







For Question,
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TEST REPORT

FCC ID: 2AXYP-OSW-821N

Product: Smart Watch

Model No.: OSW-821N

Trade Mark: oraimo

Report No.: WSCT-A2LA-R&E240500022A-LE

Issued Date: 31 May 2024

Issued for:

ORAIMO TECHNOLOGY LIMITED
FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI
STREET FOTAN NT HONGKONG

Issued By:

World Standardization Certification & Testing Group(Shenzhen) Co.,Ltd.
Building A-B, Baoshi Science & Technology Park, Baoshi Road,
Bao'an District, Shenzhen, Guangdong, China

TEL: +86-755-26996192 FAX: +86-755-86376605

Note: The results contained in this report pertain only to the tested sample. This report shall not be reproduced, except in full, without written approval of World Standardization Certification & Testing ** Group(Shenzhen) Co., Ltd. This report must not be used by the client to claim product certification, approval, or any agency of the U.S. Government.

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Certificate #5768.01

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Test Certification

Product: Smart Watch

Model No .: OSW-821N

Additional Model:

ORAIMO TECHNOLOGY LIMITED

FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 Applicant:

SHAN MEI STREET FOTAN NT HONGKONG

ORAIMO TECHNOLOGY LIMITED

FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 Manufacturer:

SHAN MEI STREET FOTAN NT HONGKONG

17 May 2024 Date of receipt:

Date of Test: 17 May 2024 ~ 30 May 2024

Applicable FCC CFR Title 47 Part 15 Subpart C Section 15.247

Standards: KDB 558074 D01 DTS Meas Guidance v04

The above equipment has been tested by World Standardization Certification & Testing Group(Shenzhen)Co., Ltd. and found compliance with the requirements set forth in the technical standards mentioned above. The results of testing in this report apply only to the product/system, which was tested. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

Tested By:

Checked By:

(Qin Shuiguan)

Approved By:

(Liu Fuxin)

(Wang Xiang)

Date:

World Standardization Certification (Jeffin

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2. Test Result Summary

	2157X4 m m 2157X4 m		/ 1/2 T H H
7	Requirement	CFR 47 Section	Result
	Antenna requirement	§15.203/§15.247 (c)	PASS
0	AC Power Line Conducted Emission	§15,207	PASS
	Conducted Peak Output Power	§15.247 (b)(3) §2.1046	PASS
	6dB Emission Bandwidth	§15.247 (a)(2) §2.1049	PASS
	Power Spectral Density	§15.247 (e)	PASS
	Band Edge	1§5.247(d) §2.1051, §2.1057	PASS
	Spurious Emission	§15.205/§15.209 §2.1053, §2.1057	PASS

Note:

- 1. PASS: Test item meets the requirement.
- 2. Fail: Test item does not meet the requirement.
- 3. N/A: Test case does not apply to the test object.
- 4. The test result judgment is decided by the limit of test standard.

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3. **EUT** Description

Product Name:	Smart Watch
Model :	OSW-821N
Trade Mark:	oraimo
Frequency Range:	1M:2402-2480MHz(TX/RX) 2M: 2404-2478MHz(TX/RX)
Channel Separation:	2MHz
Number of Channel:	40
Modulation Technology:	GFSK
Antenna Type	Integral Antenna
Antenna Gain:	-1.34dBi
Operating Voltage	Li-ion Battery: 592127 Voltage: 3.8V Rated Capacity: 340mAh 1.292Wh Limited Charge Voltage: 4.35V
Remark:	N/A.

Note: 1. N/A stands for no applicable.

2. Antenna gain provided by the applicant

Operation Frequency each of channel

Operatio	ii i icqueile	y caon o	Onamici	C Shinney Manager	Party.	Establishment			
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency		
0	2402MHz	10	2422MHz	20	2442MHz	30	2462MHz		
1	2404MHz	11	2424MHz	21	2444MHz	31	2464MHz		
	A STATE OF		A THE STATE OF THE		1937		(Tarana)		
8	2418MHz	18	2438MHz	28	2458MHz	38	2478MHz		
9	2420MHz	19	2440MHz	29	2460MHz	39	2480MHz		
Remark:	Remark: 1M Channel 0, 19 & 39 have been tested.								
ATTITUTE	2M Channel	1 10 8 3	2M Channel 1 10 & 38 have been tested						

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4. Genera Information

4.1. Test environment and mode

Operating Environment:					
Temperature:	25.0 °C				
Humidity:	56 % RH				
Atmospheric Pressure:	1010 mbar				
Test Mode:					
Engineering mode:	Keep the EUT in continuous transmitting by select channel and modulations(The value of duty cycle is 98.46%) with Fully-charged battery.				

The sample was placed (0.1m below 1GHz, 1.5m above 1GHz) above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case are shown in Test Results of the following pages.

4.2. Description of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Equipment Model No.		Serial No.	FCC ID	Trade Name
X	/		1	/ /
Adapter	U180IED	(m)	1	1

Note:

- 1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
- Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.
- 3. For conducted measurements (Output Power, 6dB Emission Bandwidth, Power Spectral Density, Spurious Emissions), the antenna of EUT is connected to the test equipment via temporary antenna connector, the antenna connector is soldered on the antenna port of EUT, and the temporary antenna connector is listed in the

Test Instruments.



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5. Facilities and Accreditations

5.1. Facilities

All measurement facilities used to collect the measurement data are located at Building A-B, Baoshi Science & Technology Park, Baoshi Road, Bao'an District, Shenzhen, Guangdong, China of the World Standardization Certification & Testing Group(Shenzhen) CO., LTD

The sites are constructed in conformance with the requirements of ANSI C63.4 and CISPR Publication 22. All receiving equipment conforms to CISPR Publication 16-1, "Radio Interference Measuring Apparatus and Measurement Methods."

5.2. ACCREDITATIONS

CNAS - Registration Number: L3732

China National Accreditation Service for Conformity Assessment, The test firm Registration

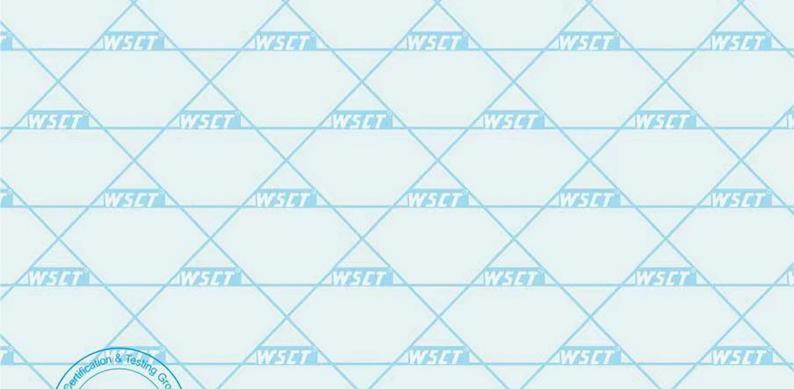
Number: L3732

FCC - Designation Number: CN1303

World Standardization Certification & Testing Group(Shenzhen) CO., LTD. has been accredited as a testing laboratory by FCC(Federal Communications Commission). The test firm Designation Number: CN1303.

A2LA - Certificate Number: 5768.01

The EMC Laboratory has been accredited by the American Association for Laboratory Accreditation (A2LA). Certification Number: 5768.01



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5.3. Measurement Uncertainty

The reported uncertainty of measurement y ± U, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95 %

	COLLINGE	X	
1	No.	Item	MU
	1	Conducted Emission Test	±3.2dB
	2	RF power, conducted	±0.16dB
	3//-/	Spurious emissions, conducted	±0.21dB
	4	All emissions, radiated(<1GHz)	±4.7dB
/	5	All emissions, radiated(>1GHz)	±4.7dB
	6	Temperature	±0.5°C
	7	Humidity	±2.0%



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5.4.MEASUREMENT INSTRUMENTS

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-	NAME OF EQUIPMENT	MANUFACTURER	MODEL	SERIAL NUMBER	Calibration Date	Calibration Due.	Z
(Test software		EZ-EMC	CON-03A	-	Χ-	
	Test software	(MTS8310	(1) A	- 4	222	
49	EMI Test Receiver	R&S	ESCI	100005	11/05/2023	11/04/2024	
	LISN	AFJ	LS16	16010222119	11/05/2023	11/04/2024	
	LISN(EUT)	Mestec	AN3016	04/10040	11/05/2023	11/04/2024	7
(Universal Radio Communication Tester	R&S	CMU 200	1100.0008.02	11/05/2023	11/04/2024	
	Coaxial cable	Megalon	LMR400	N/A	11/05/2023	11/04/2024	
70	GPIB cable	Megalon	GPIB	N/A	11/05/2023	11/04/2024	
	Spectrum Analyzer	R&S	FSU	100114	11/05/2023	11/04/2024	
	Pre Amplifier	HP	HP8447E	2945A02715	11/05/2023	11/04/2024	7
	Pre-Amplifier	CDSI	PAP-1G18-38	-	11/05/2023	11/04/2024	
	Bi-log Antenna	SCHWARZBECK	VULB9168	01488	7/29/2023	7/28/2024	
8	9*6*6 Anechoic		THE STATE OF THE S	(VATE)	11/05/2023	11/04/2024	
	Horn Antenna	COMPLIANCE ENGINEERING	CE18000		11/05/2023	11/04/2024	
	Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-631	11/05/2023	11/04/2024	1
	Cable	TIME MICROWAVE	LMR-400	N-TYPE04	11/05/2023	11/04/2024	2
1	System-Controller	ccs	N/A	N/A	N.C.R	N.C.R	
1	Turn Table	ccs	N/A	N/A	N.C.R	N.C.R	
4	Antenna Tower	ccs	N/A	N/A	N.C.R	N.C.R	
	RF cable	Murata	MXHQ87WA300 0	-	11/05/2023	11/04/2024	1
	Loop Antenna	EMCO	6502	00042960	11/05/2023	11/04/2024	
	Horn Antenna	SCHWARZBECK	BBHA 9170	1123	11/05/2023	11/04/2024	
(Power meter	Anritsu	ML2487A	6K00003613	11/05/2023	11/04/2024	
7	Power sensor	Anritsu	MX248XD	(123 de la 1	11/05/2023	11/04/2024	
N	Spectrum Analyzer	Keysight	N9010B	MY60241089	11/05/2023	11/04/2024	-
					~ /		



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Test Results and Measurement Data 6.

6.1. Antenna requirement

Standard requirement: FCC Part15 C Section 15.203 /247(c)

15.203 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. permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, 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.

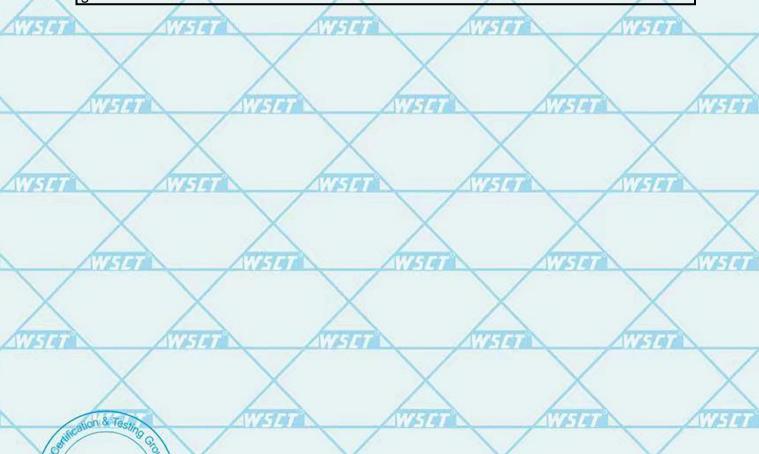
15.247(c) (1)(i) requirement:

(i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.

E.U.T Antenna:

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The Bluetooth antenna is a Integral Antenna. it meets the standards, and the best case gain of the antenna is -1.34dBi.











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6.2. Conducted Emission

.2.1. Test Specification	
Test Requirement:	FCC Part15 C Section 15.207
Test Method:	ANSI C63.10:2014
Frequency Range:	150 kHz to 30 MHz
Receiver setup:	RBW=9 kHz, VBW=30 kHz, Sweep time=auto
Limits:	Frequency range (MHz) Limit (dBuV) 0.15-0.5 66 to 56* 56 to 46* 0.5-5 56 46 5-30 60 50
\times	Reference Plane
Test Setup:	Adapter E.U.T Adapter Filter AC power
NVETER NVE	Remark E.U.T: Equipment Under Test LISN: Line Impedence Stabilization Network Test table height=0.8m
Test Mode:	Charging + Transmitting Mode
Wister	 The E.U.T is connected to an adapter through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH
Test Procedure:	coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs). 3. Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to
	ANSI C63.10:2014 on conducted measurement.
Test Result:	PASS

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Report No.: WSCT-A2LA-R&E240500022A-LE

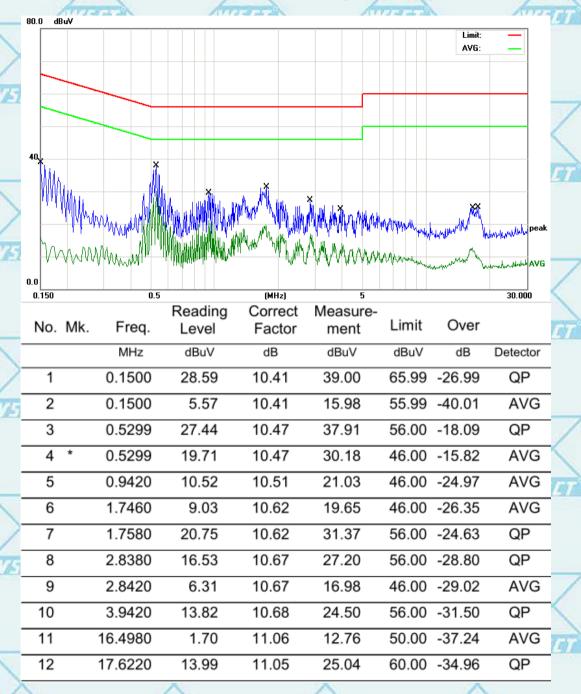
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6.2.1. Test data

	Temperature	20 ℃	Relative Humidity	48%
7	Pressure	1010 hPa	Test Mode	Bluetooth + charging

Conducted Emission on Line Terminal of the power line (150 kHz to 30MHz)





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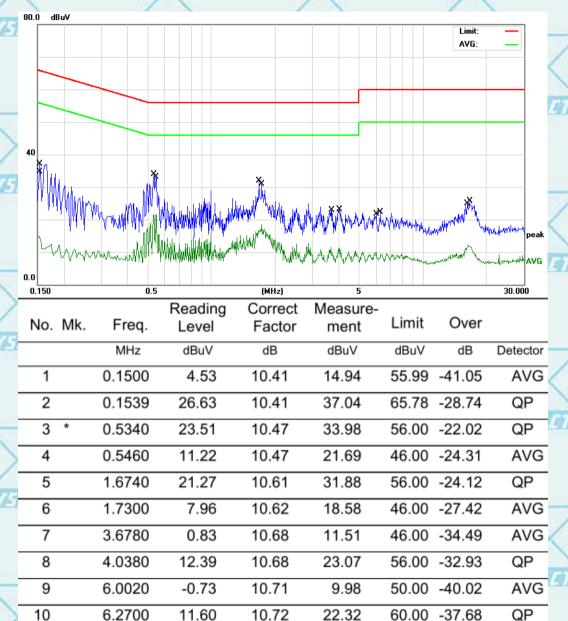




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Conducted Emission on Neutral Terminal of the power line (150 kHz to 30MHz) Please Contact with WSCT



Note1:

11

12

Freq. = Emission frequency in MHz

Reading level $(dB\mu V)$ = Receiver reading

16.3420

16.6259

Corr. Factor (dB) = LISN Factor + Cable loss

Measurement $(dB\mu V)$ = Reading level $(dB\mu V)$ + Corr. Factor (dB)

1.23

14.56

11.06

11.06

Limit (dBµV) = Limit stated in standard

Margin (dB) = Measurement (dBμV) – Limits (dBμV)

Q.P. = Quasi-Peak AVG =average

is meaning the worst frequency has been tested in the frequency range 150 kHz to 30MHz.

Note1: Measure at all speeds (1Mbps and 2Mbps), only submit worst-case mode (1Mbps).

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12.29

25.62

50.00 -37.71

60.00 -34.38

AVG

QP









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6.3. Conducted Output Power

6.3.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.247 (b)(3)
Test Method:	KDB558074
Limit:	30dBm
Test Setup:	
	Spectrum Analyzer EUT
Test Mode:	Refer to item 4.1
Test Procedure:	 The testing follows the Measurement Procedure of FCC KDB No. 558074 DTS D01 Meas. Guidance v04. Set spectrum analyzer as following: a) Set the RBW ≥ DTS bandwidth. b) Set VBW ≥ 3 x RBW. c) Set span ≥ 3 x RBW d) Sweep time = auto couple. e) Detector = peak.
Test Result:	f) Trace mode = max hold. g) Allow trace to fully stabilize. h) Use peak marker function to determine the peak amplitude level. PASS

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6.3.2. Test Data

2	BLE 1M					
	Test channel	Maximum Conducted Output Power (dBm)	Limit (dBm)	Result		
	Lowest	0.42	30.00	PASS		
	Middle	1.04	30.00	PASS		
	Highest	0.69	30.00	PASS		

ATTITUTE	ALL STREET	ATT TO ATT				
	BLE 2M					
Test	t channel	Maximum Conducted Output Power (dBm)	Limit (dBm)	Result		
L	.owest	0.23	30.00	PASS		
N	Middle	0.88	30.00	PASS		
Н	lighest	0.94	30.00	PASS		

Test plots as follows:

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WHITE	WSGT	AVETUE .	WESTER	WSI
WETER	Wister	WEIGH	NI STATE	176599
WETH	IV-5101	WETER	W-510	Wester
WE191	NIFIE	X	W#-1-01	Wister
11/2/14/	N/STO	VIETUE .	WASTER	NVETO A
steption & Testino	W/5747	X	X	W-5141









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Center 2.402000 GHz #Res BW 2.0 MHz

? May 21, 2024 9:37:12 PM

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#Video BW 6.0 MHz

Span 10.00 MHz Sweep 1.33 ms (10001 pts)

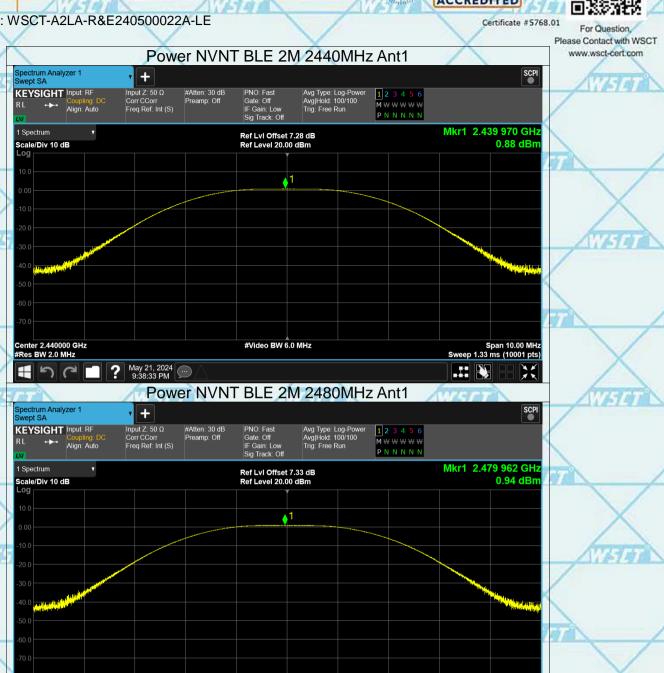








Report No.: WSCT-A2LA-R&E240500022A-LE





Center 2.480000 GHz #Res BW 2.0 MHz

? May 21, 2024 9:40:06 PM

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#Video BW 6.0 MHz

Span 10.00 MHz Sweep 1.33 ms (10001 pts)









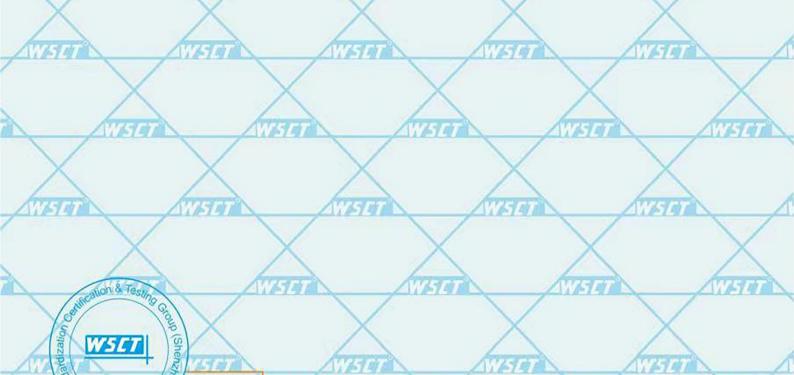
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6.4. Emission Bandwidth

6.4.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.247 (a)(2)
Test Method:	KDB558074
Limit:	>500kHz
Test Setup:	EUT.
Test Mode:	Refer to item 4.1
Test Procedure:	 The testing follows FCC KDB Publication No. 558074 DTS D01 Meas. Guidance v04. Set to the maximum power setting and enable the EUT transmit continuously. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 100 kHz. Set the Video bandwidth (VBW) = 300 kHz. In order to make an accurate measurement. The 6dB bandwidth must be greater than 500 kHz. Measure and record the results in the test report.
Test Result:	PASS



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Signal Comments









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6.4.2. Test data

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			171	

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Toot channel		6dB Emission Bandwidth (kHz)			
	Test channel	BT LE mode	Limit	Result	
	Lowest	0.6556	>500k	ATHE	
	Middle	0.6497	>500k	PASS	
	Highest	0.6565	>500k		

BLE 2M

Test channel		6dB Emission Bandwidth (kHz)			
2	rest chamilei	BT LE mode	Limit	Result	
1	Lowest	0.9406	>500k	110171	
	Middle	1.097	>500k	PASS	
	Highest	1.096	>500k	-	

Test plots as follows:

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	TO NYE			Hai	NISI SI
11614	WEIGH	Wister	W5191	N/S191	
	TO AVE		70	7514	NIE STORE
NV-141	WATER	WESTER	NV-51-01	WETH	
	$\langle \ \rangle$			V5141	VI5141
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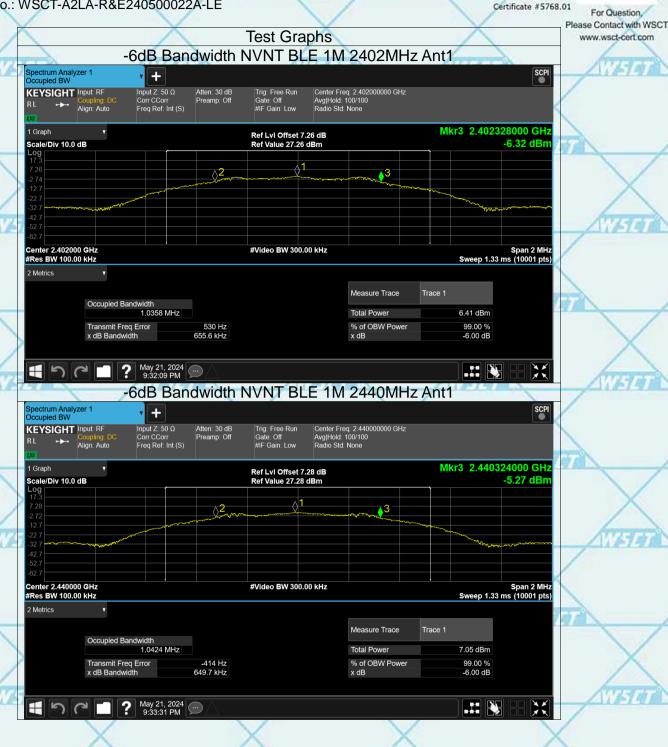








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6.5. Power Spectral Density

6.5.1. Test Specification

FCC Part15 C Section 15.247 (e)
KDB558074
The peak power spectral density shall not be greater than 8dBm in any 3kHz band at any time interval of continuous transmission.
Spectrum Analyzer EUT
Refer to item 4.1
 The testing follows Measurement Procedure 10.2 Method PKPSD of FCC KDB Publication No.558074 D01 DTS Meas. Guidance v04 The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement. Set to the maximum power setting and enable the EUT transmit continuously. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW): 3 kHz ≤ RBW ≤ 100 kHz. Video bandwidth VBW ≥ 3 x RBW. In order to make an accurate measurement, set the span to 1.5 times DTS Channel Bandwidth. (6dB BW) Detector = peak, Sweep time = auto couple, Trace mode = max hold, Allow trace to fully stabilize. Use the peak marker function to determine the maximum power level. Measure and record the results in the test report.
PASS











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6.5.2. Test data

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Test channel		Power Spectral Density (dBm/3kHz)			
	rest charmer	BLE 1M	Limit	Result	
	Lowest	-14.69	8 dBm/3kHz		
	Middle	-12.88	8 dBm/3kHz	PASS	
	Highest	-14.76	8 dBm/3kHz		

	Toot obannal	Power Spectral D	ensity (dBm/3kl	Hz)
7	Test channel	BLE 2M	Limit	Result
	Lowest	-17.70	8 dBm/3kHz	
1	Middle	-16.83	8 dBm/3kHz	PASS
	Highest	-16.15	8 dBm/3kHz	

Test plots as follows:

WASTER WASTER	WETER	WETGE	WST
NVE I II	\times	Wi-10	X
WEST OF THE STATE		W65191	NV-57-01
NVSIGI	\times	WESTER	X
AVETO AVETO		W-51-97	WSTON
schion & Testino	\times	NV-10	X

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Center 2.4400000 GHz #Res BW 3.0 kHz

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#Video BW 10 kHz

Span 975.0 kHz Sweep 103 ms (1001 pts)









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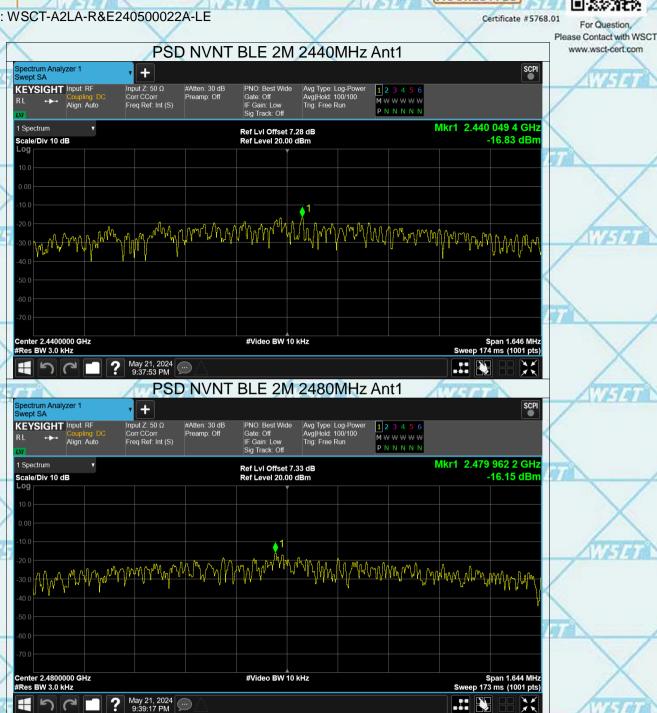








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6.6. Conducted Band Edge and Spurious Emission Measurement









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6.6.1. Test Specification

o.1. Test Specification	6144	16146
Test Requirement:	FCC Part15 C Section 15.24	47 (d)
Test Method:	KDB558074	THE STREET
Limit:	In any 100 kHz bandwidth frequency band, the em non-restricted bands shall be 30dB relative to the maximum RF conducted measurement which fall in the restricted by 15.205(a), must also complete in Section 15.205 and 15.2	nissions which fall in to be attenuated at least 20 do um PSD level in 100 kHz ent and radiated emission bands, as defined in Secti by with the radiated emissi
Test Setup:	Spectrum Analyzer	EUT
Test Mode:	Refer to item 4.1	
Test Procedure:	was compensated to the measurement. 2. Set to the maximum power EUT transmit continuous. 3. Set RBW = 100 kHz, VBW Unwanted Emissions measurement bandwidth outside of the shall be attenuated by at	er setting and enable the sly. W=300 kHz, Peak Detector easured in any 100 kHz easured in any 100 kHz eauthorized frequency bank least 20 dB relative to the PSD level in 100 kHz where output power procedure omplies with the conducter e use of RMS averaging or uation required under this B instead of 20 dB per results in the test report.







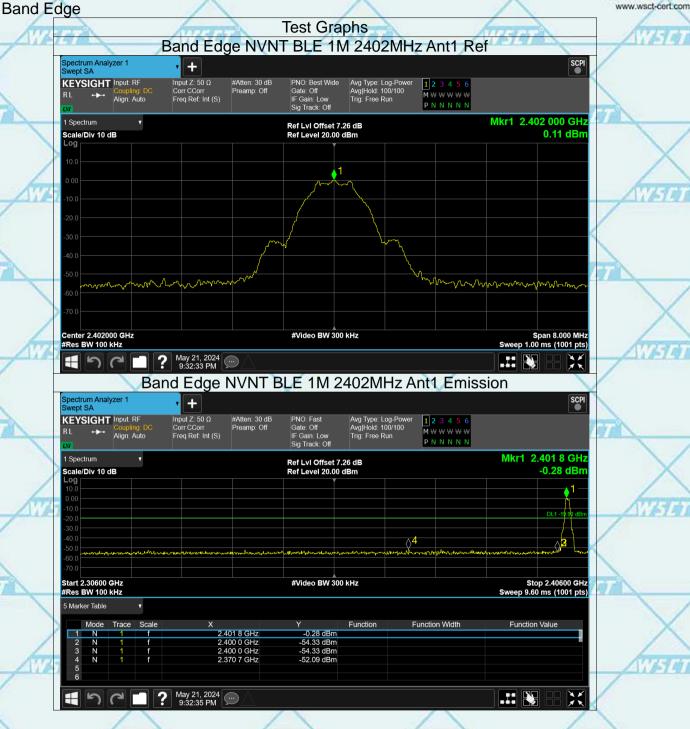




Report No.: WSCT-A2LA-R&E240500022A-LE

Test Data

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2.500 0 GHz 2.499 9 GHz

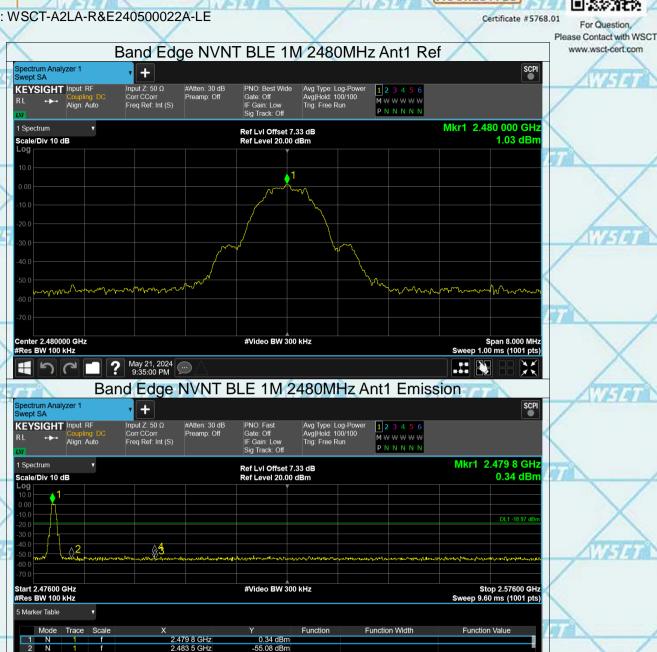
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-56.44 dBm -52.45 dBm









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-49 83 dBm

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6.7. Radiated Spurious Emission Measurement

6.7.1. Test Specification

7.1. Test Specification			1		
Test Requirement:	FCC Part15	C Section	15.209		X
Test Method:	ANSI C63.10):2014	(V210)		172700
Frequency Range:	9 kHz to 25 (GHz			/
Measurement Distance:	3 m			X	
Antenna Polarization:	Horizontal &	Vertical		177	T A
Operation mode:	Refer to item	4.1			
	Frequency 9kHz- 150kHz	Detector Quasi-peak	RBW 200Hz	VBW 1kHz	Remark Quasi-peak Value
Receiver Setup:	150kHz- 30MHz	Quasi-peak	9kHz	30kHz	Quasi-peak Value
W2300 M	30MHz-1GHz Above 1GHz	Quasi-peak Peak Peak	100KHz 1MHz 1MHz	300KHz 3MHz 10Hz	Quasi-peak Value Peak Value Average Value
N/57 m a	0.009-0.4 0.490-1.7	190	Field Stre (microvolts, 2400/F(k 24000/F)	/meter) (Hz)	Measurement Distance (meters) 300 30
	1.705-3 30-88		30 100		30
Limit:	88-216 216-96	0	150 200	ATTE	3 3
CIPTURE CONTRACTOR	Above 9	60	500	ZIE	3
Wiston	Frequency		Strength volts/meter)	Measure Distan (meter	ce Detector
	Above 1GHz		500 5000	3	Average Peak
WEIGHT WI	For radiated	emissions	below 30	MHz	
		stance = 3m			Computer
X		\longrightarrow		Pre -	-Amplifier

Test setup:

Distance = 3m

Computer

Pre -Amplifier

Receiver

30MHz to 1GHz

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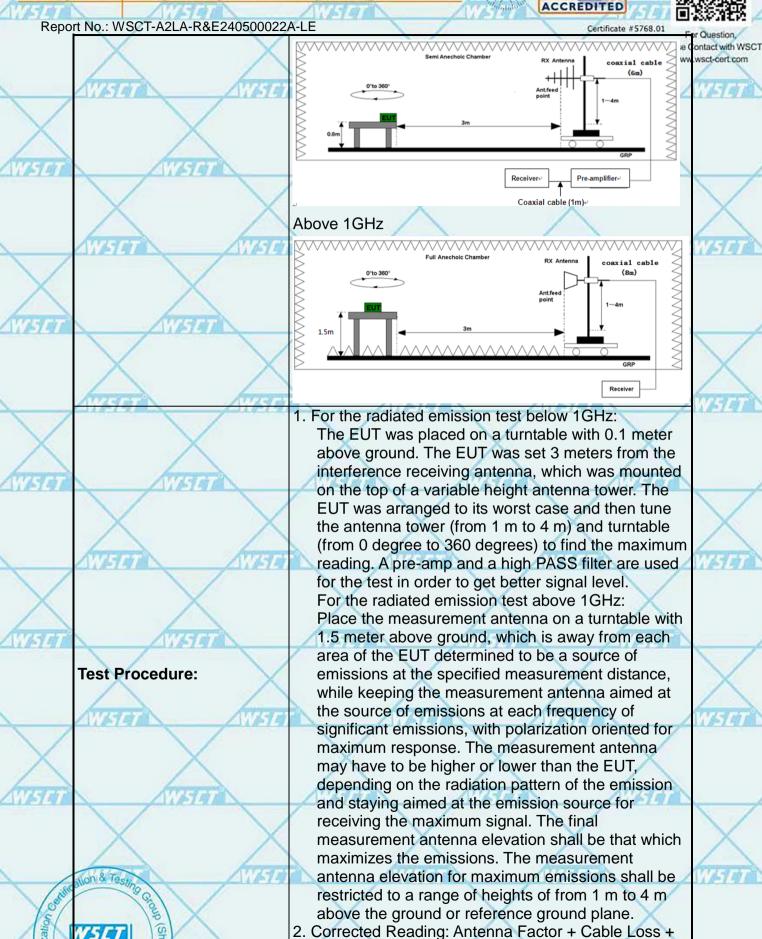
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Report No.: WSCT-A2LA-R&E24050002	2A-LE Certificate #5768.01
X X	Read Level - Preamp Factor = Level 3. For measurement below 1GHz, If the emission level was detector is 3 dB
	lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.
AVI-191	4. Use the following spectrum analyzer settings: (1) Span shall wide enough to fully capture the emission being measured;
WESTER WISTER	 (2) Set RBW=100 kHz for f < 1 GHz; VBW ≥RBW; Sweep = auto; Detector function = peak; Trace = max hold; (3) Set RBW = 1 MHz, VBW= 3MHz for f 1 GHz for peak measurement. For average measurement: VBW = 10 Hz, when
NIETO NIETO	duty cycle is no less than 98 percent. VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
Test mode:	Refer to section 4.1 for details
Test results:	PASS
Note: Freq. = Emission frequency in MH Reading level (dBμV) = Receiver reading	

Note: Freq. = Emission frequency in MHz Reading level (dB μ V) = Receiver reading Corr. Factor (dB) = Attenuation factor + Cable loss Level (dB μ V) = Reading level (dB μ V) + Corr. Factor (dB) Limit (dB μ V) = Limit stated in standard Margin (dB) = Level (dB μ V) – Limits (dB μ V)

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6.7.2. Test Data

Please refer to following diagram for individual

Below 1GHz





7	Vo.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	14
-			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
5	1		31.1798	31.88	-2.57	29.31	40.00	-10.69	QP
E	2	*	36.7662	31.80	-1.90	29.90	40.00	-10.10	QP
×	3		37.6798	30.55	-1.76	28.79	40.00	-11.21	QP
	4		40.9881	25.82	-1.55	24.27	40.00	-15.73	QP
7	5	4	156.4578	26.04	-1.68	24.36	43.50	-19.14	QP
	6	é	58.7943	25.99	8.20	34.19	46.00	-11.81	QP

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Vertical:



- 1								
7	No. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	THE STATE OF
2		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
Ī	1	31.0706	35.52	-2.57	32.95	40.00	-7.05	QP
	2	32.0667	34.93	-2.54	32.39	40.00	-7.61	QP
->	3 *	37.2855	36.71	-1.83	34.88	40.00	-5.12	QP
	4	126.3286	29.16	-3.04	26.12	43.50	-17.38	QP
2	5	857.0247	27.44	6.89	34.33	46.00	-11.67	QP
2	6	962.1623	26.55	8.22	34.77	54.00	-19.23	QP

(MHz)

Note1:

Freq. = Emission frequency in MHz

Reading level $(dB\mu V)$ = Receiver reading

Corr. Factor (dB) = Antenna factor + Cable loss - Amplifier factor.

70 80

Measurement (dB μ V) = Reading level (dB μ V) + Corr. Factor (dB)

Limit ($dB\mu V$) = Limit stated in standard

Margin (dB) = Measurement (dB μ V) - Limits (dB μ V)

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Above 1GHz

	Eroa	Low channel: 2402MHz								
4	Freq. (MHz)	Ant.Pol	Emission I	_evel(dBuV)	Limit 3m(dBuV/m)		Over(dB)			
	(IVITZ)	H/V	PK	AV	PK	AV	PK	AV		
	4804	V	61.00	39.78	74	54	-13.00	-14.22		
×	7206	\ \	62.39	40.19	74	54	-11.61	-13.81		
-	4804	TEH TE	57.24	40.42	74	54	-16.76	-13.58		
	7206	Η	61.40	45.40	74	54	-12.60	-8.60		

_						The state of the s				
	Eroa	Middle channel: 2440MHz								
2	Freq. (MHz)	Ant.Pol	Emission I	_evel(dBuV)	Limit 3m	(dBuV/m)	Over(dB)			
	(IVIIIZ)	H/V	PK	AV	PK	AV	PK	AV		
	4880	V	59.15	41.53	74	54	-14.85	-12.47		
	7320	V	63.96	39.80	74	54	-10.04	-14.20		
	4880	1/5H7	59.26	40.88	74	54	-14.74	-13.12		
	7320	Н	57.68	41.68	74	54	-16.32	-12.32		

					^			
	Eroa							
	Freq. (MHz)	Ant.Pol	Emission L	_evel(dBuV)	Limit 3m	(dBuV/m)	Ove	r(dB)
	(IVIIIZ)	H/V	PK	AV	PK	AV	PK	AV
	4960	V	59.01	40.67	74	54	-14.99	-13.33
	7440	\ \	61.43	40.57	74	54	-12.57	-13.43
1	4960	METT	59.36	40.08	74	54	-14.64	-13.92
	7440	H	60.79	44.79	74	54	-13.21	-9.21

Note:

- 1. All emissions not reported were more than 20dB below the specified limit or in the noise floor.
- 2. Emission Level= Reading Level+Probe Factor +Cable Loss.
- 3. Data of measurement within this frequency range shown "--" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 4. Measure at all speeds (1Mbps and 2Mbps), only submit worst-case mode (1Mbps).













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Restricted Bands Requirements

Test result for GFSK Mode (the worst case)

/	Frequency	Reading	Correct Factor	Emission Level	Limit	Margin	Polar	Detector
_	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	H/V	
¥		CIPISM.		Low Cha	nnel	11019	1	THE
	2390	63.81	-8.76	55.05	74	18.95	Н	PK
	2390	54.94	-8.76	46.18	54	7.82	ī	AV
	2390	60.91	-8.73	52.18	74	21.82	V	PK
1	2390	54.78	-8.73	46.05	54	7.95	V	AV
\			j.	High Cha	nnel	\wedge		
ď	2483.5	61.47	-8.76	52.71	74	21.29	Н	PK
	2483.5	56.34	-8.76	47.58	54	6.42	A	AV
	2483.5	60.73	-8.73	52.00	74	22.00	V	PK
	2483.5	55.65	-8.73	46.92	54	7.08	V	AV

WESTER WESTER WESTER WESTER WESTER	1
XXXXX	
	/
WESTER WESTER	
WEIGHT WEIGHT WEIGHT	,
WATER WATER	

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7. Test Setup Photographs

Please refer to the attachment Set Up Photos-15C

WHA	Please refer to the a	ttachment Set Up Pho	tos-15C	AY FIRE
WEST		OF REPORT****		
WATER	WATER	NV5101	N/27 d d	WATER
WHITE WHI	WIS	WIST.	Wis	
Wester	NV-191	WEG	N/FIG.	WEIGH
WESTER WESTER		Wist	VVIII VVIII	
WEIGH	Wister	N/S/FI	WHITE	N/S/4
NVSIAT NVS				
WEIGH	Wiston	V/5191	Wister	WEIGH
WESTER		AVE I		
	1514	1674	Wester	VI-THE
World Start a Organic Certification (A) Group (Sheet				
World Start in Parts Certification in Only Group (Sher		oshi Science & Technology Park, Baos 26992300 FAX-66-755-86376605 E-m		The second secon

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