RF TEST REPORT



Report No.: FCC_IC_RF_SL18032902-ZBR-011_BLE

Supersede Report No.:

Applicant	•	Zebra Technologies Corporation
Host Product Name		Mobile Thermal Printer
Module Model No.		WYSBHVGXG
Host Model No.	:	ZQ610 and ZQ620
Test Standard		47 CFR 15.247
rest Standard	•	RSS247 Issue 2, 2017
		ANSI C63.10: 2013
Test Method	:	RSS Gen Iss 4: Nov 2014
		558074 D01 DTS Meas Guidance v04
FCC ID	:	I28MD-FXLAN11AC
IC ID		3798B-FXLAN11AC
Dates of test		04/19/2018 – 04/24/2018
Issue Date		04/30/2018
Test Result		□ Pass □ Fail
Equipment complied with the specification	on	[X]
Equipment did not comply with the specification []		

This Test Report is Issued Under the Authority of:	
Radana	α
Rachana Khanduri	Chen Ge
Test Engineer	Engineer Reviewer

Issued By:
SIEMIC Laboratories
775 Montague Expressway, Milpitas, 95035 CA





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Laboratory Introduction

SIEMIC, headquartered in the heart of Silicon Valley, with superior facilities in US and Asia, is one of the leading independent testing and certification facilities providing customers with one-stop shop services for Compliance Testing and Global Certifications.



In addition to testing and certification, SIEMIC provides initial design reviews and compliance management throughout a project. Our extensive experience with China, Asia Pacific, North America, European, and International compliance requirements, assures the fastest, most cost effective way to attain regulatory compliance for the global markets.

Accreditations for Conformity Assessment

Accidations for comornity Assessment				
Country/Region	Accreditation Body	Scope		
USA	FCC, A2LA	EMC, RF/Wireless, Telecom		
Canada	IC, A2LA, NIST	EMC, RF/Wireless, Telecom		
Taiwan	BSMI, NCC, NIST	EMC, RF, Telecom, Safety		
Hong Kong	OFTA, NIST	RF/Wireless, Telecom		
Australia	NATA, NIST	EMC, RF, Telecom, Safety		
Korea	KCC/RRA, NIST	EMI, EMS, RF, Telecom, Safety		
Japan	VCCI, JATE, TELEC, RFT	EMI, RF/Wireless, Telecom		
Mexico	NOM, COFETEL, Caniety	Safety, EMC, RF/Wireless, Telecom		
Europe	A2LA, NIST	EMC, RF, Telecom, Safety		
Israel	MOC, NIST	EMC, RF, Telecom, Safety		

Accreditations for Product Certifications

Country	Accreditation Body	Scope
USA	FCC TCB, NIST	EMC, RF, Telecom
Canada	IC FCB, NIST	EMC, RF, Telecom
Singapore	iDA, NIST	EMC, RF, Telecom
EU	NB	EMC & Radio Equipment Directive (RED)
Japan	MIC (RCB 208)	RF, Telecom
Hong Kong	OFTA (US002)	RF, Telecom

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Report Revision History

Report No.	Report Version	Description	Issue Date
FCC_IC_RF_SL18032902-ZBR-011_BLE	None	Original	04/30/2018
	_		_

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2 **Executive Summary**

The purpose of this test program was to demonstrate compliance of following product

<u>Company:</u> Zebra Technologies Corporation

Host Product: Mobile Thermal Printer
Host Model No.: ZQ610 and ZQ620
WYSBHVGXG
WYSBHVGXG

against the current Stipulated Standards. The specified model product stated above has demonstrated compliance with the Stipulated Standard listed on 1st page.

3 Customer information

Applicant Name	Zebra Technologies Corp.
Applicant Address	3 Overlook Point, Lincolnshire, IL 60069
Manufacturer Name	Zebra Technologies Corp.
Manufacturer Address	3 Overlook Point, Lincolnshire, IL 60069

4 Test site information

Lab performing tests	SIEMIC Laboratories
Lab Address	775 Montague Expressway, Milpitas, CA 95035
FCC Test Site No.	881796
IC Test Site No.	4842D-2
VCCI Test Site No.	A0133

5 Modification

Index	Item	Description	Note
-	-	-	-

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6 EUT Information

6.1 **EUT Description**

Host Product Name	Mobile Thermal Printer
Host Model No.	ZQ610 and ZQ620
Module Model No.	WYSBHVGXG
Trade Name	Zebra
Serial No.	XXZJJ181101055
Input Power	100-240VAC,50/60Hz
Power Adapter Manu/Model	FSP025-DYAA3
Power Adapter SN	N/A
Product Hardware version	N/A
Product Software version	39869
Radio Hardware version	N/A
Radio Software version	15.68.07.p62
Date of EUT received	04/19/2018
Equipment Class/ Category	DTS
Port/Connectors	USB
Remark	NONE

6.2 Spec for BT Radio

Radio Type	Bluetooth
Operating Frequency	2402MHz-2480MHz
Modulation	GFSK (LE)
Channel Spacing	2MHz (LE)
Antenna Type	Patch Antenna
Antenna Gain	3.66dBi (for 2.4GHz)
Antenna Connector Type	U.FL connector
Remarks	2.4GHz and 5GHz Radio does not transmit simultaneously

Туре	Channel No.	Frequency (MHz)	Power Setting
Divistanth/DLC)	0	2402	Default
Bluetooth(BLE) 2402-2480MHz	19	2440	Default
2402-2400IVITZ	39	2480	Default

6.3 EUT test modes/configuration Description

Mode	Note
Bluetooth	BLE (GFSK)

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7 Supporting Equipment/Software and cabling Description

7.1 Supporting Equipment

Item	Supporting Equipment Description	Model	Serial Number	Manufacturer	Note
1	Laptop	ThinkPad T420s	N/A	Lenovo	-

7.2 Cabling Description

Name	Connecti	on Start	Connection Stop		Length / shielding Info		Note
Name	From	I/O Port	То	I/O Port	Length (m)	Shielding	Note
USB	USB	EUT	USB	Laptop	USB	2	Unshielded

7.3 Test Software Description

Test Item	Software	Description	
RF Testing	Zebra Toolbox	Set the EUT to transmit continuously in diferent test mode	

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8 Test Summary

Test Item	-	Test standard		Test Method/Procedure		
Antenna Requirement	FCC	15.203	FCC	ANSI C63.10 – 2013	□ Pass	
Antenna Requirement	IC	•	IC	558074 D01 DTS Meas. Guidance v03r02	□ N/A	
Restricted Band of	FCC	15.205	FCC	ANSI C63.10:2013	□ Pass	
Operation	IC	RSS Gen 8.10 IC 558074 D01 DTS Meas Guidance v04		□ N/A		
AC Conducted Emissions	FCC	15.207(a)	FCC	ANSI C63.10:2013	⊠ Pass*	
AC Conducted Emissions	IC	RSS Gen 8.8	IC	RSS Gen Issue 4: 2014	□ N/A	

DTS Band Requirement

Remark

DIS Band Requirement						
Test Item	-	Test standard		Test Method/Procedure		
99% Occupied Bandwidth	-	-	-	-	⊠ Pass*	
33 / Occupied Bandwidth	IC	RSS Gen 6.6	IC	RSS Gen Issue 4: 2014	□ N/A	
6dB Bandwidth	FCC	15.247(a)(2)	FCC	558074 D01 DTS Meas Guidance v04	⊠ Pass*	
oub bandwidth	IC	RSS247 (5.2.1)	IC	330074 BOT BTO Weas Guidance von	□ N/A	
Band Edge and Radiated	FCC	15.247(d)	FCC	ANSI C63.10:2013	⊠ Pass □ N/A	
Spurious Emissions	IC	RSS247 (5.5)	IC	558074 D01 DTS Meas Guidance v04		
Output Power	FCC	15.247(b)	FCC	558074 D01 DTS Meas Guidance v04	⊠ Pass *	
Output i owei	IC	RSS247 (5.4.4)	IC	330074 DOT DTO Weas Guidance vot	□ N/A	
Receiver Spurious Emissions	IC	RSS Gen (4.8)	IC	RSS Gen Issue 4: 2014	☐ Pass ☒ N/A	
Antenna Gain > 6 dBi	FCC	15.247(e)	FCC	-	□ Pass	
Antenna Gain > 0 ubi	IC	-	IC	-	⊠ N/A	
Power Spectral Density	FCC	15.247(e)	FCC	558074 D01 DTS Meas Guidance v04	⊠ Pass*	
i ower opectial Delisity	IC	RSS247 (5.2.2)	IC	330074 DOT DTS Meas Guidance V04	□ N/A	
DE Evacouro requirement	FCC	15.247(i)	FCC	-	☐ Pass	
RF Exposure requirement	IC	RSS Gen(5.5)	IC	RSS Gen Issue 4: 2014	⊠ N/A	

1. All measurement uncertainties do not take into consideration for all presented test results.

2. The applicant shall ensure frequency stability by showing that an emission is maintained within the band of operation under all normal operating conditions as specified in the user's manual.

3. Pass*: Please refer to FCC ID: I28MD-FXLAN11AC test report.

4. ZQ610 host printer was used for testing. The only difference between ZQ610 and ZQ620 is the print head size. The size of enclosures is slightly different in the neighborhood of 2" vs. 3".

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9 Measurement Uncertainty

9.1 Conducted Emissions

The test is to measure the conducted emissions to the mains port of the EUT.

Some error sources that can contribute to the total uncertainty:

- Uncertainty of the receiver
- Uncertainty of the LISN
- Uncertainty of cables
- Uncertainty due to the mismatches
- Etc, see the below table for details

Source of Uncertainty	Value (dB)	Probability Distribution	Division	Sensitivity Coefficient	Expanded Uncertainty	
Receiver Reading	0.12	Rectangular	1.732	1	0.069284	
Cable Insertion Loss	0.21	Normal	2	1	0.105	
Filter Insertion Loss	0.25	Normal	2	1	0.125	
LISN Insertion Loss	0.40	Normal	2	1	0.20	
Receiver CW accuracy	0.5	Rectangular	1.732	1	0.2886836	
Pulse Amplitude Response	1.5	Rectangular	1.732	1	0.86605081	
PRF Response	1.5	Rectangular	1.732	1	0.86605081	
Mismatch LISN - Receiver	0.25	U-Shape	1.414	1	0.1768033	
LISN Impedance	2.5	Triangular	2.449	1	1.0208248	
Combined Standard Unce	1.928133					
Expanded Uncertainty (I	Expanded Uncertainty (K=2)					

The total derived measurement uncertainty is +/- 3.86 dB.

9.2 Radiated Emissions (30MHz to 1GHz)

The test is to measure the radiated emissions of the EUT.

Some error sources that can contribute to the total uncertainty:

- Uncertainty of the receiver
- Uncertainty of the antenna
- Uncertainty of cables
- Uncertainty due to the mismatches
- NSA Calibration
- Etc., details see the below table

Source of Uncertainty	Value	Probability	Division	Sensitivity	Expanded
Source of officertainty	(dB)	Distribution	DIVISION	Coefficient	Uncertainty
Receiver Reading	0.12	Rectangular	1.732	1	0.069284
Cable Insertion Loss	0.21	Normal	2	1	0.105
Filter Insertion Loss	0.25	Normal	2	1	0.125
Antenna Factor	0.65	Normal	2	1	0.325
Receiver CW accuracy	0.5	Rectangular	1.732	1	0.2886836
Pulse Amplitude Response	1.5	Rectangular	1.732	1	0.86605081
PRF Response	1.5	Rectangular	1.732	1	0.86605081
Mismatch Filter - Receiver	0.25	U-Shape	1.414	1	0.1768033
NSA Calibration	4.0	U-Shape	1.414	1	2.8288543
Combined Standard Uncertainty					3.0059131
Expanded Uncertainty (K=2) 6.011					6.0118262

The total derived measurement uncertainty is +/- 6.00 dB.

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9.3 Radiated Emissions (1GHz to 40GHz)

The test is to measure the radiated emissions of the EUT.

Some error sources that can contribute to the total uncertainty:

- Uncertainty of the receiver
- Uncertainty of the antenna
- Uncertainty of cables
- Uncertainty due to the mismatches
- VSWR Calibration
- Etc., details see the below table

Source of Uncertainty	Value (dB)	Probability Distribution	Division	Sensitivity Coefficient	Expanded Uncertainty
Receiver Reading	0.12	Rectangular	1.732	1	0.0692840
Cable Insertion Loss	0.21	Normal	2	1	0.1050000
Filter Insertion Loss	0.25	Normal	2	1	0.1250000
Antenna Factor	0.65	Normal	2	1	0.3250000
Receiver CW accuracy	0.5	Rectangular	1.732	1	0.2886836
Pulse Amplitude Response	1.5	Rectangular	1.732	1	0.8660508
PRF Response	1.5	Rectangular	1.732	1	0.8660508
Mismatch Filter - Receiver	0.25	U-Shape	1.414	1	0.1768033
VSWR Calibration	2.0	U-Shape	1.414	1	1.4144272
Combined Standard Uncertainty					4.2363
Expanded Uncertainty (K=2)					8.4726

The total derived measurement uncertainty is +/- 8.47 dB.

9.4 RF conducted measurement

The test is to measure the RF output power from the EUT.

Some error sources that can contribute to the total uncertainty:

- Uncertainty of the Reference Level Uncertainty
- Uncertainty of variable attenuators
- Uncertainty of cables
- Uncertainty due to the mismatches

Source of Uncertainty	Value (dB)	Probability Distribution	Division	Sensitivity Coefficient	Expanded Uncertainty
Reference Level	0.12	Rectangular	1.732	1	0.069284
Cable Insertion Loss	0.21	Normal	2	1	0.105
Attenuator	0.25	Normal	2	1	0.125
Mismatch	0.25	U-Shape	1.414	1	0.1768033
Combined Standard Unce	0.476087				
Expanded Uncertainty (I	<= 2)				0.952174

The total derived measurement uncertainty is +/- 0.95 dB.



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10 Measurements, Examination and Derived Results

10.1 Antenna Requirement

Spec	Requirement	Applicable	
	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. Antenna requirement must meet at least one of the following:		
§15.203	a) Antenna must be permanently attached to the device.b) The antenna must use a unique type of connector to attach to the device.c) Device must be professionally installed. The installer shall be responsible for ensuring that the correct antenna is employed by the device.		
Remark	The EUT uses a u.fl connector for antenna connection which meet the requirement.		
Result			





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10.2 Radiated Spurious Emissions below 1GHz

Requirement(s):

Spec	Item	Requirement	Applicable
47CFR§15.247(d)	a)	Except higher limit as specified elsewhere in other section, the emissions from the low-power radio-frequency devices shall not exceed the field strength levels specified in the following table and the level of any unwanted emissions shall not exceed the level of the fundamental emission. The tighter limit applies at the band edges	\boxtimes
RSS247 (5.5)	a)	Frequency range (MHz) Field Strength (uV/m) 30 - 88 100 88 - 216 150 216 960 200 Above 960 500	
Test Setup	7/2000000000000000000000000000000000000	Semi Anechoic Chamber Radio Absorbing Material Semi Anechoic Chamber Radio Absorbing Material Antenna Ground Plane	Spectrum Analyzer
Procedure	1. 2. 3. 4.	The EUT was switched on and allowed to warm up to its normal operating condition. The test was carried out at the selected frequency points obtained from the EUT changing the entering and adjusting the antenna height in the following manner: a. Vertical or horizontal polarisation (whichever gave the higher emission leverotation of the EUT) was chosen. b. The EUT was then rotated to the direction that gave the maximum emissing. Finally, the antenna height was adjusted to the height that gave the maximum A Quasi-peak measurement was then made for that frequency point. Steps 2 and 3 were repeated for the next frequency point, until all selected frequency measured.	aracterisation. ntenna vel over a full on. num emission.
	The E	JT was scanned up to 1GHz. Both horizontal and vertical polarities were investigated	. The results
Remark	show	only the worst case.	

Test Data $\ \ \, \boxtimes \$ Yes (See below) $\ \ \, \square \ \, N/A$

Test Plot ⊠ Yes (See below) □ N/A

Test was done by Rachana Khanduri at 10m chamber.

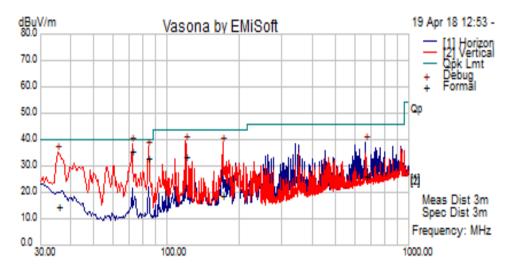
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Radiated Emission Test Results (Below 1GHz)

Test specification	below 1GHz			
	Temp (°C): 22			
Environmental Conditions:	Humidity (%)	Humidity (%) 47.5		
	Atmospheric (mbar):	1020		
Mains Power:	120VAC, 60Hz		Result	Pass
Tested by:	Rachana Khanduri			
Test Date:	04/19/2018			
Remarks:	Bluetooth LE - 2440 MHz			



Quasi Max Measurement

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
35.68	21.14	11.21	-17.94	14.41	Quasi Max	V	259	26	40	-25.59	Pass
72.03	51.90	11.60	-27.69	35.81	Quasi Max	V	121	209	40	-4.20	Pass
84.05	49.30	11.72	-28.02	33.00	Quasi Max	V	114	13	40	-7.01	Pass
119.98	44.10	12.07	-22.87	33.30	Quasi Max	V	188	113	44	-10.20	Pass
170.14	30.80	12.35	-24.15	19.01	Quasi Max	V	343	153	44	-24.49	Pass
664.99	27.87	15.03	-16.73	26.16	Quasi Max	Н	108	215	46	-19.84	Pass

Note: Both horizontal and vertical polarities were investigated. The results above show only the worst case.

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10.3 Radiated Spurious Emissions between 1GHz – 25GHz

Requirement(s):

	Item	Requirement	Applicable
47CFR§15.247(d), RSS247(A8.5)	a)	For non-restricted band, 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 or 30dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, determined by the measurement method on output power to be used. Attenuation below the general limits specified in § 15.209(a) is not required 20 dB down 30 dB down	
	b)	☐ 20 dB down ☐ 30 dB down or restricted band, emission must also comply with the radiated emission limits specified in 15.209	
Test Setup		Semi Anechoic Chamber adio Absorbing Material 3m Antenna Ground Plane	Spectrum Analyzer
Procedure	1. 2. 3. 4.	The EUT was switched on and allowed to warm up to its normal operating condition. The test was carried out at the selected frequency points obtained from the EUT char. Maximization of the emissions, was carried out by rotating the EUT, changing the ante and adjusting the antenna height in the following manner: a. Vertical or horizontal polarisation (whichever gave the higher emission level rotation of the EUT) was chosen. b. The EUT was then rotated to the direction that gave the maximum emission c. Finally, the antenna height was adjusted to the height that gave the maximum. An average measurement was then made for that frequency point. Steps 2 and 3 were repeated for the next frequency point, until all selected frequency measured.	enna polarization, over a full n. ım emission.
Remark		was scanned up to 26GHz. Both horizontal and vertical polarities were investigated. by the worst case.	The results
Result	⊠ Pass	☐ Fail	

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Test was done by Rachana Khanduri at 10m chamber.



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Radiated Emission Test Results (Above 1GHz)

BLE - 2402MHz

Frequency (MHz)	Raw (dBuV)	Cable Loss (dB)	AF (dB)	Level (dBuV/m)	Measurement Type	Pol (V/H)	Hgt (cm)	Azt (Deg)	Limit (dBuV/m)	Margin (dB)	Pass /Fail
7207.02	38.25	5.16	-0.47	42.94	Peak Max	V	298	142	74	-31.06	Pass
4804.32	39.34	3.91	-0.78	42.47	Peak Max	V	108	81	74	-31.53	Pass
17974.91	38.83	7.89	7.85	54.56	Peak Max	Н	182	291	74	-19.44	Pass
7207.02	25.93	5.16	-0.47	30.62	Average Max	V	298	142	54	-23.38	Pass
4804.32	26.83	3.91	-0.78	29.97	Average Max	V	108	81	54	-24.04	Pass
17974.91	26.76	7.89	7.85	42.49	Average Max	Н	182	291	54	-11.51	Pass

BLE - 2440MHz

DLL ZT	TOWN 12										
Frequency (MHz)	Raw (dBuV)	Cable Loss (dB)	AF (dB)	Level (dBuV/m)	Measurement Type	Pol (V/H)	Hgt (cm)	Azt (Deg)	Limit (dBuV/m)	Margin (dB)	Pass /Fail
3311.98	51.39	3.49	-1.60	53.28	Peak Max	V	200.00	310	74	-20.72	Pass
4879.74	39.33	4.06	-0.92	42.48	Peak Max	V	109.00	88	74	-31.52	Pass
7320.46	39.01	5.43	-0.77	43.67	Peak Max	V	350.00	222	74	-30.33	Pass
3311.98	49.12	3.49	-1.60	51.01	Average Max	V	200.00	310	54	-2.99	Pass
4879.74	26.89	4.06	-0.92	30.04	Average Max	V	109.00	88	54	-23.97	Pass
7320.46	26.40	5.43	-0.77	31.06	Average Max	V	350.00	222	54	-22.94	Pass

BLE - 2480MHz

Frequency (MHz)	Raw (dBuV)	Cable Loss (dB)	AF (dB)	Level (dBuV/m)	Measurement Type	Pol (V/H)	Hgt (cm)	Azt (Deg)	Limit (dBuV/m)	Margin (dB)	Pass /Fail
2008.55	40.44	2.74	-2.45	40.73	Peak Max	V	103	128	74	-33.27	Pass
4979.56	39.07	4.08	1.21	44.36	Peak Max	V	274	341	74	-29.64	Pass
9036.78	38.65	5.65	0.14	44.43	Peak Max	V	349	295	74	-29.57	Pass
2008.55	28.07	2.74	-2.45	28.36	Average Max	V	103	128	54	-25.64	Pass
4979.56	26.53	4.27	1.21	32.01	Average Max	V	274	341	54	-21.99	Pass
9036.78	26.37	5.65	0.14	32.16	Average Max	V	349	295	54	-21.84	Pass

Note: Both horizontal and vertical polarities were investigated. The results above show only the worst case.

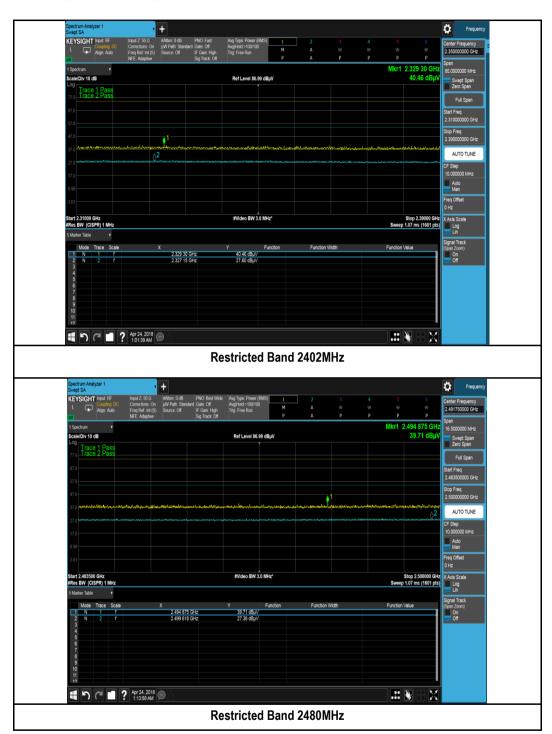
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Restricted Band Measurement Plots:







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Annex A. TEST INSTRUMENT

Instrument	Model	Serial #	Cal Date	Cal Cycle	Cal Due	In use
Radiated Emissions						
Keysight EXA 44GHz Spectrum Analyzer	N9030B(PXA)	MY57140374	09/06/2017	1 Year	09/06/2018	>
Bi-Log antenna (30MHz~2GHz)	JB1	A030702	03/09/2018	2 Year	03/09/2020	>
Horn Antenna (1GHz~26GHz)	3115	100059	11/09/2017	1 Year	11/09/2018	>
Horn Antenna (18GHz~40GHz)	PA-840	181251	06/23/2017	1 Year	06/23/2018	>
Preamplifier (100KHz-7GHz)	LPA-6-30	11170602	05/09/2017	1 Year	05/09/2018	>
Pre-Amplifier (1-26.5GHz)	8449B	3008A00715	08/16/2017	1 Year	08/16/2018	>





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Annex B. SIEMIC Accreditation

Accreditations	Document	Scope / Remark
ISO 17025 (A2LA)	7	Please see the documents for the detailed scope
ISO Guide 65 (A2LA)	7	Please see the documents for the detailed scope
TCB Designation		A1, A2, A3, A4, B1, B2, B3, B4, C
FCC DoC Accreditation	7	FCC Declaration of Conformity Accreditation
FCC Site Registration	7	3 meter site
FCC Site Registration	7	10 meter site
IC Site Registration	7	3 meter site
IC Site Registration	7	10 meter site
EU NB	₽	Radio & Telecommunications Terminal Equipment: EN45001 – EN ISO/IEC 17025
	72	Electromagnetic Compatibility: EN45001 – EN ISO/IEC 17025
Singapore iDA CB(Certification Body)	包包	Phase I, Phase II
Vietnam MIC CAB Accreditation	₽	Please see the document for the detailed scope
	7	(Phase II) OFCA Foreign Certification Body for Radio and Telecom
Hong Kong OFCA	7	(Phase I) Conformity Assessment Body for Radio and Telecom
Industry Canada CAB	7	Radio: Scope A – All Radio Standard Specification in Category I
	7	Telecom: CS-03 Part I, II, V, VI, VII, VIII



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Japan Recognized Certification Body Designation	因因	Radio: A1. Terminal equipment for purpose of calling Telecom: B1. Specified radio equipment specified in Article 38-2, Paragraph 1, Item 1 of the Radio Law
		EMI: KCC Notice 2008-39, RRL Notice 2008-3: CA Procedures for EMI KN22: Test Method for EMI EMS: KCC Notice 2008-38, RRL Notice 2008-4: CA Procedures for EMS KN24, KN61000-4-2, -4-3, -4-4, -4-5, -4-6, -4-8, -4-11: Test Method for EMS
Korea CAB Accreditation	TA.	Radio: RRL Notice 2008-26, RRL Notice 2008-2, RRL Notice 2008-10, RRL Notice 2007-49, RRL Notice 2007-20, RRL Notice 2007-21, RRL Notice 2007-80, RRL Notice 2004-68
		Telecom: President Notice 20664, RRL Notice 2007-30, RRL Notice 2008-7 with attachments 1, 3, 5, 6; President Notice 20664, RRL Notice 2008-7 with attachment 4
Taiwan NCC CAB Recognition	Z	LP0002, PSTN01, ADSL01, ID0002, IS6100, CNS14336, PLMN07, PLMN01, PLMN08
Taiwan BSMI CAB Recognition	7	CNS 13438
Japan VCCI	B	R-3083: Radiation 3 meter site C-3421: Main Ports Conducted Interference Measurement T-1597: Telecommunication Ports Conducted Interference Measurement
Australia CAB Recognition	ā	EMC: AS/NZS CISPR 11, AS/NZS CISPR 14.1, AS/NZS CISPR22, AS/NZS 61000.6.3, AS/NZS 61000.6.4
		Radio communications: AS/NZS 4281, AS/NZS 4268, AS/NZS 4280.1, AS/NZS 4280.2, AS/NZS 4295, AS/NZS 4582, AS/NZS 4583, AS/NZS 4769.1, AS/NZS 4769.2, AS/NZS 4770, AS/NZS 4771
		Telecommunications: AS/ACIF S002:05, AS/ACIF S003:06, AS/ACIF S004:06 AS/ACIF S006:01, AS/ACIF S016:01, AS/ACIF S031:01, AS/ACIF S038:01, AS/ACIF S040:01, AS/ACIF S041:05, AS/ACIF S043.2:06, AS/ACIF S60950.1
Australia NATA Recognition	B	AS/ACIF S002, AS/ACIF S003, AS/ACIF S004, AS/ACIF S006, AS/ACIF S016,AS/ACIF S031, AS/ACIF S038, AS/ACIF S040, AS/ACIF S041, AS/ACIF S043.2