

# **ELECTROMAGNETIC EMISSION COMPLIANCE REPORT** FOR LOW-POWER, NON-LICENSED TRANSMITTER

Test Report No. : OT-19O-RWD-016

AGR No. : A197A-013

**Applicant** : SOOIL Development Co., Ltd.

Address : 111-1, Heukseck-dong, Dongjak-gu, SEOUL, South Korea

Manufacturer : SOOIL Development Co., Ltd (Heukseok)

Address : 80 Hyeonchung-ro, Dongjak-gu, Seoul, 06972 Korea

**Type of Equipment** : Insulin Pump

FCC ID. : VF9DANAI

**Model Name** : DANA Diabecare-i

**Serial number** : N/A

Total page of Report : 41 pages (including this page)

**Date of Incoming** : September 17, 2019

Date of issue : October 07, 2019

# **SUMMARY**

The equipment complies with the regulation; FCC PART 15 SUBPART C Section 15.247

This test report only contains the result of a single test of the sample supplied for the examination.

It is not a generally valid assessment of the features of the respective products of the mass-production.

Reviewed by:

Tae-Ho, Kim / Senior Manager ONETECH Corp.

Approved by:

Ki-Hong, Nam / Chief Engineer ONETECH Corp.



# **CONTENTS**

	PAGE
1. VERIFICATION OF COMPLIANCE	5
2. TEST SUMMARY	6
2.1 TEST ITEMS AND RESULTS	6
2.2 Additions, deviations, exclusions from standards	6
2.3 RELATED SUBMITTAL(S) / GRANT(S)	6
2.4 PURPOSE OF THE TEST	6
2.5 TEST METHODOLOGY	6
2.6 TEST FACILITY	6
3. GENERAL INFORMATION	7
3.1 PRODUCT DESCRIPTION	7
3.2 ALTERNATIVE TYPE(S)/MODEL(S); ALSO COVERED BY THIS TEST REPORT	7
4. EUT MODIFICATIONS	7
5. SYSTEM TEST CONFIGURATION	8
5.1 JUSTIFICATION	8
5.2 PERIPHERAL EQUIPMENT	8
5.3 MODE OF OPERATION DURING THE TEST	8
5.4 CONFIGURATION OF TEST SYSTEM	10
5.5 Antenna Requirement	10
6. PRELIMINARY TEST	11
6.1 AC POWER LINE CONDUCTED EMISSIONS TESTS	11
6.2 GENERAL RADIATED EMISSIONS TESTS	11
7. MINIMUM 6 DB BANDWIDTH	12
7.1 OPERATING ENVIRONMENT	12
7.2 TEST SET-UP	12
7.3 TEST EQUIPMENT USED	12
7.4 Test data	13
8. MAXIMUM PEAK OUTPUT POWER	15
8.1 OPERATING ENVIRONMENT	15
8.2 TEST SET-UP	15
8.3 TEST EQUIPMENT USED	15
8.4 Test data	16
9. 100 KHZ BANDWIDTH OUTSIDE THE FREQUENCY BAND	18





9.1 OPERATING ENVIRONMENT	18
9.2 TEST SET-UP FOR CONDUCTED MEASUREMENT	18
9.3 TEST SET-UP FOR RADIATED MEASUREMENT	18
9.4 TEST EQUIPMENT USED	18
9.5 TEST DATA FOR CONDUCTED EMISSION	19
9.6 TEST DATA FOR RADIATED EMISSION	24
9.6.1 Radiated Emission which fall in the Restricted Band	24
9.6.2 Spurious & Harmonic Radiated Emission	29
10. PEAK POWER SPECTRAL DENSITY	36
10.1 OPERATING ENVIRONMENT	36
10.2 Test set-up	36
10.3 TEST EQUIPMENT USED	36
10.4 TEST DATA	37
11. RADIATED EMISSION TEST	39
11.1 OPERATING ENVIRONMENT	39
11.2 Test set-up	39
11.3 TEST EQUIPMENT USED	39
11.4 TEST DATA	40
11.4.1 Test data for 30 MHz ~ 1 GHz	40
11.4.2 Test data for Below 30 MHz	41
11.4.3 Test data for above 1 GHz	41



	Revision History					
Rev. No. Issue Report No. Issued Date Revisions Section Affe						
0 OT-19O-RWD-016 October 07, 2019		Initial Release	All			



# 1. VERIFICATION OF COMPLIANCE

Applicant : SOOIL Development Co., Ltd.

Address : 111-1, Heukseck-dong, Dongjak-gu, SEOUL, South Korea

Contact Person: Geun-Sang, Lim / General Manager

Telephone No. : +82-2-2824-2133

FCC ID : VF9DANAI

Model Name : DANA Diabecare-i

Brand Name : Serial Number : N/A

Date : October 07, 2019

h	
EQUIPMENT CLASS	DTS – DIGITAL TRNSMISSION SYSTEM
E.U.T. DESCRIPTION	Insulin Pump
THIS REPORT CONCERNS	Original Grant
MEASUREMENT PROCEDURES	ANSI C63.10: 2013
TYPE OF EQUIPMENT TESTED	Pre-Production
KIND OF EQUIPMENT	
AUTHORIZATION REQUESTED	Certification
EQUIPMENT WILL BE OPERATED	FCC PART 15 SUBPART C Section 15.247
UNDER FCC RULES PART(S)	558074 D01 15.247 Meas Guidance v05r02
Modifications on the Equipment to Achieve	Nama
Compliance	None
Final Test was Conducted On	3 m, Semi Anechoic Chamber

<sup>-.</sup> The above equipment was tested by ONETECH Corp. for compliance with the requirement set forth in the FCC Rules and Regulations. This said equipment in the configuration described in this report, shows the maximum emission levels emanating from equipment are within the compliance requirements.



#### 2. TEST SUMMARY

#### 2.1 Test items and results

SECTION	TEST ITEMS	RESULTS
15.247 (a) (2)	Minimum 6 dB Bandwidth	Met the Limit / PASS
15.247 (b) (3)	Maximum Peak Conducted Output Power	Met the Limit / PASS
15.247 (d)	100 kHz Bandwidth Outside the Frequency Band	Met the Limit / PASS
15.247 (d)	Radiated Emission which fall in the Restricted Band	Met the Limit / PASS
15.247 (e)	Peak Power Spectral Density	Met the Limit / PASS
15.209	Radiated Emission Limits	Met the Limit / PASS
15.207	Conducted Limits	N/A (See Note)
15.203	Antenna Requirement	Met requirement / PASS

Note: This test is not performed because the EUT is operated by DC battery.

## 2.2 Additions, deviations, exclusions from standards

No additions, deviations or exclusions have been made from standard.

#### 2.3 Related Submittal(s) / Grant(s)

Original submittal only

#### 2.4 Purpose of the test

To determine whether the equipment under test fulfills the requirements of the regulation stated in FCC PART 15 SUBPART C Section 15.247.

#### 2.5 Test Methodology

Both conducted and radiated testing was performed according to the procedures in ANSI C63.10: 2013. Radiated testing was performed at a distance of 3 m from EUT to the antenna.

#### 2.6 Test Facility

The Onetech Corp. has been designated to perform equipment testing in compliance with ISO/IEC 17025.

The Electromagnetic compatibility measurement facilities are located at 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea

-. Site Filing:

VCCI (Voluntary Control Council for Interference) - Registration No. R-4112/ C-14617/ G-10666 / T-1842

IC (Industry Canada) – Registration No. Site# 3736A-3

-. Site Accreditation:

KOLAS (Korea Laboratory Accreditation Scheme) - Accreditation NO. KT085

FCC (Federal Communications Commission) - Accreditation No. KR0013

RRA (Radio Research Agency) - Designation No. KR0013

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EMC-003 (Rev.2)



# 3. GENERAL INFORMATION

# 3.1 Product Description

The SOOIL Development Co., Ltd., Model DANA Diabecare-i (referred to as the EUT in this report) is an Insulin Pump, Product specification information described herein was obtained from product data sheet or user's manual.

1	To the state of th
DEVICE TYPE	Insulin Pump
Temperature Range	1 °C ~ 40 °C
Operating Frequency	2 402 MHz ~ 2 480 MHz
Modulation Type	GFSK
RF Output Power	0.22 dBm
ANTENNA TYPE	Chip Antenna
ANTENNA GAIN	1.05 dBi
List of each Osc. or crystal Freq.(Freq. >= 1 MHz)	32.768 kHz, 16 MHz
RATED SUPPLY VOLTAGE	DC 1.5 V

# 3.2 Alternative type(s)/model(s); also covered by this test report.

-. None

# 4. EUT MODIFICATIONS

-. None



## 5. SYSTEM TEST CONFIGURATION

#### 5.1 Justification

This device was configured for testing in a typical way as a normal customer is supposed to be used. During the test, the following components were installed inside of the EUT.

DEVICE TYPE MANUFACTURER		MODEL/PART NUMBER	FCC ID
Main Board	SOOIL Development Co., Ltd (Heukseok)	DANA RS-F_MAIN V1.0	N/A
Sub Board(1)	SOOIL Development Co., Ltd (Heukseok)	DANA RS-F_BLE V1.1	N/A
Sub Board(2)	SOOIL Development Co., Ltd (Heukseok)	DANA RS-F_SUB V1.1	N/A
LCD	KJC Display Corp.	KJC-E61206AKFSW66-C2	N/A
Button Board	N/A	N/A	N/A
Motor	N/A	YA23L	N/A
Piezo	N/A	N/A	N/A

## 5.2 Peripheral equipment

Defined as equipment needed for correct operation of the EUT, but not considered as tested:

Model	Manufacturer	Description	Connected to
DANA Diabecare-i	SOOIL Development Co., Ltd (Heukseok)	Insulin Pump(EUT)	-
H13516v1	CSR plc	Jig Board	EUT / Notebook PC
HP ProBook 650 G1	ProBook 650 G1 HP		Jig Board

## 5.3 Mode of operation during the test

For the testing, software used to control the EUT for staying in continuous transmitting is programmed.

For final testing, the EUT was set at 2 402 MHz, 2 440 MHz, and 2 480 MHz to get a maximum emission levels from the EUT. The EUT was moved throughout the XY, XZ, and YZ planes and the worst case is "XZ" axis, but the worst data was recorded in this report.

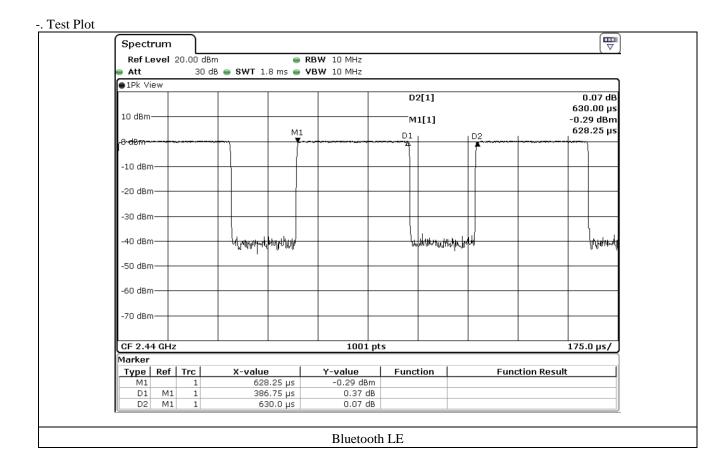


-. Duty Cycle

Mode	Tx On Time	Tx Off Time	Duty Cycle	Correction Factor
Mode	[ ms ]	[ ms ]	[ % ]	[ dB ]
Bluetooth LE	0.387	0.630	61.43	2.12

Note – Duty Cycle : (Tx On Time / (Tx On Time + Tx Off Time)) \* 100

Correction Factor : 10 \* Log(1 / (Duty Cycle / 100))





Page 10 of 41 Report No.: OT-19O-RWD-016

#### 5.4 Configuration of Test System

**Line Conducted Test**: It is not need to test this requirement, because the EUT shall be operated by DC battery.

**Radiated Emission Test**: Preliminary radiated emissions test were conducted using the procedure in ANSI C63.10:

2013 to determine the worse operating conditions. Final radiated emission tests were

conducted at 3 meter Semi Anechoic Chamber.

The turntable was rotated through 360 degrees and the EUT was tested by positioned three orthogonal planes to obtain the highest reading on the field strength meter. Once maximum reading was determined, the search antenna was raised and lowered in both

vertical and horizontal polarization.

#### 5.5 Antenna Requirement

For intentional device, according to section 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.

#### **Antenna Construction:**

The antenna of the EUT is Chip Antenna on the main board in the EUT, so no consideration of replacement by the user.



# 6. PRELIMINARY TEST

## **6.1 AC Power line Conducted Emissions Tests**

During Preliminary Test, the following operating mode was investigated.

Operation Mode	The Worse operating condition (Please check one only)	
It is not need to test this requirement, because the power of the EUT is supplied by battery.		

## **6.2 General Radiated Emissions Tests**

During Preliminary Test, the following operating mode was investigated.

Operation Mode	The Worse operating condition (Please check one only)
Transmitting Mode	X



## 7. MINIMUM 6 dB BANDWIDTH

# 7.1 Operating environment

Temperature :  $23 \, ^{\circ}\text{C}$ 

Relative humidity : 45 % R.H.

## 7.2 Test set-up

The antenna output of the EUT was connected to the spectrum analyzer. The resolution bandwidth is set to 100 kHz, and peak detection was used. The 6 dB bandwidth is defined as the total spectrum over which the power is higher than the peak power minus 6 dB.



# 7.3 Test equipment used

	Model Number	Manufacturer	Description	Serial Number	Last Cal.
■ -	FSV40	Rohde & Schwarz	Signal Analyzer	101009	Mar. 11, 2019 (1Y)



## 7.4 Test data

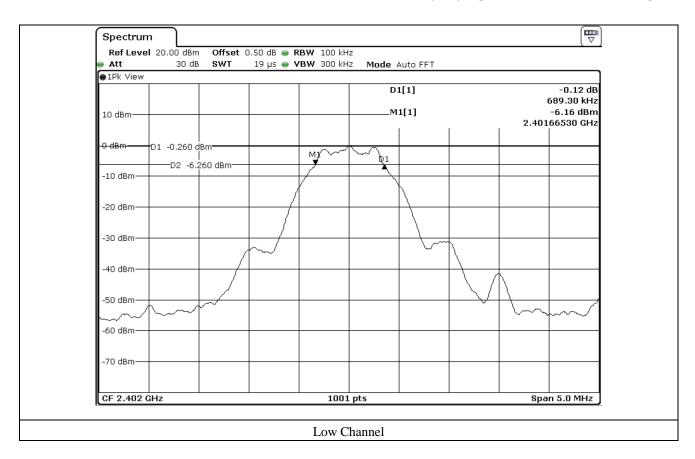
-. Test Date : September 23, 2019 ~ September 27, 2019

-. Test Result : Pass

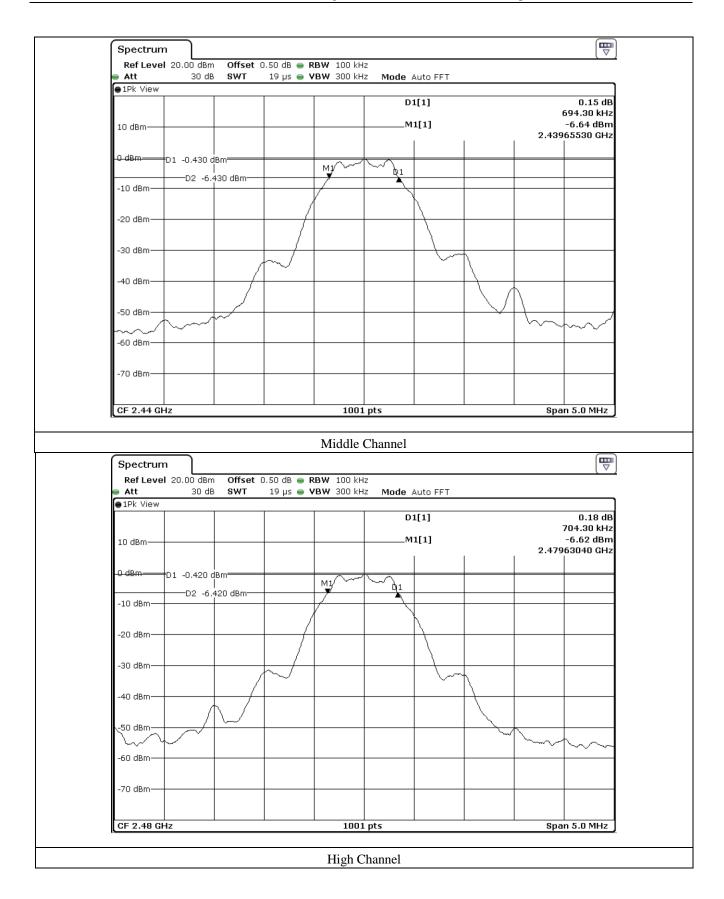
CHANNEL	FREQUENCY(MHz)	MEASURED VALUE (kHz)	LIMIT (kHz)	MARGIN (kHz)
Low	2 402.00	689.30	500.00	189.30
Middle	2 440.00	694.30	500.00	194.30
High	2 480.00	704.30	500.00	204.30

Remark. Margin = Measured Value - Limit

Tested by: Hyung-Kwon, Oh / Assistant Manager









# 8. MAXIMUM PEAK OUTPUT POWER

# 8.1 Operating environment

Temperature :  $23 \, ^{\circ}\text{C}$ Relative humidity :  $45 \, ^{\circ}\text{R.H.}$ 

# 8.2 Test set-up

The antenna output of the EUT was connected to the spectrum analyzer.

The resolution bandwidth is set to ≥ DTS Bandwidth, the video bandwidth is set to 3 times the resolution bandwidth.



# 8.3 Test equipment used

	Model Number Manufacturer		Description	Serial Number	Last Cal.	
■ -	FSV40	Rohde & Schwarz	Signal Analyzer	101009	Mar. 11, 2019 (1Y)	



#### 8.4 Test data

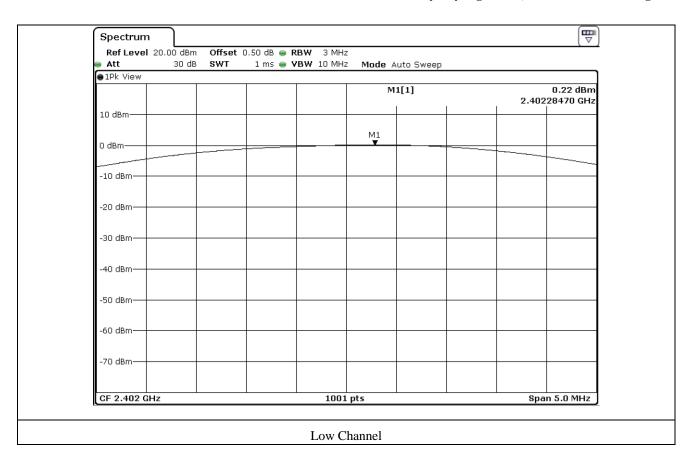
-. Test Date : September 23, 2019 ~ September 27, 2019

-. Test Result : Pass

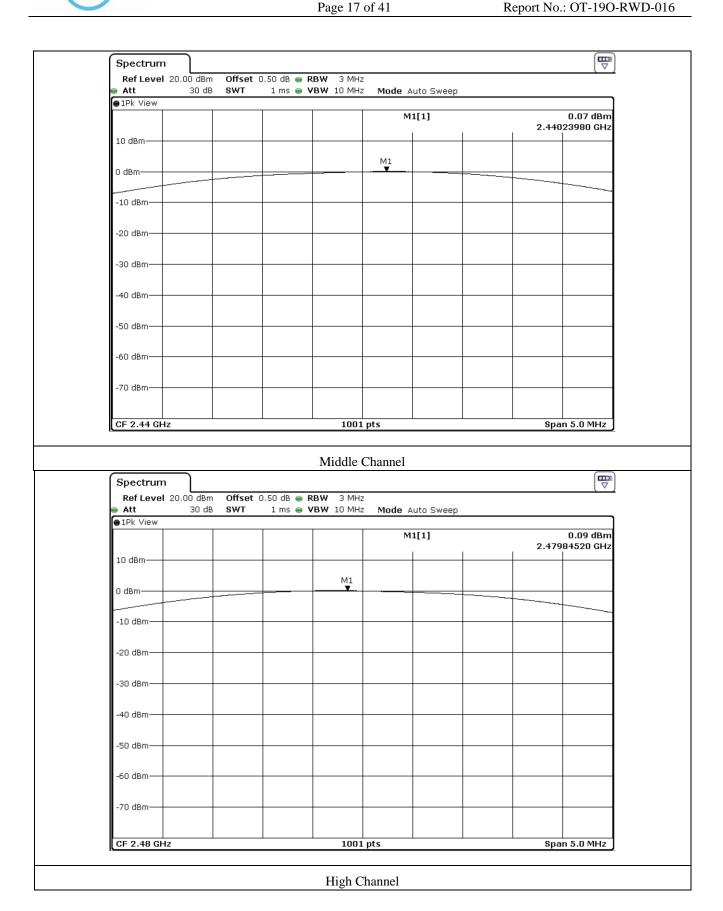
CHANNEL	FREQUENCY	MEASURED VALUE	LIMIT	MARGIN
CHANNEL	(MHz)	(dBm)	(dBm)	(dB)
LOW	2 402.00	0.22	30.00	29.78
MIDDLE	2 440.00	0.07	30.00	29.93
HIGH	2 480.00	0.09	30.00	29.91

Remark. Margin = Limit – Measured Value (=Receiver Reading + Cable Loss)

Tested by: Hyung-Kwon, Oh / Assistant Manager







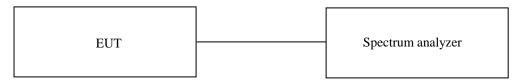
# 9. 100 kHz BANDWIDTH OUTSIDE THE FREQUENCY BAND

## 9.1 Operating environment

Temperature :  $23 \, ^{\circ}\text{C}$ Relative humidity :  $45 \, ^{\circ}\text{R.H.}$ 

# 9.2 Test set-up for conducted measurement

The antenna output of the EUT was connected to the spectrum analyzer. The resolution bandwidth is set to 100 kHz, the video bandwidth is set to 3 times the resolution bandwidth and peak detection was used.



#### 9.3 Test set-up for radiated measurement

The radiated emissions measurements were performed on the 3 m semi anechoic chamber. The EUT was placed on turntable approximately 1.5 m above the ground plane.

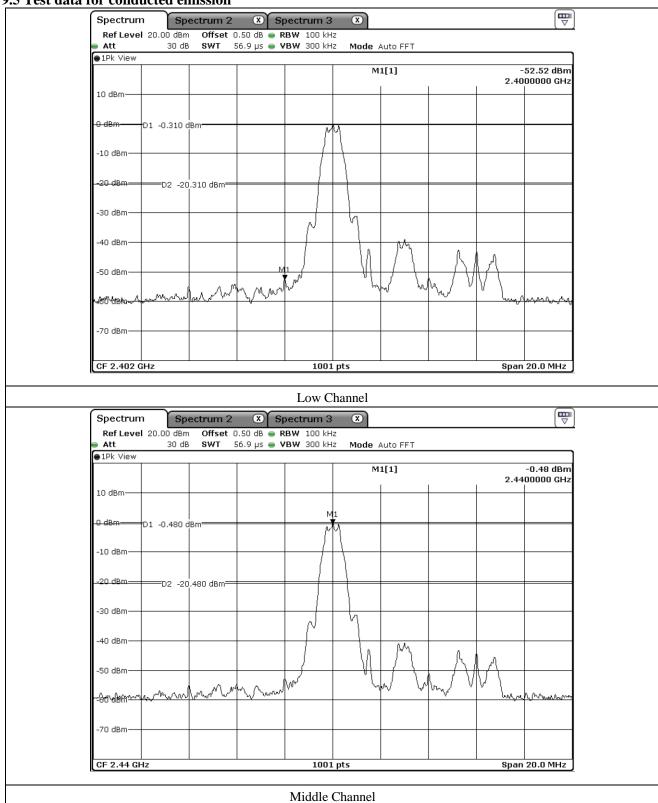
The frequency spectrum from 30 MHz to 26.5 GHz was scanned and maximum emission levels at each frequency recorded. The system was rotated 360°, and the antenna was varied in the height between 1.0 m and 4.0 m in order to determine the maximum emission levels. This procedure was performed for horizontal and vertical polarization of the receiving antenna.

#### 9.4 Test equipment used

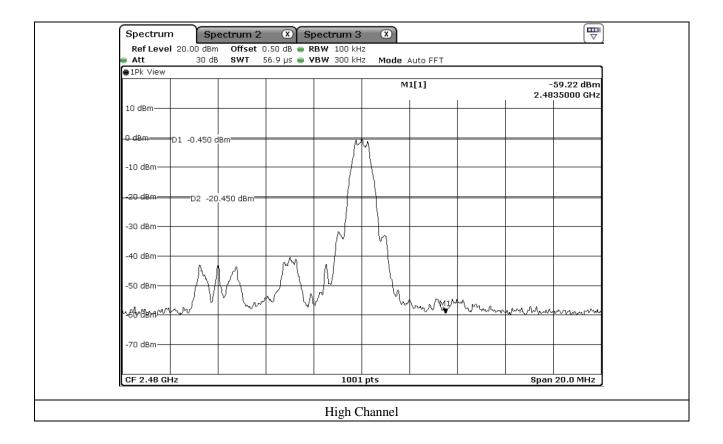
	Model Number	Manufacturer	Description	Serial Number	Last Cal.
<b>-</b>	FSV40	Rohde & Schwarz	Signal Analyzer	101009	Mar. 11, 2019 (1Y)
■	ESU	Rohde & Schwarz	EMI Test Receiver	100261	Mar. 28, 2019 (1Y)
■ -	310N	Sonoma Instrument	Pre-Amplifier	312544	Mar. 18, 2019 (1Y)
■ -	BBV 9718B	Schwarzbeck	Amplifier	009	Mar. 20, 2019 (1Y)
	SCU40A	Rohde & Schwarz	Signal Conditioning unit	100436	Mar. 11, 2019 (1Y)
■ -	DT3000-3t	Innco System	Turn Table	DT3000/093	N/A
■ -	MA-4000XPET	Innco System	Antenna Master	MA4000/509	N/A
■ -	VULB9163	Schwarzbeck	TRILOG Broadband Antenna	777	Apr. 13, 2018 (2Y)
■ -	BBHA9120D	Schwarzbeck	Horn Antenna	9120D-1366	Jul. 16, 2019 (1Y)
■	BBHA9170	Schwarzbeck	Horn Antenna	BBHA9170179	Jan. 16, 2019 (1Y)
<b>I</b> -	VAMP9243	Schwarzbeck	ROD ANTENNA	VAMP9243	Mar. 14, 2019 (2Y)



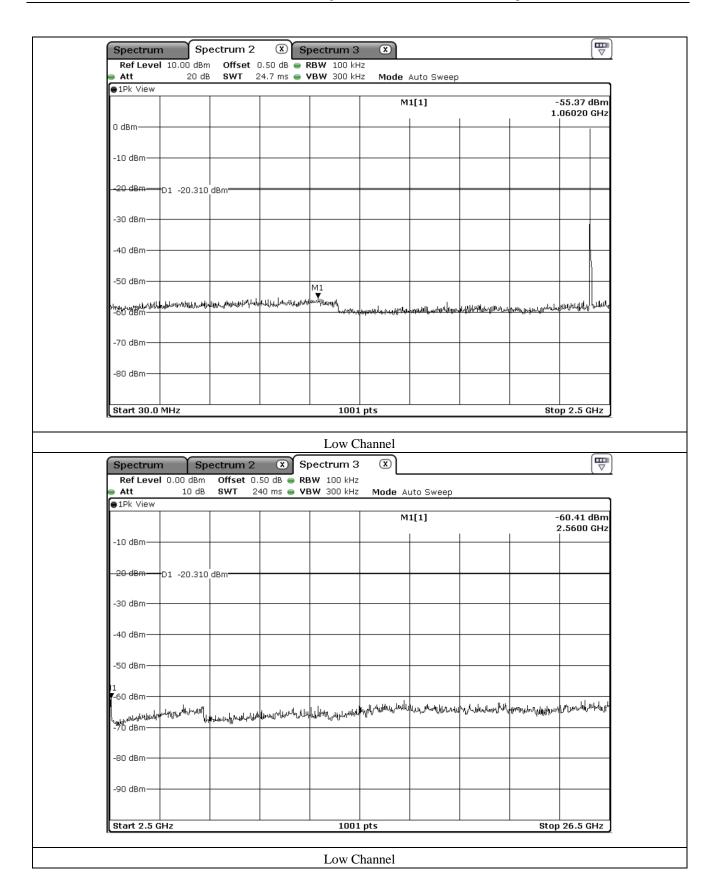
9.5 Test data for conducted emission

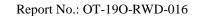




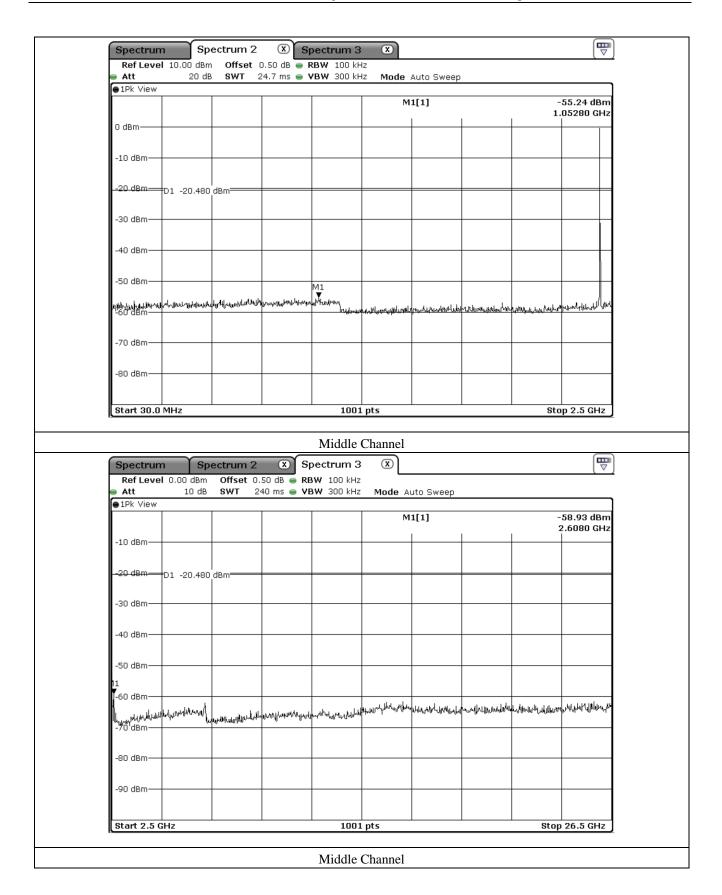




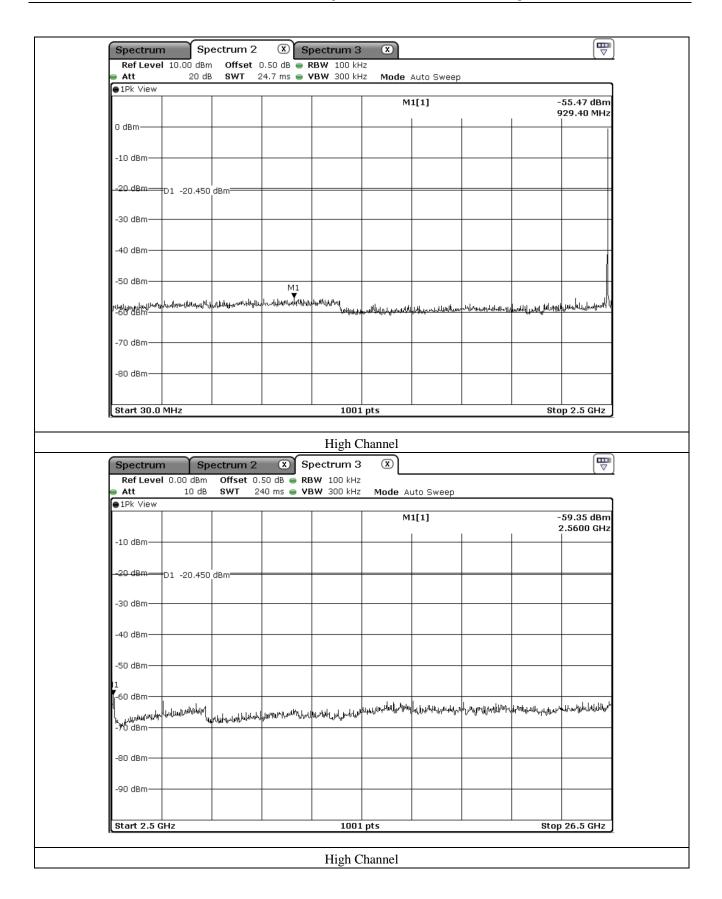














#### 9.6 Test data for radiated emission

#### 9.6.1 Radiated Emission which fall in the Restricted Band

Test Date : September 23, 2019 ~ September 27, 2019
 Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode

1 MHz and RMS Detector for Average Mode

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Measurement distance : 3 m-. Duty Cycle : 61.43 %-. Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Correction Factor	Total (dBμV/m)	Limits (dBµV/m)	Margin (dB)	
Test Data for Low Channel										
2 337.373	17.20	Peak	Н		4.75	-	48.89	74.00	25.11	
2 340.170	6.06	Average	Н			2.12	39.87	54.00	14.13	
2 324.905	16.64	Peak	V	26.94		-	48.33	74.00	25.67	
2 340.569	5.92	Average	V			2.12	39.73	54.00	14.27	
			Те	est Data for	High Chan	nel				
2 490.102	18.44	Peak	Н			-	50.30	74.00	23.70	
2 498.657	6.85	Average	Н			2.12	40.83	54.00	13.17	
2 499.102	18.55	Peak	V	27.47	4.39	-	50.41	74.00	23.59	
2 491.107	6.80	Average	V			2.12	40.78	54.00	13.22	

Tabulated test data for Restricted Band

Remark: "H": Horizontal, "V": Vertical

Margin (dB) = Limits (dB $\mu$ V/m) - Total Level (dB $\mu$ V/m)

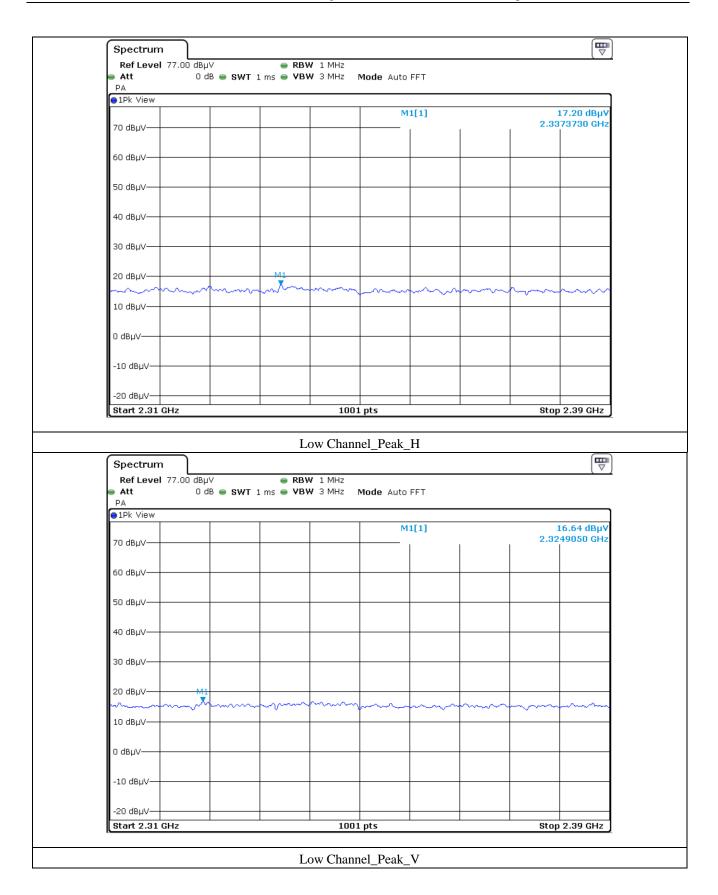
Total Level = Reading + Antenna Factor + Cable Loss + Correction Factor

Tested by: Hyung-Kwon, Oh / Assistant Manager

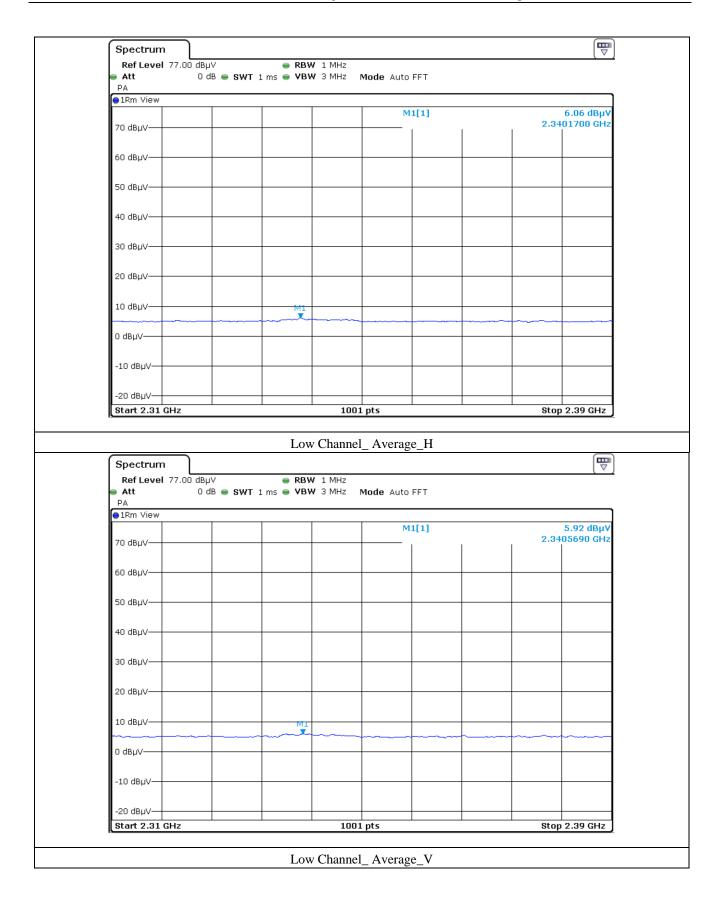
Report No.: OT-19O-RWD-016

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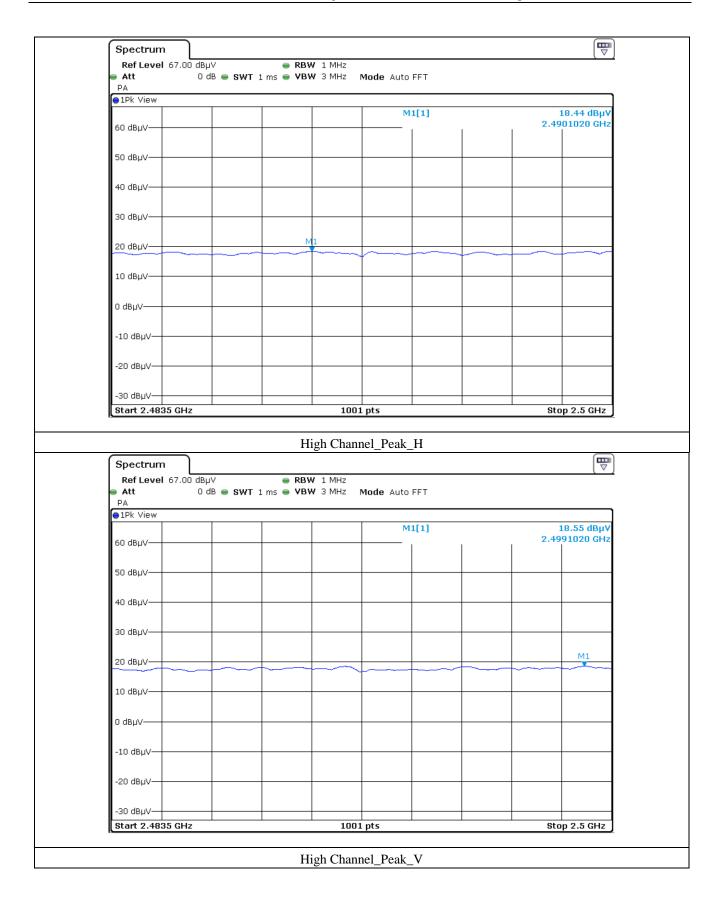


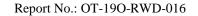




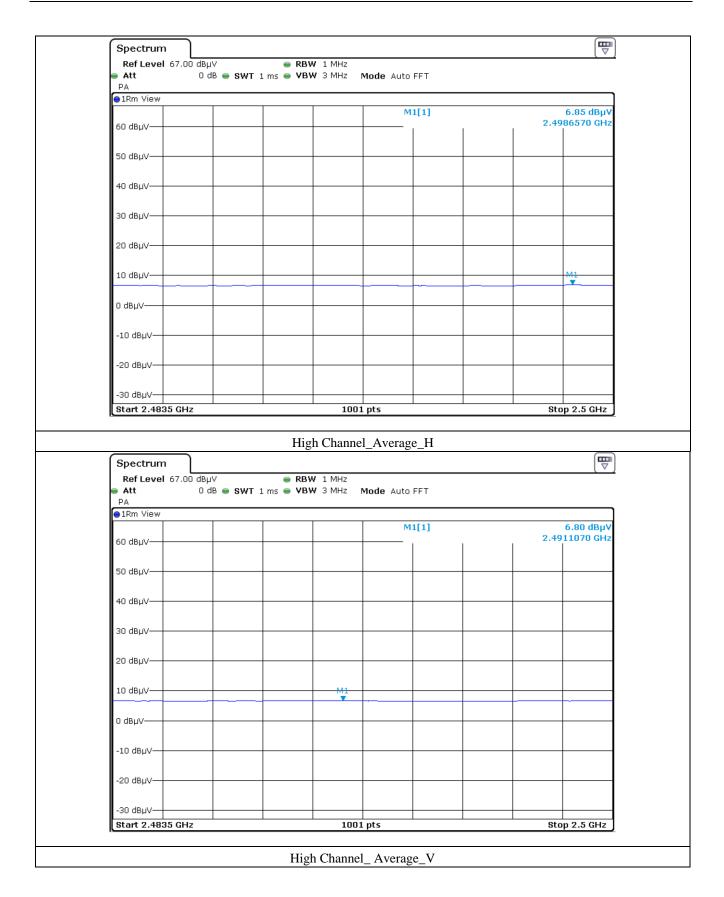














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# 9.6.2 Spurious & Harmonic Radiated Emission

-. Test Date : September 23, 2019 ~ September 27, 2019

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,

1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band

Report No.: OT-19O-RWD-016

100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 26.5 GHz

-. Measurement distance : 3 m-. Duty Cycle : 61.43 %-. Result : PASSED

Frequency (MHz)	Reading (dBµV)	Detector Mode	Ant. Pol.	Ant. Factor	Cable Loss	Correction Factor	Total (dBµV/m)	Limits (dBµV/m)	Margin (dB)	
Test Data for Low Channel								(ub)		
17.71 Peak H - 55.83 74.00										
					7.28				18.17	
4 804.000	6.33	Average	Н	30.84		2.12	46.57	54.00	7.43	
1 00 1.000	18.18	Peak	V			-	56.30	74.00	17.70	
	6.31	Average	V			2.12	46.55	54.00	7.45	
	Test Data for Middle Channel									
	20.31	Peak	Н		7.42	-	57.74	74.00	16.26	
	8.76	Average	Н			2.12	48.31	54.00	5.69	
4 880.000	20.24	Peak	V	30.01		-	57.67	74.00	16.33	
	8.75	Average	V			2.12	48.30	54.00	5.70	
			Τe	est Data for	High Chan	nel				
	20.30	Peak	Н	-	-	-	58.85	74.00	15.15	
	8.92	Average	Н			2.12	49.59	54.00	4.41	
4 960.000	20.87	Peak	V	31.15	7.40	-	59.42	74.00	14.58	
	8.96	Average	V			2.12	49.63	54.00	4.37	

Tabulated test data for Restricted Band

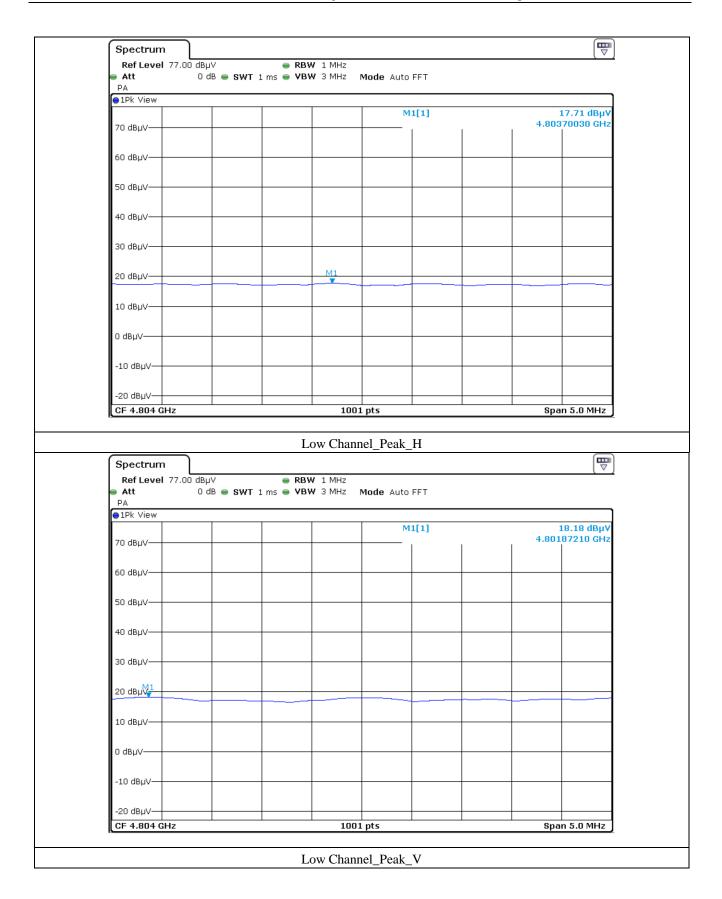
Remark: "H": Horizontal, "V": Vertical

Margin (dB) = Limits (dB $\mu$ V/m) - Total Level (dB $\mu$ V/m)

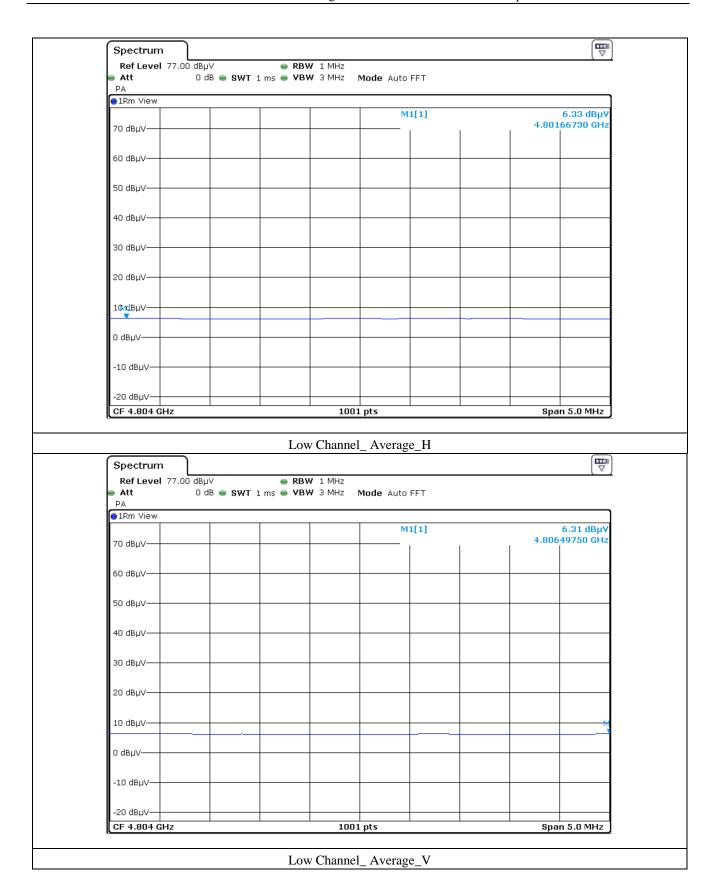
Total Level = Reading + Antenna Factor + Cable Loss + Correction Factor

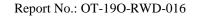
Tested by: Hyung-Kwon, Oh / Assistant Manager



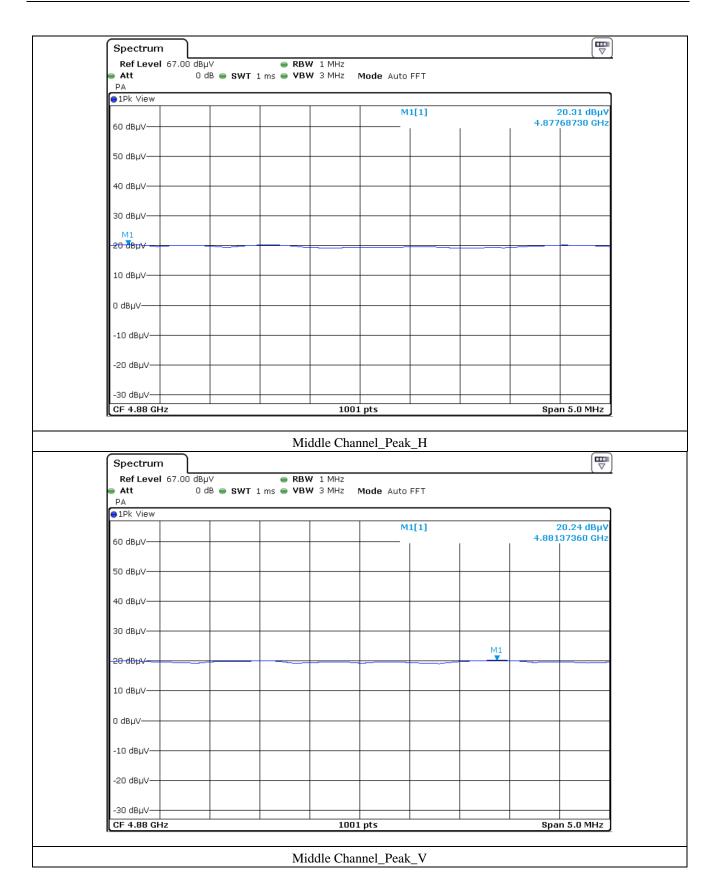


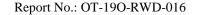




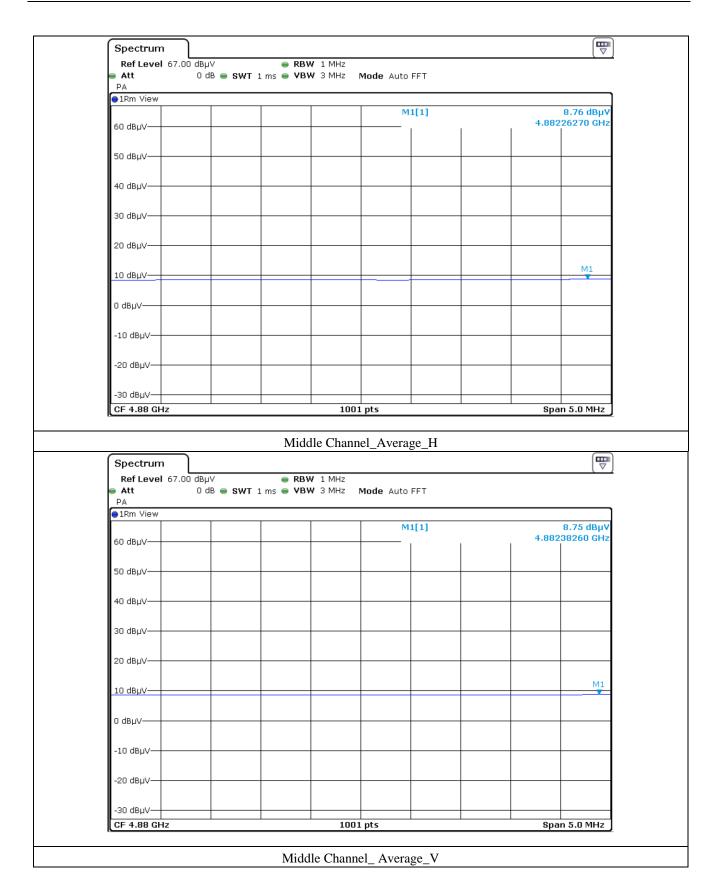




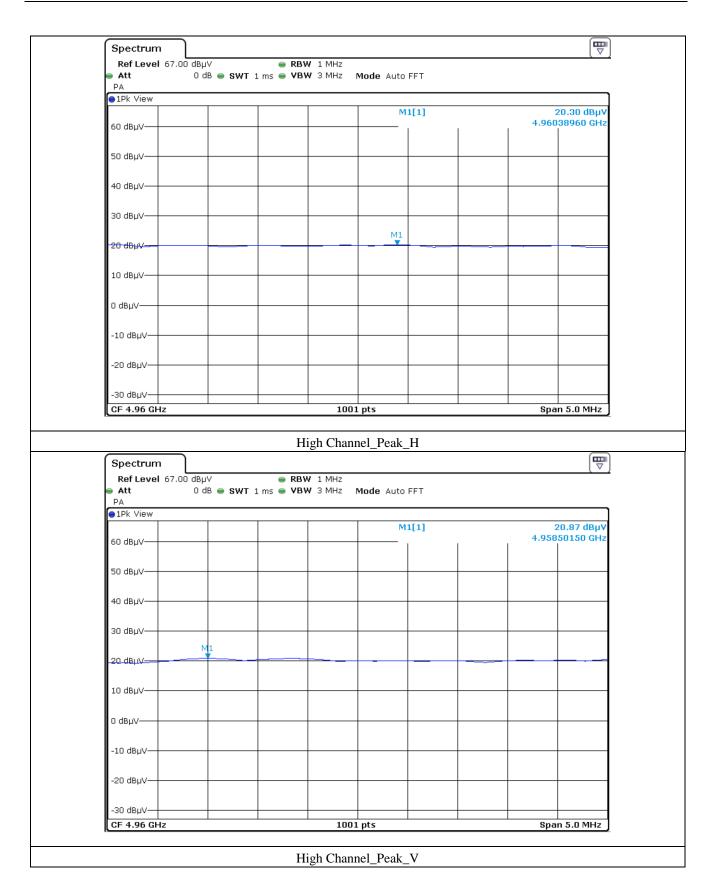




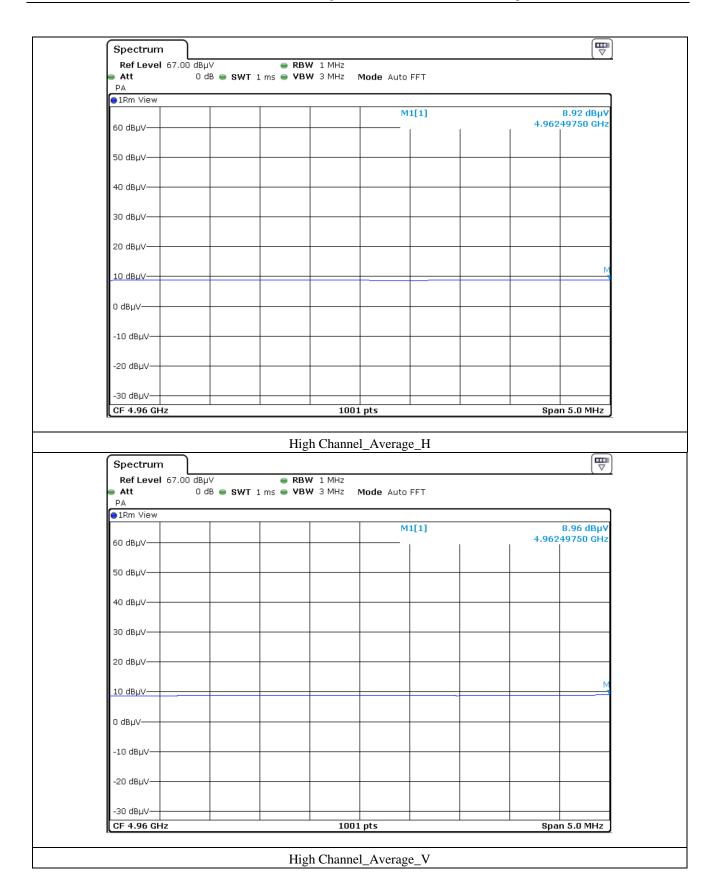














# 10. PEAK POWER SPECTRAL DENSITY

# 10.1 Operating environment

Temperature :  $23 \, ^{\circ}\text{C}$ 

Relative humidity : 45 % R.H.

# 10.2 Test set-up

The antenna output of the EUT was connected to the spectrum analyzer.

The resolution bandwidth is set to 3 kHz  $\leq$  RBW  $\leq$ 100 kHz, the video bandwidth is set to 3 times the resolution bandwidth.



# 10.3 Test equipment used

	Model Number Manufacturer		Description	Serial Number	Last Cal.	
<b>-</b>	FSV40	Rohde & Schwarz	Signal Analyzer	101009	Mar. 11, 2019 (1Y)	



#### 10.4 Test data

-. Test Date : September 23, 2019 ~ September 27, 2019

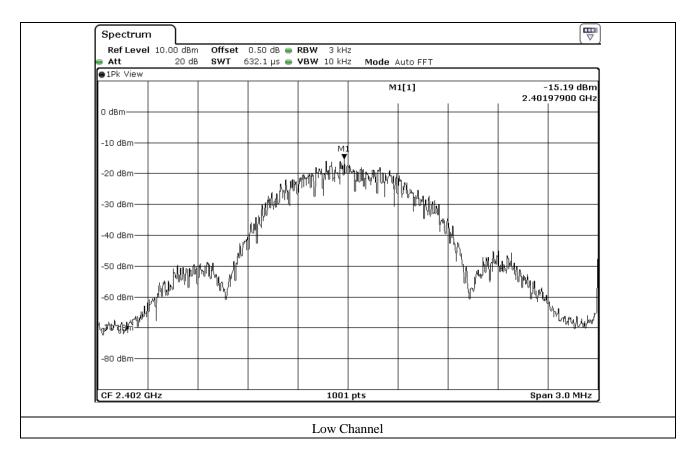
-. Test Result : Pass

-. Operating Condition : Continuous transmitting mode

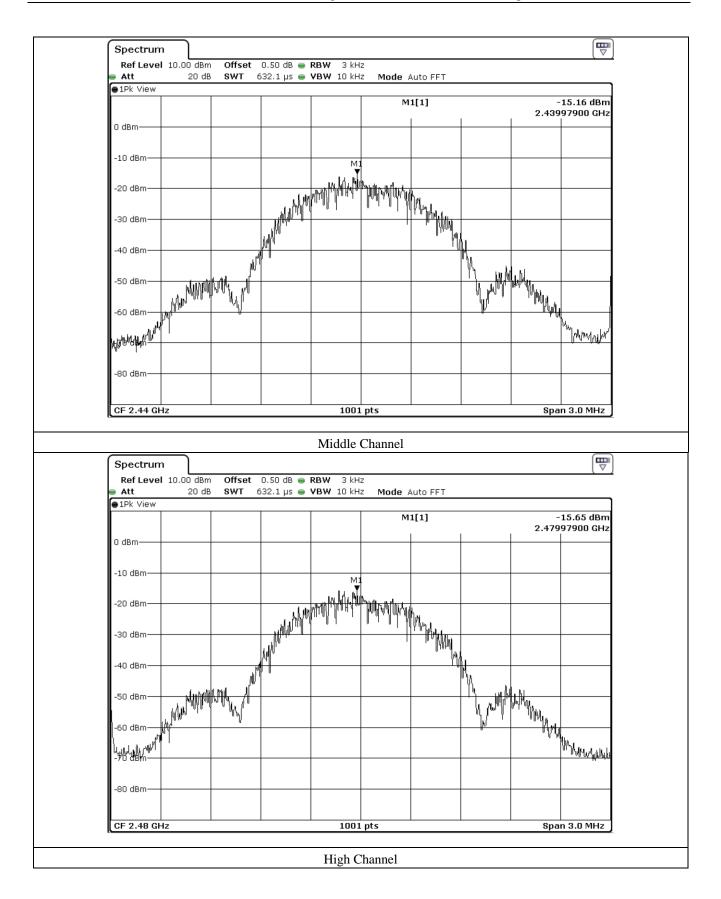
CHANNEL	FREQUENCY(MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
Low	2 402.00	-15.19	8.00	23.19
Middle	2 440.00	-15.16	8.00	23.16
High	2 480.00	-15.65	8.00	23.65

Remark. Margin = Limit – Measured value











## 11. RADIATED EMISSION TEST

# 11.1 Operating environment

Temperature : 23 °C

Relative humidity : 45 % R.H.

#### 11.2 Test set-up

The radiated emissions measurements were on the 3 m semi anechoic chamber. The EUT and other support equipment were placed on a non-conductive turntable above the ground plane. The interconnecting cables from outside test site were inserted into ferrite clamps at the point where the cables reach the turntable.

The frequency spectrum from 30 MHz to 26.5 GHz was scanned and emission levels maximized at each frequency recorded. The system was rotated 360°, and the antenna was varied in height between 1.0 m and 4.0 m in order to determine the maximum emission levels. This procedure was performed for both horizontal and vertical polarization of the receiving antenna.

## 11.3 Test equipment used

	Model Number	Manufacturer	Description	Serial Number	Last Cal.
■ -	FSV40	Rohde & Schwarz	Signal Analyzer	101009	Mar. 11, 2019 (1Y)
■ -	ESU	Rohde & Schwarz	EMI Test Receiver	100261	Mar. 28, 2019 (1Y)
■-	310N	Sonoma Instrument	Pre-Amplifier	312544	Mar. 18, 2019 (1Y)
■ -	BBV 9718B	Schwarzbeck	Amplifier	009	Mar. 20, 2019 (1Y)
	SCU40A	Rohde & Schwarz	Signal Conditioning unit	100436	Mar. 11, 2019 (1Y)
■ -	DT3000-3t	Innco System	Turn Table	DT3000/093	N/A
■-	MA-4000XPET	Innco System	Antenna Master	MA4000/509	N/A
■ -	VULB9163	Schwarzbeck	TRILOG Broadband Antenna	777	Apr. 13, 2018 (2Y)
■ -	BBHA9120D	Schwarzbeck	Horn Antenna	9120D-1366	Jul. 16, 2019 (1Y)
■ -	BBHA9170	Schwarzbeck	Horn Antenna	BBHA9170179	Jan. 16, 2019 (1Y)
■ -	VAMP9243	Schwarzbeck	ROD ANTENNA	VAMP9243	Mar. 14, 2019 (2Y)



## 11.4 Test data

## 11.4.1 Test data for 30 MHz ~ 1 GHz

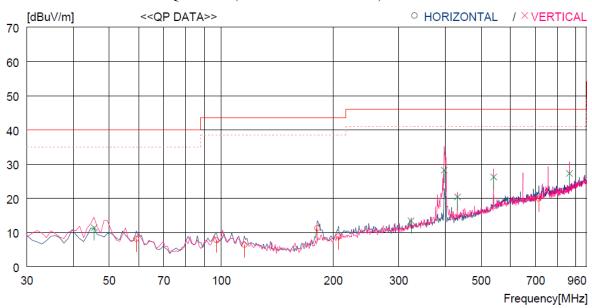
Humidity Level : 45 % R.H. Temperature: 23 °C

Limits apply to : FCC CFR 47, PART 15, SUBPART C, SECTION 15.247

Result : PASSED

EUT : Insulin Pump Date: September 23, 2019 ~ September 27, 2019

Detector : CISPR Quasi-Peak (6 dB Bandwidth: 120 kHz)



No.	FREQ	READING QP F	ANT ACTOR	LOSS	GAIN	RESULT	LIMIT	MARGIN	ANTENNA	TABLE
	[MHz]	[dBu∀]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[DEG]
H	orizontal -									
1 2 3 4 5 6	59.100 96.930 115.360 181.320 206.540 714.815	31.2 27.5	13.3 12.1 10.9 9.9 11.0 20.2	1.8 2.2 2.5 3.1 3.3 6.2	33.1 33.0 33.0 33.0 33.0 33.3	8.1 7.8 6.4 11.2 8.8 19.9	40.0 43.5 43.5 43.5 43.5 46.0	31.9 35.7 37.1 32.3 34.7 26.1	200 100 200 400 300 100	0 359 0 172 20 162
Ve	ertical									
7 8 9 10 11 12	45.520 323.910 397.630 431.581 540.220 864.190	40.9 32.7 35.8	14.5 14.1 15.8 16.0 18.3 21.9	1.5 4.1 4.6 4.8 5.4 6.9	33.1 33.0 33.1 33.1 33.3 32.7	11.4 13.4 28.2 20.4 26.2 27.3	40.0 46.0 46.0 46.0 46.0 46.0	28.6 32.6 17.8 25.6 19.8 18.7	100 300 200 100 100 200	318 0 359 52 0 163

Tested by: Hyung-Kwon, Oh / Assistant Manager

Page 41 of 41 Report No.: OT-19O-RWD-016

## 11.4.2 Test data for Below 30 MHz

-. Test Date : September 23, 2019 ~ September 27, 2019

-. Resolution bandwidth : 200 Hz (from 9 kHz to 0.15 MHz), 9 kHz (from 0.15 MHz to 30 MHz)

-. Frequency range : 9 kHz ~ 30 MHz

-. Measurement distance : 3 m

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBμV)	Ant. Height (m)	0	Ant. Factor (dB/m)	Emission Level(dBμV/m)	Limits (dBµV/m)	Margin (dB)

It was not observed any emissions from the EUT.

## 11.4.3 Test data for above 1 GHz

-. Test Date : September 23, 2019 ~ September 27, 2019

-. Resolution bandwidth : 1 MHz for Peak and Average Mode

-. Video bandwidth : 1 MHz for Peak Mode, 10 Hz for Average Mode

-. Frequency range : 1 GHz ~ 26.5 GHz

-. Measurement distance : 3 m

-. Operating mode : Transmitting mode

It was not observed any emissions from the EUT.

Tested by: Hyung-Kwon, Oh / Assistant Manager