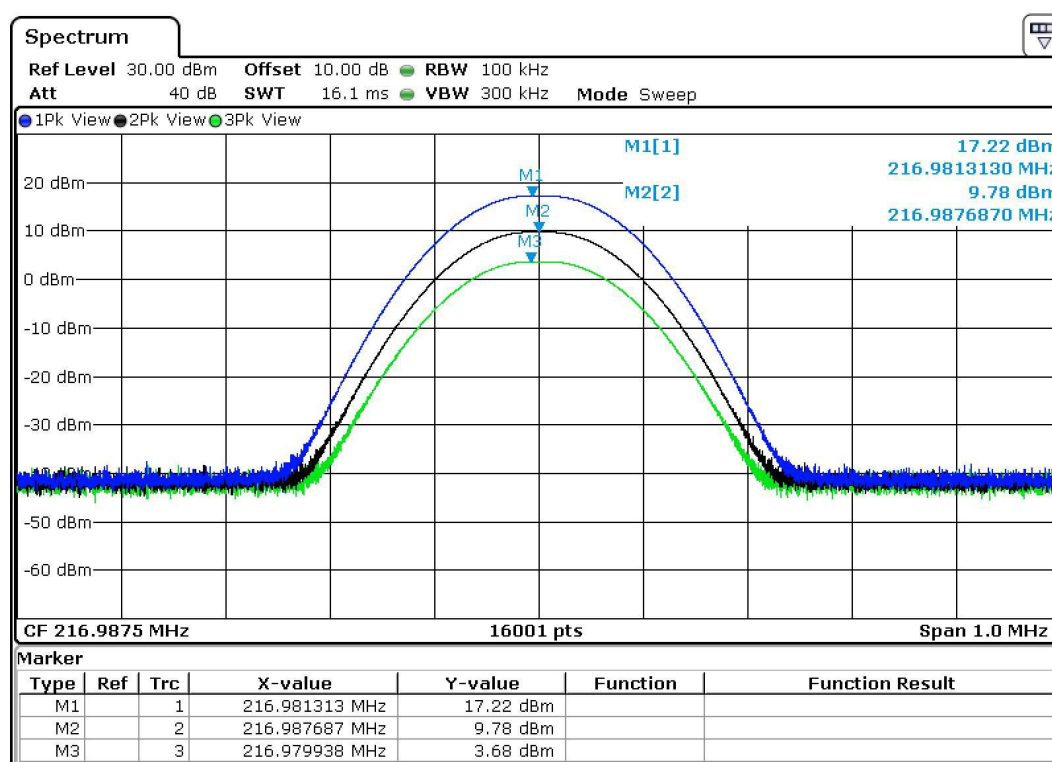
Measured (dBm)	Limit (dBm)	Delta (dB)	Calculated (mW)	Limit (mW)	Delta (mW)
17.27	20.00	-2.73	53.33	100	-46.67



		1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		Conducted Output Power	
DNB Job Number:		46009		Date: 2 Aug 2023	
Customer:		Listen Tech Corp			
Model Number:		LT-800-216			
Description:		Assisted Listening Technology Device			
		Standard Band - High Channel			
EUT is in conformance with FCC 95.2167		X	YES	NO	Signed
					Specification [X] 95.2167 [X] RSS-210 Annex C [X] ANSI C63.26:2015
<i>CL Payne III</i>					

Note: EUT has a Power Out Selection switch that can be set to Full, Half, or Quarter power.
 Blue Trace is Maximum Power
 Black Trace is Half Power
 Green Trace is Quarter power

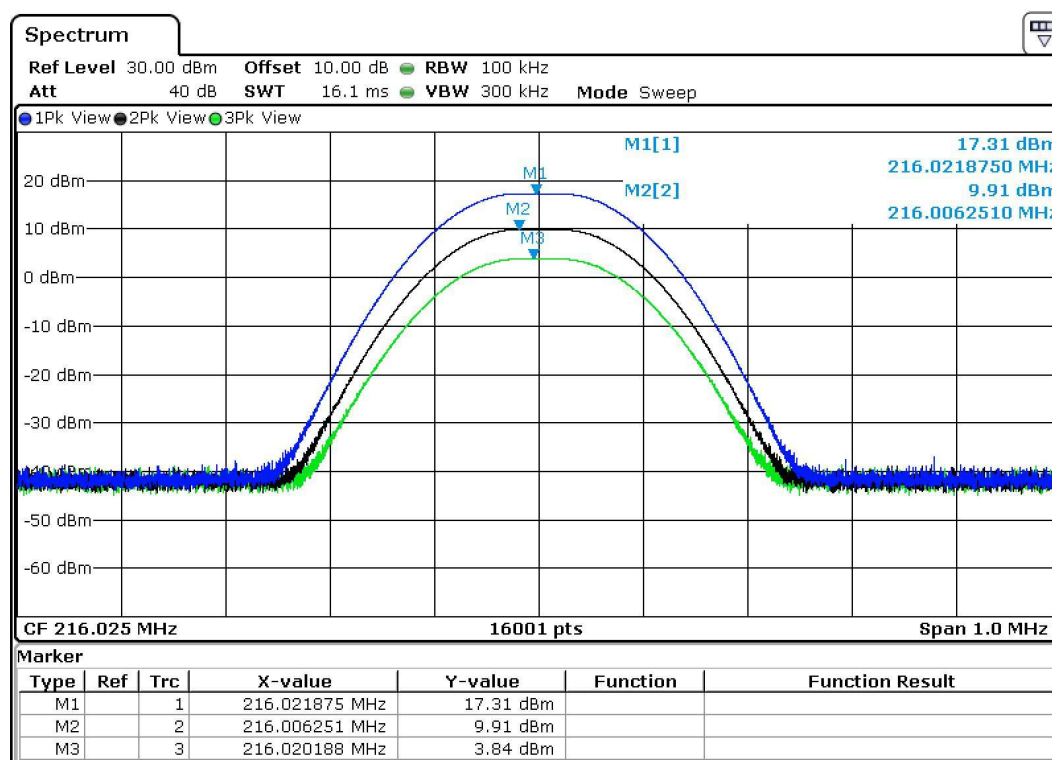
Measured (dBm)	Limit (dBm)	Delta (dB)	Calculated (mW)	Limit (mW)	Delta (mW)
17.22	20.00	-2.78	52.72	100	-47.28



		1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		Conducted Output Power				
DNB Job Number:		46009		Date: 2 Aug 2023		Specification [X] 95.2167 [X] RSS-210 Annex C [X] ANSI C63.26:2015		
Customer:		Listen Tech Corp						
Model Number:		LT-800-216						
Description:		Assisted Listening Technology Device						
		Extra Band - Low Channel						
EUT is in conformance with FCC 95.2167				X	YES	NO	Signed	CL Payne III

Note: EUT has a Power Out Selection switch that can be set to Full, Half, or Quarter power.
Blue Trace is Maximum Power
Black Trace is Half Power
Green Trace is Quarter power

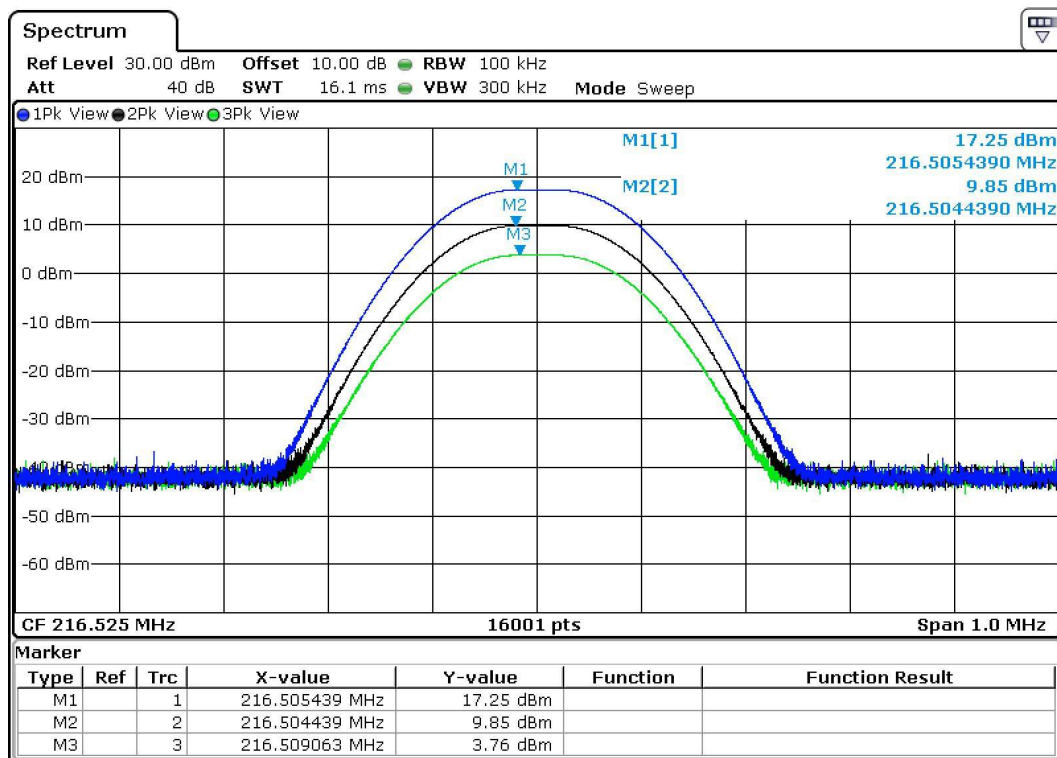
Measured (dBm)	Limit (dBm)	Delta (dB)	Calculated (mW)	Limit (mW)	Delta (mW)
17.31	20.00	-2.69	53.83	100	-46.17



	1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		Conducted Output Power			
DNB Job Number:	46009	Date:	2 Aug 2023		Specification [X] 95.2167 [X] RSS-210 Annex C [X] ANSI C63.26:2015	
Customer:	Listen Tech Corp					
Model Number:	LT-800-216					
Description:	Assisted Listening Technology Device					
	Extra Band - Middle Channel					
EUT is in conformance with FCC 95.2167		X	YES	NO	Signed	CL Payne III

Note: EUT has a Power Out Selection switch that can be set to Full, Half, or Quarter power.
Blue Trace is Maximum Power
Black Trace is Half Power
Green Trace is Quarter power

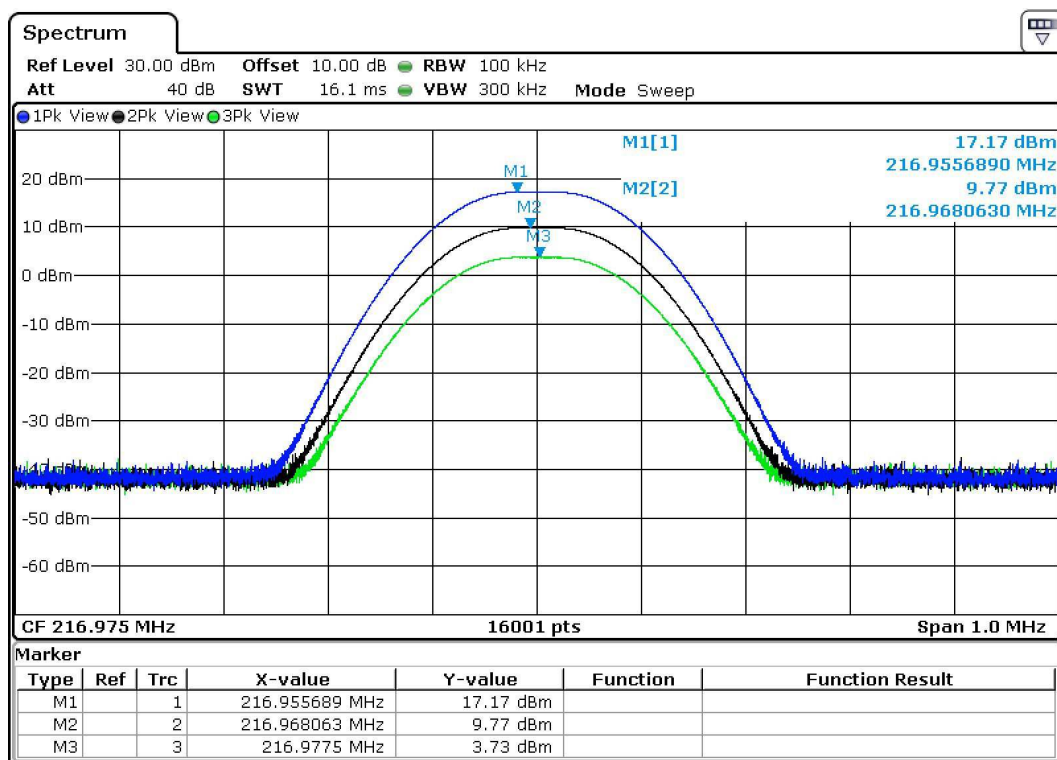
Measured (dBm)	Limit (dBm)	Delta (dB)	Calculated (mW)	Limit (mW)	Delta (mW)
17.25	20.00	-2.75	53.09	100	-46.91



		1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		Conducted Output Power			
DNB Job Number:	46009	Date:	2 Aug 2023	Specification [X] 95.2167 [X] RSS-210 Annex C [X] ANSI C63.26:2015			
Customer:	Listen Tech Corp						
Model Number:	LT-800-216						
Description:	Assisted Listening Technology Device Extra Band - High Channel						
EUT is in conformance with FCC 95.2167		X	YES		NO	Signed	CL Payne III

Note: EUT has a Power Out Selection switch that can be set to Full, Half, or Quarter power.
 Blue Trace is Maximum Power
 Black Trace is Half Power
 Green Trace is Quarter power

Measured (dBm)	Limit (dBm)	Delta (dB)	Calculated (mW)	Limit (mW)	Delta (mW)
17.17	20.00	-2.83	52.12	100	-47.88



The following procedures shall be used for measuring the OBW of the fundamental frequencies of certain transmitters, when required.

5.4.1 General OBW requirements

A spectrum analyzer or other instrument providing a spectral display is recommended for these measurements. The VBW shall be set to a value at least three times greater than the resolution/measurement bandwidth, to avoid the introduction of amplitude smoothing. Video filtering or averaging shall not be used when performing OBW tests.

5.4.3 Occupied bandwidth—Relative measurement procedure

The OBW is measured as the width of the spectral envelope of the modulated signal, at an amplitude level reduced from a reference value by a specified ratio (or in decibels, a specified number of dB down from the reference value). The typical ratio for transmitters is ≈ 26 dB, corresponding to the 26 dB BW; however, other ratios can be specified. In this subclause, the ratio is designated by “ $\approx X$ dB.”

The reference level is either the amplitude of the unmodulated carrier, or the highest amplitude of the spectral envelope of the modulated signal, as stated by the applicable requirement. Some requirements can specify a particular maximum or minimum value for the “ $\approx X$ dB” bandwidth; other requirements can specify that the “ $\approx X$ dB” bandwidth be entirely contained within the authorized or designated frequency band.

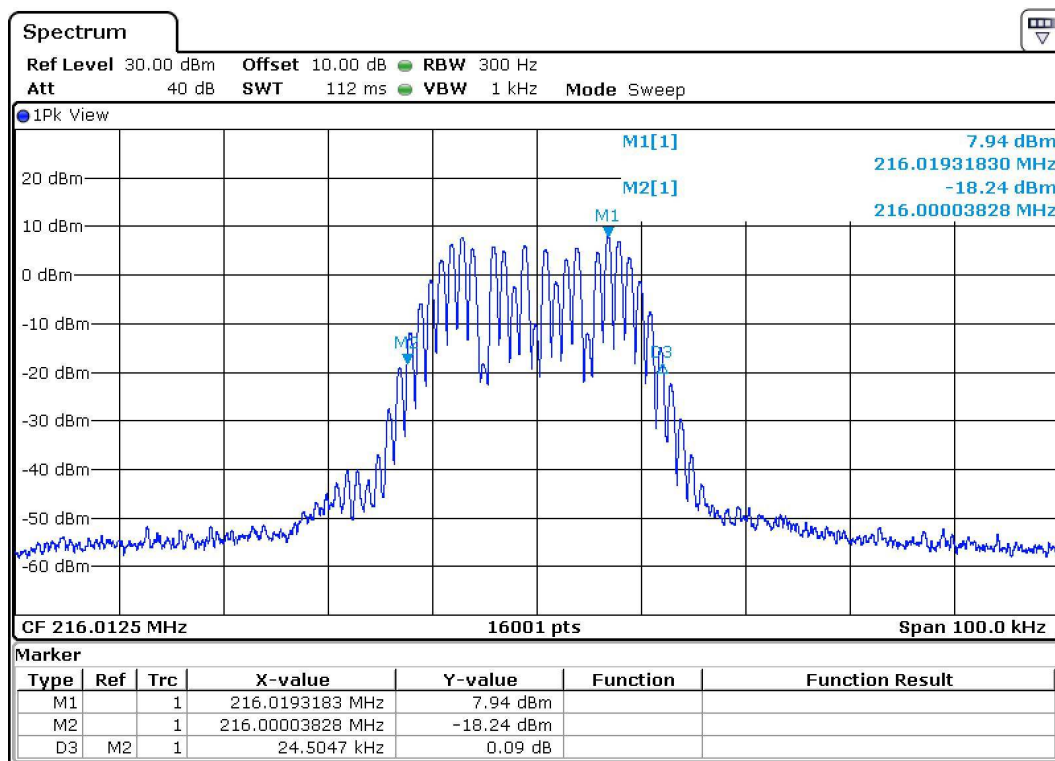
- a) The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the spectrum analyzer shall be wide enough to see sufficient roll off of the signal to make the measurement.
- b) The nominal RBW shall be in the range of 1% to 5% of the anticipated OBW, and the VBW shall be set $\approx 3 \times$ RBW.
- c) Set the reference level of the instrument as required to prevent the signal amplitude from exceeding the maximum spectrum analyzer input mixer level for linear operation. See guidance provided in 4.2.3.
- d) The dynamic range of the spectrum analyzer at the selected RBW shall be more than 10 dB below the target “ $\approx X$ dB” requirement, i.e., if the requirement calls for measuring the ≈ 26 dB OBW, the spectrum analyzer noise floor at the selected RBW shall be at least 36 dB below the reference level.
- e) Set spectrum analyzer detection mode to peak, and the trace mode to max hold.
- f) Determine the reference value by either of the following:

- 1) Set the EUT to transmit a modulated signal. Allow the trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace (this is the reference value).
 - 2) Set the EUT to transmit an unmodulated carrier. Set the spectrum analyzer marker to the level of the carrier.
- g) Determine the “..X dB amplitude” as equal to (Reference Value .. X). Alternatively, this calculation can be performed on the spectrum analyzer using the delta-marker measurement function.
- h) If the reference value was determined using an unmodulated carrier, turn the EUT modulation on, then either clear the existing trace or start a new trace on the spectrum analyzer and allow the new trace to stabilize. Otherwise the trace from step f) shall be used for step i).
- i) Place two markers, one at the lowest and the other at the highest frequency of the envelope of the spectral display such that each marker is at or slightly below the “..X dB amplitude” determined in step f). If a marker is below this “..X dB amplitude” value it should be as close as possible to this value. The OBW is the positive frequency difference between the two markers. The spectral envelope can cross the “..X dB amplitude” at multiple points. The lowest or highest frequency shall be selected as the frequencies that are the farthest away from the center frequency at which the spectral envelope crosses the “..X dB amplitude.”
- j) The OBW shall be reported by providing plot(s) of the measuring instrument display, to include markers depicting the relevant frequency and amplitude information (e.g., marker table). The frequency and amplitude axis and scale shall be clearly labeled. Tabular data may be reported in addition to the plot(s).

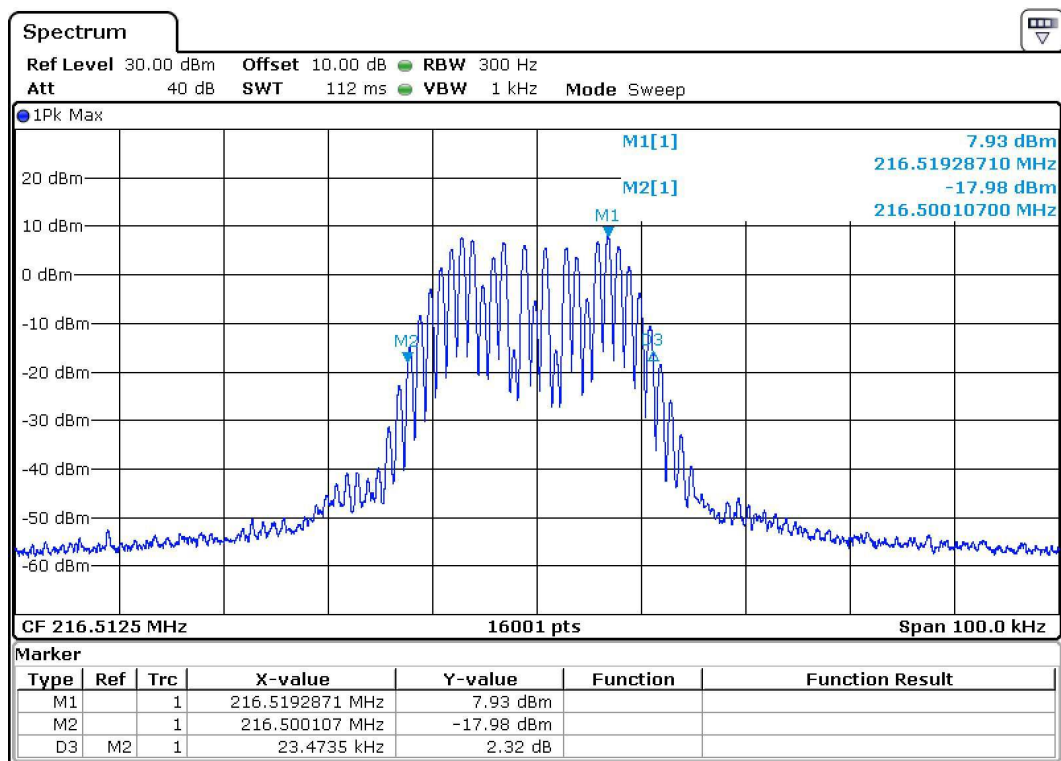
1100 E Chalk Creek Road
Coalville, UT 84017
(435) 336-4433
FAX (435) 336-4436

OBW - Relative - 26dB

DNB Job Number:	46009	Date: 2 Aug 2023			Specification [X] 95.2173 [X] RSS-210 Annex C [X] ANSI C63.26-2015 III
Customer:	Listen Tech Corp				
Model Number:	LT-800-216				
Description:	Assisted Listening Technology Device Standard Band - Low Channel				
EUT is in conformance with FCC 95.2173		X	YES	NO	Signed



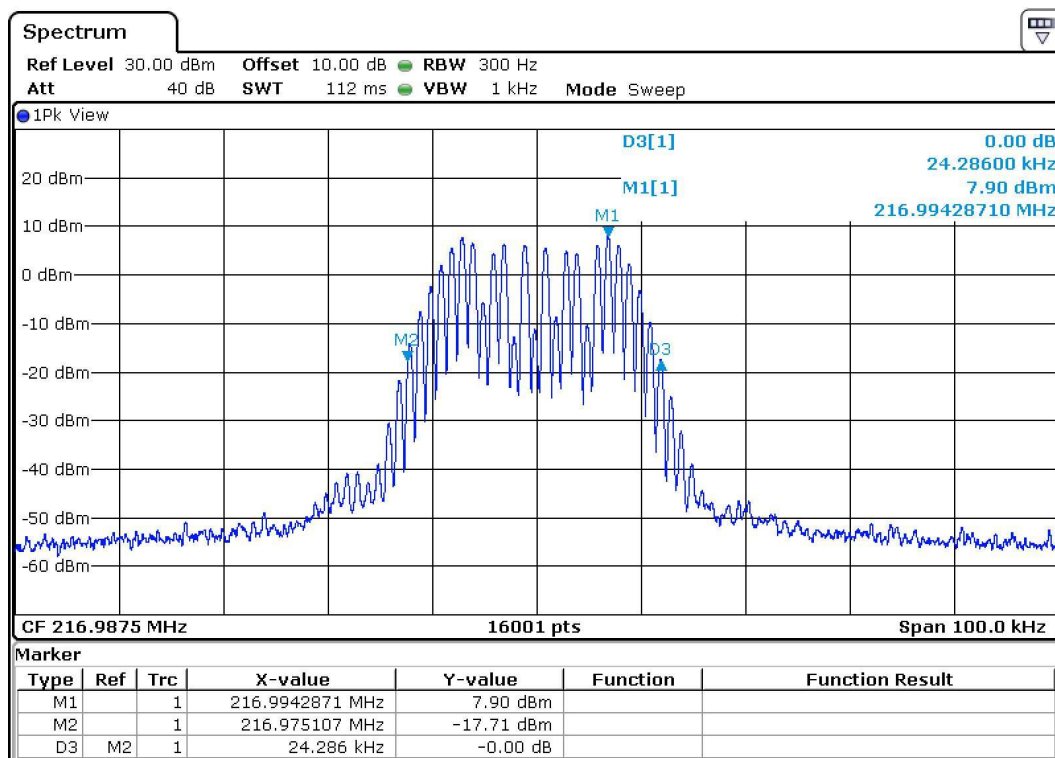
		1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		OBW - Relative - 26dB			
DNB Job Number:		46009		Date:		2 Aug 2023	
Customer:		Listen Tech Corp					
Model Number:		LT-800-216					
Description:		Assisted Listening Technology Device					
		Standard Band - Middle Channel					
EUT is in conformance with FCC 95.2173		X	YES		NO	Signed	Specification [X] 95.2173 [X] RSS-210 Annex C [X] ANSI C63.26-2015 C63.26-2015 III



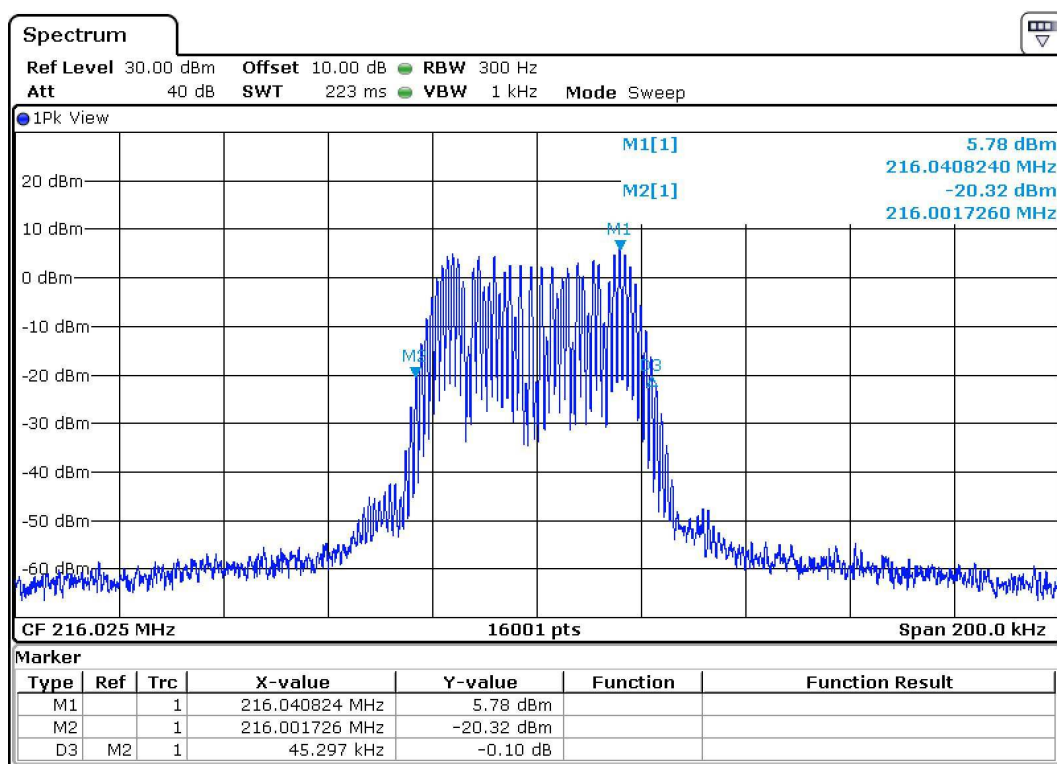
1100 E Chalk Creek Road
Coalville, UT 84017
(435) 336-4433
FAX (435) 336-4436

OBW - Relative - 26dB

DNB Job Number:	46009	Date: 2 Aug 2023				Specification [X] 95.2173 [X] RSS-210 Annex C [X] ANSI C63.26-2015 III
Customer:	Listen Tech Corp					
Model Number:	LT-800-216					
Description:	Assisted Listening Technology Device Standard Band - High Channel					
EUT is in conformance with FCC 95.2173		X	YES		NO	Signed



		1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		OBW - Relative - 26dB			
DNB Job Number:		46009		Date:		2 Aug 2023	
Customer:		Listen Tech Corp					
Model Number:		LT-800-216					
Description:		Assisted Listening Technology Device					
		Xtra Band - Low Channel					
EUT is in conformance with FCC 95.2173		X	YES		NO	Signed	Specification [X] 95.2173 [X] RSS-210 Annex C [X] ANSI C63.26-2015

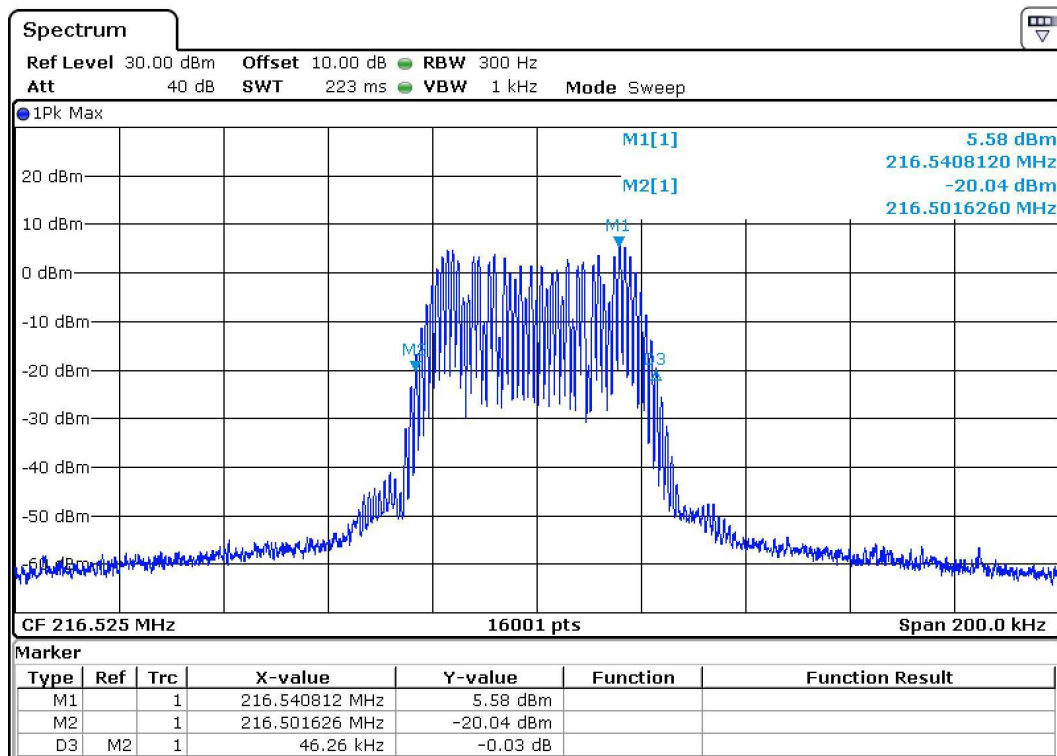




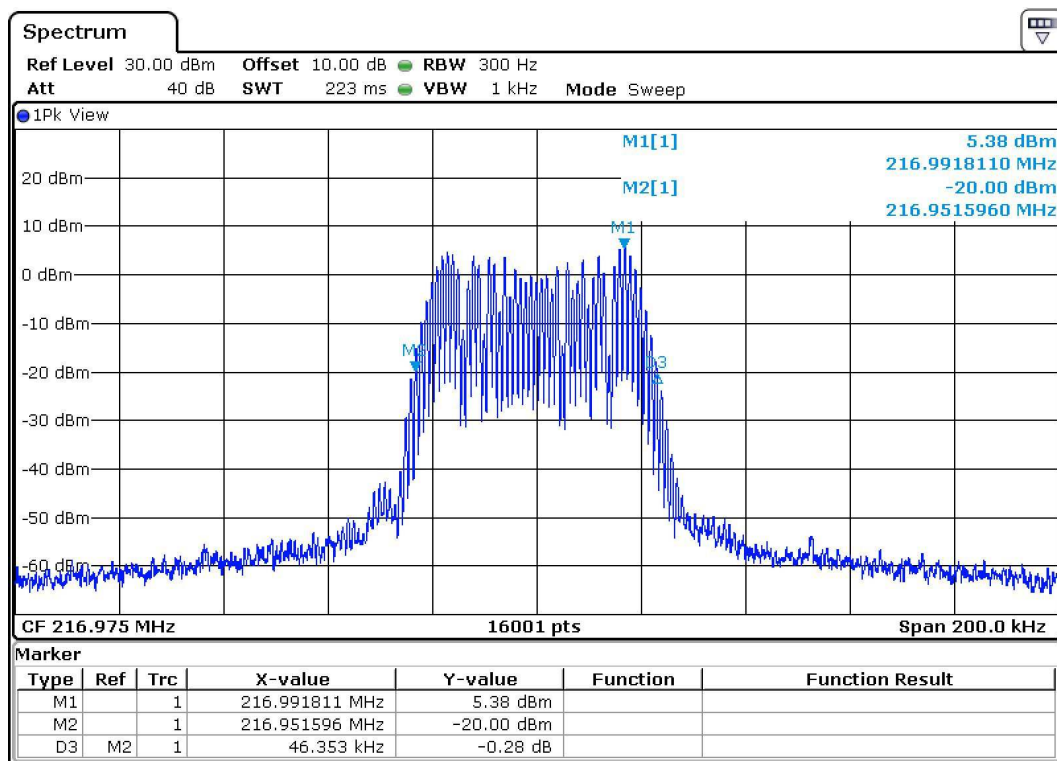
1100 E Chalk Creek Road
Coalville, UT 84017
(435) 336-4433
FAX (435) 336-4436

OBW - Relative - 26dB

DNB Job Number:	46009	Date:	2 Aug 2023	Specification
Customer:	Listen Tech Corp			[X] 95.2173
Model Number:	LT-800-216			[X] RSS-210 Annex C
Description:	Assisted Listening Technology Device			[X] ANSI
	Xtra Band - Middle Channel			
EUT is in conformance with FCC 95.2173	X	YES	NO	Signed
				C6326-2015 III



		1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		OBW - Relative - 26dB			
DNB Job Number:		46009		Date:		2 Aug 2023	
Customer:		Listen Tech Corp					
Model Number:		LT-800-216					
Description:		Assisted Listening Technology Device					
		Xtra Band - High Channel					
EUT is in conformance with FCC 95.2173		X	YES		NO	Signed	Specification [X] 95.2173 [X] RSS-210 Annex C [X] ANSI C63.26-2015 C63.26-2015 III



The OBW is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5% of the total mean power of the given emission.

The following procedure shall be used for measuring (99%) power bandwidth:31

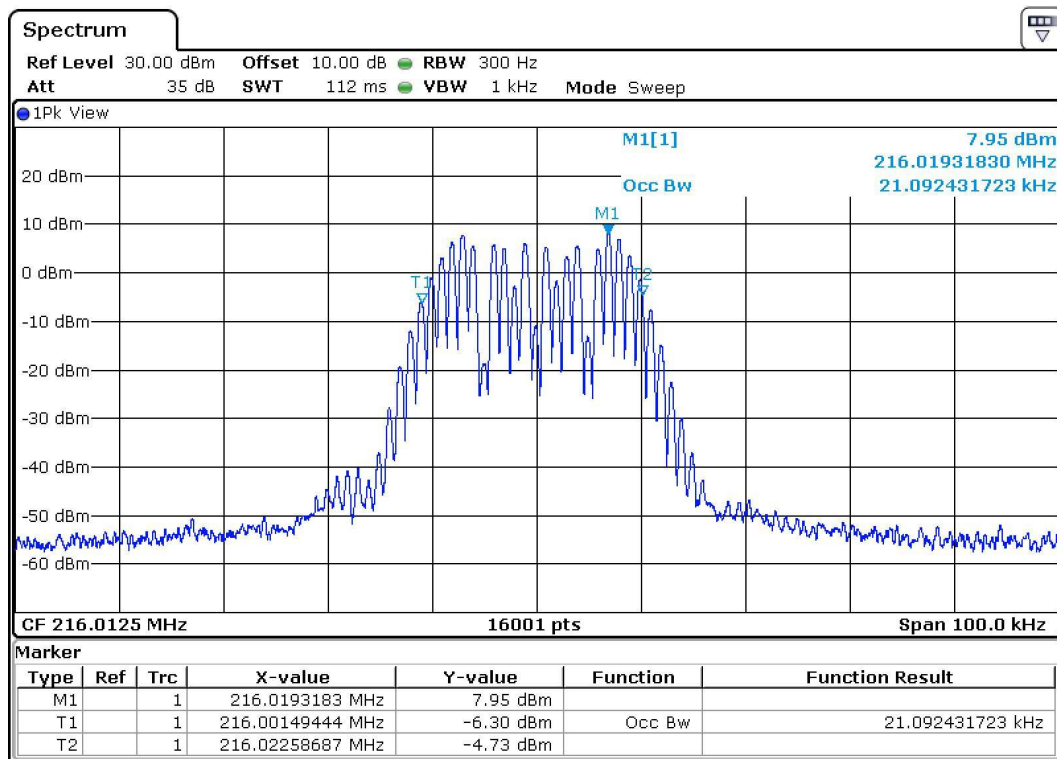
- a) The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be set wide enough to capture all modulation products including the emission skirts (typically a span of $1.5 \times \text{OBW}$ is sufficient).
- b) The nominal IF filter 3 dB bandwidth (RBW) shall be in the range of 1% to 5% of the anticipated OBW, and the VBW shall be set $\geq 3 \times \text{RBW}$.
- c) Set the reference level of the instrument as required to prevent the signal amplitude from exceeding the maximum spectrum analyzer input mixer level for linear operation. See guidance provided in 4.2.3.
- d) Set the detection mode to peak, and the trace mode to max-hold.
- e) If the instrument does not have a 99% OBW function, recover the trace data points and sum directly in linear power terms. Place the recovered amplitude data points, beginning at the lowest frequency, in a running sum until 0.5% of the total is reached. Record that frequency as the lower OBW frequency. Repeat the process until 99.5% of the total is reached and record that frequency as the upper OBW frequency. The 99% power OBW can be determined by computing the difference these two frequencies.
- f) The OBW shall be reported and plot(s) of the measuring instrument display shall be provided with the test report. The frequency and amplitude axis and scale shall be clearly labeled. Tabular data can be reported in addition to the plot(s).



1100 E Chalk Creek Road
Coalville, UT 84017
(435) 336-4433
FAX (435) 336-4436

OBW - 99%

DNB Job Number:	46009	Date: 2 Aug 2023				Specification [X] 95.2173 [X] RSS-210 Annex C [X] ANSI
Customer:	Listen Tech Corp					
Model Number:	LT-800-216					
Description:	Assisted Listening Technology Device Standard Band - Low Channel					
EUT is in conformance with FCC 95.2173		X	YES	NO	Signed	C6326-2015 III

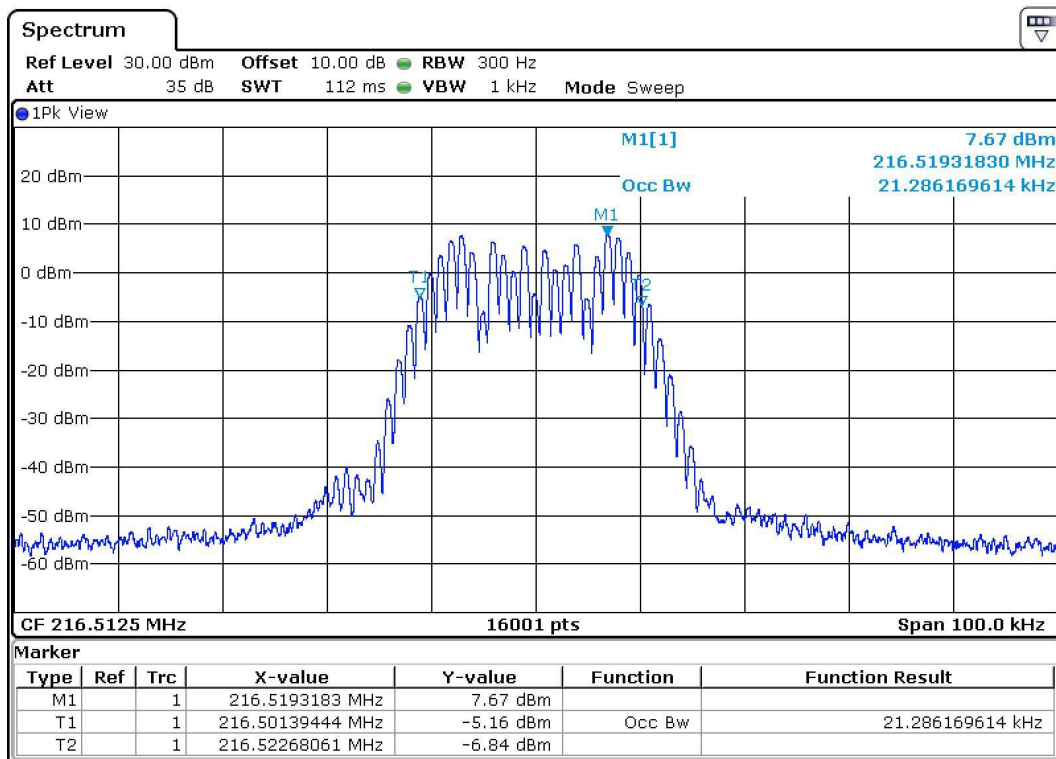




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(435) 336-4433
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OBW - 99%

DNR Job Number:	46009	Date:	2 Aug 2023	Specification
Customer:	Listen Tech Corp	[X] 95.2173 [X] RSS-210 Annex C [X] ANSI		
Model Number:	LT-800-216			
Description:	Assisted Listening Technology Device			
	Standard Band - Middle Channel			
EUT is in conformance with FCC 95.2173		X	YE	NO Signed
		C63.26 Part 11		

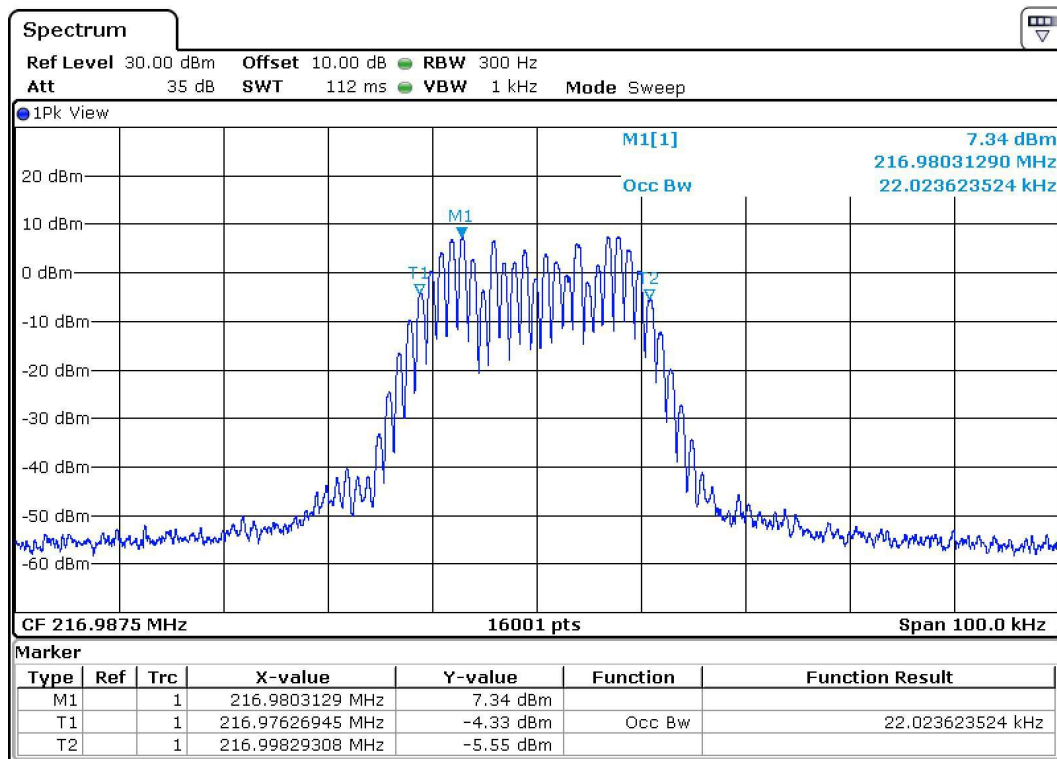




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OBW - 99%

DNB Job Number:	46009	Date:	2 Aug 2023	Specification
Customer:	Listen Tech Corp			
Model Number:	LT-800-216			[X] 95.2173
Description:	Assisted Listening Technology Device			[X] RSS-210 Annex C
	Standard Band - High Channel			[X] ANSI
EUT is in conformance with FCC 95.2173		X	YE	NO
		Signed		C63262015
				C63262015 III

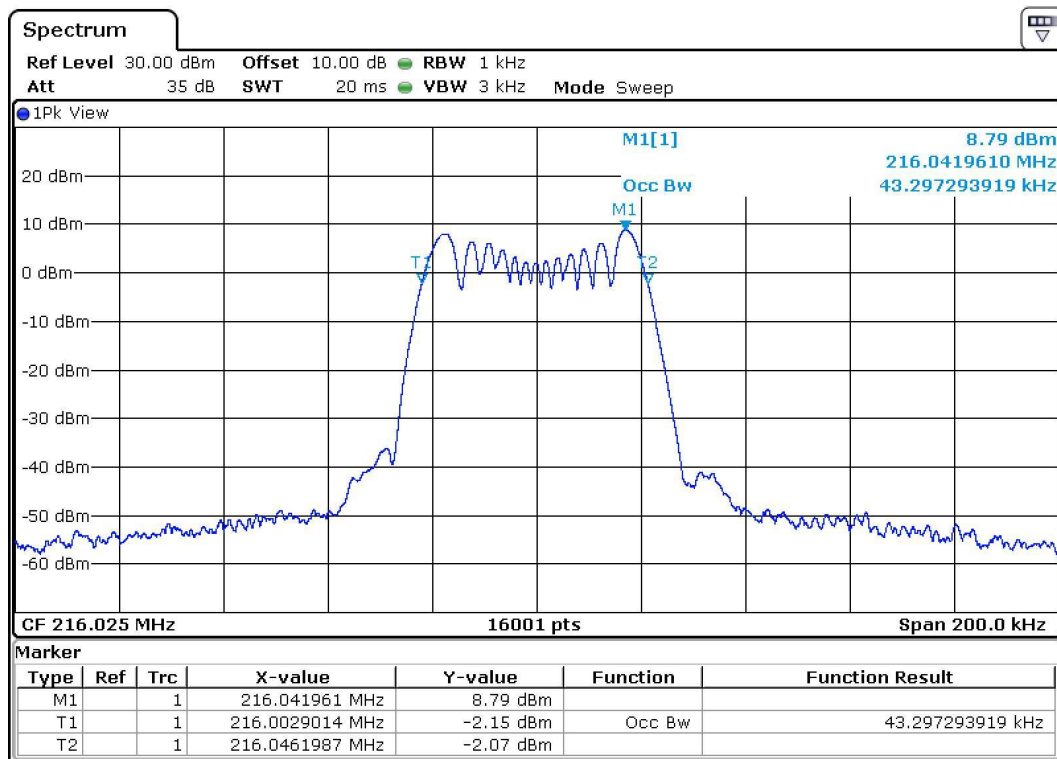




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OBW - 99%

DNB Job Number:	46009	Date:	2 Aug 2023	Specification
Customer:	Listen Tech Corp	[X] 95.2173 [X] RSS-210 Annex C [X] ANSI		
Model Number:	LT-800-216			
Description:	Assisted Listening Technology Device Xtra Band - Low Channel			
EUT is in conformance with FCC 95.2173		X	YE	NO
		Signed		C63262015
		C63262015		

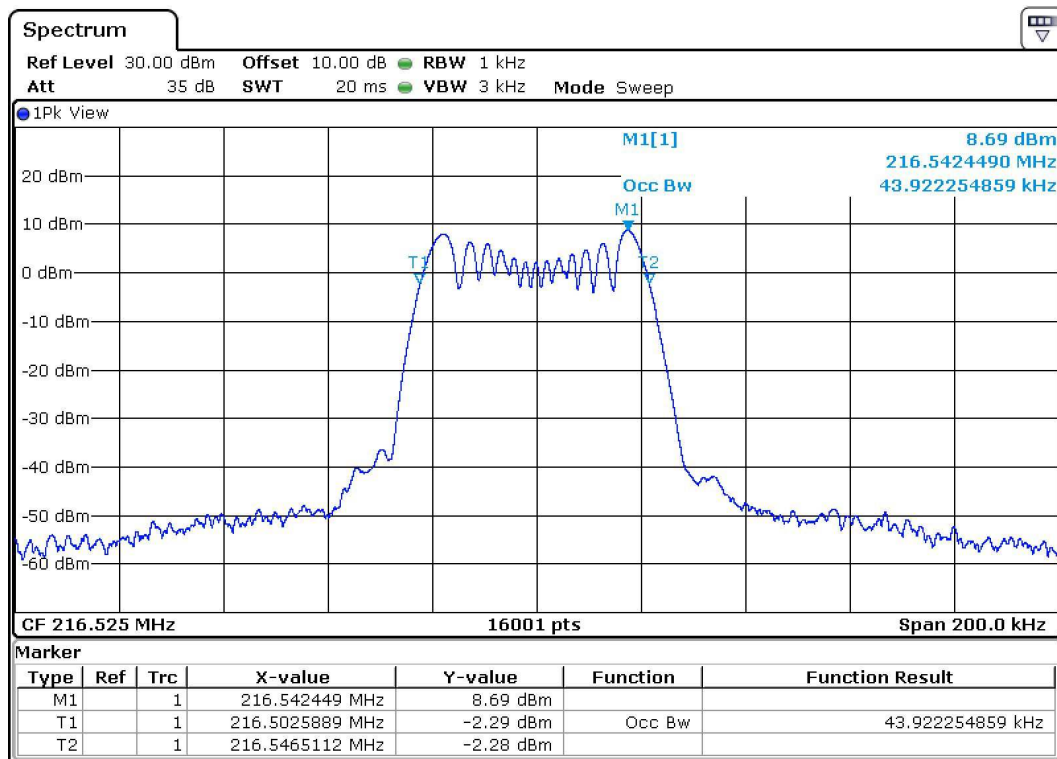




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OBW - 99%

DNB Job Number:	46009	Date: 2 Aug 2023				Specification [X] 95.2173 [X] RSS-210 Annex C [X] ANSI
Customer:	Listen Tech Corp					
Model Number:	LT-800-216					
Description:	Assisted Listening Technology Device Xtra Band - Middle Channel					
EUT is in conformance with FCC 95.2173		X	YE	NO	Signed	C63262015 Page III

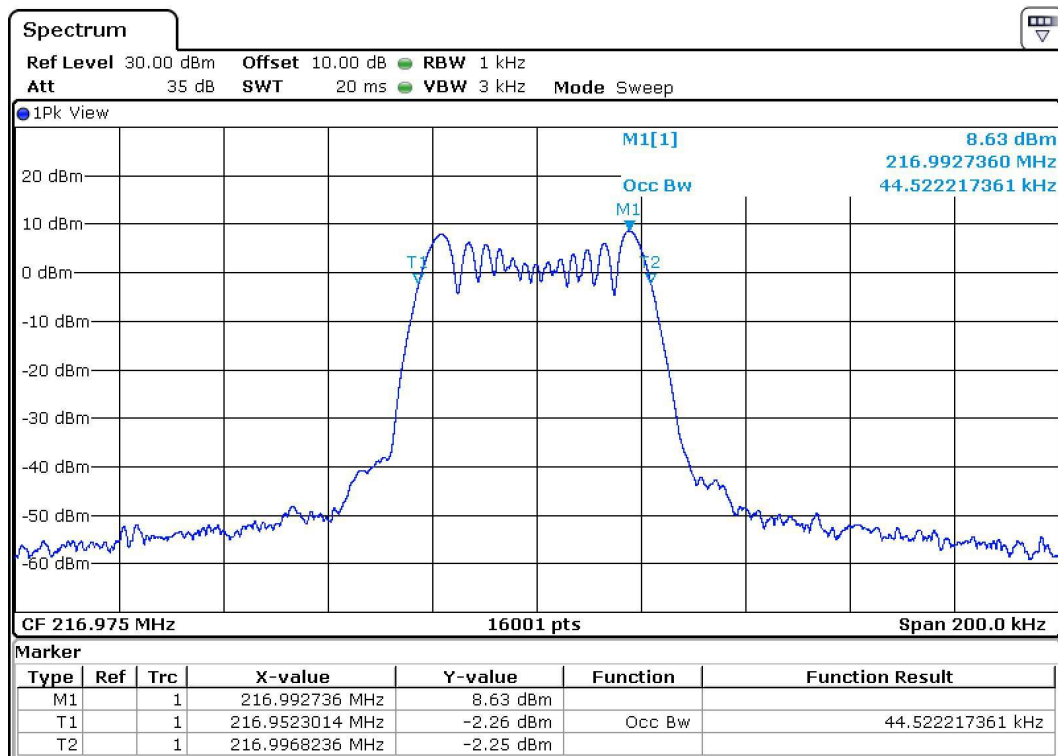




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OBW - 99%

DNR Job Number:	46009	Date:	2 Aug 2023	Specification
Customer:	Listen Tech Corp			[X] 95.2173
Model Number:	LT-800-216			[X] RSS-210 Annex C
Description:	Assisted Listening Technology Device			[X] ANSI
	Xtra Band - High Channel			
EUT is in conformance with FCC 95.2173	X	YE	NO	Signed
				C63262015



5.5.1 General

The primary necessity for radiated emissions testing is to demonstrate that any spurious emissions radiating from the EUT cabinet, control circuitry, power leads, or intermediate circuit elements, which would be missed in a totally dedicated conducted test, comply with the applicable limits. Such a test can only be performed in a radiated test configuration. In addition, many contemporary portable transmitters utilize integral antennas, precluding access to an antenna output port from which to perform conducted compliance measurements. For these types of transmitters, all of the data necessary to demonstrate compliance must be measured in a radiated test configuration. The procedures provided in this subclause are applicable to all radiated measurements performed on transmitters.

Due to recent trends in which many wireless products combine multiple radios within a single enclosure, and that such combination products typically incorporate both licensed and unlicensed transmitters, at least a portion of the required compliance (i.e., the unlicensed radio components) tests must be performed on a validated test site, in accordance with ANSI C63.10, to satisfy unlicensed intentional radiator compliance measurement requirements. For these types of combination products, conversion of a field strength measurement (or received power measurement) to an equivalent EIRP or ERP value based on the equations in 5.2.7 without using the substitution method is acceptable provided that they are performed on a test site that is validated to the requirements of ANSI C63.10.

All radiated emissions measurements shall conform to the common requirements in specified in 5.5.2 and to the specific requirements listed in 5.5.4 when the field strength method is used.

5.5.2.3.1 Test arrangements for tabletop EUTs

For radiated emissions measurements performed at frequencies less than or equal to 1 GHz, the EUT shall be placed on a RF-transparent table or support at a nominal height of 80 cm above the reference ground plane. Radiated measurements shall be made with the measurement antenna positioned in both horizontal and vertical polarization. The measurement antenna shall be varied from 1 m to 4 m in height above the reference ground in a search for the relative positioning that produces the maximum radiated signal level (i.e., field strength or received power). When orienting the measurement antenna in vertical polarization, the minimum height of the lowest element of the antenna shall clear the site reference ground plane by at least 25 cm.

For radiated measurements performed at frequencies above 1 GHz, the EUT shall be placed on an RF transparent table or support at a nominal height of 1.5 m above the ground plane. Radiated measurements shall be made with the measurement antenna positioned in both horizontal and vertical polarization. The height scan of the measurement antenna shall be varied from 1 m to 4 m in a search for the relative positioning that produces the maximum radiated signal level (i.e., field strength or received power). When using the direct field strength method and the EUT is manipulated through three different orientations, then the scan height range of the measurement antenna is limited to 2.5 m, or 0.5 m above the top of the EUT, whichever is higher.

Figure below shows a typical EUT configuration with a wireless device placed on a tabletop on an appropriate radiated test site. The measurement antenna shall be placed at the specified distance from the closest point of the EUT. Tabletop devices shall be placed on a RF transparent platform with nominal top surface dimensions of 1 m by 1.5 m. Any necessary support equipment shall be placed far enough away from the EUT, such that changes in relative position of the EUT and support equipment do not influence the measured values. If the EUT requires a connection to a server or computer, via control/data cable(s), to exercise the product, then the controlling server or computer may be placed outside of the test area.

EUTs that can be operated in one of multiple orientations (e.g., handheld, portable, or modular devices) shall be tested in a minimum of three orientations. (Reference figure below)

95.2179 LPRS unwanted emission limits.

The requirements in this section apply to each LPRS transmitter type both with and without the connection of attachments, such as an external microphone, power cord and/or antenna.

Channels	Paragraphs
standard band 35 kHz	(3), (4)
extra band 50 kHz	(5), (6)

(b) Attenuation requirements. The power of unwanted emissions must be attenuated below the transmitter output power in Watts (P) by at least:

- (3) 30 dB on any frequency removed from the channel center frequency by 12.5 kHz to 22.5 kHz.
- (4) $43 + 10 \log (P)$ dB on any frequency removed from the channel center frequency by more than 22.5 kHz.
- (5) 30 dB on any frequency removed from the channel center frequency by 25 kHz to 35 kHz.
- (6) $43 + 10 \log (P)$ dB on any frequency removed from the channel center frequency by more than 35 kHz.

$$\text{Watts}(P) = 0.100$$

$$43 + 10\log(0.1)\text{dB} = \mathbf{33\text{dB}}$$

$$20\text{dBm} - 33\text{dB} = -13\text{dbm} = 0.050\text{mW} = \text{Limit}$$

(c) Measurement conditions and procedures. The power of unwanted emissions in the frequency bands specified in paragraphs (b)(1), (3), (5), and (7) of this section is measured with a reference bandwidth of 300 Hz. The power of unwanted emissions in the frequency ranges

specified in paragraphs (b)(2), (4), (6), and (8) is measured with a reference bandwidth of at least 30 kHz.

For RSS-210 the following applies:

Mask C

- (i) 30 dB for emissions at 12.5 kHz to 22.5 kHz away from the channel centre frequency
- (ii) $55 + 10 \log_{10} p$ dB or to the general field strength limits specified in RSS-Gen, whichever is less stringent, for emissions at frequencies greater than 22.5 kHz away from the channel centre frequency

Mask D

- (i) 30 dB for emissions at 25 kHz to 35 kHz away from the channel centre frequency
- (ii) $55 + 10 \log_{10} p$ dB or to the general field strength limits specified in RSS-Gen, whichever is less stringent, for emissions at frequencies more than 35 kHz away from the channel centre frequency
- (iii) The device's user manual, in addition to the user manual requirements of RSS-Gen, shall contain the following or equivalent notice:

*If TV channel 13 (210-216 MHz) is used in the area, the installer shall reduce or adjust the radio frequency radiated power so that nearby TV channel 13 receivers do not receive radio interference from the system installed. **Suggestions:** A test with a TV receiver equipped with a "rabbit-ear antenna" and tuned to channel 13 should be conducted at the perimeter of the user's intended coverage area and should not overlap other user(s)' areas without the user(s)' consent. If this does not resolve the problem, a channel near the 217 MHz edge and not near 216 MHz should be used.*

Watts (P) = 0.100

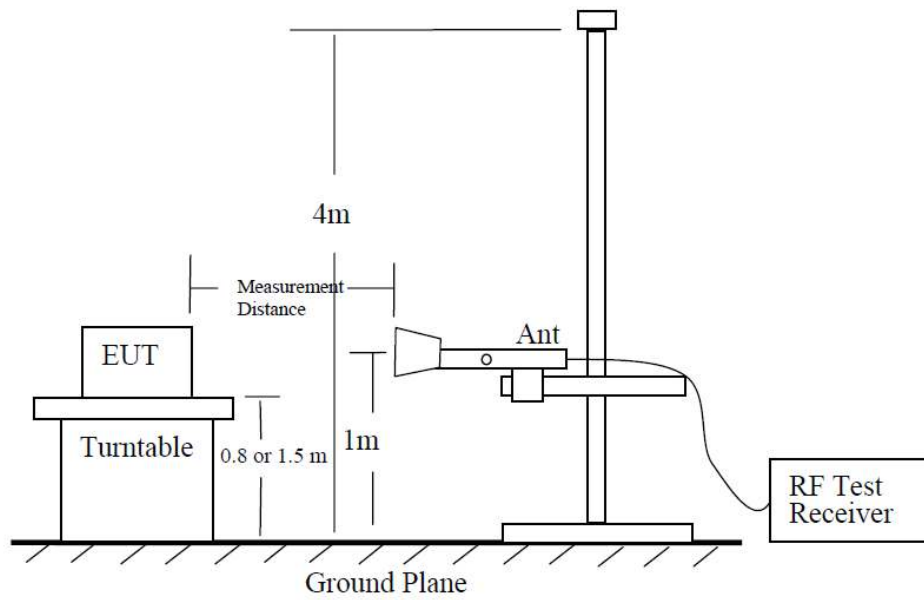
$55 + 10 \log(0.1) \text{ dB} = 45 \text{ dB}$

$20 \text{ dBm} - 45 \text{ dB} = -25 \text{ dBm} = 0.00316 \text{ mW} = \text{Limit} = 300 \text{ kHz}$

Note 1: FCC and Industry Canada general limits were used in the following charts to determine compliance.

Note 2: Worst case antenna combination was determined to be Horz Dipole, this was used for radiated spurious measurements

Note 3: No significant emissions were observed from the EUT other than the spurious emissions



Test Set up for Radiated Power and Spurious Emissions

	1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		Radiated Spurious									
	DNB Job Number: 46009		Date: 28 Aug 2023		Specification ☒ 95.2179 ☒ RSS-210 Annex C ☒ ANSI							
	Customer: Listen Tech Corp											
	Model Number: LT-800-216											
	Description: Assisted Listening Technology Device Standard Band - Low Channel											
EUT is in conformance with FCC 95.2167						☒ YES	☐ NO	Signed:		C63.26:2015		
RADIATED SPURIOUS MEASUREMENTS (ANSI C63-26:2015 clause 5.5.4)												
Freq	Meter	Preamp	Cable	Antenna	Corr'd	Corr'd	Limit	Delta	Azimuth	Height	Polarity	Meas
(MHz)	(dBuV/m)	(dB)	(dB)	(dB/m)	(dBuV/m)	(dBm)	(dBm)	(dB)	(deg)	(m)		Type
432.0250	45.99	26.62	3.63	22.02	45.01	-52.34	-13.00	-39.34	293.62	1.01	Horz	QP
432.0250	42.02	26.62	3.63	22.02	41.04	-56.31	-13.00	-43.31	0.01	3.00	Vert	QP
648.0375	31.70	27.45	4.18	26.05	34.48	-62.87	-13.00	-49.87	304.09	1.22	Horz	QP
648.0375	29.62	27.45	4.18	26.05	32.40	-64.95	-13.00	-51.95	37.81	1.39	Vert	QP
864.0500	36.21	27.27	5.28	27.88	42.09	-55.26	-13.00	-42.26	287.27	1.21	Horz	QP
864.0500	33.52	27.27	5.28	27.88	39.40	-57.95	-13.00	-44.95	16.88	1.70	Vert	QP
1080.0625	40.87	25.00	5.66	23.52	45.05	-52.30	-13.00	-39.30	340.00	1.00	Horz	AVE
1080.0625	42.81	26.20	5.66	23.52	45.79	-51.56	-13.00	-38.56	340.00	1.00	Horz	PK
1080.0625	34.50	26.20	5.66	23.52	37.48	-59.87	-13.00	-46.87	202.00	1.00	Vert	AVE
1080.0625	36.30	26.20	5.66	23.52	39.28	-58.07	-13.00	-45.07	202.00	1.00	Vert	PK
1296.0750	32.51	26.20	6.35	24.13	36.79	-60.56	-13.00	-47.56	292.00	1.00	Horz	AVE
1296.0750	34.51	26.20	6.35	24.13	38.79	-58.56	-13.00	-45.56	292.00	1.00	Horz	PK
1296.0750	32.88	26.20	6.35	24.13	37.16	-60.19	-13.00	-47.19	165.00	1.00	Vert	AVE
1296.0750	33.87	26.20	6.35	24.13	38.15	-59.20	-13.00	-46.20	165.00	1.00	Vert	PK
1512.0875	30.45	26.20	7.03	24.79	36.08	-61.27	-13.00	-48.27	341.00	1.00	Horz	AVE
1512.0875	31.80	26.20	7.03	24.79	37.43	-59.92	-13.00	-46.92	341.00	1.00	Horz	PK
1512.0875	30.65	26.20	7.03	24.79	36.28	-61.07	-13.00	-48.07	215.00	1.00	Vert	AVE
1512.0875	32.10	26.20	7.03	24.79	37.73	-59.62	-13.00	-46.62	215.00	1.00	Vert	PK
1728.1000	27.65	26.25	7.64	26.48	35.53	-61.82	-13.00	-48.82	338.00	1.00	Horz	AVE
1728.1000	30.49	26.25	7.64	26.48	38.37	-58.98	-13.00	-45.98	338.00	1.00	Horz	PK
1728.1000	30.87	26.25	7.64	26.48	38.75	-58.60	-13.00	-45.60	172.00	1.00	Vert	AVE
1728.1000	31.26	26.25	7.64	26.48	39.14	-58.21	-13.00	-45.21	172.00	1.00	Vert	PK
1944.1125	32.00	26.29	8.25	28.17	42.13	-55.22	-13.00	-42.22	121.00	1.00	Horz	AVE
1944.1125	32.34	26.29	8.25	28.17	42.47	-54.88	-13.00	-41.88	121.00	1.00	Horz	PK
1944.1125	37.45	26.29	8.25	28.17	47.58	-49.77	-13.00	-36.77	148.00	1.00	Vert	AVE
1944.1125	38.51	26.29	8.25	28.17	48.64	-48.71	-13.00	-35.71	148.00	1.00	Vert	PK
2160.1250	39.42	26.27	8.88	28.95	50.98	-46.37	-13.00	-33.37	271.00	1.00	Horz	AVE
2160.1250	39.73	26.27	8.88	28.95	51.29	-46.06	-13.00	-33.06	271.00	1.00	Horz	PK
2160.1250	39.03	26.27	8.88	28.95	50.59	-46.76	-13.00	-33.76	42.46	1.00	Vert	AVE
2160.1250	40.28	26.27	8.88	28.95	51.84	-45.51	-13.00	-32.51	42.46	1.00	Vert	PK

		1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436				Radiated Spurious						
DNB Job Number:		46009				Date:		28 Aug 2023		Specification [X] 95.2179 [X] RSS-210 Annex C [X] ANSI C63.26:2015		
Customer:		Listen Tech Corp										
Model Number:		LT-800-216										
Description:		Assisted Listening Technology Device										
		Standard Band - Middle Channel										
EUT is in conformance with FCC 95.2167						X	YES		NO	Signed	CL Payne III	
Radiated Spurious Measurements (ANSI C63-26:2015 clause 5.5.4)												
Freq	Meter	Preamp	Cable	Antenna	Corr'd	Corr'd	Limit	Delta	Azimuth	Height	Polarity	Meas
(MHz)	(dBuV/m)	(dB)	(dB)	(dB/m)	(dBuV/m)	(dBm)	(dBuV/m)	(dB)	(deg)	(m)		Type
433.0250	43.95	26.63	3.63	22.03	42.98	-54.37	-13.00	-41.37	292.93	1.26	Horz	QP
433.0250	39.07	26.63	3.63	22.03	38.10	-59.25	-13.00	-46.25	187.11	1.14	Vert	QP
649.5375	32.63	27.45	4.20	26.09	35.46	-61.89	-13.00	-48.89	300.13	1.47	Horz	QP
649.5375	31.56	27.45	4.20	26.09	34.39	-62.96	-13.00	-49.96	203.25	1.00	Vert	QP
866.0500	36.27	27.27	5.29	27.89	42.19	-55.16	-13.00	-42.16	297.34	1.16	Horz	QP
866.0500	35.50	27.27	5.29	27.89	41.42	-55.93	-13.00	-42.93	360.00	1.48	Vert	QP
1082.5625	40.75	26.20	5.66	23.53	43.75	-53.60	-13.00	-40.60	186.18	1.00	Horz	AVE
1082.5625	41.05	26.20	5.66	23.53	44.05	-53.30	-13.00	-40.30	186.18	1.00	Horz	PK
1082.5625	33.58	26.20	5.66	23.53	36.58	-60.77	-13.00	-47.77	0.01	1.00	Vert	AVE
1082.5625	33.86	26.20	5.66	23.53	36.86	-60.49	-13.00	-47.49	0.01	1.00	Vert	PK
1299.0750	30.54	26.20	6.36	24.14	34.83	-62.52	-13.00	-49.52	343.00	1.00	Horz	AVE
1299.0750	32.11	26.20	6.36	24.14	36.40	-60.95	-13.00	-47.95	343.00	1.00	Horz	PK
1299.0750	32.85	26.20	6.36	24.14	37.14	-60.21	-13.00	-47.21	322.93	1.00	Vert	AVE
1299.0750	33.68	26.20	6.36	24.14	37.97	-59.38	-13.00	-46.38	322.93	1.00	Vert	PK
1515.5875	29.47	26.20	7.04	24.82	35.13	-62.22	-13.00	-49.22	42.93	1.00	Horz	AVE
1515.5875	32.72	26.20	7.04	24.82	38.38	-58.97	-13.00	-45.97	42.93	1.00	Horz	PK
1515.5875	31.43	26.20	7.04	24.82	37.09	-60.26	-13.00	-47.26	149.90	1.00	Vert	AVE
1515.5875	32.59	26.20	7.04	24.82	38.25	-59.10	-13.00	-46.10	149.90	1.00	Vert	PK
1732.1000	28.60	26.25	7.65	26.51	36.52	-60.83	-13.00	-47.83	288.74	1.00	Horz	AVE
1732.1000	29.79	26.25	7.65	26.51	37.71	-59.64	-13.00	-46.64	288.74	1.00	Horz	PK
1732.1000	30.91	26.25	7.65	26.51	38.83	-58.52	-13.00	-45.52	163.16	1.00	Vert	AVE
1732.1000	32.78	26.25	7.65	26.51	40.70	-56.65	-13.00	-43.65	163.16	1.00	Vert	PK
1948.6125	32.05	26.29	8.26	28.21	42.22	-55.13	-13.00	-42.13	123.96	1.78	Horz	AVE
1948.6125	34.29	26.29	8.26	28.21	44.46	-52.89	-13.00	-39.89	123.86	1.78	Horz	PK
1948.6125	37.19	26.29	8.26	28.21	47.36	-49.99	-13.00	-36.99	165.95	1.00	Vert	AVE
1948.6125	38.61	26.29	8.26	28.21	48.78	-48.57	-13.00	-35.57	165.95	1.00	Vert	PK
2165.1250	39.20	26.27	8.90	28.96	50.79	-46.56	-13.00	-33.56	241.00	1.00	Horz	AVE
2165.1250	39.42	26.27	8.90	28.96	51.01	-46.34	-13.00	-33.34	241.00	1.00	Horz	PK
2165.1250	40.35	26.27	8.90	28.96	51.94	-45.41	-13.00	-32.41	154.00	1.64	Vert	AVE
2165.1250	40.46	26.27	8.90	28.96	52.05	-45.30	-13.00	-32.30	154.00	1.64	Vert	PK

		1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436				Radiated Spurious						
DNB Job Number:		46009				Date:		28 Aug 2023		Specification [X] 95.2179 [X] RSS-210 Annex C [X] ANSI C63.26:2015		
Customer:		Listen Tech Corp										
Model Number:		LT-800-216										
Description:		Assisted Listening Technology Device										
		Standard Band - High Channel										
EUT is in conformance with FCC 95.2167					X	YES		NO	Signed	CL Payne III		
RADIATED SPURIOUS MEASUREMENTS (ANSI C63-26:2015 clause 5.5.4)												
Freq	Meter	Preamp	Cable	Antenna	Corr'd	Corr'd	Limit	Delta	Azimuth	Height	Polarity	Meas
(MHz)	(dBuV/m)	(dB)	(dB)	(dB/m)	(dBuV/m)	(dBm)	(dBm)	(dB)	(deg)	(m)		Type
433.9750	44.90	26.64	3.64	22.04	43.94	-53.41	-13.00	-40.41	286.88	1.00	Horz	QP
433.9750	39.31	26.64	3.64	22.04	38.35	-59.00	-13.00	-46.00	0.00	3.04	Vert	QP
650.9250	30.56	27.45	4.21	26.12	33.44	-63.91	-13.00	-50.91	185.65	1.24	Horz	QP
650.9625	29.77	27.45	4.21	26.13	32.65	-64.70	-13.00	-51.70	202.68	1.70	Vert	QP
867.9500	34.70	27.26	5.31	27.91	40.66	-56.69	-13.00	-43.69	303.50	1.00	Horz	QP
867.9500	33.54	27.26	5.31	27.91	39.50	-57.85	-13.00	-44.85	5.72	1.63	Vert	QP
1084.9375	41.10	26.20	5.67	23.54	44.11	-53.24	-13.00	-40.24	186.65	1.00	Horz	AVE
1084.9375	41.50	26.20	5.67	23.54	44.51	-52.84	-13.00	-39.84	186.65	1.00	Horz	PK
1084.9375	32.53	26.20	5.67	23.54	35.54	-61.81	-13.00	-48.81	1.00	1.00	Vert	AVE
1084.9375	33.56	26.20	5.67	23.54	36.57	-60.78	-13.00	-47.78	1.00	1.00	Vert	PK
1301.9250	32.35	26.20	6.37	24.15	36.66	-60.69	-13.00	-47.69	295.25	1.00	Horz	AVE
1301.9250	33.62	26.20	6.37	24.15	37.93	-59.42	-13.00	-46.42	295.25	1.00	Horz	PK
1301.9250	34.00	26.20	6.37	24.15	38.31	-59.04	-13.00	-46.04	60.01	1.00	Vert	AVE
1301.9250	34.31	26.20	6.37	24.15	38.62	-58.73	-13.00	-45.73	60.01	1.00	Vert	PK
1518.9125	30.75	26.20	7.05	24.85	36.45	-60.90	-13.00	-47.90	354.09	1.00	Horz	AVE
1518.9125	32.30	26.20	7.05	24.85	38.00	-59.35	-13.00	-46.35	345.09	1.00	Horz	PK
1518.9125	30.77	26.20	7.05	24.85	36.47	-60.88	-13.00	-47.88	218.00	1.00	Vert	AVE
1518.9125	32.61	26.20	7.05	24.85	38.31	-59.04	-13.00	-46.04	218.00	1.00	Vert	PK
1735.9000	29.64	26.25	7.66	26.54	37.60	-59.75	-13.00	-46.75	82.00	1.00	Horz	AVE
1735.9000	31.27	26.25	7.66	26.54	39.23	-58.12	-13.00	-45.12	82.00	1.00	Horz	PK
1735.9000	31.80	26.25	7.66	26.54	39.76	-57.59	-13.00	-44.59	158.51	1.00	Vert	AVE
1735.9000	32.24	26.25	7.66	26.54	40.20	-57.15	-13.00	-44.15	158.51	1.00	Vert	PK
1952.8875	33.21	26.29	8.27	28.24	43.43	-53.92	-13.00	-40.92	132.23	1.00	Horz	AVE
1952.8875	34.24	26.29	8.27	28.24	44.46	-52.89	-13.00	-39.89	132.23	1.00	Horz	PK
1952.8875	39.33	26.29	8.27	28.24	49.55	-47.80	-13.00	-34.80	159.67	1.00	Vert	AVE
1952.8875	39.87	26.29	8.27	28.24	50.09	-47.26	-13.00	-34.26	159.67	1.00	Vert	PK
2169.8750	40.00	26.27	8.91	28.97	51.62	-45.73	-13.00	-32.73	75.95	1.00	Horz	AVE
2169.8750	40.76	26.27	8.91	28.97	52.38	-44.97	-13.00	-31.97	75.95	1.00	Horz	PK
2169.8750	38.68	26.27	8.91	28.97	50.30	-47.05	-13.00	-34.05	149.67	2.32	Vert	AVE
2169.8750	39.19	26.27	8.91	28.97	50.81	-46.54	-13.00	-33.54	149.67	2.32	Vert	PK

			1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436				Radiated Spurious						
DNB Job Number:			46009				Date:		28 Aug 2023		Specification [X] 95.2179 [X] RSS-210 Annex C [X] ANSI C63.26:2015		
Customer:			Listen Tech Corp										
Model Number:			LT-800-216										
Description:			Assisted Listening Technology Device										
			Extra Band -Low Channel										
EUT is in conformance with FCC 95.2167						X	YES		NO	Signed	CL Payne III		
Radiated Spurious Measurements (ANSI C63-26:2015 clause 5.5.4)													
Freq	Meter	Preamp	Cable	Antenna	Corr'd	Corr'd	Limit	Delta	Azimuth	Height	Polarity	Meas	
(MHz)	(dBuV/m)	(dB)	(dB)	(dB/m)	(dBuV/m)	(dBm)	(dBm)	(dB)	(deg)	(m)		Type	
432.0500	45.04	26.62	3.63	22.02	44.06	-53.29	-13.00	-40.29	299.90	1.00	Horz	QP	
432.0500	39.78	26.62	3.63	22.02	38.80	-58.55	-13.00	-45.55	182.93	1.33	Vert	QP	
648.0750	29.22	27.45	4.18	26.05	32.00	-65.35	-13.00	-52.35	306.65	1.01	Horz	QP	
648.0750	30.94	27.45	4.18	26.05	33.72	-63.63	-13.00	-50.63	194.79	1.87	Vert	QP	
864.1000	35.89	27.27	5.28	27.88	41.77	-55.58	-13.00	-42.58	292.93	1.17	Horz	QP	
864.1000	35.39	27.27	5.28	27.88	41.27	-56.08	-13.00	-43.08	344.79	1.00	Vert	QP	
1080.1250	40.83	26.20	5.66	23.52	43.81	-53.54	-13.00	-40.54	131.06	1.00	Horz	AVE	
1080.1250	41.02	26.20	5.66	23.52	44.00	-53.35	-13.00	-40.35	131.06	1.00	Horz	PK	
1080.1250	34.14	26.20	5.66	23.52	37.12	-60.23	-13.00	-47.23	216.86	1.40	Vert	AVE	
1080.1250	34.13	26.20	5.66	23.52	37.11	-60.24	-13.00	-47.24	216.88	1.40	Vert	PK	
1296.1500	33.17	26.20	6.35	24.13	37.45	-59.90	-13.00	-46.90	118.00	1.03	Horz	AVE	
1296.1500	33.78	26.20	6.35	24.13	38.06	-59.29	-13.00	-46.29	118.00	1.03	Horz	PK	
1296.1500	31.34	26.20	6.35	24.13	35.62	-61.73	-13.00	-48.73	51.50	1.00	Vert	AVE	
1296.1500	32.62	26.20	6.35	24.13	36.90	-60.45	-13.00	-47.45	51.50	1.00	Vert	PK	
1512.1750	29.51	26.20	7.03	24.80	35.14	-62.21	-13.00	-49.21	33.39	1.00	Horz	AVE	
1512.1750	30.49	26.20	7.03	24.80	36.12	-61.23	-13.00	-48.23	33.39	1.00	Horz	PK	
1512.1750	31.21	26.20	7.03	24.80	36.84	-60.51	-13.00	-47.51	152.69	1.00	Vert	AVE	
1512.1750	31.50	26.20	7.03	24.80	37.13	-60.22	-13.00	-47.22	152.69	1.00	Vert	PK	
1728.2000	29.42	26.25	7.64	26.48	37.30	-60.05	-13.00	-47.05	304.79	1.00	Horz	AVE	
1728.2000	30.60	26.25	7.64	26.48	38.48	-58.87	-13.00	-45.87	304.79	1.00	Horz	PK	
1728.2000	30.82	26.25	7.64	26.48	38.70	-58.65	-13.00	-45.65	165.00	1.00	Vert	AVE	
1728.2000	31.94	26.25	7.64	26.48	39.82	-57.53	-13.00	-44.53	165.00	1.00	Vert	PK	
1944.2250	31.20	26.29	8.25	28.17	41.33	-56.02	-13.00	-43.02	1.00	1.00	Horz	AVE	
1944.2250	33.52	26.29	8.25	28.17	43.65	-53.70	-13.00	-40.70	1.00	1.00	Horz	PK	
1944.2250	38.12	26.29	8.25	28.17	48.25	-49.10	-13.00	-36.10	159.67	1.00	Vert	AVE	
1944.2250	38.41	26.29	8.25	28.17	48.54	-48.81	-13.00	-35.81	159.67	1.00	Vert	PK	
2160.2500	39.50	26.27	8.88	28.95	51.07	-46.28	-13.00	-33.28	243.86	1.00	Horz	AVE	
2160.2500	40.07	26.27	8.88	28.95	51.64	-45.71	-13.00	-32.71	243.86	1.00	Horz	PK	
2160.2500	39.91	26.27	8.88	28.95	51.48	-45.87	-13.00	-32.87	111.76	1.00	Vert	AVE	
2160.2500	39.97	26.27	8.88	28.95	51.54	-45.81	-13.00	-32.81	111.76	1.00	Vert	PK	

		1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		Radiated Spurious								
DNB Job Number:		46009		Date:		28 Aug 2023		Specification [X] 95.2179 [X] RSS-210 Annex C [X] ANSI C63.26:2015				
Customer:		Listen Tech Corp										
Model Number:		LT-800-216										
Description:		Assisted Listening Technology Device Extra Band - Middle Channel										
EUT is in conformance with FCC 95.2167				X	YES		NO	Signed	CL Payne III			
RADIATED SPURIOUS MEASUREMENTS (ANSI C63-26:2015 clause 5.5.4)												
Freq	Meter	Preamp	Cable	Antenna	Corr'd	Corr'd	Limit	Delta	Azimuth	Height	Polarity	Meas
(MHz)	(dBuV/m)	(dB)	(dB)	(dB/m)	(dBuV/m)	(dBm)	(dBm)	(dB)	(deg)	(m)		Type
433.0500	44.53	26.63	3.63	22.03	43.56	-53.79	-13.00	-40.79	285.02	1.00	Horz	QP
433.0500	38.90	26.63	3.63	22.03	37.93	-59.42	-13.00	-46.42	1.76	2.48	Vert	QP
649.5750	30.02	27.45	4.20	26.09	32.86	-64.49	-13.00	-51.49	310.13	1.00	Horz	QP
649.5750	31.07	27.45	4.20	26.09	33.91	-63.44	-13.00	-50.44	203.86	2.11	Vert	QP
866.1000	34.71	27.27	5.29	27.89	40.63	-56.72	-13.00	-43.72	298.04	1.00	Horz	QP
866.1000	35.63	27.27	5.29	27.89	41.55	-55.80	-13.00	-42.80	201.76	2.28	Vert	QP
1082.6250	40.79	26.20	5.66	23.53	43.79	-53.56	-13.00	-40.56	188.74	1.00	Horz	AVE
1082.6250	40.88	26.20	5.66	23.53	43.88	-53.47	-13.00	-40.47	188.74	1.00	Horz	PK
1082.6250	34.07	26.20	5.66	23.53	37.07	-60.28	-13.00	-47.28	222.69	4.00	Vert	AVE
1082.6250	34.95	26.20	5.66	23.53	37.95	-59.40	-13.00	-46.40	222.69	4.00	Vert	PK
1299.1500	32.90	26.20	6.36	24.14	37.19	-60.16	-13.00	-47.16	112.46	1.00	Horz	AVE
1299.1500	33.36	26.20	6.36	24.14	37.65	-59.70	-13.00	-46.70	112.46	1.00	Horz	PK
1299.1500	32.47	26.20	6.36	24.14	36.76	-60.59	-13.00	-47.59	244.79	1.00	Vert	AVE
1299.1500	34.00	26.20	6.36	24.14	38.29	-59.06	-13.00	-46.06	244.79	1.00	Vert	PK
1515.6750	31.10	26.20	7.04	24.82	36.76	-60.59	-13.00	-47.59	165.00	1.00	Horz	AVE
1515.6750	31.70	26.20	7.04	24.82	37.36	-59.99	-13.00	-46.99	165.00	1.00	Horz	PK
1515.6750	29.68	26.20	7.04	24.82	35.34	-62.01	-13.00	-49.01	325.00	1.00	Vert	AVE
1515.6750	31.59	26.20	7.04	24.82	37.25	-60.10	-13.00	-47.10	325.00	1.00	Vert	PK
1732.2000	30.73	26.25	7.65	26.51	38.65	-58.70	-13.00	-45.70	273.00	1.00	Horz	AVE
1732.2000	31.83	26.25	7.65	26.51	39.75	-57.60	-13.00	-44.60	273.00	1.00	Horz	PK
1732.2000	29.88	26.25	7.65	26.51	37.80	-59.55	-13.00	-46.55	175.00	1.00	Vert	AVE
1732.2000	32.18	26.25	7.65	26.51	40.10	-57.25	-13.00	-44.25	175.00	1.00	Vert	PK
1948.7250	31.77	26.29	8.26	28.21	41.95	-55.40	-13.00	-42.40	126.65	1.00	Horz	AVE
1948.7250	33.02	26.29	8.26	28.21	43.20	-54.15	-13.00	-41.15	126.65	1.00	Horz	PK
1948.7250	37.83	26.29	8.26	28.21	48.01	-49.34	-13.00	-36.34	152.00	1.00	Vert	AVE
1948.7250	38.20	26.29	8.26	28.21	48.38	-48.97	-13.00	-35.97	152.00	1.00	Vert	PK
2165.2500	36.69	26.27	8.90	28.96	48.28	-49.07	-13.00	-36.07	238.74	1.00	Horz	AVE
2165.2500	38.66	26.27	8.90	28.96	50.25	-47.10	-13.00	-34.10	238.74	1.00	Horz	PK
2165.2500	41.00	26.27	8.90	28.96	52.59	-44.76	-13.00	-31.76	157.58	1.22	Vert	AVE
2165.2500	41.79	26.27	8.90	28.96	53.38	-43.97	-13.00	-30.97	157.58	1.22	Vert	PK

		1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		Radiated Spurious								
DNB Job Number:		46009		Date:		28 Aug 2023		Specification [X] 95.2179 [X] RSS-210 Annex C [X] ANSI C63.26:2015				
Customer:		Listen Tech Corp										
Model Number:		LT-800-216										
Description:		Assisted Listening Technology Device Extra Band - High Channel										
EUT is in conformance with FCC 95.2167				X	YES		NO	Signed	CL Payne III			
RADIATED SPURIOUS MEASUREMENTS (ANSI C63-26:2015 clause 5.5.4)												
Freq	Meter	Preamp	Cable	Antenna	Corr'd	Corr'd	Limit	Delta	Azimuth	Height	Polarity	Meas
(MHz)	(dBuV/m)	(dB)	(dB)	(dB/m)	(dBuV/m)	(dBm)	(dBm)	(dB)	(deg)	(m)		Type
433.9500	44.65	26.64	3.64	22.04	43.69	-53.66	-13.00	-40.66	289.90	1.00	Horz	QP
433.9500	39.92	26.64	3.64	22.04	38.96	-58.39	-13.00	-45.39	185.95	1.16	Vert	QP
650.9250	29.98	27.45	4.21	26.12	32.86	-64.49	-13.00	-51.49	309.44	1.00	Horz	QP
650.9250	32.78	27.45	4.21	26.12	35.66	-61.69	-13.00	-48.69	190.13	1.00	Vert	QP
867.9000	35.84	27.26	5.31	27.91	41.80	-55.55	-13.00	-42.55	299.20	1.27	Horz	QP
867.9000	34.85	27.26	5.31	27.91	40.81	-56.54	-13.00	-43.54	194.79	2.27	Vert	QP
1084.8750	40.16	26.20	5.67	23.54	43.17	-54.18	-13.00	-41.18	126.65	1.00	Horz	AVE
1084.8750	40.35	26.20	5.67	23.54	43.36	-53.99	-13.00	-40.99	126.65	1.00	Horz	PK
1084.8750	36.62	26.20	5.67	23.54	39.63	-57.72	-13.00	-44.72	1.00	1.61	Vert	AVE
1084.8750	36.16	26.20	5.67	23.54	39.17	-58.18	-13.00	-45.18	1.00	1.61	Vert	PK
1301.8500	31.89	26.20	6.37	24.15	36.20	-61.15	-13.00	-48.15	299.04	1.00	Horz	AVE
1301.8500	32.84	26.20	6.37	24.15	37.15	-60.20	-13.00	-47.20	299.04	1.00	Horz	PK
1301.8500	32.56	26.20	6.37	24.15	36.87	-60.48	-13.00	-47.48	52.23	1.00	Vert	AVE
1301.8500	34.03	26.20	6.37	24.15	38.34	-59.01	-13.00	-46.01	52.23	1.00	Vert	PK
1518.8250	29.51	26.20	7.05	24.85	35.21	-62.14	-13.00	-49.14	0.09	1.00	Horz	AVE
1518.8250	31.25	26.20	7.05	24.85	36.95	-60.40	-13.00	-47.40	0.09	1.00	Horz	PK
1518.8250	29.15	26.20	7.05	24.85	34.85	-62.50	-13.00	-49.50	239.44	1.00	Vert	AVE
1518.8250	30.99	26.20	7.05	24.85	36.69	-60.66	-13.00	-47.66	239.44	1.00	Vert	PK
1735.8000	29.85	26.25	7.66	26.54	37.81	-59.54	-13.00	-46.54	1.00	1.00	Horz	AVE
1735.8000	31.68	26.25	7.66	26.54	39.64	-57.71	-13.00	-44.71	1.00	1.00	Horz	PK
1735.8000	31.67	26.25	7.66	26.54	39.63	-57.72	-13.00	-44.72	158.00	1.00	Vert	AVE
1735.8000	32.62	26.25	7.66	26.54	40.58	-56.77	-13.00	-43.77	158.00	1.00	Vert	PK
1952.7750	32.30	26.29	8.27	28.24	42.52	-54.83	-13.00	-41.83	31.00	1.00	Horz	AVE
1952.7750	34.47	26.29	8.27	28.24	44.69	-52.66	-13.00	-39.66	31.00	1.00	Horz	PK
1952.7750	39.44	26.29	8.27	28.24	49.66	-47.69	-13.00	-34.69	161.00	1.00	Vert	AVE
1952.7750	39.80	26.29	8.27	28.24	50.02	-47.33	-13.00	-34.33	161.00	1.00	Vert	PK
2169.7500	39.89	26.27	8.91	28.97	51.51	-45.84	-13.00	-32.84	147.00	1.00	Horz	AVE
2169.7500	40.05	26.27	8.91	28.97	51.67	-45.68	-13.00	-32.68	147.00	1.00	Horz	PK
2169.7500	40.92	26.27	8.91	28.97	52.54	-44.81	-13.00	-31.81	162.00	1.10	Vert	AVE
2169.7500	41.46	26.27	8.91	28.97	53.08	-44.27	-13.00	-31.27	162.00	1.10	Vert	PK

5.6.1 General

Some transmitter requirements specify frequency stability tests with variations of supply voltage and temperature, to show that the transmitter is capable of maintaining its assigned carrier frequency.

5.6.3 Procedure for frequency stability testing

Frequency stability is a measure of the frequency drift due to temperature and supply voltage variations, with reference to the frequency measured at +20 °C and rated supply voltage.

The operating carrier frequency shall be set up in accordance with the manufacturer's published operation and instruction manual prior to the commencement of these tests. No adjustment of any frequency determining circuit element shall be made subsequent to this initial set-up. Frequency stability is tested:

- a) At 10 °C intervals of temperatures between -30 °C and +50 °C at the manufacturer's rated supply voltage, and
- b) At +20 °C temperature and $\pm 15\%$ supply voltage variations. If a product is specified to operate over a range of input voltage then the $\pm 15\%$ variation is applied to the lowermost voltage and the +15% is applied to the uppermost voltage.

During the test all necessary settings, adjustments and control of the EUT have to be performed without disturbing the test environment, i.e., without opening the environmental chamber. The frequency stabilities can be maintained to a lesser temperature range provided that the transmitter is automatically inhibited from operating outside the lesser temperature range. For handheld equipment that is only capable of operating from internal batteries and the supply voltage cannot be varied, the frequency stability tests shall be performed at the nominal battery voltage and the battery end point voltage specified by the manufacturer. An external supply voltage can be used and set at the internal battery nominal voltage, and again at the battery operating end point voltage which shall be specified by the equipment manufacturer.

If an unmodulated carrier is not available, the mean frequency of a modulated carrier can be obtained by using a frequency counter with gating time set to an appropriately large multiple of bit periods (gating time depending on the required accuracy). Full details on the choice of values shall be included in the test report.

Frequency measurements shall be made at the extremes of the specified temperature range and at intervals required by the standard. A period of time sufficient to stabilize all of the components of the oscillator circuit at each temperature level shall be allowed prior to frequency measurement. The short term transient effects on the frequency of the transmitter due to keying and any heating element cycling normally occurring at each temperature level also shall be shown. The portion or portions of the transmitter containing the frequency determining and stabilizing circuitry, power supplies and active support electronics needed for operation and externally located with the transmitter need be subjected to the temperature variation test. Remotely located power supplies that are weather protected shall as a minimum be subject to the voltage variation test. Refer to the specific regulatory requirement for frequency stability temperature variation. The following procedures shall be used for frequency stability tests.

- a) Supply the EUT with a nominal 60 Hz ac voltage, dc voltage, or install a new or fully charged battery in the EUT.
- b) If possible a dummy load should be connected to the EUT because an antenna near the metallic walls of an environmental test chamber could affect the output frequency of the EUT. If the EUT is equipped with a permanently attached, adjustable-length antenna, the EUT should be placed in the center of the chamber with the antenna adjusted to the shortest length possible.
- c) Turn on the EUT, and tune it to the center frequency of the operating band.
- d) Couple the transmitter output to the measuring instrument through a suitable attenuator and coaxial cable. If connection to the EUT output is not possible, make the measurement by connecting an antenna to the measuring instrument with a suitable length of coaxial cable and placing the measuring antenna near the EUT (e.g., 15 cm away).
- e) Adjust the location of the measurement antenna and the controls on the measurement instrument to obtain a suitable signal level (i.e., a level that will not overload the measurement instrument, but is strong enough to allow measurement of the operating or fundamental frequency of the EUT). Adjust the detector bandwidth and span settings to achieve a resolution capable of accurate frequency measurements over the applicable frequency stability limits.
- f) Turn the EUT off, and place it inside the environmental temperature chamber. For devices that have oscillator heaters, energize only the heater circuit.

- g) Set the temperature control on the chamber to the highest temperature specified in the regulatory requirements for the type of device, and allow the oscillator heater and the chamber temperature to stabilize. Unless otherwise instructed by the regulatory authority, this temperature should be 50 °C.
- h) While maintaining a constant temperature inside the environmental chamber, turn on the EUT and allow sufficient time for the EUT temperature to stabilize.
- i) Measure the frequency.
- j) Switch off the EUT, but do not switch off the oscillator heater.
- k) Lower the chamber temperature to the next level that is required by the standard and allow the temperature inside the chamber to stabilize. Unless otherwise instructed by the regulators, this temperature step should be 10 °C.
- l) Repeat step h) through step k) down to the lowest specified temperature. Unless otherwise instructed by the regulators, this temperature should be 30 °C.

When the frequency stability limit is stated as being sufficient such that the fundamental emissions stay within the authorized bands of operation, a reference point shall be established at the applicable unwanted emissions limit using a RBW equal to the RBW required by the unwanted emissions specification of the applicable regulatory standard. These reference points measured using the lowest and highest channel of operation shall be identified as f_L and f_H respectively. The worst-case frequency offset determined in the above methods shall be added or subtracted from the values of f_L and f_H and the resulting frequencies must remain within the band.

- m) The following additional information is required for equipment incorporating heater type crystal oscillators to be used in mobile stations except for battery powered, hand carried, and portable equipment having mean output power lower than the threshold specified.
 - 1) Measurement data showing variation in transmitter output frequency from a cold start and the elapsed time necessary for the frequency to stabilize within the applicable tolerance. Tests shall be made after temperature stabilization at each of the ambient temperature levels required by the standard.
 - 2) Beginning at each temperature level specified, the frequency shall be measured within 60 s after application of primary power to the transmitter and at intervals of no more than 60 s thereafter until 10 min have elapsed or until sufficient measurements are obtained to indicate clearly that the frequency has stabilized within the applicable tolerance, whichever time period is greater.

- 3) The elapsed time necessary for the frequency to stabilize within the applicable tolerance from each beginning temperature level as determined from the tests specified in this paragraph shall be specified in the instruction book for the transmitter furnished to the user.
- 4) When it is impracticable to subject the complete transmitter to this test because of its physical dimensions or power rating, only its frequency determining and stabilizing portions need be tested.

		1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		Frequency Stability			
DNB Job Number:		46009		Date:		23 Aug 2023	
Customer:		Listen Tech Corp				[X] 95.2165 [X] RSS-210 Annex C [X] ANSI C63.26:2015	
Model Number:		LT-800-216					
Description:		Assisted Listening Technology Device					
EUT is in conformance with FCC 95.2165				X	YES		NO
					Signed	CL Payne III	
TEMPERATURE STABILITY - STANDARD BAND - LOW CHANNEL							
Time	Sec	°C	Freq in Mhz	Meas in MHz	Deviation in PPM	Limit in PPM	Pass/Fail
T	60	-30.00	216.012500	216.013030	2.45356	50	PASS
T+60	120	-30.00	216.012500	216.013030	2.45356	50	PASS
T+120	180	-30.00	216.012500	216.013050	2.54615	50	PASS
T+180	240	-30.00	216.012500	216.013040	2.49986	50	PASS
T+240	300	-30.00	216.012500	216.013030	2.45356	50	PASS
T+300	360	-30.00	216.012500	216.013030	2.45356	50	PASS
T+360	420	-30.00	216.012500	216.013010	2.36097	50	PASS
T+420	480	-30.00	216.012500	216.013010	2.36097	50	PASS
T+480	540	-30.00	216.012500	216.013030	2.45356	50	PASS
T+540	600	-30.00	216.012500	216.013010	2.36097	50	PASS
T	60	-20.00	216.012500	216.013030	2.45356	50	PASS
T+60	120	-20.00	216.012500	216.013040	2.49986	50	PASS
T+120	180	-20.00	216.012500	216.013010	2.36097	50	PASS
T+180	240	-20.00	216.012500	216.013040	2.49986	50	PASS
T+240	300	-20.00	216.012500	216.013040	2.49986	50	PASS
T+300	360	-20.00	216.012500	216.013010	2.36097	50	PASS
T+360	420	-20.00	216.012500	216.013030	2.45356	50	PASS
T+420	480	-20.00	216.012500	216.013040	2.49986	50	PASS
T+480	540	-20.00	216.012500	216.013030	2.45356	50	PASS
T+540	600	-20.00	216.012500	216.013030	2.45356	50	PASS
T	60	-10.00	216.012500	216.013030	2.45356	50	PASS
T+60	120	-10.00	216.012500	216.013000	2.31468	50	PASS
T+120	180	-10.00	216.012500	216.013030	2.45356	50	PASS
T+180	240	-10.00	216.012500	216.013010	2.36097	50	PASS
T+240	300	-10.00	216.012500	216.013030	2.45356	50	PASS
T+300	360	-10.00	216.012500	216.013040	2.49986	50	PASS
T+360	420	-10.00	216.012500	216.013050	2.54615	50	PASS
T+420	480	-10.00	216.012500	216.013040	2.49986	50	PASS
T+480	540	-10.00	216.012500	216.013040	2.49986	50	PASS
T+540	600	-10.00	216.012500	216.013000	2.31468	50	PASS
T	60	0.00	216.012500	216.012990	2.26839	50	PASS
T+60	120	0.00	216.012500	216.012970	2.17580	50	PASS
T+120	180	0.00	216.012500	216.012967	2.16191	50	PASS
T+180	240	0.00	216.012500	216.012973	2.18969	50	PASS
T+240	300	0.00	216.012500	216.012950	2.08321	50	PASS
T+300	360	0.00	216.012500	216.012899	1.84712	50	PASS
T+360	420	0.00	216.012500	216.012937	2.02303	50	PASS

T+420	480	0.00	216.012500	216.012960	2.12951	50	PASS
T+480	540	0.00	216.012500	216.012950	2.08321	50	PASS
T+540	600	0.00	216.012500	216.012977	2.20821	50	PASS
T	60	10.00	216.012500	216.012897	1.83786	50	PASS
T+60	120	10.00	216.012500	216.012859	1.66194	50	PASS
T+120	180	10.00	216.012500	216.012847	1.60639	50	PASS
T+180	240	10.00	216.012500	216.012770	1.24993	50	PASS
T+240	300	10.00	216.012500	216.012737	1.09716	50	PASS
T+300	360	10.00	216.012500	216.012723	1.03235	50	PASS
T+360	420	10.00	216.012500	216.012717	1.00457	50	PASS
T+420	480	10.00	216.012500	216.012710	0.97217	50	PASS
T+480	540	10.00	216.012500	216.012697	0.91198	50	PASS
T+540	600	10.00	216.012500	216.012713	0.98605	50	PASS
T	60	20.00	216.012500	216.012400	0.46294	50	PASS
T+60	120	20.00	216.012500	216.012370	0.60182	50	PASS
T+120	180	20.00	216.012500	216.012367	0.61571	50	PASS
T+180	240	20.00	216.012500	216.012419	0.37498	50	PASS
T+240	300	20.00	216.012500	216.012437	0.29165	50	PASS
T+300	360	20.00	216.012500	216.012440	0.27776	50	PASS
T+360	420	20.00	216.012500	216.012397	0.47682	50	PASS
T+420	480	20.00	216.012500	216.012377	0.56941	50	PASS
T+480	540	20.00	216.012500	216.012390	0.50923	50	PASS
T+540	600	20.00	216.012500	216.012373	0.58793	50	PASS
T	60	30.00	216.012500	216.012217	1.31011	50	PASS
T+60	120	30.00	216.012500	216.012213	1.32863	50	PASS
T+120	180	30.00	216.012500	216.012210	1.34251	50	PASS
T+180	240	30.00	216.012500	216.012203	1.37492	50	PASS
T+240	300	30.00	216.012500	216.012197	1.40270	50	PASS
T+300	360	30.00	216.012500	216.012207	1.35640	50	PASS
T+360	420	30.00	216.012500	216.012200	1.38881	50	PASS
T+420	480	30.00	216.012500	216.012217	1.31011	50	PASS
T+480	540	30.00	216.012500	216.012243	1.18975	50	PASS
T+540	600	30.00	216.012500	216.012237	1.21752	50	PASS
T	60	40.00	216.012500	216.012190	1.43510	50	PASS
T+60	120	40.00	216.012500	216.012203	1.37492	50	PASS
T+120	180	40.00	216.012500	216.012233	1.23604	50	PASS
T+180	240	40.00	216.012500	216.012217	1.31011	50	PASS
T+240	300	40.00	216.012500	216.012219	1.30085	50	PASS
T+300	360	40.00	216.012500	216.012247	1.17123	50	PASS
T+360	420	40.00	216.012500	216.012230	1.24993	50	PASS
T+420	480	40.00	216.012500	216.012500	0.00000	50	PASS
T+480	540	40.00	216.012500	216.012343	0.72681	50	PASS
T+540	600	40.00	216.012500	216.012203	1.37492	50	PASS
T	60	50.00	216.012500	216.012470	0.13888	50	PASS
T+60	120	50.00	216.012500	216.012453	0.21758	50	PASS
T+120	180	50.00	216.012500	216.012497	0.01389	50	PASS
T+180	240	50.00	216.012500	216.012470	0.13888	50	PASS
T+240	300	50.00	216.012500	216.012513	0.06018	50	PASS
T+300	360	50.00	216.012500	216.012550	0.23147	50	PASS
T+360	420	50.00	216.012500	216.012537	0.17129	50	PASS
T+420	480	50.00	216.012500	216.012530	0.13888	50	PASS
T+480	540	50.00	216.012500	216.012567	0.31017	50	PASS
T+540	600	50.00	216.012500	216.012563	0.29165	50	PASS

		1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		Frequency Stability			
DNB Job Number:		46009		Date:		23 Aug 2023	
Customer:		Listen Tech Corp				[X] 95.2165 [X] RSS-210 Annex C [X] ANSI C63.26:2015	
Model Number:		LT-800-216					
Description:		Assisted Listening Technology Device					
EUT is in conformance with FCC 95.2165				X	YES		NO
					Signed	CL Payne III	
TEMPERATURE STABILITY - STANDARD BAND - MIDDLE LOW CHANNEL							
Time	Sec	°C	Freq in Mhz	Meas in MHz	Deviation in PPM	Limit in PPM	Pass/Fail
T	60	-30.00	216.512500	216.513003	2.32319	50	PASS
T+60	120	-30.00	216.512500	216.513070	2.63264	50	PASS
T+120	180	-30.00	216.512500	216.513030	2.44790	50	PASS
T+180	240	-30.00	216.512500	216.513050	2.54027	50	PASS
T+240	300	-30.00	216.512500	216.512937	2.01836	50	PASS
T+300	360	-30.00	216.512500	216.513003	2.32319	50	PASS
T+360	420	-30.00	216.512500	216.513000	2.30934	50	PASS
T+420	480	-30.00	216.512500	216.513003	2.32319	50	PASS
T+480	540	-30.00	216.512500	216.513070	2.63264	50	PASS
T+540	600	-30.00	216.512500	216.513007	2.34167	50	PASS
T	60	-20.00	216.512500	216.513000	2.30934	50	PASS
T+60	120	-20.00	216.512500	216.513007	2.34167	50	PASS
T+120	180	-20.00	216.512500	216.513000	2.30934	50	PASS
T+180	240	-20.00	216.512500	216.513077	2.66497	50	PASS
T+240	300	-20.00	216.512500	216.513000	2.30934	50	PASS
T+300	360	-20.00	216.512500	216.512937	2.01836	50	PASS
T+360	420	-20.00	216.512500	216.513007	2.34167	50	PASS
T+420	480	-20.00	216.512500	216.513077	2.66497	50	PASS
T+480	540	-20.00	216.512500	216.513003	2.32319	50	PASS
T+540	600	-20.00	216.512500	216.512937	2.01836	50	PASS
T	60	-10.00	216.512500	216.513077	2.66497	50	PASS
T+60	120	-10.00	216.512500	216.512933	1.99988	50	PASS
T+120	180	-10.00	216.512500	216.513000	2.30934	50	PASS
T+180	240	-10.00	216.512500	216.513077	2.66497	50	PASS
T+240	300	-10.00	216.512500	216.513003	2.32319	50	PASS
T+300	360	-10.00	216.512500	216.513073	2.64650	50	PASS
T+360	420	-10.00	216.512500	216.512937	2.01836	50	PASS
T+420	480	-10.00	216.512500	216.513003	2.32319	50	PASS
T+480	540	-10.00	216.512500	216.513007	2.34167	50	PASS
T+540	600	-10.00	216.512500	216.513000	2.30934	50	PASS
T	60	0.00	216.512500	216.513000	2.30934	50	PASS
T+60	120	0.00	216.512500	216.512930	1.98603	50	PASS
T+120	180	0.00	216.512500	216.513007	2.34167	50	PASS
T+180	240	0.00	216.512500	216.512937	2.01836	50	PASS
T+240	300	0.00	216.512500	216.513000	2.30934	50	PASS
T+300	360	0.00	216.512500	216.512930	1.98603	50	PASS
T+360	420	0.00	216.512500	216.513003	2.32319	50	PASS

T+420	480	0.00	216.512500	216.512937	2.01836	50	PASS
T+480	540	0.00	216.512500	216.513000	2.30934	50	PASS
T+540	600	0.00	216.512500	216.512930	1.98603	50	PASS
T	60	10.00	216.512500	216.512733	1.07615	50	PASS
T+60	120	10.00	216.512500	216.512800	1.38560	50	PASS
T+120	180	10.00	216.512500	216.512670	0.78517	50	PASS
T+180	240	10.00	216.512500	216.512733	1.07615	50	PASS
T+240	300	10.00	216.512500	216.512737	1.09463	50	PASS
T+300	360	10.00	216.512500	216.512730	1.06229	50	PASS
T+360	420	10.00	216.512500	216.512677	0.81750	50	PASS
T+420	480	10.00	216.512500	216.512730	1.06229	50	PASS
T+480	540	10.00	216.512500	216.512730	1.06229	50	PASS
T+540	600	10.00	216.512500	216.512673	0.79903	50	PASS
T	60	20.00	216.512500	216.512430	0.32331	50	PASS
T+60	120	20.00	216.512500	216.512473	0.12470	50	PASS
T+120	180	20.00	216.512500	216.512507	0.03233	50	PASS
T+180	240	20.00	216.512500	216.512477	0.10623	50	PASS
T+240	300	20.00	216.512500	216.512403	0.44801	50	PASS
T+300	360	20.00	216.512500	216.512470	0.13856	50	PASS
T+360	420	20.00	216.512500	216.512370	0.60043	50	PASS
T+420	480	20.00	216.512500	216.512403	0.44801	50	PASS
T+480	540	20.00	216.512500	216.512477	0.10623	50	PASS
T+540	600	20.00	216.512500	216.512377	0.56810	50	PASS
T	60	30.00	216.512500	216.512233	1.23319	50	PASS
T+60	120	30.00	216.512500	216.512170	1.52416	50	PASS
T+120	180	30.00	216.512500	216.512230	1.24704	50	PASS
T+180	240	30.00	216.512500	216.512237	1.21471	50	PASS
T+240	300	30.00	216.512500	216.512170	1.52416	50	PASS
T+300	360	30.00	216.512500	216.512230	1.24704	50	PASS
T+360	420	30.00	216.512500	216.512237	1.21471	50	PASS
T+420	480	30.00	216.512500	216.512170	1.52416	50	PASS
T+480	540	30.00	216.512500	216.512173	1.51031	50	PASS
T+540	600	30.00	216.512500	216.512233	1.23319	50	PASS
T	60	40.00	216.512500	216.512173	1.51031	50	PASS
T+60	120	40.00	216.512500	216.512237	1.21471	50	PASS
T+120	180	40.00	216.512500	216.512107	1.81514	50	PASS
T+180	240	40.00	216.512500	216.512300	0.92373	50	PASS
T+240	300	40.00	216.512500	216.512237	1.21471	50	PASS
T+300	360	40.00	216.512500	216.512177	1.49183	50	PASS
T+360	420	40.00	216.512500	216.512300	0.92373	50	PASS
T+420	480	40.00	216.512500	216.512233	1.23319	50	PASS
T+480	540	40.00	216.512500	216.512173	1.51031	50	PASS
T+540	600	40.00	216.512500	216.512230	1.24704	50	PASS
T	60	50.00	216.512500	216.512500	0.00000	50	PASS
T+60	120	50.00	216.512500	216.512437	0.29098	50	PASS
T+120	180	50.00	216.512500	216.512500	0.00000	50	PASS
T+180	240	50.00	216.512500	216.512507	0.03233	50	PASS
T+240	300	50.00	216.512500	216.512500	0.00000	50	PASS
T+300	360	50.00	216.512500	216.512430	0.32331	50	PASS
T+360	420	50.00	216.512500	216.512437	0.29098	50	PASS
T+420	480	50.00	216.512500	216.512500	0.00000	50	PASS
T+480	540	50.00	216.512500	216.512430	0.32331	50	PASS
T+540	600	50.00	216.512500	216.512377	0.56810	50	PASS



1100 E Chalk Creek Road
Coalville, UT 84017
(435) 336-4433
FAX (435) 336-4436

Frequency Stability

DNB Job Number:	46009	Date:	23 Aug 2023	Specification [X] 95.2165 [X] RSS-210 Annex C [X] ANSI C63.26:2015
Customer:	Listen Tech Corp			
Model Number:	LT-800-216			
Description:	Assisted Listening Technology Device			

EUT is in conformance with FCC 95.2165

X

YES

NO

Signed

CL Payne III

TEMPERATURE STABILITY - STANDARD BAND - HIGH CHANNEL

Time	Sec	°C	Freq in Mhz	Meas in MHz	Deviation in PPM	Limit in PPM	Pass/Fail
T	60	-30.00	216.987500	216.988040	2.48862	50	PASS
T+60	120	-30.00	216.987500	216.988027	2.42871	50	PASS
T+120	180	-30.00	216.987500	216.988047	2.52088	50	PASS
T+180	240	-30.00	216.987500	216.988020	2.39645	50	PASS
T+240	300	-30.00	216.987500	216.988027	2.42871	50	PASS
T+300	360	-30.00	216.987500	216.988047	2.52088	50	PASS
T+360	420	-30.00	216.987500	216.988034	2.46097	50	PASS
T+420	480	-30.00	216.987500	216.988027	2.42871	50	PASS
T+480	540	-30.00	216.987500	216.988020	2.39645	50	PASS
T+540	600	-30.00	216.987500	216.988034	2.46097	50	PASS
T	60	-20.00	216.987500	216.988027	2.42871	50	PASS
T+60	120	-20.00	216.987500	216.988034	2.46097	50	PASS
T+120	180	-20.00	216.987500	216.988047	2.52088	50	PASS
T+180	240	-20.00	216.987500	216.988020	2.39645	50	PASS
T+240	300	-20.00	216.987500	216.988034	2.46097	50	PASS
T+300	360	-20.00	216.987500	216.988040	2.48862	50	PASS
T+360	420	-20.00	216.987500	216.988054	2.55314	50	PASS
T+420	480	-20.00	216.987500	216.988034	2.46097	50	PASS
T+480	540	-20.00	216.987500	216.988040	2.48862	50	PASS
T+540	600	-20.00	216.987500	216.988027	2.42871	50	PASS
T	60	-10.00	216.987500	216.988047	2.52088	50	PASS
T+60	120	-10.00	216.987500	216.988027	2.42871	50	PASS
T+120	180	-10.00	216.987500	216.988034	2.46097	50	PASS
T+180	240	-10.00	216.987500	216.988027	2.42871	50	PASS
T+240	300	-10.00	216.987500	216.988047	2.52088	50	PASS
T+300	360	-10.00	216.987500	216.988040	2.48862	50	PASS
T+360	420	-10.00	216.987500	216.988034	2.46097	50	PASS
T+420	480	-10.00	216.987500	216.988027	2.42871	50	PASS
T+480	540	-10.00	216.987500	216.988020	2.39645	50	PASS
T+540	600	-10.00	216.987500	216.988027	2.42871	50	PASS
T	60	0.00	216.987500	216.987929	1.97707	50	PASS
T+60	120	0.00	216.987500	216.987920	1.93560	50	PASS
T+120	180	0.00	216.987500	216.987934	2.00012	50	PASS
T+180	240	0.00	216.987500	216.987940	2.02777	50	PASS
T+240	300	0.00	216.987500	216.987934	2.00012	50	PASS
T+300	360	0.00	216.987500	216.987940	2.02777	50	PASS
T+360	420	0.00	216.987500	216.987920	1.93560	50	PASS

T+420	480	0.00	216.987500	216.987927	1.96786	50	PASS
T+480	540	0.00	216.987500	216.987920	1.93560	50	PASS
T+540	600	0.00	216.987500	216.987934	2.00012	50	PASS
T	60	10.00	216.987500	216.987647	0.67746	50	PASS
T+60	120	10.00	216.987500	216.987640	0.64520	50	PASS
T+120	180	10.00	216.987500	216.987654	0.70972	50	PASS
T+180	240	10.00	216.987500	216.987660	0.73737	50	PASS
T+240	300	10.00	216.987500	216.987667	0.76963	50	PASS
T+300	360	10.00	216.987500	216.987674	0.80189	50	PASS
T+360	420	10.00	216.987500	216.987647	0.67746	50	PASS
T+420	480	10.00	216.987500	216.987660	0.73737	50	PASS
T+480	540	10.00	216.987500	216.987640	0.64520	50	PASS
T+540	600	10.00	216.987500	216.987647	0.67746	50	PASS
T	60	20.00	216.987500	216.987440	0.27651	50	PASS
T+60	120	20.00	216.987500	216.987434	0.30416	50	PASS
T+120	180	20.00	216.987500	216.987427	0.33642	50	PASS
T+180	240	20.00	216.987500	216.987434	0.30416	50	PASS
T+240	300	20.00	216.987500	216.987420	0.36868	50	PASS
T+300	360	20.00	216.987500	216.987434	0.30416	50	PASS
T+360	420	20.00	216.987500	216.987427	0.33642	50	PASS
T+420	480	20.00	216.987500	216.987420	0.36868	50	PASS
T+480	540	20.00	216.987500	216.987434	0.30416	50	PASS
T+540	600	20.00	216.987500	216.987400	0.46086	50	PASS
T	60	30.00	216.987500	216.987214	1.31805	50	PASS
T+60	120	30.00	216.987500	216.987234	1.22588	50	PASS
T+120	180	30.00	216.987500	216.987234	1.22588	50	PASS
T+180	240	30.00	216.987500	216.987207	1.35031	50	PASS
T+240	300	30.00	216.987500	216.987220	1.29040	50	PASS
T+300	360	30.00	216.987500	216.987214	1.31805	50	PASS
T+360	420	30.00	216.987500	216.987214	1.31805	50	PASS
T+420	480	30.00	216.987500	216.987194	1.41022	50	PASS
T+480	540	30.00	216.987500	216.987207	1.35031	50	PASS
T+540	600	30.00	216.987500	216.987200	1.38257	50	PASS
T	60	40.00	216.987500	216.987214	1.31805	50	PASS
T+60	120	40.00	216.987500	216.987227	1.25814	50	PASS
T+120	180	40.00	216.987500	216.987200	1.38257	50	PASS
T+180	240	40.00	216.987500	216.987220	1.29040	50	PASS
T+240	300	40.00	216.987500	216.987214	1.31805	50	PASS
T+300	360	40.00	216.987500	216.987194	1.41022	50	PASS
T+360	420	40.00	216.987500	216.987220	1.29040	50	PASS
T+420	480	40.00	216.987500	216.987194	1.41022	50	PASS
T+480	540	40.00	216.987500	216.987227	1.25814	50	PASS
T+540	600	40.00	216.987500	216.987220	1.29040	50	PASS
T	60	50.00	216.987500	216.987580	0.36868	50	PASS
T+60	120	50.00	216.987500	216.987580	0.36868	50	PASS
T+120	180	50.00	216.987500	216.987600	0.46086	50	PASS
T+180	240	50.00	216.987500	216.987587	0.40094	50	PASS
T+240	300	50.00	216.987500	216.987607	0.49312	50	PASS
T+300	360	50.00	216.987500	216.987600	0.46086	50	PASS
T+360	420	50.00	216.987500	216.987587	0.40094	50	PASS
T+420	480	50.00	216.987500	216.987607	0.49312	50	PASS
T+480	540	50.00	216.987500	216.987587	0.40094	50	PASS
T+540	600	50.00	216.987500	216.987594	0.43320	50	PASS

		1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		Frequency Stability			
DNB Job Number:		46009		Date:		23 Aug 2023	
Customer:		Listen Tech Corp				[X] 95.2165 [X] RSS-210 Annex C [X] ANSI C63.26:2015	
Model Number:		LT-800-216					
Description:		Assisted Listening Technology Device					
EUT is in conformance with FCC 95.2165				X	YES		NO
					Signed	CL Payne III	
TEMPERATURE STABILITY - EXTRA BAND - LOW CHANNEL							
Time	Sec	°C	Freq in Mhz	Meas in MHz	Deviation in PPM	Limit in PPM	Pass/Fail
T	60	-30.00	216.025000	216.025500	2.31455	50	PASS
T+60	120	-30.00	216.025000	216.025507	2.34695	50	PASS
T+120	180	-30.00	216.025000	216.025527	2.43953	50	PASS
T+180	240	-30.00	216.025000	216.025513	2.37473	50	PASS
T+240	300	-30.00	216.025000	216.025507	2.34695	50	PASS
T+300	360	-30.00	216.025000	216.025500	2.31455	50	PASS
T+360	420	-30.00	216.025000	216.025487	2.25437	50	PASS
T+420	480	-30.00	216.025000	216.025500	2.31455	50	PASS
T+480	540	-30.00	216.025000	216.025487	2.25437	50	PASS
T+540	600	-30.00	216.025000	216.025500	2.31455	50	PASS
T	60	-20.00	216.025000	216.025513	2.37473	50	PASS
T+60	120	-20.00	216.025000	216.025507	2.34695	50	PASS
T+120	180	-20.00	216.025000	216.025507	2.34695	50	PASS
T+180	240	-20.00	216.025000	216.025520	2.40713	50	PASS
T+240	300	-20.00	216.025000	216.025500	2.31455	50	PASS
T+300	360	-20.00	216.025000	216.025493	2.28214	50	PASS
T+360	420	-20.00	216.025000	216.025500	2.31455	50	PASS
T+420	480	-20.00	216.025000	216.025533	2.46731	50	PASS
T+480	540	-20.00	216.025000	216.025527	2.43953	50	PASS
T+540	600	-20.00	216.025000	216.025513	2.37473	50	PASS
T	60	-10.00	216.025000	216.025520	2.40713	50	PASS
T+60	120	-10.00	216.025000	216.025500	2.31455	50	PASS
T+120	180	-10.00	216.025000	216.025507	2.34695	50	PASS
T+180	240	-10.00	216.025000	216.025520	2.40713	50	PASS
T+240	300	-10.00	216.025000	216.024930	0.32404	50	PASS
T+300	360	-10.00	216.025000	216.025507	2.34695	50	PASS
T+360	420	-10.00	216.025000	216.025533	2.46731	50	PASS
T+420	480	-10.00	216.025000	216.025513	2.37473	50	PASS
T+480	540	-10.00	216.025000	216.025500	2.31455	50	PASS
T+540	600	-10.00	216.025000	216.025520	2.40713	50	PASS
T	60	0.00	216.025000	216.025420	1.94422	50	PASS
T+60	120	0.00	216.025000	216.025447	2.06920	50	PASS
T+120	180	0.00	216.025000	216.025413	1.91182	50	PASS
T+180	240	0.00	216.025000	216.025420	1.94422	50	PASS
T+240	300	0.00	216.025000	216.025440	2.03680	50	PASS
T+300	360	0.00	216.025000	216.025460	2.12938	50	PASS
T+360	420	0.00	216.025000	216.025440	2.03680	50	PASS

T+420	480	0.00	216.025000	216.025413	1.91182	50	PASS
T+480	540	0.00	216.025000	216.025427	1.97662	50	PASS
T+540	600	0.00	216.025000	216.025440	2.03680	50	PASS
T	60	10.00	216.025000	216.025167	0.77306	50	PASS
T+60	120	10.00	216.025000	216.025173	0.80083	50	PASS
T+120	180	10.00	216.025000	216.025180	0.83324	50	PASS
T+180	240	10.00	216.025000	216.025193	0.89342	50	PASS
T+240	300	10.00	216.025000	216.025173	0.80083	50	PASS
T+300	360	10.00	216.025000	216.025180	0.83324	50	PASS
T+360	420	10.00	216.025000	216.025193	0.89342	50	PASS
T+420	480	10.00	216.025000	216.025173	0.80083	50	PASS
T+480	540	10.00	216.025000	216.025220	1.01840	50	PASS
T+540	600	10.00	216.025000	216.025200	0.92582	50	PASS
T	60	20.00	216.025000	216.024893	0.49531	50	PASS
T+60	120	20.00	216.025000	216.024907	0.43051	50	PASS
T+120	180	20.00	216.025000	216.024880	0.55549	50	PASS
T+180	240	20.00	216.025000	216.024920	0.37033	50	PASS
T+240	300	20.00	216.025000	216.024900	0.46291	50	PASS
T+300	360	20.00	216.025000	216.024913	0.40273	50	PASS
T+360	420	20.00	216.025000	216.024920	0.37033	50	PASS
T+420	480	20.00	216.025000	216.024907	0.43051	50	PASS
T+480	540	20.00	216.025000	216.025900	4.16618	50	PASS
T+540	600	20.00	216.025000	216.024947	0.24534	50	PASS
T	60	30.00	216.025000	216.024753	1.14339	50	PASS
T+60	120	30.00	216.025000	216.024693	1.42113	50	PASS
T+120	180	30.00	216.025000	216.024713	1.32855	50	PASS
T+180	240	30.00	216.025000	216.024800	0.92582	50	PASS
T+240	300	30.00	216.025000	216.024707	1.35632	50	PASS
T+300	360	30.00	216.025000	216.024700	1.38873	50	PASS
T+360	420	30.00	216.025000	216.024733	1.23597	50	PASS
T+420	480	30.00	216.025000	216.024727	1.26374	50	PASS
T+480	540	30.00	216.025000	216.024687	1.44891	50	PASS
T+540	600	30.00	216.025000	216.024720	1.29615	50	PASS
T	60	40.00	216.025000	216.024767	1.07858	50	PASS
T+60	120	40.00	216.025000	216.024740	1.20356	50	PASS
T+120	180	40.00	216.025000	216.024733	1.23597	50	PASS
T+180	240	40.00	216.025000	216.024727	1.26374	50	PASS
T+240	300	40.00	216.025000	216.024707	1.35632	50	PASS
T+300	360	40.00	216.025000	216.024700	1.38873	50	PASS
T+360	420	40.00	216.025000	216.024747	1.17116	50	PASS
T+420	480	40.00	216.025000	216.024693	1.42113	50	PASS
T+480	540	40.00	216.025000	216.024747	1.17116	50	PASS
T+540	600	40.00	216.025000	216.024753	1.14339	50	PASS
T	60	50.00	216.025000	216.025100	0.46291	50	PASS
T+60	120	50.00	216.025000	216.025087	0.40273	50	PASS
T+120	180	50.00	216.025000	216.025093	0.43051	50	PASS
T+180	240	50.00	216.025000	216.025113	0.52309	50	PASS
T+240	300	50.00	216.025000	216.025093	0.43051	50	PASS
T+300	360	50.00	216.025000	216.025060	0.27775	50	PASS
T+360	420	50.00	216.025000	216.025067	0.31015	50	PASS
T+420	480	50.00	216.025000	216.025067	0.31015	50	PASS
T+480	540	50.00	216.025000	216.025053	0.24534	50	PASS
T+540	600	50.00	216.025000	216.025093	0.43051	50	PASS



1100 E Chalk Creek Road
Coalville, UT 84017
(435) 336-4433
FAX (435) 336-4436

Frequency Stability

DNB Job Number:	46009	Date:	23 Aug 2023	Specification [X] 95.2165 [X] RSS-210 Annex C [X] ANSI C63.26:2015
Customer:	Listen Tech Corp			
Model Number:	LT-800-216			
Description:	Assisted Listening Technology Device			

EUT is in conformance with FCC 95.2165

X

YES

NO

Signed

CL Payne III

TEMPERATURE STABILITY - EXTRA BAND - MIDDLE CHANNEL

Time	Sec	°C	Freq in Mhz	Meas in MHz	Deviation in PPM	Limit in PPM	Pass/Fail
T	60	-30.00	216.525000	216.525493	2.27687	50	PASS
T+60	120	-30.00	216.525000	216.525520	2.40157	50	PASS
T+120	180	-30.00	216.525000	216.525507	2.34153	50	PASS
T+180	240	-30.00	216.525000	216.525493	2.27687	50	PASS
T+240	300	-30.00	216.525000	216.525520	2.40157	50	PASS
T+300	360	-30.00	216.525000	216.525500	2.30920	50	PASS
T+360	420	-30.00	216.525000	216.525520	2.40157	50	PASS
T+420	480	-30.00	216.525000	216.525540	2.49394	50	PASS
T+480	540	-30.00	216.525000	216.525513	2.36924	50	PASS
T+540	600	-30.00	216.525000	216.525540	2.49394	50	PASS
T	60	-20.00	216.525000	216.525513	2.36924	50	PASS
T+60	120	-20.00	216.525000	216.525533	2.46161	50	PASS
T+120	180	-20.00	216.525000	216.525500	2.30920	50	PASS
T+180	240	-20.00	216.525000	216.525507	2.34153	50	PASS
T+240	300	-20.00	216.525000	216.525513	2.36924	50	PASS
T+300	360	-20.00	216.525000	216.525507	2.34153	50	PASS
T+360	420	-20.00	216.525000	216.525527	2.43390	50	PASS
T+420	480	-20.00	216.525000	216.525507	2.34153	50	PASS
T+480	540	-20.00	216.525000	216.525513	2.36924	50	PASS
T+540	600	-20.00	216.525000	216.525540	2.49394	50	PASS
T	60	-10.00	216.525000	216.525553	2.55398	50	PASS
T+60	120	-10.00	216.525000	216.525527	2.43390	50	PASS
T+120	180	-10.00	216.525000	216.525493	2.27687	50	PASS
T+180	240	-10.00	216.525000	216.525547	2.52627	50	PASS
T+240	300	-10.00	216.525000	216.525500	2.30920	50	PASS
T+300	360	-10.00	216.525000	216.525487	2.24916	50	PASS
T+360	420	-10.00	216.525000	216.525493	2.27687	50	PASS
T+420	480	-10.00	216.525000	216.525520	2.40157	50	PASS
T+480	540	-10.00	216.525000	216.525527	2.43390	50	PASS
T+540	600	-10.00	216.525000	216.525513	2.36924	50	PASS
T	60	0.00	216.525000	216.525433	1.99977	50	PASS
T+60	120	0.00	216.525000	216.525453	2.09214	50	PASS
T+120	180	0.00	216.525000	216.525460	2.12447	50	PASS
T+180	240	0.00	216.525000	216.525473	2.18451	50	PASS
T+240	300	0.00	216.525000	216.525447	2.06443	50	PASS
T+300	360	0.00	216.525000	216.525473	2.18451	50	PASS
T+360	420	0.00	216.525000	216.525427	1.97206	50	PASS

T+420	480	0.00	216.525000	216.525453	2.09214	50	PASS
T+480	540	0.00	216.525000	216.525433	1.99977	50	PASS
T+540	600	0.00	216.525000	216.525460	2.12447	50	PASS
T	60	10.00	216.525000	216.525267	1.23311	50	PASS
T+60	120	10.00	216.525000	216.525300	1.38552	50	PASS
T+120	180	10.00	216.525000	216.525253	1.16846	50	PASS
T+180	240	10.00	216.525000	216.525273	1.26082	50	PASS
T+240	300	10.00	216.525000	216.525267	1.23311	50	PASS
T+300	360	10.00	216.525000	216.525260	1.20079	50	PASS
T+360	420	10.00	216.525000	216.525253	1.16846	50	PASS
T+420	480	10.00	216.525000	216.525267	1.23311	50	PASS
T+480	540	10.00	216.525000	216.525260	1.20079	50	PASS
T+540	600	10.00	216.525000	216.525240	1.10842	50	PASS
T	60	20.00	216.525000	216.524873	0.58654	50	PASS
T+60	120	20.00	216.525000	216.524887	0.52188	50	PASS
T+120	180	20.00	216.525000	216.524880	0.55421	50	PASS
T+180	240	20.00	216.525000	216.524860	0.64658	50	PASS
T+240	300	20.00	216.525000	216.524853	0.67891	50	PASS
T+300	360	20.00	216.525000	216.524900	0.46184	50	PASS
T+360	420	20.00	216.525000	216.524873	0.58654	50	PASS
T+420	480	20.00	216.525000	216.524880	0.55421	50	PASS
T+480	540	20.00	216.525000	216.524907	0.42951	50	PASS
T+540	600	20.00	216.525000	216.524860	0.64658	50	PASS
T	60	30.00	216.525000	216.524707	1.35319	50	PASS
T+60	120	30.00	216.525000	216.524713	1.32548	50	PASS
T+120	180	30.00	216.525000	216.524740	1.20079	50	PASS
T+180	240	30.00	216.525000	216.524733	1.23311	50	PASS
T+240	300	30.00	216.525000	216.524747	1.16846	50	PASS
T+300	360	30.00	216.525000	216.524740	1.20079	50	PASS
T+360	420	30.00	216.525000	216.524733	1.23311	50	PASS
T+420	480	30.00	216.525000	216.524753	1.14075	50	PASS
T+480	540	30.00	216.525000	216.524707	1.35319	50	PASS
T+540	600	30.00	216.525000	216.524727	1.26082	50	PASS
T	60	40.00	216.525000	216.524707	1.35319	50	PASS
T+60	120	40.00	216.525000	216.524760	1.10842	50	PASS
T+120	180	40.00	216.525000	216.524720	1.29315	50	PASS
T+180	240	40.00	216.525000	216.524727	1.26082	50	PASS
T+240	300	40.00	216.525000	216.524713	1.32548	50	PASS
T+300	360	40.00	216.525000	216.524753	1.14075	50	PASS
T+360	420	40.00	216.525000	216.524773	1.04838	50	PASS
T+420	480	40.00	216.525000	216.524760	1.10842	50	PASS
T+480	540	40.00	216.525000	216.524753	1.14075	50	PASS
T+540	600	40.00	216.525000	216.524727	1.26082	50	PASS
T	60	50.00	216.525000	216.524993	0.03233	50	PASS
T+60	120	50.00	216.525000	216.524980	0.09237	50	PASS
T+120	180	50.00	216.525000	216.524993	0.03233	50	PASS
T+180	240	50.00	216.525000	216.524947	0.24478	50	PASS
T+240	300	50.00	216.525000	216.524960	0.18474	50	PASS
T+300	360	50.00	216.525000	216.524987	0.06004	50	PASS
T+360	420	50.00	216.525000	216.525007	0.03233	50	PASS
T+420	480	50.00	216.525000	216.524980	0.09237	50	PASS
T+480	540	50.00	216.525000	216.524967	0.15241	50	PASS
T+540	600	50.00	216.525000	216.524980	0.09237	50	PASS



1100 E Chalk Creek Road
Coalville, UT 84017
(435) 336-4433
FAX (435) 336-4436

Frequency Stability

DNB Job Number:	46009	Date:	23 Aug 2023	Specification [X] 95.2165 [X] RSS-210 Annex C [X] ANSI C63.26:2015
Customer:	Listen Tech Corp			
Model Number:	LT-800-216			
Description:	Assisted Listening Technology Device			

EUT is in conformance with FCC 95.2165

X

YES

NO

Signed

CL Payne III

TEMPERATURE STABILITY - EXTRA BAND - HIGH CHANNEL

Time	Sec	°C	Freq in Mhz	Meas in MHz	Deviation in PPM	Limit in PPM	Pass/Fail
T	60	-30.00	216.975000	216.975513	2.36433	50	PASS
T+60	120	-30.00	216.975000	216.975507	2.33667	50	PASS
T+120	180	-30.00	216.975000	216.975527	2.42885	50	PASS
T+180	240	-30.00	216.975000	216.975547	2.52103	50	PASS
T+240	300	-30.00	216.975000	216.975520	2.39659	50	PASS
T+300	360	-30.00	216.975000	216.975513	2.36433	50	PASS
T+360	420	-30.00	216.975000	216.975527	2.42885	50	PASS
T+420	480	-30.00	216.975000	216.975493	2.27215	50	PASS
T+480	540	-30.00	216.975000	216.975520	2.39659	50	PASS
T+540	600	-30.00	216.975000	216.975527	2.42885	50	PASS
T	60	-20.00	216.975000	216.975500	2.30441	50	PASS
T+60	120	-20.00	216.975000	216.975507	2.33667	50	PASS
T+120	180	-20.00	216.975000	216.975513	2.36433	50	PASS
T+180	240	-20.00	216.975000	216.975493	2.27215	50	PASS
T+240	300	-20.00	216.975000	216.975540	2.48877	50	PASS
T+300	360	-20.00	216.975000	216.975520	2.39659	50	PASS
T+360	420	-20.00	216.975000	216.975533	2.45650	50	PASS
T+420	480	-20.00	216.975000	216.975500	2.30441	50	PASS
T+480	540	-20.00	216.975000	216.975527	2.42885	50	PASS
T+540	600	-20.00	216.975000	216.975527	2.42885	50	PASS
T	60	-10.00	216.975000	216.975500	2.30441	50	PASS
T+60	120	-10.00	216.975000	216.975493	2.27215	50	PASS
T+120	180	-10.00	216.975000	216.975500	2.30441	50	PASS
T+180	240	-10.00	216.975000	216.975507	2.33667	50	PASS
T+240	300	-10.00	216.975000	216.975513	2.36433	50	PASS
T+300	360	-10.00	216.975000	216.975540	2.48877	50	PASS
T+360	420	-10.00	216.975000	216.975540	2.48877	50	PASS
T+420	480	-10.00	216.975000	216.975520	2.39659	50	PASS
T+480	540	-10.00	216.975000	216.975500	2.30441	50	PASS
T+540	600	-10.00	216.975000	216.975513	2.36433	50	PASS
T	60	0.00	216.975000	216.975507	2.33667	50	PASS
T+60	120	0.00	216.975000	216.975467	2.15232	50	PASS
T+120	180	0.00	216.975000	216.975487	2.24450	50	PASS
T+180	240	0.00	216.975000	216.975480	2.21224	50	PASS
T+240	300	0.00	216.975000	216.975473	2.17997	50	PASS
T+300	360	0.00	216.975000	216.975460	2.12006	50	PASS
T+360	420	0.00	216.975000	216.975500	2.30441	50	PASS

T+420	480	0.00	216.975000	216.975473	2.17997	50	PASS
T+480	540	0.00	216.975000	216.975480	2.21224	50	PASS
T+540	600	0.00	216.975000	216.975460	2.12006	50	PASS
T	60	10.00	216.975000	216.975247	1.13838	50	PASS
T+60	120	10.00	216.975000	216.975227	1.04620	50	PASS
T+120	180	10.00	216.975000	216.975187	0.86185	50	PASS
T+180	240	10.00	216.975000	216.975180	0.82959	50	PASS
T+240	300	10.00	216.975000	216.975200	0.92177	50	PASS
T+300	360	10.00	216.975000	216.975180	0.82959	50	PASS
T+360	420	10.00	216.975000	216.975187	0.86185	50	PASS
T+420	480	10.00	216.975000	216.975200	0.92177	50	PASS
T+480	540	10.00	216.975000	216.975193	0.88950	50	PASS
T+540	600	10.00	216.975000	216.975187	0.86185	50	PASS
T	60	20.00	216.975000	216.974973	0.12444	50	PASS
T+60	120	20.00	216.975000	216.975000	0.00000	50	PASS
T+120	180	20.00	216.975000	216.974953	0.21661	50	PASS
T+180	240	20.00	216.975000	216.975000	0.00000	50	PASS
T+240	300	20.00	216.975000	216.975973	4.48439	50	PASS
T+300	360	20.00	216.975000	216.974987	0.05991	50	PASS
T+360	420	20.00	216.975000	216.974987	0.05991	50	PASS
T+420	480	20.00	216.975000	216.974973	0.12444	50	PASS
T+480	540	20.00	216.975000	216.975000	0.00000	50	PASS
T+540	600	20.00	216.975000	216.974947	0.24427	50	PASS
T	60	30.00	216.975000	216.974753	1.13838	50	PASS
T+60	120	30.00	216.975000	216.974727	1.25821	50	PASS
T+120	180	30.00	216.975000	216.974733	1.23056	50	PASS
T+180	240	30.00	216.975000	216.974740	1.19829	50	PASS
T+240	300	30.00	216.975000	216.974713	1.32273	50	PASS
T+300	360	30.00	216.975000	216.974700	1.38265	50	PASS
T+360	420	30.00	216.975000	216.974713	1.32273	50	PASS
T+420	480	30.00	216.975000	216.974693	1.41491	50	PASS
T+480	540	30.00	216.975000	216.975687	3.16626	50	PASS
T+540	600	30.00	216.975000	216.974707	1.35039	50	PASS
T	60	40.00	216.975000	216.974700	1.38265	50	PASS
T+60	120	40.00	216.975000	216.974707	1.35039	50	PASS
T+120	180	40.00	216.975000	216.974713	1.32273	50	PASS
T+180	240	40.00	216.975000	216.974720	1.29047	50	PASS
T+240	300	40.00	216.975000	216.974700	1.38265	50	PASS
T+300	360	40.00	216.975000	216.974707	1.35039	50	PASS
T+360	420	40.00	216.975000	216.974713	1.32273	50	PASS
T+420	480	40.00	216.975000	216.974727	1.25821	50	PASS
T+480	540	40.00	216.975000	216.974713	1.32273	50	PASS
T+540	600	40.00	216.975000	216.974733	1.23056	50	PASS
T	60	50.00	216.975000	216.974933	0.30879	50	PASS
T+60	120	50.00	216.975000	216.974960	0.18435	50	PASS
T+120	180	50.00	216.975000	216.974940	0.27653	50	PASS
T+180	240	50.00	216.975000	216.974947	0.24427	50	PASS
T+240	300	50.00	216.975000	216.974980	0.09218	50	PASS
T+300	360	50.00	216.975000	216.974953	0.21661	50	PASS
T+360	420	50.00	216.975000	216.974960	0.18435	50	PASS
T+420	480	50.00	216.975000	216.974953	0.21661	50	PASS
T+480	540	50.00	216.975000	216.975000	0.00000	50	PASS
T+540	600	50.00	216.975000	216.974967	0.15209	50	PASS

5.6.5 Frequency stability when varying supply voltage

ANSI C63.26:2015

Tests shall be made at ambient room temperature (+15 °C to +25 °C).

- a) Couple the transmitter output to the measuring instrument through a suitable attenuator and coaxial cable. If connection to the EUT output is not possible make the measurement by connecting an antenna to the measuring instrument with a suitable length of coaxial cable and placing the measuring antenna near the EUT (e.g., 15 cm away)
- b) Supply the EUT with nominal ac or dc voltage. The supply voltage shall be measured at the input to the cable normally provided with the equipment, or at the power supply terminals if cables are not normally provided. Effects on frequency of transmitter keying (except for broadcast transmitters) and any heating element cycling at the nominal supply voltage and at each extreme also shall be shown.
- c) Turn on the EUT, and couple its output to a frequency counter or other frequency-measuring instrument.
- d) Tune the EUT to the center frequency of the operating band. Adjust the location of the measurement antenna and the controls on the measurement instrument to obtain a suitable signal level (i.e., a level that will not overload the measurement instrument, but is strong enough to allow measurement of the operating or fundamental frequency of the EUT). Adjust the detector bandwidth and span settings to achieve a resolution capable of accurate frequency measurements over the applicable frequency stability limits.
- e) Measure the frequency.
- f) Unless otherwise specified, vary primary supply voltage from 85% to 115% of the nominal value for other than hand carried battery equipment.
- g) For hand carried, battery powered equipment, reduce the primary ac or dc supply voltage to the battery operating end point, which shall be specified by the manufacturer.
- h) Repeat the frequency measurement.

		1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		Frequency Stability					
DNB Job Number:		46009		Date: 23 Aug 2023		Specification [X] 95.2165 [X] RSS-210 Annex C [X] ANSI			
Customer:		Listen Tech Corp							
Model Number:		LT-800-216							
Description:		Assisted Listening Technology Device							
EUT is in conformance with FCC 95.2165				X	YES		NO	Signed	C63.26.2015
VOLTAGE STABILITY									
Chan	Vdc	°C	Freq in Mhz	Meas in Mhz	Deviation in PPM	Limit in PPM	Pass/Fail		
1A	102	22.20	216.012500	216.012277	1.03235	50	PASS		
1A	120	22.30	216.012500	216.012297	0.93976	50	PASS		
1A	138	22.30	216.012500	216.012337	0.75459	50	PASS		
1K	102	22.20	216.512500	216.512307	0.89140	50	PASS		
1K	120	22.20	216.512500	216.512293	0.95606	50	PASS		
1K	138	22.20	216.512500	216.512287	0.98378	50	PASS		
3V	102	22.00	216.987500	216.987327	0.79728	50	PASS		
3V	120	22.00	216.987500	216.987320	0.82954	50	PASS		
3V	138	22.00	216.987500	216.987280	1.01388	50	PASS		
2A	102	22.00	216.025000	216.024860	0.64807	50	PASS		
2A	120	22.00	216.025000	216.024880	0.55549	50	PASS		
2A	138	22.00	216.025000	216.024787	0.98600	50	PASS		
2K	102	21.90	216.525000	216.524807	0.89135	50	PASS		
2K	120	22.00	216.525000	216.524773	1.04838	50	PASS		
2K	138	21.90	216.525000	216.524787	0.98372	50	PASS		
2V	102	22.00	216.975000	216.974747	1.16603	50	PASS		
2V	120	21.90	216.975000	216.974780	1.01394	50	PASS		
2V	138	21.90	216.975000	216.974833	0.76967	50	PASS		

Note: Nominal Voltage is 120Vac 60Hz

5.7 Unwanted Conducted Emissions

5.7.1 General

Unwanted emissions limits are often specified differently at frequencies immediately adjacent to the channel, block, or band edge than they are for emissions at frequencies well removed from the band edge. The limits for emissions close to the authorized channel, band, or block, often referred to as out-of-band emissions (OOBE) or band-edge emissions, may be specified in terms of a reference bandwidth (i.e., constituting a PSD limit) and/or an emission limit that varies with the frequency offset from the edge of the channel, band, or block. At frequencies well removed from the channel, band, or block edge, the limit is typically fixed.

In such cases, two separate sets of measurements will be required to demonstrate compliance to the applicable limit(s); one set to examine emissions within the frequency range immediately adjacent to the channel, block, or band edge (i.e., band-edge or out-of-band emissions) which will likely require finer resolution, and a second set to examine the remaining unwanted emissions (i.e., spurious emissions) on all remaining frequencies. It is not necessary to duplicate the measurement of unwanted emissions over the out-of-band emissions range when performing the separate spurious emissions measurement.

The appropriate frequency demarcation between the band-edge (out-of-band) emission domain and the remaining unwanted (spurious) emissions range will vary according to the applicable regulatory specifications.

For some radio services, the band-edge (out-of-band) technical requirements are specified by stepped emissions limits expressed as a function of frequency or frequency offset (i.e., an emissions mask). The spurious emission limits beyond the mask specifications are typically fixed (i.e., not frequency-dependent).

In those cases where the emission limits are specified relative to a frequency offset from the block, band, or channel edge, out-of-band emissions measurements shall include a span over the frequency region beginning at the block, band, or channel edge frequency (band-edge), and extending out to the frequency at which the spurious region begins (i.e., the point where the emission limit is specified relative to a fixed reference bandwidth), typically several reference bandwidths distant from the block, band, or channel edge.

In all cases, the frequency range for the band-edge or emission mask measurements shall be selected such that compliance with the applicable emission limit(s) can be demonstrated at the block/band/channel-edge frequencies and beyond as specified in the relevant regulations. Spectrum plots shall be included in the report for demonstrating compliance with all of the applicable emissions limits.

5.7.3 Out-of-band unwanted emissions measurements

- a) Set the spectrum analyzer center frequency to the block, band, or channel edge frequency.
- b) Set the span wide enough to capture the fundamental emission closest to the authorized block or band edge, and to include all modulation products that spill into the immediately adjacent frequency band. In some cases, it may be possible to set the center frequency and span so as to encompass the fundamental emission and the unwanted out-of-band (band-edge) emissions on either side of the authorized block, band, or channel. This can be accomplished with a single (slow) sweep, if adequate overload protection and sufficient dynamic range can be maintained.
- c) Set the number of points in sweep $\geq 2 \times \text{span} / \text{RBW}$.
- d) Sweep time should be auto for peak detection. For rms detection the sweep time should be set as follows:
 - 1) If the device can be configured to transmit continuously (duty cycle $\geq 98\%$), set the (sweep time) $> (\text{number of points in sweep}) \times (\text{symbol period})$ (e.g., by a factor of $10 \times \text{symbol period} \times \text{number of points}$). Increasing the sweep time (i.e., slowing the sweep speed) will allow for averaging over multiple symbols
 - 2) If the device cannot transmit continuously (duty cycle $< 98\%$), a gated sweep shall be used when possible (i.e., gate triggered such that the analyzer only sweeps when the device is transmitting at full power), set the sweep time $> (\text{number of points in sweep}) \times (\text{symbol period})$ but the sweep time shall always be maintained at a value that is less than or equal to the minimum transmission time.
 - 3) If the device cannot be configured to transmit continuously (duty cycle $< 98\%$) and a free running sweep must be used, set the sweep time so that the averaging is performed over multiple on/off cycles by setting the sweep time $> (\text{number of points in sweep}) \times (\text{transmitter period})$ (i.e., the transmit on-time + the off-time). The spectrum analyzer readings shall subsequently be corrected by $[10 \log (1/\text{duty cycle})]$. This assumes that the transmission period and duty cycle is relatively constant (duty cycle variation $\leq \pm 2\%$).
 - 4) If the device cannot be configured to transmit continuously and a free-running sweep must be used, and if the transmissions exhibit a non-constant duty cycle (duty cycle variations $> \pm 2\%$), set the sweep time so that the averaging is performed over the on-period by setting the sweep time $> (\text{symbol period}) \times (\text{number of points})$, while also maintaining the sweep time $< (\text{transmitter on-time})$. The trace mode shall be set to max hold, since not every display point

will be averaged only over just the on-time. Thus, multiple sweeps (e.g., 100) in maximum hold are necessary to ensure that the maximum power is measured.

- e) The test report shall include the plots of the measuring instrument display and the measured data.

95.2179 LPRS unwanted emission limits.

The requirements in this section apply to each LPRS transmitter type both with and without the connection of attachments, such as an external microphone, power cord and/or antenna.

- (a) Emission masks. Emission masks applicable to transmitting equipment in the LPRS are defined by the requirements in the following table. The numbers in the paragraphs column refer to attenuation requirement rule paragraph numbers under paragraph (b) of this section.

Channels	Paragraphs
standard band 35 kHz	(3), (4)
extra band 50 kHz	(5), (6)

- (b) Attenuation requirements. The power of unwanted emissions must be attenuated below the transmitter output power in Watts (P) by at least:

- (3) 30 dB on any frequency removed from the channel center frequency by 12.5 kHz to 22.5 kHz.
- (4) $43 + 10 \log (P)$ dB on any frequency removed from the channel center frequency by more than 22.5 kHz.
- (5) 30 dB on any frequency removed from the channel center frequency by 25 kHz to 35 kHz.
- (6) $43 + 10 \log (P)$ dB on any frequency removed from the channel center frequency by more than 35 kHz.

$$\text{Watts}(P) = 0.100$$

$$43 + 10\log(0.1)\text{dB} = \mathbf{33\text{dB}}$$

$$20\text{dBm} - 33\text{dB} = -13\text{dbm} = 0.050\text{mW} = \text{Limit}$$

- (c) Measurement conditions and procedures. The power of unwanted emissions in the frequency bands specified in paragraphs (b)(1), (3), (5), and (7) of this section is measured with a reference bandwidth of 300 Hz. The power of unwanted emissions in the frequency ranges specified in paragraphs (b)(2), (4), (6), and (8) is measured with a reference bandwidth of at least 30 kHz.

For RSS-210 the following applies:

Mask C

- (i) 30 dB for emissions at 12.5 kHz to 22.5 kHz away from the channel centre frequency
- (ii) $55 + 10 \log_{10} p$ dB or to the general field strength limits specified in RSS-Gen, whichever is less stringent, for emissions at frequencies greater than 22.5 kHz away from the channel centre frequency

Mask D

- (i) 30 dB for emissions at 25 kHz to 35 kHz away from the channel centre frequency
- (ii) $55 + 10 \log_{10} p$ dB or to the general field strength limits specified in RSS-Gen, whichever is less stringent, for emissions at frequencies more than 35 kHz away from the channel centre frequency
- (iii) The device's user manual, in addition to the user manual requirements of RSS-Gen, shall contain the following or equivalent notice:

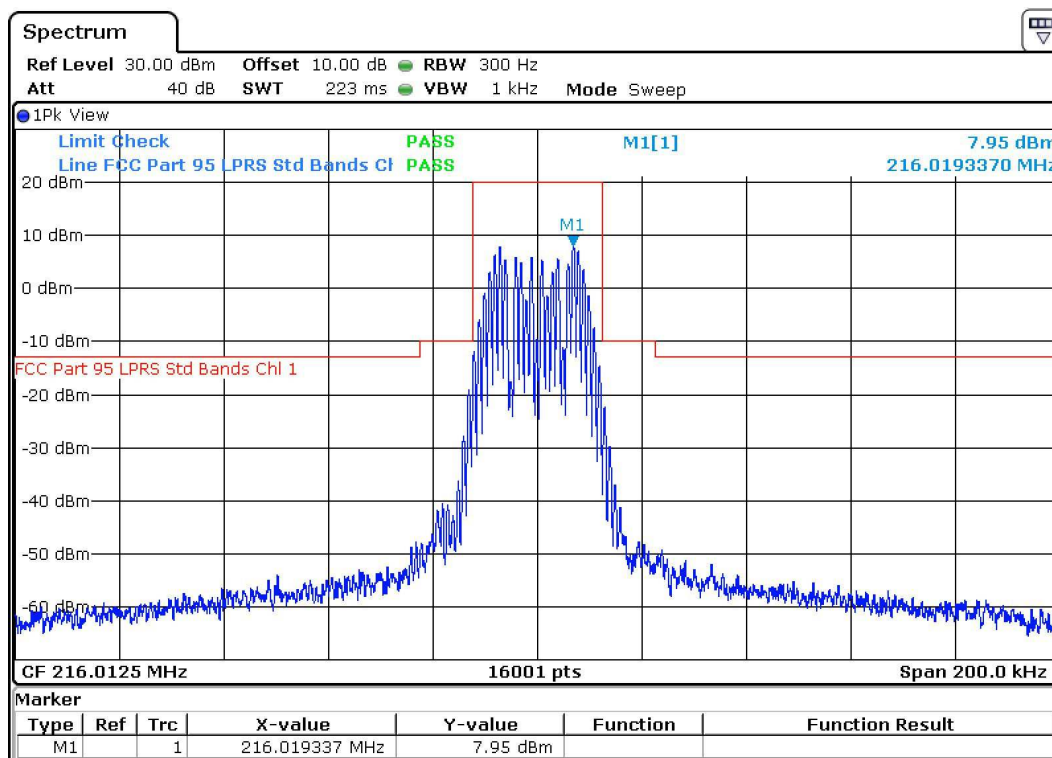
*If TV channel 13 (210-216 MHz) is used in the area, the installer shall reduce or adjust the radio frequency radiated power so that nearby TV channel 13 receivers do not receive radio interference from the system installed. **Suggestions:** A test with a TV receiver equipped with a "rabbit-ear antenna" and tuned to channel 13 should be conducted at the perimeter of the user's intended coverage area and should not overlap other user(s)' areas without the user(s)' consent. If this does not resolve the problem, a channel near the 217 MHz edge and not near 216 MHz should be used.*

Watts (P) = 0.100

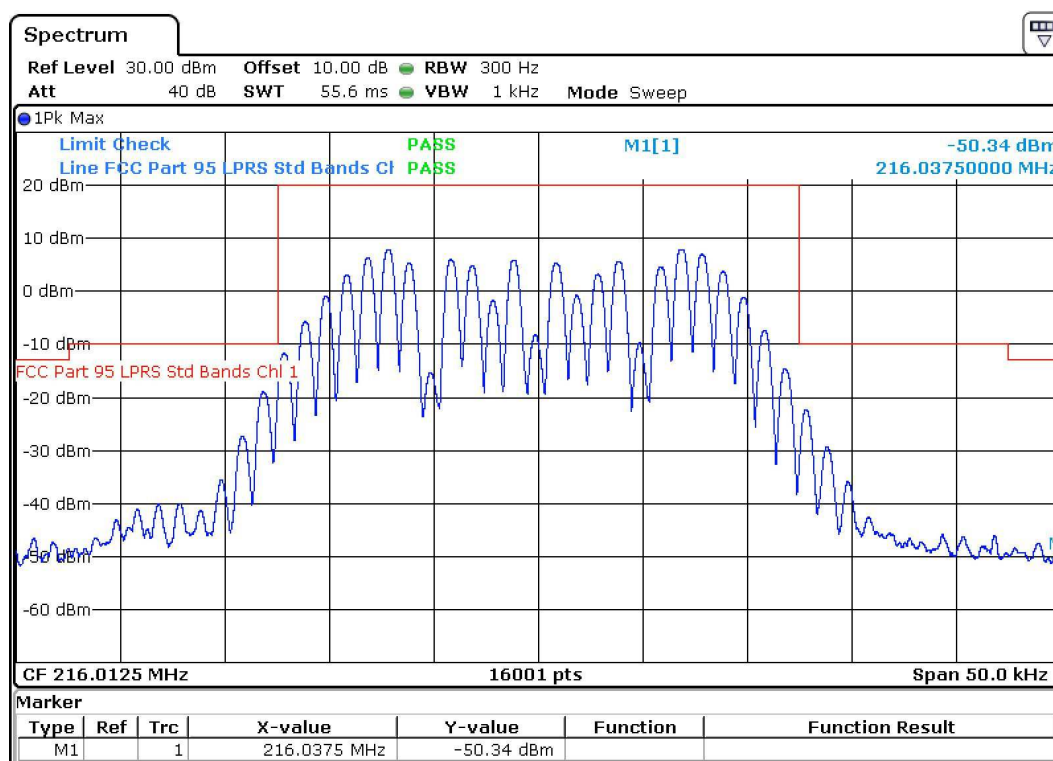
$55 + 10\log(0.1)\text{dB} = \mathbf{45\text{dB}}$

$20\text{dBm} - 45\text{dB} = -25\text{dbm} = 0.00316\text{mW} = \text{Limit}$

		1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		Out Of Band Emissions			
DNB Job Number:		46009		Date:		2 Aug 2023	
Customer:		Listen Tech Corp		Specification ☒ 95.2179 ☒ RSS-210 Annex C ☒ ANSI		C63.26-2015 Part III	
Model Number:		LT-800-216					
Description:		Assisted Listening Technology Device Standard Band Low Channel					
EUT is in conformance with FCC 95.2179				X	YES	NO	Signed



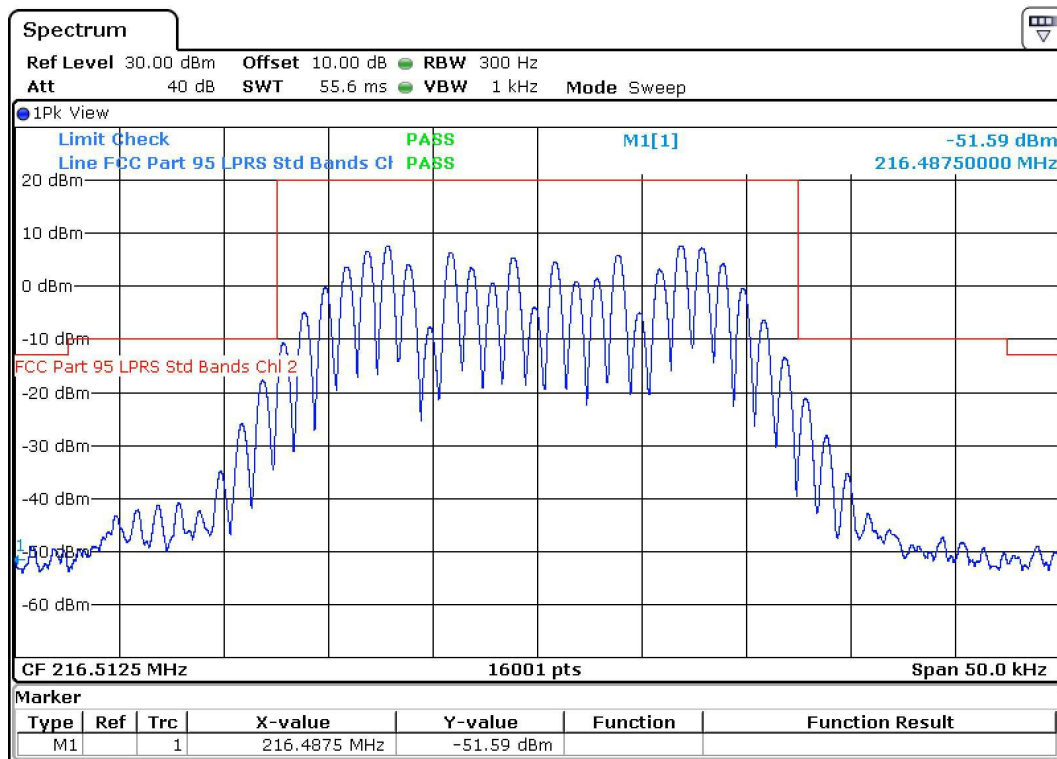
		1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		Out Of Band Emissions			
DNB Job Number:		46009		Date:		2 Aug 2023	
Customer:		Listen Tech Corp					
Model Number:		LT-800-216					
Description:		Assisted Listening Technology Device					
		Standard Band Low Channel - Reduced Span					
EUT is in conformance with FCC 95.2179				X	YES		NO
				Signed	[X] 95.2179 [X] RSS-210 Annex C [X] ANSI C63.26:2015 2015		



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Out Of Band Emissions

DNB Job Number:	46009	Date: 2 Aug 2023			Specification [X] 95.2179 [X] RSS-210 Annex C [X] ANSI		
Customer:	Listen Tech Corp						
Model Number:	LT-800-216						
Description:	Assisted Listening Technology Device Standard Band Middle Channel - Reduced Span						
EUT is in conformance with FCC 95.2179		X	YES		NO	Signed	C63.2179-2015



		1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		Out Of Band Emissions			
DNB Job Number:		46009		Date:		2 Aug 2023	
Customer:		Listen Tech Corp					
Model Number:		LT-800-216					
Description:		Assisted Listening Technology Device					
		Standard Band High Channel					
EUT is in conformance with FCC 95.2179				X	YES	NO	Signed
				Specification ☒ 95.2179 ☒ RSS-210 Annex C ☒ ANSI C63.26-2015 Part III			

