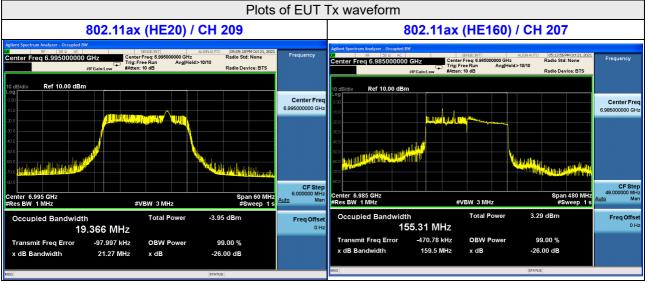
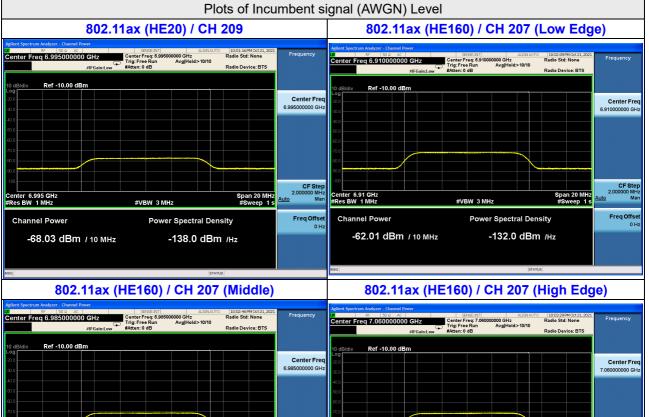


		-	smission in the time domain
Agilent Spectrum Analyzer - Swept SA	802.11ax (HE20)	7 CH 149	802.11ax (HE160) / CH 143 (Low Edge)
Marker 1 1.00000 s	PND: Fast +++ IFGain:Low #Atten: 20 dB	AUGNAUTO  Idealasementation  Marker    Vype: RMS  Tracket Tracket (c) Augnostic C)	Agler Spectra Radger, Snept SA de AF 320 4/2 SENEE//r) Autonutro (2029/59/MO421,201 Marker 11.00000 s PND: Fait -> Trig: External IFGaintow FAtten: 20 dB 10 dB/d/v Ref 10.00 dBm -51.42 dBm 10 dB/d/v Ref 10.00 dBm
0.00 -10.0		No	Normal
-20.0			etita 200 Contra C
-50.0	Injected Interference	signal at 1 sec	or contract of the second seco
-70.0		Propert	400  Properties>    700  Properties>    00  Properties>
Center 6.695000000 GHz Res BW 8 MHz	#VBW 50 MHz*		Ore of 2 Res BW 8 MHz  Span 0 Hz #VBW 50 MHz*  Span 0 Hz Sweep 20.00 s (10000 pts)  More 1 of 2    Visio  (Instrum)  (Instrum)  (Instrum)  (Instrum)
802.1	1ax (HE160) / Cł	H 143 (Middle)	802.11ax (HE160) / CH 143 (High Edge)
Agtlent Spectrum Analyzer - Swept SA 01 RF 50 a AC Marker 1 1.00000 s 10 dB/div Ref 10.00 dBm	PNO: Fast	RUMATIO  0301-7791 cot 21, 2021  Marker    Type: RMS  Total  Total  Total    Type: RMS  Total  Total  Select Mark    Mkr1  1,000  Select Mark    Select Mark  Select Mark	Agterst Spectrum Analyzer - Sworpt SA  SPREEPT    ALIGNATIO  0411225PM 00321.2021  Marker 1    Marker 1  1.00000 s  PNO: Fast
0.00 -10.0			mal 200 Normal Normal Log Delta
-200	Injected Interferenc	Fix	edb Injected Interference signal at 1 sec Fixedb
-60.0			
-70.0			
Center 6.665000000 GHz Res BW 8 MHz	#VBW 50 MHz*	Span 0 Hz Sweep 20.00 s (10000 pts)	of 2  Center for 40000000 of 2  Span of 2



#### For U-NII-8 band





#### CF Ste 2.000000 M Center 6.985 GHz #Res BW 1 MHz Span 20 MHz #Sweep 1 s Center 7.06 GHz #Res BW 1 MHz Span 20 MHz #Sweep 1 s #VBW 3 MHz Auto #VBW 3 MHz Power Spectral Density Channel Power Power Spectral Density Freq Offs Channel Power 0 F -62.01 dBm / 10 MHz -132.0 dBm /Hz -62.02 dBm / 10 MHz -132.0 dBm /Hz

CF St

Freq Off



	Plots of EUT ceased transm	
802.11ax (HE160) / C	CH 207 (Low Edge)	802.11ax (HE160) / CH 207 (Low Edge)
Note: 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 -	AUSTRATIO (05.971-304 0021, 2001 Avg Type: RMS Trice Brance tor Mannet Mkr1 1,000 s -65.33 dBm 1	Apres System Analyzer Swort SA
	Normal Delta	Normal
	Fixed	Injected Interference signal at 1 sec
	Properties>	Orr  Orr    200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200
Center 6.995000000 GHz Res BW 8 MHz #VBW 50 MHz*	Span 0 Hz Sweep 20.00 s (10000 pts)	Center 6.910000000 CHz  Span 0 Hz  More    Res BW 8 MHz  #VBW 50 MHz*  Sweep 20.00 s (10000 pts)  1 of 2    Isso  stratus  stratus  1
802.11ax (HE160)	CH 207 (Middle)	802.11ax (HE160) / CH 207 (High Edge)
Aglent spectram Analyzer - Swept 50 0 8 5 30 a A S 30 A A A S 30 A A S 30 A A S 30 A A S 30 A A A A A A A A A A A A A A A A A A	ALBAUTO 1055037PM Cot21, 2021 Avg Type: RMS TAGE 12 4 5 Tore 12 4 5 Marker Mkrt 1,000 s -60, 19 dBm 1	Adjeted Spectrum Analytin: Swert SA  State Shift  August Anton  October Shift  August Anton  October Shift  Marker    Marker 1 1.00000 s  PHO: Fast  Trig: External  Avg Type: RMS  PHACE It 23 or 50  Marker    If Galaxie  PHO: Fast  Trig: External  Avg Type: RMS  PHACE It 23 or 50  Marker    If Galaxie  PHO: Fast  Trig: External  Avg Type: RMS  PHACE It 23 or 50  Marker    I/O galaxie  PHO: Fast  Fast  Avg Type: RMS  PHACE It 23 or 50  Marker    I/O galaxie  PHO: Fast  Fast  Fast  Avg Type: RMS  PHACE It 23 or 50  Marker    I/O galaxie  PHO: Fast  Fast
	Normal Normal Delta	Normal
	nce signal at 1 sec Fixed⊳	Injected Interference signal at 1 sec
-700	Off Properties≻	
800 Center 6,985000000 GHz Res BW 8 MHz #VBW 50 MHz*	Span 0 Hz  More    Sweep 20.00 s (10000 pts)  1 of 2	More    Center 7.060000000 GHz  Span 0 Hz  1 of 2    Res BW 8 MHz  #VBW 50 MHz*  Sweep 20.00 s (10000 pts)  1 of 2    Isso

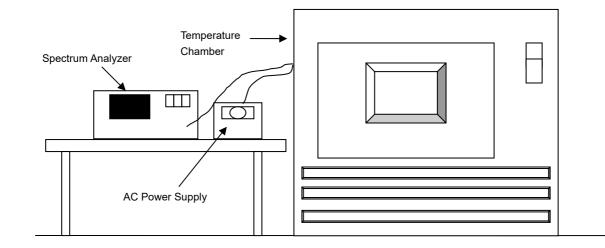


# 4.8 Frequency Stability

# 4.8.1 Limits of Frequency Stability Measurement

The frequency of the carrier signal shall be maintained within band of operation

# 4.8.2 Test Setup



## 4.8.3 Test Instruments

Description & Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due	
Spectrum Analyzer ROHDE & SCHWARZ	FSP40	100040	Sep. 15, 2021	Sep. 14, 2022	
Temperature & Humidity Chamber TERCHY	HRM-120RF	931022	Dec. 24, 2020	Dec. 23, 2021	
Digital Multimeter Fluke	87-111	70360755	Jul. 08, 2021	Jul. 07, 2022	
AC Power Supply Extech	CFW-105	E000603	NA	NA	

Note: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

# 4.8.4 Test Procedure

- a. The EUT was placed inside the environmental test chamber and powered by nominal AC voltage.
- b. Turn the EUT on and couple its output to a spectrum analyzer.
- c. Turn the EUT off and set the chamber to the highest temperature specified.
- d. Allow sufficient time (approximately 30 min) for the temperature of the chamber to stabilize, turn the EUT on and measure the operating frequency after 2, 5, and 10 minutes.
- e. Repeat step d with every 10 degrees reduction until the lowest temperature achieved.
- f. The test chamber was allowed to stabilize at +20 degree C for a minimum of 30 minutes. The supply voltage was then adjusted on the EUT from 85% to 115% and the frequency record.

# 4.8.5 Deviation from Test Standard

No deviation.

# 4.8.6 EUT Operating Condition

Set the EUT transmit at un-modulation mode to test frequency stability.

# 4.8.7 Test Results

#### Nss 1

	Frequency Stability Versus Temp.									
	Operating Frequency: 5955MHz									
Temp.	Power	0 Minute		2 Minute		5 Minute		10 Minute		
	Supply	Measured Frequency (MHz)	Result	Measured Frequency (MHz)	Result	Measured Frequency (MHz)	Result	Measured Frequency (MHz)	Result	
40	120	5955.023	Pass	5955.0195	Pass	5955.0184	Pass	5955.019	Pass	
30	120	5954.9725	Pass	5954.9771	Pass	5954.9734	Pass	5954.9771	Pass	
20	120	5955.0226	Pass	5955.0228	Pass	5955.0218	Pass	5955.0265	Pass	
10	120	5954.975	Pass	5954.9744	Pass	5954.9727	Pass	5954.9735	Pass	
0	120	5955.0212	Pass	5955.0191	Pass	5955.0169	Pass	5955.0172	Pass	

	Frequency Stability Versus Voltage										
	Operating Frequency: 5955MHz										
Temp. (℃)	Power	0 Minute		2 Minute		5 Minute		10 Minute			
		Measured Frequency (MHz)	Result	Measured Frequency (MHz)	Result	Measured Frequency (MHz)	Result	Measured Frequency (MHz)	Result		
	138	5955.0219	Pass	5955.023	Pass	5955.022	Pass	5955.0274	Pass		
20	120	5955.0226	Pass	5955.0228	Pass	5955.0218	Pass	5955.0265	Pass		
	102	5955.0217	Pass	5955.0224	Pass	5955.0215	Pass	5955.0266	Pass		



#### 4.9 Operational Restrictions for 6 GHz U-NII Devices

#### 4.9.1 Limits of Operational Restrictions for 6 GHz U-NII Devices

- (1) Operation of indoor access points in the 5.925-7.125 GHz band is prohibited on oil platforms, cars, trains, boats, and aircraft, except that indoor access points are permitted to operate in the 5.925-6.425 GHz bands in large aircraft while flying above 10,000 feet.
- (2) Operation of transmitters in the 5.925-7.125 GHz band is prohibited for control of or communications with unmanned aircraft systems.
- (3) Transmitters operating under indoor access points are limited to indoor locations.
- (4) In the 5.925-7.125 GHz band, indoor access points must bear the following statement in a conspicuous location on the device and in the user's manual: FCC regulations restrict operation of this device to indoor use only. The operation of this device is prohibited on oil platforms, cars, trains, boats, and aircraft, except that operation of this device is permitted in large aircraft while flying above 10,000 feet.
- (5) In the 5.925-7.125 GHz band, Access points may connect to other access points or subordinate devices.
- (6) Indoor access points, operating in the 5.925-7.125 GHz band must employ a contention-based protocol.

#### 4.9.2 Test Setup

N/A

#### 4.9.3 Test Instruments

N/A

4.9.4 Test Procedure

N/A.

#### 4.9.5 Test Results

Device is an indoor access point, all restrictions are meet the §15.407 (d) requirements. Please refer to the Attestation letter exhibit supplied within this application.



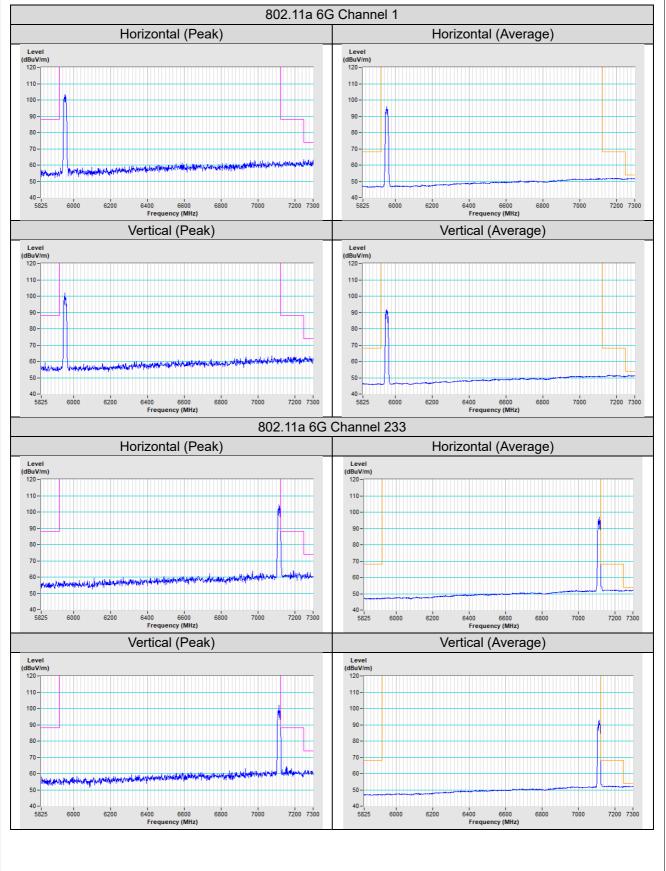
# 5 Pictures of Test Arrangements

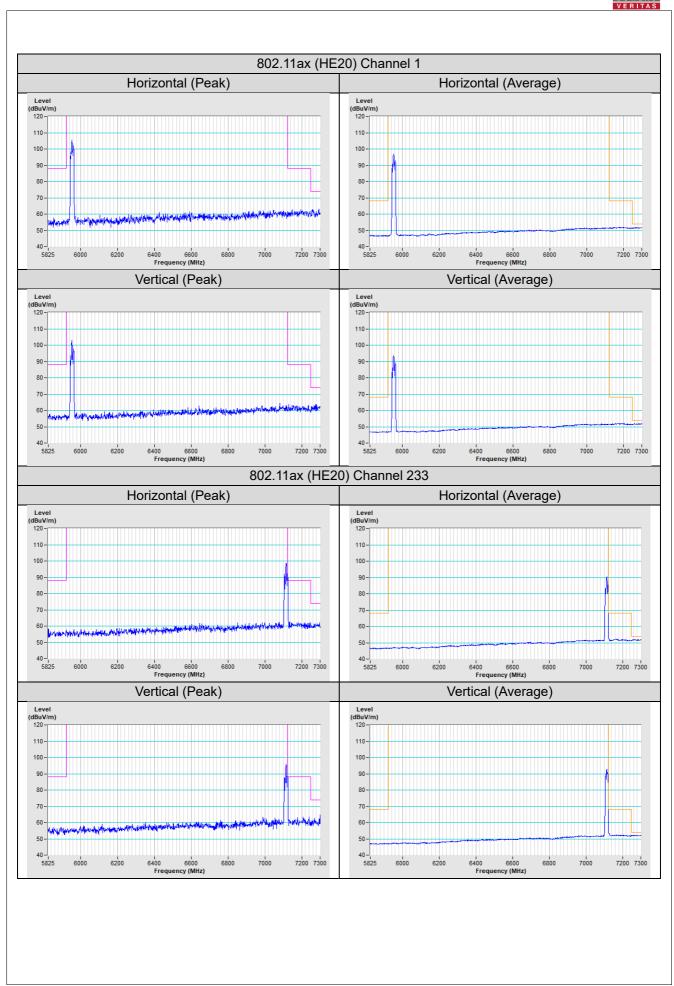
Please refer to the attached file (Test Setup Photo).

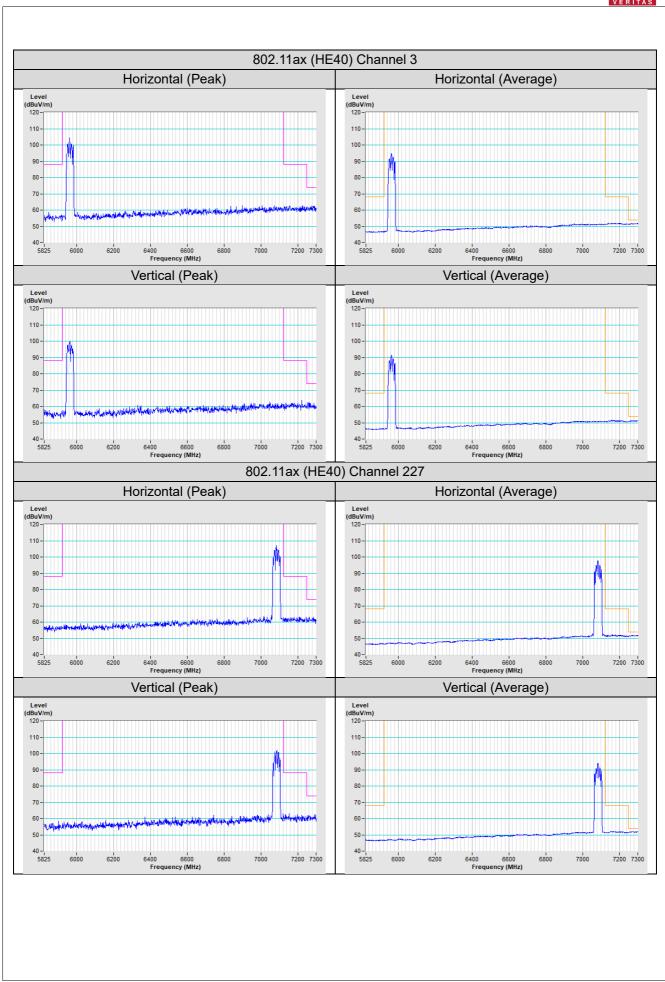


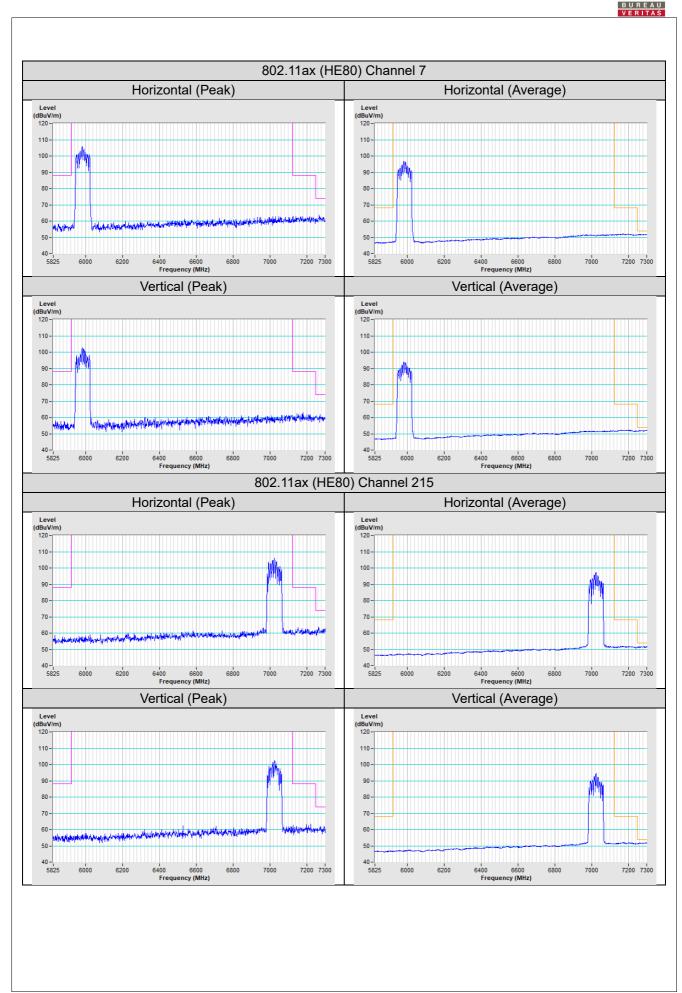
# Annex A - Band Edge Measurement

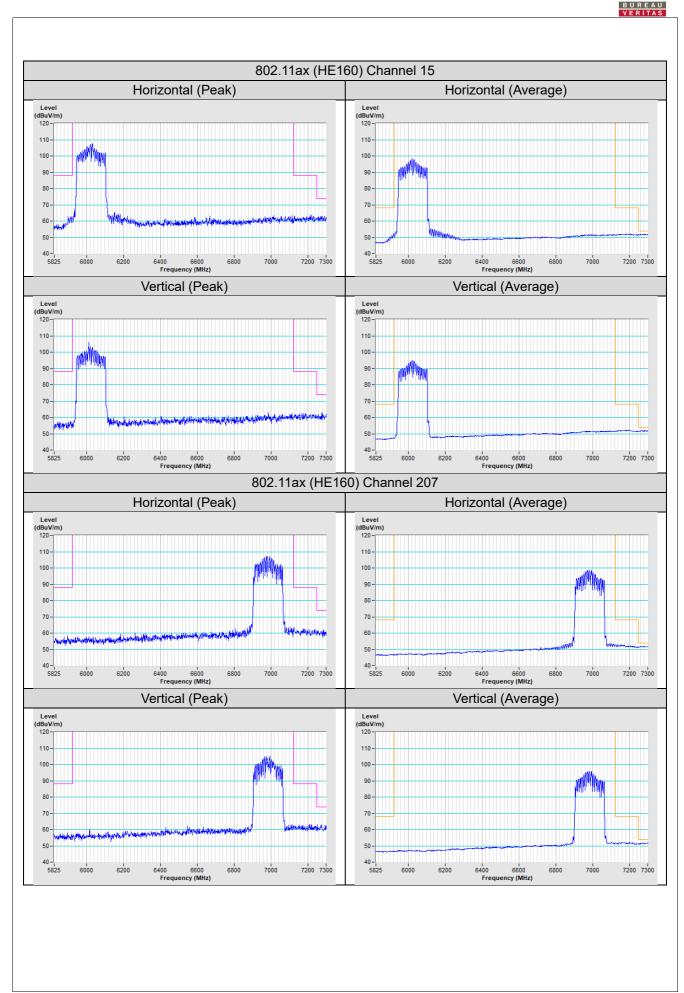
#### Nss 1





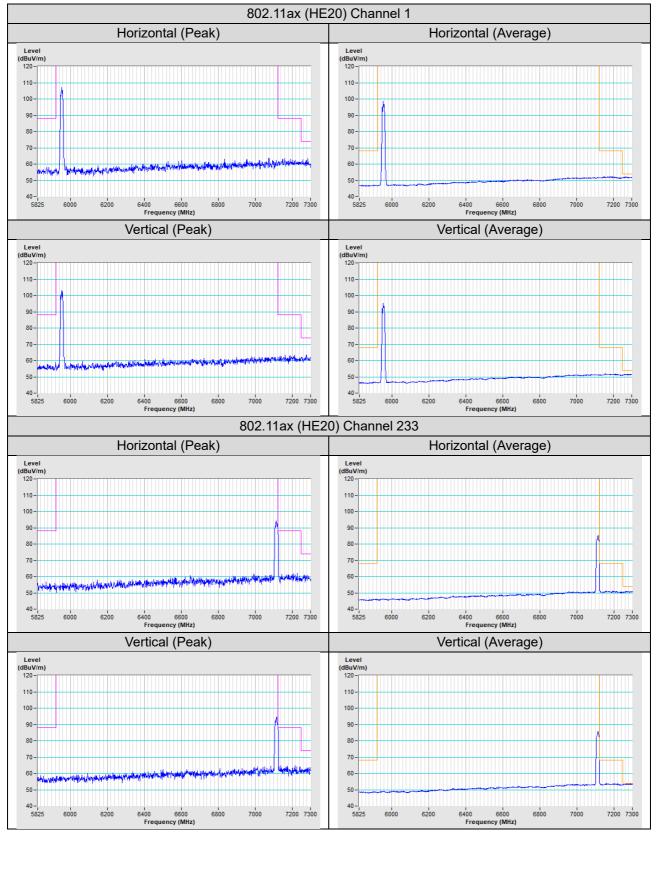


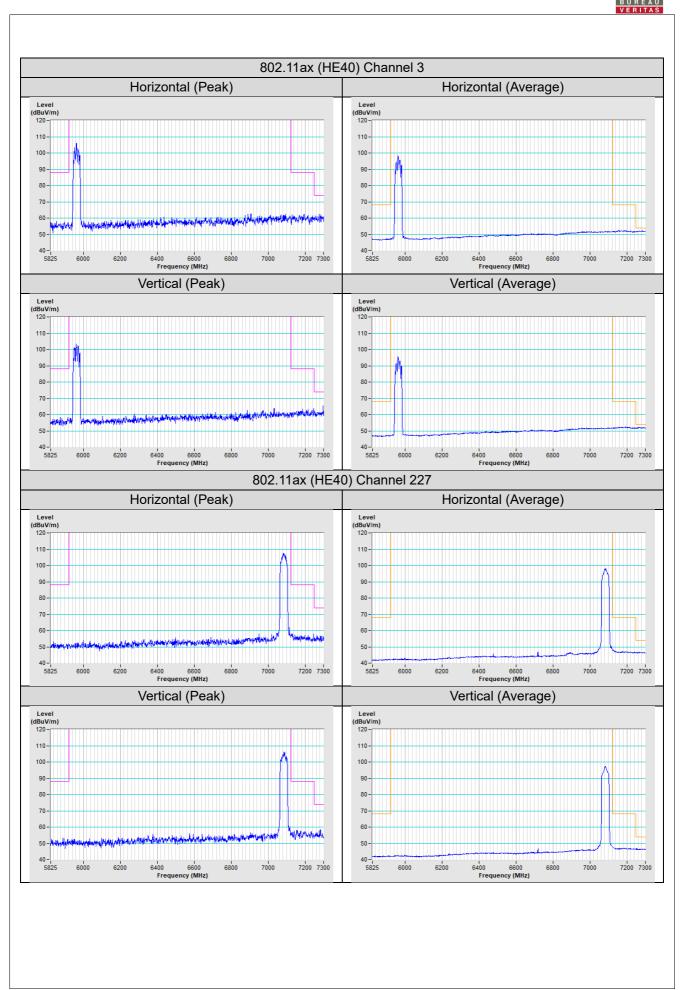


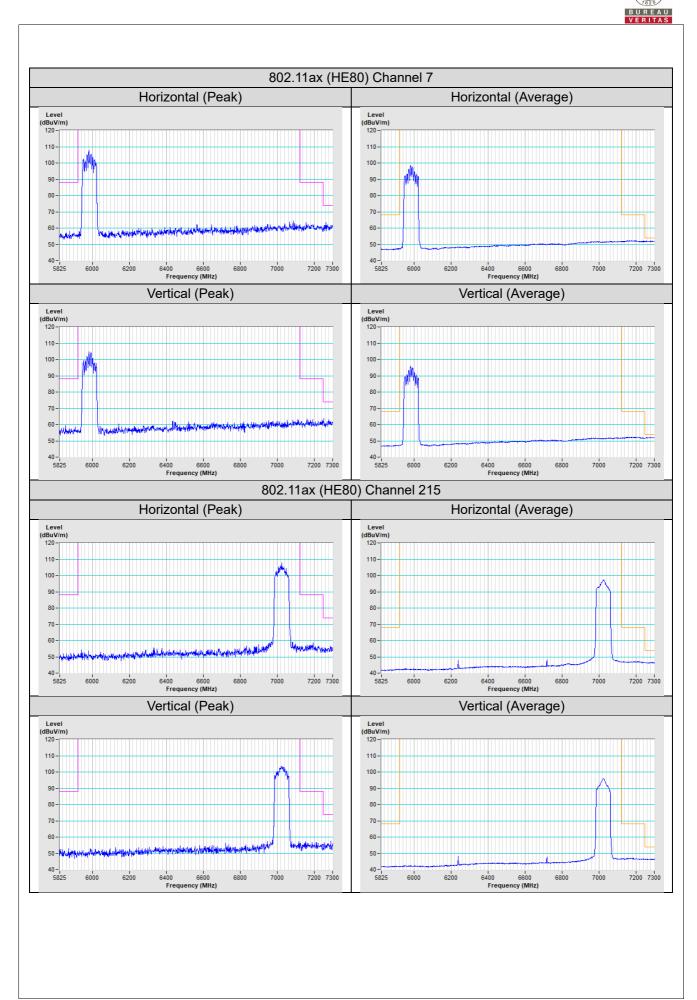


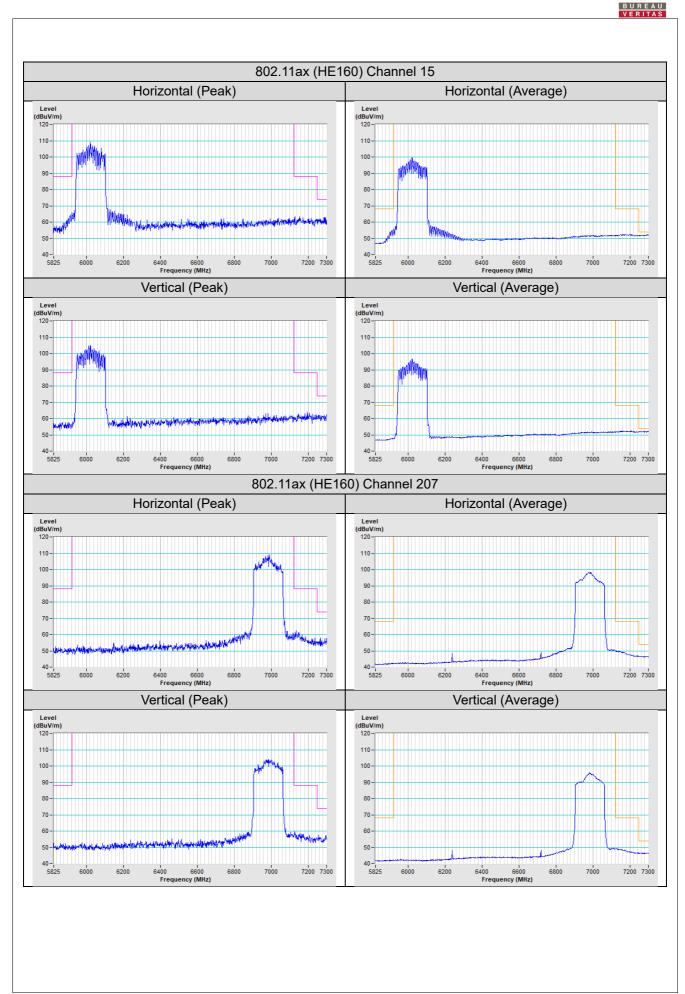


#### Nss 2











#### Appendix – Information of the Testing Laboratories

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are FCC recognized accredited test firms and accredited and approved according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

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Hwa Ya EMC/RF/Safety Tel: 886-3-3183232 Fax: 886-3-3270892

Email: <u>service.adt@tw.bureauveritas.com</u> Web Site: <u>www.bureauveritas-adt.com</u>

The address and road map of all our labs can be found in our web site also.

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