





# FCC Part 15.247 TEST REPORT

For

## **Superior Electronics Corporation**

No.10, Lane 31, Chongde St., Sinyi District, Taipei City 110, Taiwan (R.O.C.)

FCC ID: K4E951T4

Report Type	Original Report
Product Name:	High Frequency Long Range Remote Transmitter
Model Name:	HL-951T4-SQ
Series Model Name:	HL-951T1-SQ; HL-951T2-SQ; HL-951T3-SQ; HL- 951T1-SUQ; HL-951T2-SUQ; HL-951T3-SUQ; HL- 951T4-SUQ
Report Number :	RLK191119001-00A
Report Date :	2019/12/26
Reviewed By :	Flight Hsieh Flight Hsieh

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**Note**: This test report is prepared for the customer shown above and for the device described herein. It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

# **Revision History**

Revision	Revision Report Number		Description
1.0	RLK191119001-00A	2019/12/26	Original Report

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#### 1 General Information

#### 1.1 Product Description for Equipment under Test (EUT)

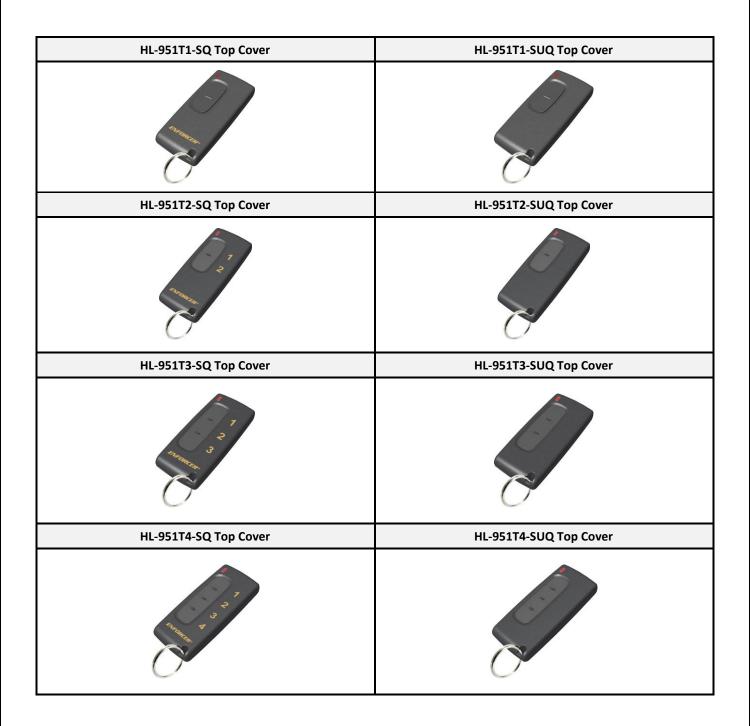
Applicant	Superior Electronics Corporation No.10, Lane 31, Chongde St., Sinyi District, Taipei City 110, Taiwan (R.O.C.)
Manufacturer	Superior Electronics Corporation No.10, Lane 31, Chongde St., Sinyi District, Taipei City 110, Taiwan (R.O.C.)
Brand Name	ENFORCER
Product (Equipment)	High Frequency Long Range Remote Transmitter
Model Name	HL-951T4-SQ
Serial Model	HL-951T1-SQ; HL-951T2-SQ; HL-951T3-SQ; HL-951T1-SUQ; HL-951T2- SUQ; HL-951T3-SUQ; HL-951T4-SUQ
Model Discrepancy	HL-951T4-SQ is four buttons with logo HL-951T3-SQ is three buttons with logo HL-951T1-SQ is two buttons with logo HL-951T1-SQ is one buttons with logo HL-951T4-SUQ is four buttons with no logo HL-951T3-SUQ is three buttons with no logo HL-951T2-SUQ is two buttons with no logo HL-951T1-SUQ is one buttons with no logo Note: Please see below Model Discrepancy
Frequency Range	917 MHz
Number of Channels	1 Channel
Output Power	-0.84 dBm (0.0008 W)
Modulation Type	GFSK
Received Date	Nov. 20, 2019
Date of Test	Nov. 26, 2019 ~ Dec. 03, 2019

<sup>\*</sup>All measurement and test data in this report was gathered from production sample serial number: 191119001 (Assigned by BACL, LinKou).

The major electrical and mechanical constructions of series models are identical to the basic model, except different logo (laser print) on the bottom and out view case for buttons number (Please see below plot). The model, HL-951T4-SQ is the testing sample, and the final test data are shown on this test report.

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<sup>\*</sup>Model Discrepancy,



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#### 1.2 Operation Condition of EUT

	AC 120 V/60 Hz Adapter By Power Cord.
Power Operation (Voltage Range)	<ul> <li>☑ DC Type</li> <li>☑ DC Power Supply</li> <li>☑ Battery: 3Vdc</li> <li>☑ External from USB Cable</li> <li>☑ External DC Adapter</li> </ul>
	☐ Host System

#### 1.3 Objective and Test Methodology

The Objective of this Test Report was to document the compliance of the Superior Electronics Corporation. Appliance (Model: HL-951T4-SQ; HL-951T1-SQ; HL-951T3-SQ; HL-951T1-SUQ; HL-951T3-SUQ; HL-951T3-SUQ; HL-951T3-SUQ; HL-951T4-SUQ) to the requirements of the following Standards:

- Part 2, Subpart J, Part 15, Subparts A and C, section 15.247 of the Federal Communication Commission's rules.
- ANSI C63.10-2013 of t American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices.

1.4 Measurement Uncertainty

Parameter	Expanded Measurement uncertainty
RF output power	± 1.488 dB
Occupied Channel Bandwidth	± 453.927 Hz
RF Conducted Emission test	± 2.77 dB
AC Power Line Conducted Emission	± 2.66 dB
Radiated Below 1G	± 3.57 dB
Radiated Above 1G	± 5.32 dB

#### 1.5 Test Environments and Test information

Item	Test Date	Temperature (°C)	Relative Humidity (%)	Test Engineer
Radiated Test (966A)	2019-11-26	21.3	61.0	Ethan Shao
Conducted Test (TH02)	2019-12-03	21.8	54.0	Leo Cheng

#### 1.6 Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Linkou Laboratory) to collect test data is located on

No.6, Wende 2Rd., Guishan Dist., Taoyuan City 33382, Taiwan (R.O.C.).

Bay Area Compliance Laboratories Corp. (Linkou Laboratory) Lab is accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code: 3546) by Mutual Recognition Agreement (MRA). The test site has been approved by the FCC under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database. The FCC Registration No.: 0027578244. Designation No.: TW3546. The Test Firm Registration No.: 181430.

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#### 2 System Test Configuration

#### 2.1 Test Channels and Description of Worst Test Configuration

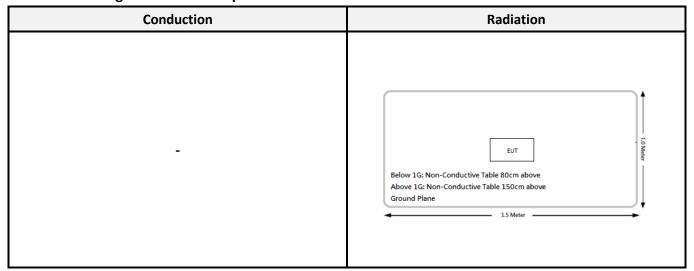
The system was configured for testing in testing mode which was provided by manufacturer.

No special accessory, No modification was made to the EUT and No special equipment used during test.

The worst-case data rates are determined to be as follows for each mode based upon investigation by measuring the Peak power and PSD across all date rates bandwidths, and modulations.

Worst Case of Power Setting				
EUT Exercise Software		By EUT		
Configuration	NTX	CH Setting		
<b>917 MHz</b> 1		Default		

### 2.2 Block Diagram of Test Setup

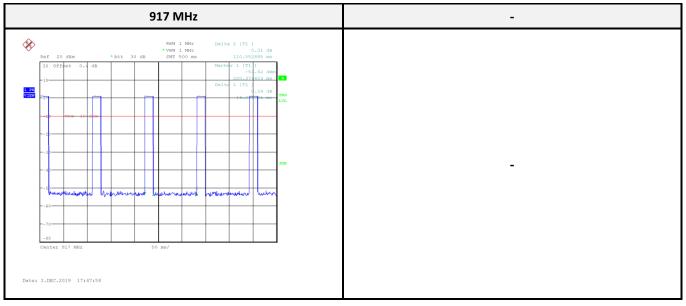


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#### 2.3 Duty Cycle

All measurements are to be performed with the EUT transmitting at 100% duty cycle at its maximum power control level; however, if 100% duty cycle cannot be achieved, measurements of duty cycle, x, and maximum power transmission duration, T, are required for each tested mode of operation.

Configuration	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Factor (dB)
917 MHz	19.2067	110.5529	17.37	7.6



\*Note: Duty Factor = 10\*log (1/Duty cycle)

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#### **FCC Rules Description of Test** Result §15.247(i), §1.1307, § 2.1093 RF Exposure Compliance §15.203 Antenna Requirement Compliance §15.207(a) **AC Line Conducted Emissions Not Appliance** §15.205, §15.209, §15.247(d) **Spurious Emissions** Compliance Compliance §15.247(a)(2) 6 dB Emission Bandwidth §15.247(b)(3) Maximum Peak Output Power Compliance §15.247(d) 100 kHz Bandwidth of Frequency Band Edge Compliance §15.247(e) **Power Spectral Density** Compliance

Not Appliance: EUT Power by Battery.

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#### 4 FCC §15.247(i), §1.1307, § 2.1091 – Maximum Permissible Exposure (MPE)

#### 4.1 Applicable Standard

According to FCC §2.1093 and §1.1307(b) (1), systems operating under the provisions of this section shall be operated in a manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission's guideline. According to KDB 447498 D01 General RF Exposure Guidance v06

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] ·

 $[Vf(GHz)] \le 3.0$  for 1-g SAR and  $\le 7.5$  for 10-g extremity SAR, where

- 1. f(GHz) is the RF channel transmit frequency in GHz.
- 2. Power and distance are rounded to the nearest mW and mm before calculation.
- 3. The result is rounded to one decimal place for comparison.
- 4. 3.0 and 7.5 are referred to as the numeric thresholds in the step 2 below

The test exclusions are applicable only when the minimum test separation distance is  $\leq$  50 mm, and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm according to 4.1 f) is applied to determine SAR test exclusion.

#### 4.2 RF Exposure Evaluation Result

#### **RF Exposure Evaluation:**

Frequency	requency Tunp-up Power		Evaluation Distance (mm)	SAR Exclusion Result	Extremity SAR Exclusion Limit
(101112)	(dBm)	(mW)	()	Result	(10g SAR)
917	0	0.8	5	0.19	7

**Result:** SAR evaluation is not necessary.

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#### 5 FCC §15.203 - Antenna Requirements

#### 5.1 Applicable Standard

According to § 15.203, 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 user of a standard antenna jack or electrical connector is prohibited.

And according to FCC 47 CFR section 15.247 (b), if the transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna does not exceed 6dBi

#### 5.2 Antenna List and Details

Brand	Model	Antenna Type	Antenna Gain	Result
ENFORCER	917MHz	Chip	0.8 dBi	Compliance

The EUT has an internal antenna arrangement, which was permanently attached, fulfill the requirement of this section.

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#### 6 FCC §15.209, §15.205, §15.247(d) – Spurious Emissions

#### 6.1 Applicable Standard

As per FCC §15.35(d): Unless otherwise specified, on any frequency or frequencies above 1000 MHz, the radiated emission limits are based on the use of measurement instrumentation employing an average detector function. Unless otherwise specified, measurements above 1000 MHz shall be performed using a minimum resolution bandwidth of 1MHz.

As Per FCC §15.205(a) except as show in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090-0.110	13.36-13.41	399.9-410	4.5-5.15
0.495-0.505	16.42-16.423	608-614	5.35-5.46
2.1735-2.1905	16.69475-16.69525	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	Above 38.6

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As per FCC §15.209(a): Except as provided elsewhere in this Subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

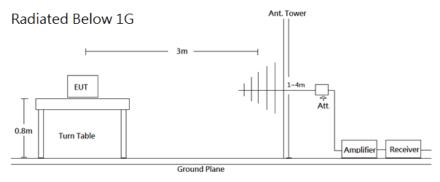
Frequency (MHz)	Field Strength (micro volts/meter)	Measurement Distance (meters)
0.009 - 0.490	2400/F(kHz)	300
0.490 - 1.705	24000/F(kHz)	30
1.705 - 30.0	30	30
30 - 88	100**	3
88 - 216	150**	3
216 - 960	200**	3
Above 960	500	3

<sup>\*\*</sup> Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this Section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806MHz. However, operation within these frequency bands is permitted under other sections of this Part, e.g., Sections 15.231 and 15.241.

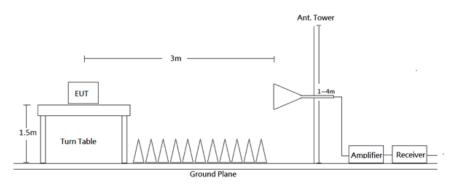
As per FCC §15.247 (d) In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c).

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#### 6.2 EUT Setup and Test Procedure



Radiated Above 1G



Radiated emission tests were performed in the 3 meters chamber test site, using the setup accordance with the ANSI C63.10-2013. The specification used was the FCC Part 15.209 and FCC 15.247 Limits.

The system was investigated from 30 MHz to 10 GHz. During the radiated emission test, the EMI test receiver was set with the following configurations measurement method 6.3 in ANSI C63.10.

Frequency Range	RBW	VBW	Duty cycle	Measurement method
30-1000 MHz	<b>000 MHz</b> 120 kHz / -		QP	
	1 MHz	3 MHz	-	PK
Above 1 GHz	1 MHz	10 Hz	>98%	Ave
	1 MHz	1/T	<98%	Ave

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations. All data was recorded in the Quasi-peak detector mode from 30 MHz to 1 GHz and PK and average detector modes for frequencies above 1 GHz.

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#### 6.3 Test Equipment List and Details

Description	Manufacture	Model	Serial No.	Cal. Date.	Cal. Due.				
Radiation 3M Room (966A)									
Active Loop	EMCO	6502	0001-3322	2019/03/15	2020/03/14				
Bilog Antenna/6 dB Attenuator	SUNOL SCIENCES & EMEC /EMCI	JB3/N-6-06	A111513/AT-N0668	2019/03/29	2020/03/28				
Signal and Spectrum Analyzer	Rohde & Schwarz	FSV40	101434	2019/04/17	2020/04/16				
Horn Antenna	ETS-Lindgren	3115	00109141	2019/07/05	2020/07/04				
Horn Antenna	ETS-Lindgren	3160-09	00123852	2019/07/11	2020/07/10				
Preamplifier	A.H. Systems	PAM-1840VH	174	2019/02/18	2020/02/17				
Preamplifier	A.H. Systems	PAM-0118	478	2019/03/28	2020/03/27				
Microflex Cable (1m)	EMCI	EMC106-SM-SM-2000	180515	2019/08/07	2020/08/06				
Microflex Cable (2m)	MTJ	H0919	00000-MT28A-100	2019/08/07	2020/08/06				
Microflex Cable (8m)	UTIFLEX	UFA210A-1-3149- 300300	MFR 64639 232490- 001	2019/08/07	2020/08/06				
Turn Table	Chaintek	T-200-S-1	003501	N.C.R	N.C.R				
Antenna Tower	Chaintek	MBD-400-1	003504	N.C.R	N.C.R				
Controller	Chaintek	3000-1	003507	N.C.R	N.C.R				
Software	Audix	e3 v9	E3LK-01	N.C.R	N.C.R				
	Conducted Room(TH-02)								
Signal Analyzer 40GHZ	Rohde & Schwarz	FSV40-N	102248	2019/09/11	2020/09/10				
Cable	MTJ	MT40S	620620-MT40S-100	2018/12/28	2019/12/27				

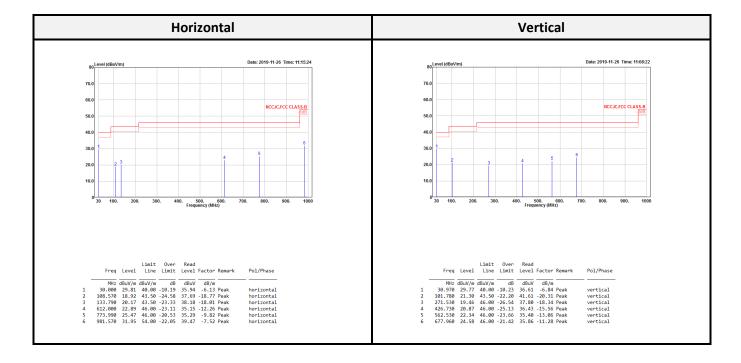
<sup>\*</sup>Statement of Traceability: The testing equipment's listed above have finished the calibration by Electronics Testing Center, Taiwan (ETC) or other laboratories which were accredited by TAF or equivalent organizations. The calibration result could be traceable to the International System of Units (SI).

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#### 6.4 Test Result

Transmitting mode (Pre-scan with three orthogonal axis, and worse case as X axis)

#### Below 1G (30 MHz-1 GHz) test the worst mode with FDK Battery



Note1: Transmit mode

Note2:

Level = Read Level + Factor

Over Limit = Level - Limit

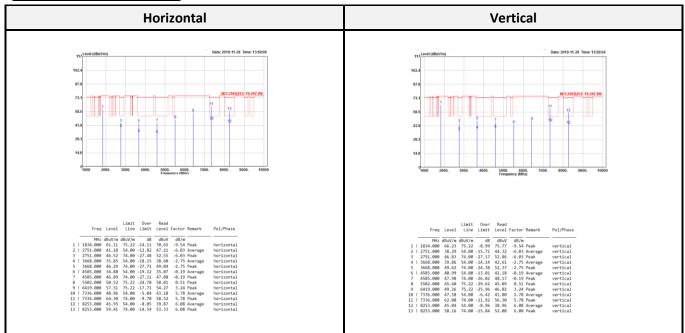
Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain

Spurious emissions more than 20 dB below the limit were not reported

#### **Band Edge**

	Horizontal				Vertical								
	Limit	0ver	Read						Limit	0ver	Read		
Freq Level	Line	Limit	Level	Factor	Remark		Freq	Level	Line	Limit	Level	Factor	Remark
MHz dBuV/m	dBuV/m	dB	dBuV	dB/m		-	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
916.850 94.81	46.00	48.81	103.27	-8.46	Average	:							Average
916.850 95.22	66.00	29.22	103.68	-8.46	Peak	:	916.850	84.38	66.00	18.38	92.84	-8.46	Peak

### Above 1G (1 GHz-10 GHz)



Note1: Transmit mode

Note2:

Level = Read Level + Factor

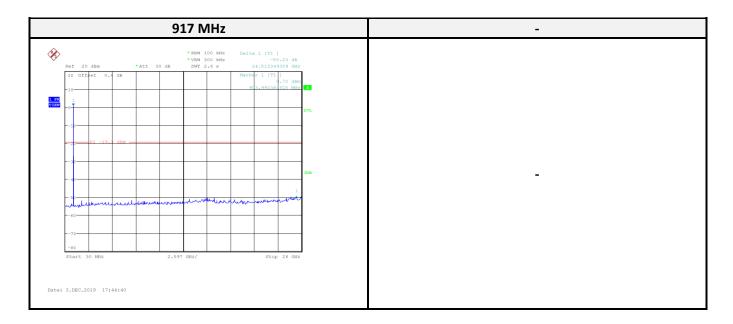
Over Limit = Level - Limit

Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain

Spurious emissions more than 20 dB below the limit were not reported

**Conducted Spurious Emissions:** 

Frequency (MHz)	Delta Peak to Band Emission (dBc)	Limit (dBc)	Result	
917	50.23	≥ 20	Compliance	



#### 7 FCC §15.247(a)(2) – 6 dB Emission Bandwidth

#### 7.1 Applicable Standard

According to FCC §15.247(a) (2),

Systems using digital modulation techniques may operate in the 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.

#### 7.2 Test Procedure

According to ANSI C63.10-2013, the steps for the first option are as follows:

- (1) Set RBW = 100 kHz. (2) Set the VBW  $\geq$  [3 × RBW]. (3) Detector = peak. (4) Trace mode = max hold.
- (5) Sweep = auto couple. (6) Allow the trace to stabilize. (7) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

#### 7.3 Test Equipment List and Details

Description	Manufacture	Model	Serial No.	Cal. Date.	Cal. Due.			
Conducted Room(TH-02)								
Signal Analyzer 40GHZ	Rohde & Schwarz	FSV40-N	102248	2019/09/11	2020/09/10			
Cable	MTJ	MT40S	620620-MT40S-100	2018/12/28	2019/12/27			

<sup>\*</sup>Statement of Traceability: The testing equipment's listed above have finished the calibration by Electronics Testing Center, Taiwan (ETC) or other laboratories which were accredited by TAF or equivalent organizations. The calibration result could be traceable to the International System of Units (SI).

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#### 7.4 Test Results

Frequency 6 dB BW (MHz) (MHz)		6dB Limit (MHz)	Result
917	0.55	> 0.5	Compliance



#### 8 FCC §15.247(b) (3) – Maximum Output Power

#### 8.1 Applicable Standard

According to FCC §15.247(b) (3),

Systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt.

As an alternative to a peak power measurement, compliance with the one Watt limit can be based on a measurement of the maximum conducted output power. Maximum Conducted Output Power is defined as the total transmit power delivered to all antennas and antenna elements averaged across all symbols in the signaling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements. The average must not include any time intervals during which the transmitter is off or is transmitting at a reduced power level. If multiple modes of operation are possible (e.g., alternative modulation methods), the maximum conducted output power is the highest total transmit power occurring in any mode.

#### 8.2 Test Procedure

- (1) Place the EUT on a bench and set it in transmitting mode.
- (2) Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to measuring equipment. (3). Add a correction factor to the display.

#### 8.3 Test Equipment List and Details

Description	Manufacture	Model	Serial No.	Cal. Date.	Cal. Due.			
Conducted Room(TH-02)								
Power Sensor	Agilent	U2021XA	MY54250014	2019/03/06	2020/03/05			
Cable	MTJ	MT40S	620620-MT40S-100	2018/12/28	2019/12/27			

<sup>\*</sup>Statement of Traceability: The testing equipment's listed above have finished the calibration by Electronics Testing Center, Taiwan (ETC) or other laboratories which were accredited by TAF or equivalent organizations. The calibration result could be traceable to the International System of Units (SI).

#### 8.4 Test Results

Frequency	Maximum Peak	Maximum Peak	Limit	Result
(MHz)	Output Power (dBm)	Output Power (W)	(dBm)	
917	-0.84	0.0008	30	Compliance

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#### 9 FCC §15.247(d) – 100 kHz Bandwidth of Frequency Band Edge

#### 9.1 Applicable Standard

According to FCC §15.247(d),

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits.

If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.

Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

#### 9.2 Test Procedure

- (1) Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
- (2) Position the EUT without connection to measurement instrument. Turn on the EUT and connect its antenna terminal to measurement instrument via a low loss cable. Then set it to any one measured frequency within its operating range, and make sure the instrument is operated in its linear range.
- (3) Set RBW to 100 kHz and VBW of spectrum analyzer to 300 kHz with a convenient frequency span including 100 kHz bandwidth from band edge.
- (4) Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency.

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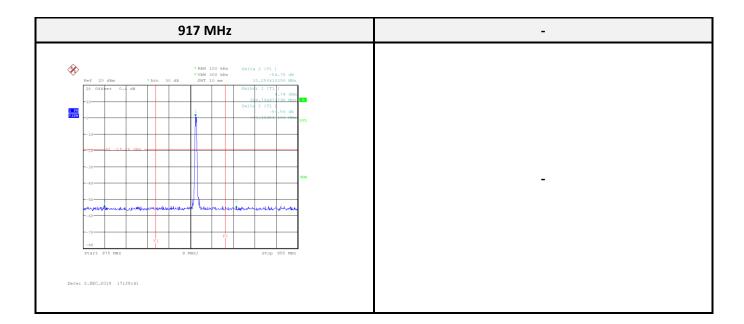
#### 9.3 Test Equipment List and Details

Description	Description Manufacture		Manufacture Model Serial No.		Cal. Date.	Cal. Due.	
Conducted Room(TH-02)							
Signal Analyzer 40GHZ	Rohde & Schwarz	FSV40-N	102248	2019/09/11	2020/09/10		
Cable	MTJ	MT40S	620620-MT40S-100	2018/12/28	2019/12/27		

<sup>\*</sup>Statement of Traceability: The testing equipment's listed above have finished the calibration by Electronics Testing Center, Taiwan (ETC) or other laboratories which were accredited by TAF or equivalent organizations. The calibration result could be traceable to the International System of Units (SI).

#### 9.4 Test Results

Frequency (MHz)	I Rand Emission I		Result
917	54.75	≥ 20	Compliance



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#### 10 FCC §15.247(e) - Power Spectral Density

#### 10.1 Applicable Standard

According to FCC §15.247(e),

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density.

#### 10.2 Test Procedure

According to ANSI C63.10-2013,

- (1) Set analyzer center frequency to DTS channel center frequency.
- (2) Set the span to 1.5 times the DTS bandwidth. (3) Set the RBW to 3 kHz  $\leq$  RBW  $\leq$  100 kHz.
- (4) Set the VBW  $\geq$  [3 × RBW]. (5) Detector = peak. (6) Sweep time = auto couple.
- (7) Trace mode = max hold. (8) Allow trace to fully stabilize.
- (9) Use the peak marker function to determine the maximum amplitude level within the RBW.
- (10) If measured value exceeds requirement, then reduce RBW (but no less than 3 kHz) and repeat.

#### 10.3 Test Equipment List and Details

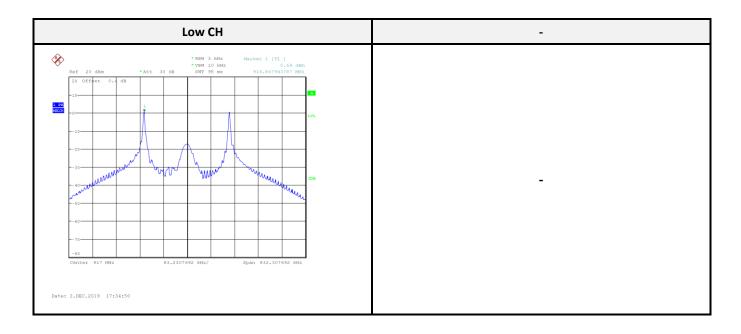
Description	Manufacture	Model	Serial No.	Cal. Date.	Cal. Due.			
Conducted Room(TH-02)								
Signal Analyzer 40GHZ	Rohde & Schwarz	FSV40-N	102248	2019/09/11	2020/09/10			
Cable	MTJ	MT40S	620620-MT40S-100	2018/12/28	2019/12/27			

<sup>\*</sup>Statement of Traceability: The testing equipment's listed above have finished the calibration by Electronics Testing Center, Taiwan (ETC) or other laboratories which were accredited by TAF or equivalent organizations. The calibration result could be traceable to the International System of Units (SI).

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#### 10.4 Test Results

Frequency (MHz)	PSD (dBm/3 kHz)	Limit (dBm/3 kHz)	Result
917	0.64	8	Compliance



---- END OF REPORT -----

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