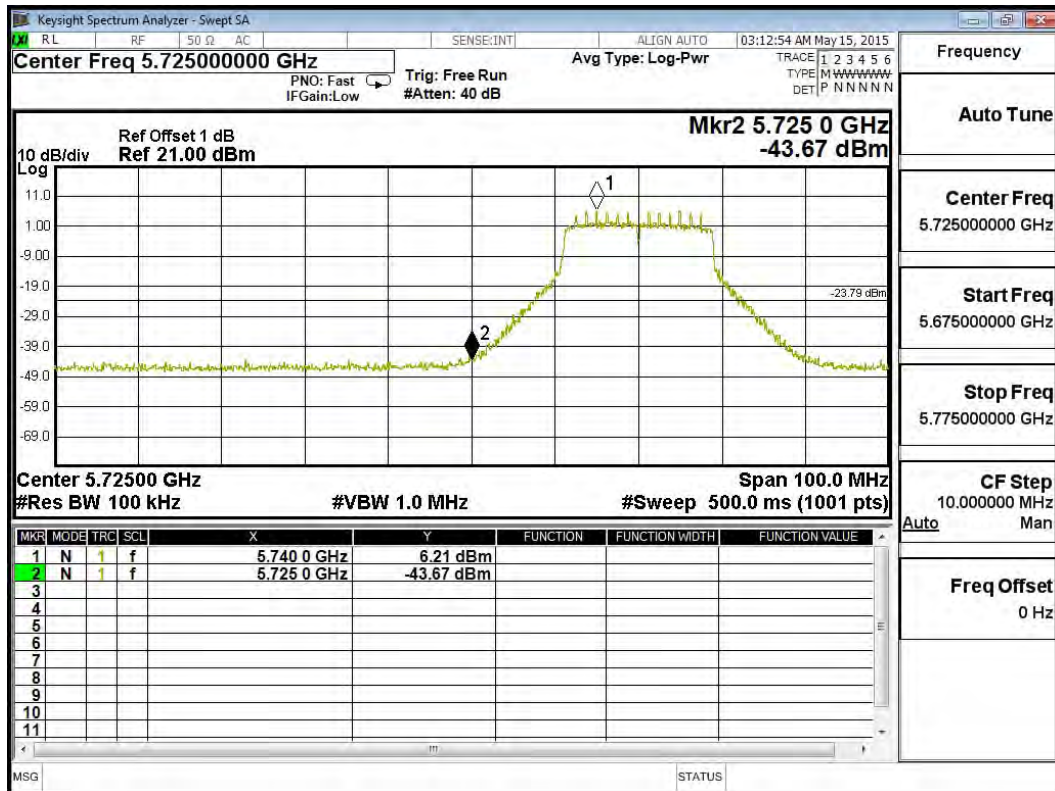


Product : 802.11 ac PCIe Module
Test Item : Band Edge
Test Site : No.3 OATS
Test Mode : Mode 6: Transmit - 802.11n-20BW_14.4Mbps(5G Band)(Grid DISH Antenna)

Chain B

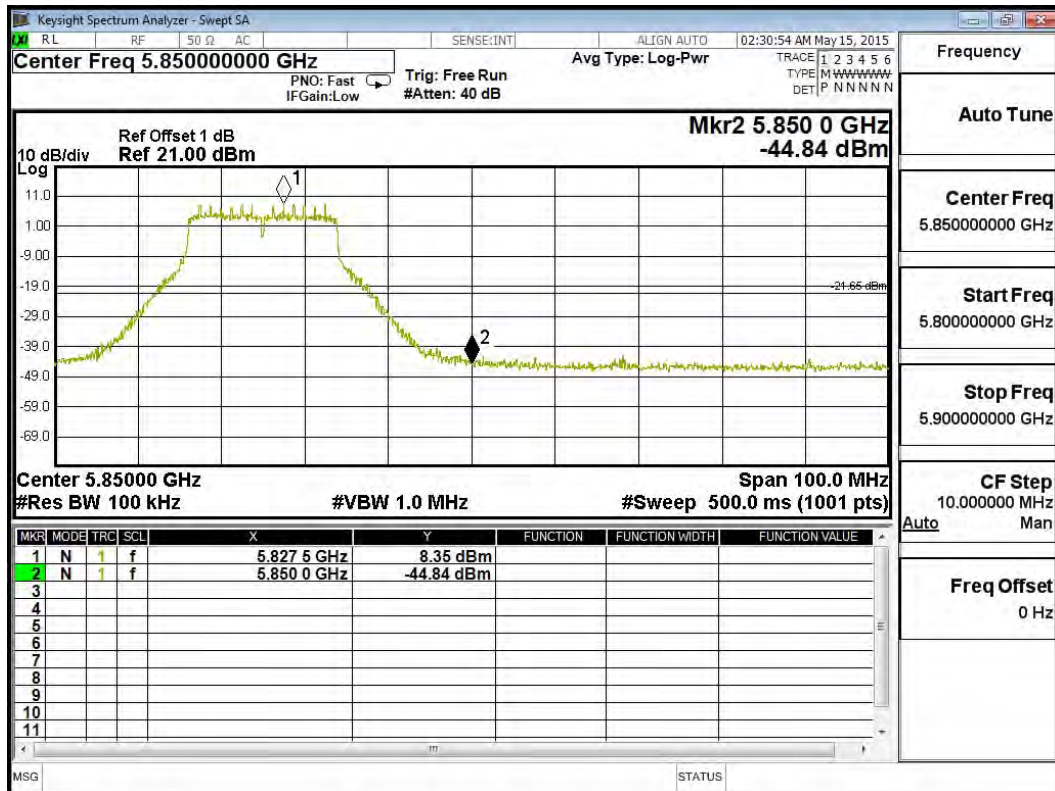
Test Frequency (MHz)	Measurement Level Δ (dB)	Limit Δ (dB)	Result
5745	49.88	>30	PASS



Product : 802.11 ac PCIe Module
Test Item : Band Edge
Test Site : No.3 OATS
Test Mode : Mode 6: Transmit - 802.11n-20BW_14.4Mbps(5G Band)(Grid DISH Antenna)

Chain A

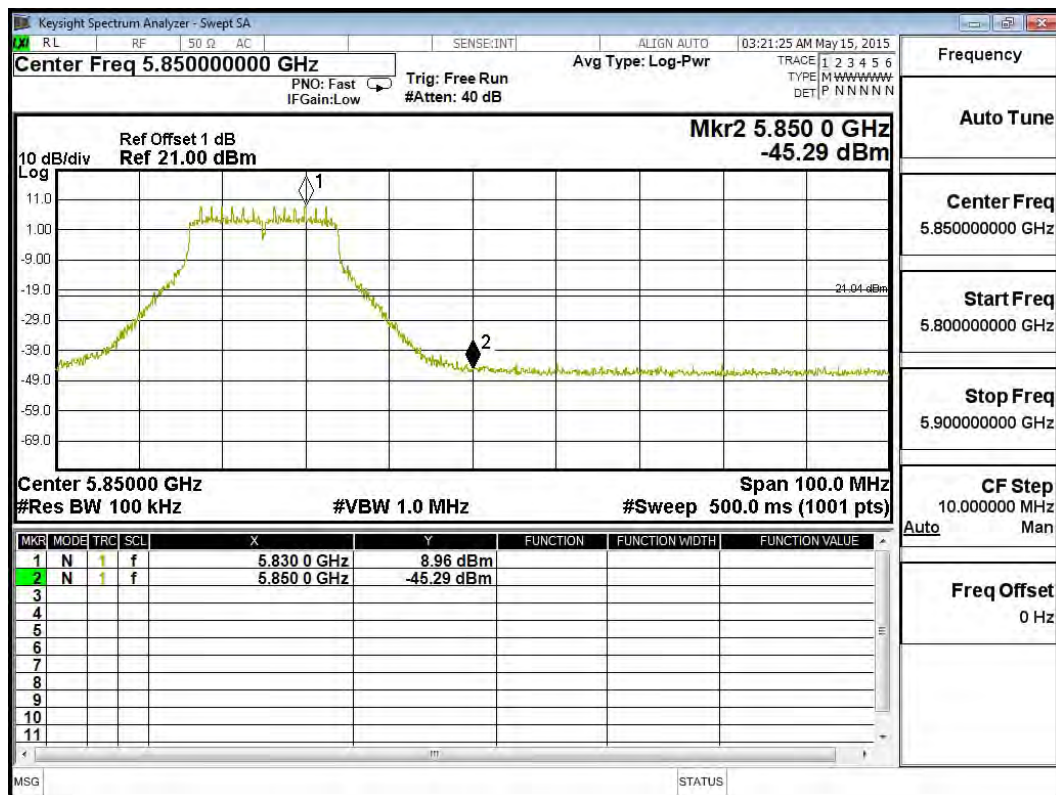
Test Frequency (MHz)	Measurement Level Δ (dB)	Limit Δ (dB)	Result
5825	53.19	>30	PASS



Product : 802.11 ac PCIe Module
Test Item : Band Edge
Test Site : No.3 OATS
Test Mode : Mode 6: Transmit - 802.11n-20BW_14.4Mbps(5G Band)(Grid DISH Antenna)

Chain B

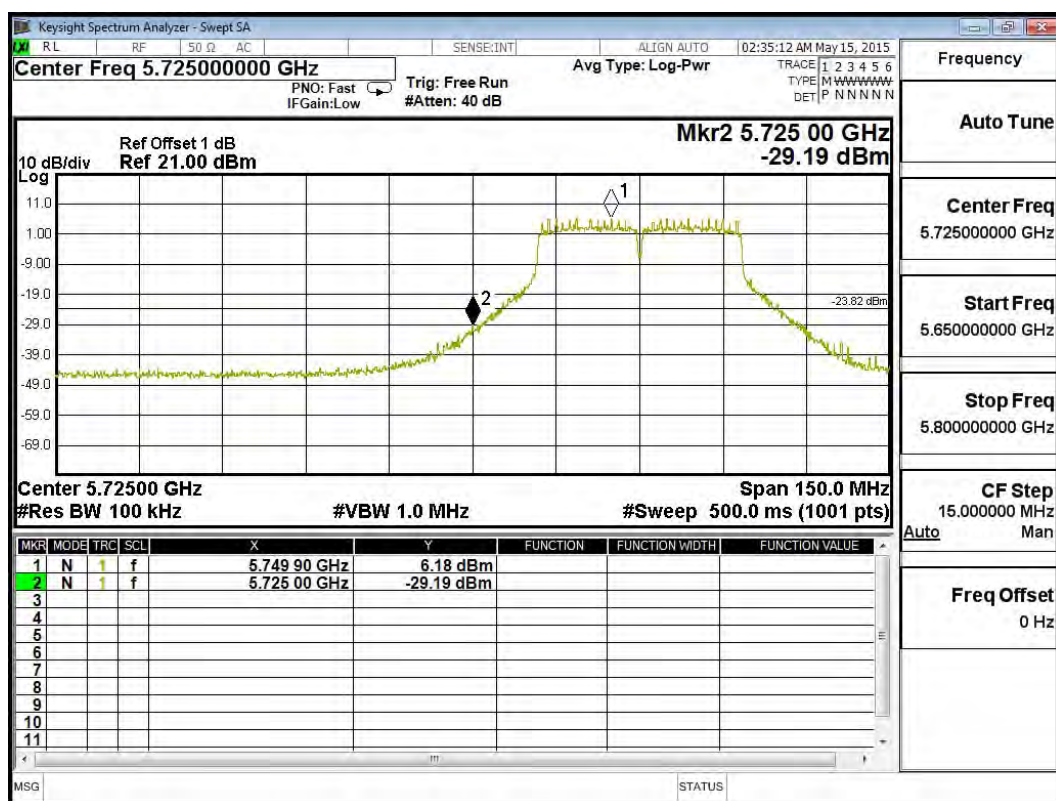
Test Frequency (MHz)	Measurement Level Δ (dB)	Limit Δ (dB)	Result
5825	54.25	>30	PASS



Product : 802.11 ac PCIe Module
Test Item : Band Edge
Test Site : No.3 OATS
Test Mode : Mode 7: Transmit - 802.11n-40BW_30Mbps(5G Band)(Grid DISH Antenna)

Chain A

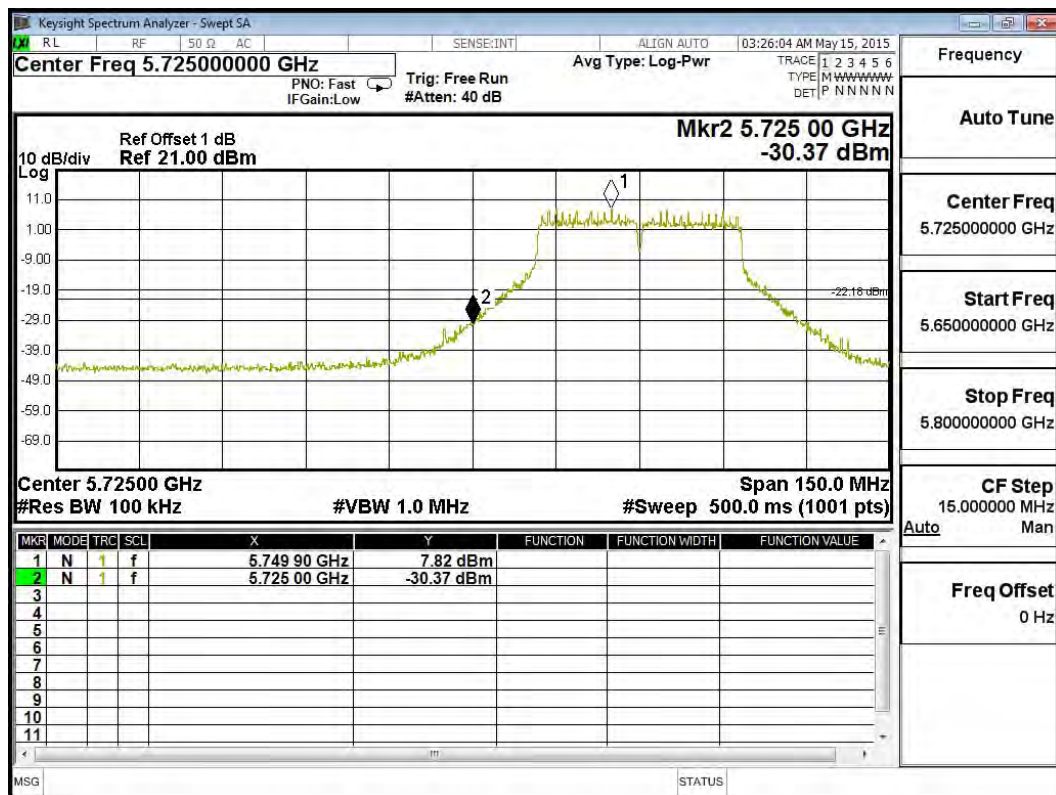
Test Frequency (MHz)	Measurement Level Δ (dB)	Limit Δ (dB)	Result
5755	35.37	>30	PASS



Product : 802.11 ac PCIe Module
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Mode : Mode 7: Transmit - 802.11n-40BW_30Mbps(5G Band)(Grid DISH Antenna)

Chain B

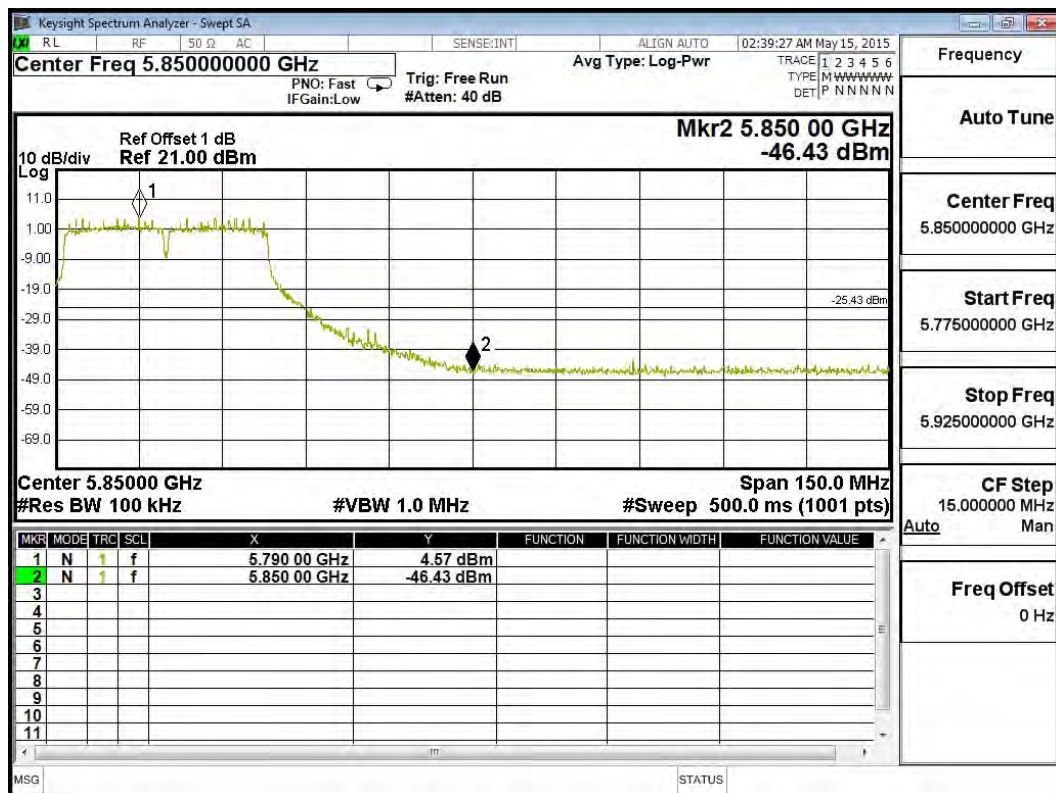
Test Frequency (MHz)	Measurement Level Δ (dB)	Limit Δ (dB)	Result
5755	38.19	>30	PASS



Product : 802.11 ac PCIe Module
Test Item : Band Edge
Test Site : No.3 OATS
Test Mode : Mode 7: Transmit - 802.11n-40BW_30Mbps(5G Band)(Grid DISH Antenna)

Chain A

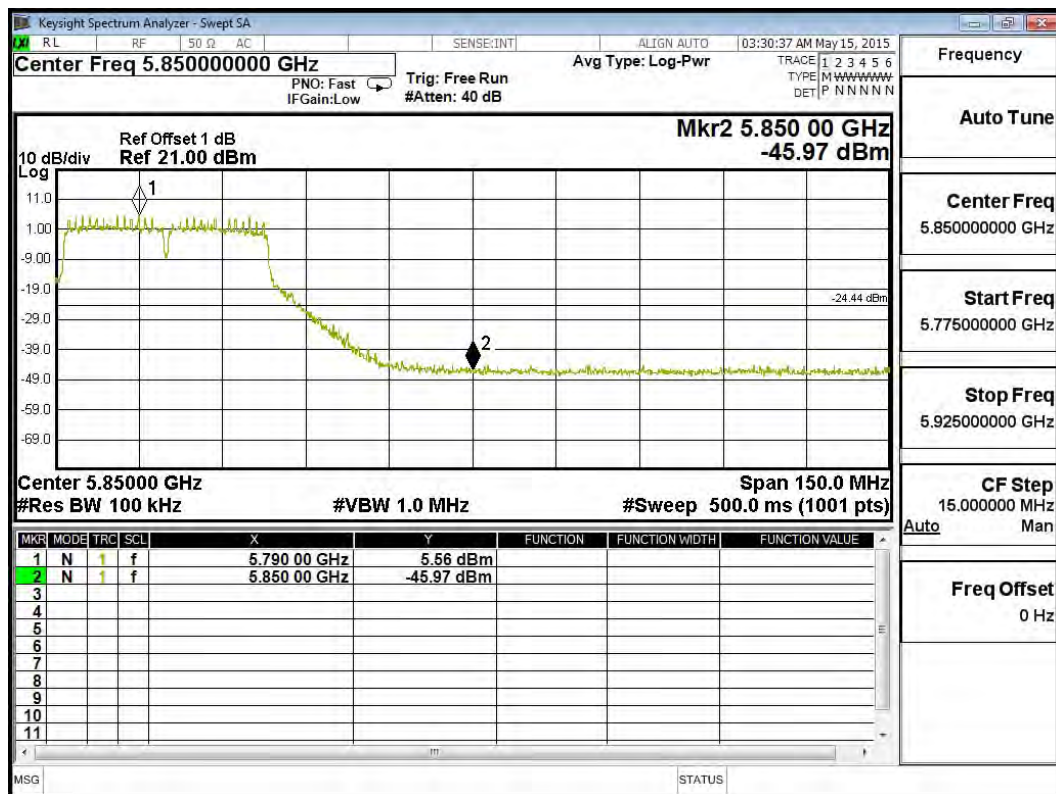
Test Frequency (MHz)	Measurement Level Δ (dB)	Limit Δ (dB)	Result
5795	51.00	>30	PASS



Product : 802.11 ac PCIe Module
Test Item : Band Edge
Test Site : No.3 OATS
Test Mode : Mode 7: Transmit - 802.11n-40BW_30Mbps(5G Band)(Grid DISH Antenna)

Chain B

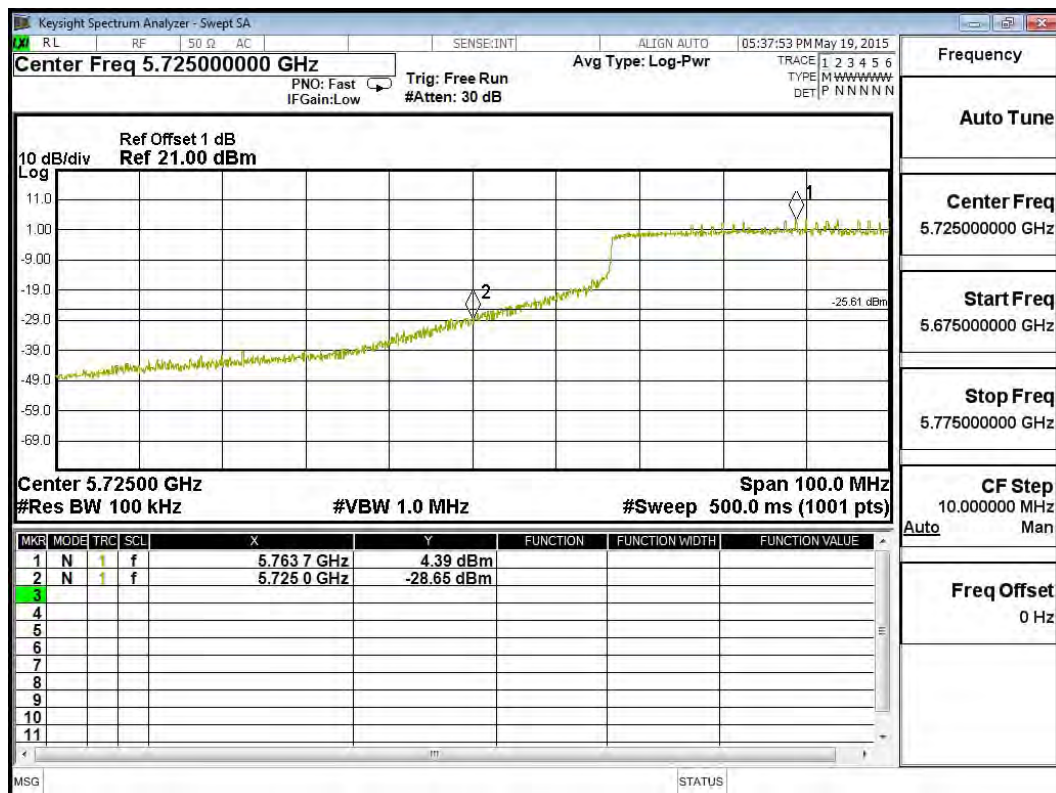
Test Frequency (MHz)	Measurement Level Δ (dB)	Limit Δ (dB)	Result
5795	51.53	>30	PASS



Product : 802.11 ac PCIe Module
Test Item : Band Edge
Test Site : No.3 OATS
Test Mode : Mode 8: Transmit - 802.11ac-80BW_65Mbps(5G Band)(Grid DISH Antenna)

Chain A

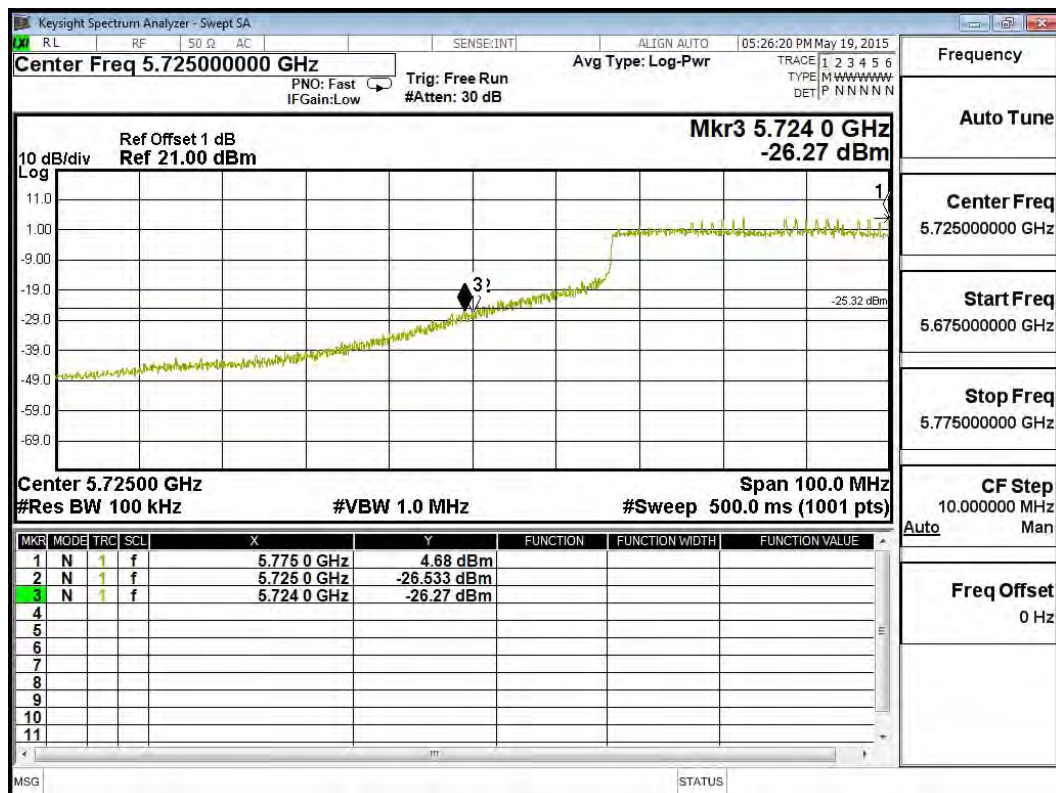
Test Frequency (MHz)	Measurement Level Δ (dB)	Limit Δ (dB)	Result
5780	33.04	>30	PASS



Product : 802.11 ac PCIe Module
Test Item : Band Edge
Test Site : No.3 OATS
Test Mode : Mode 8: Transmit - 802.11ac-80BW_65Mbps(5G Band)(Grid DISH Antenna)

Chain B

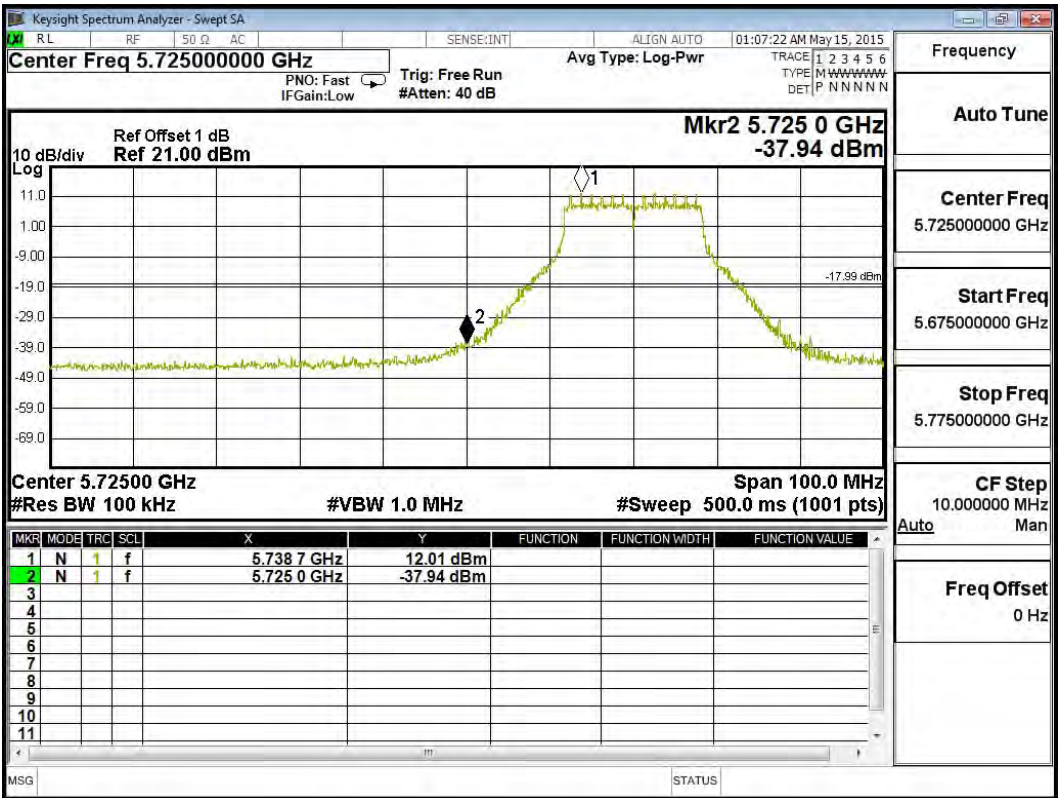
Test Frequency (MHz)	Measurement Level Δ (dB)	Limit Δ (dB)	Result
5780	30.95	>30	PASS



Product : 802.11 ac PCIe Module
Test Item : Band Edge
Test Site : No.3 OATS
Test Mode : Mode 9: Transmit - 802.11a_6Mbps(Omni Antenna)

Chain A

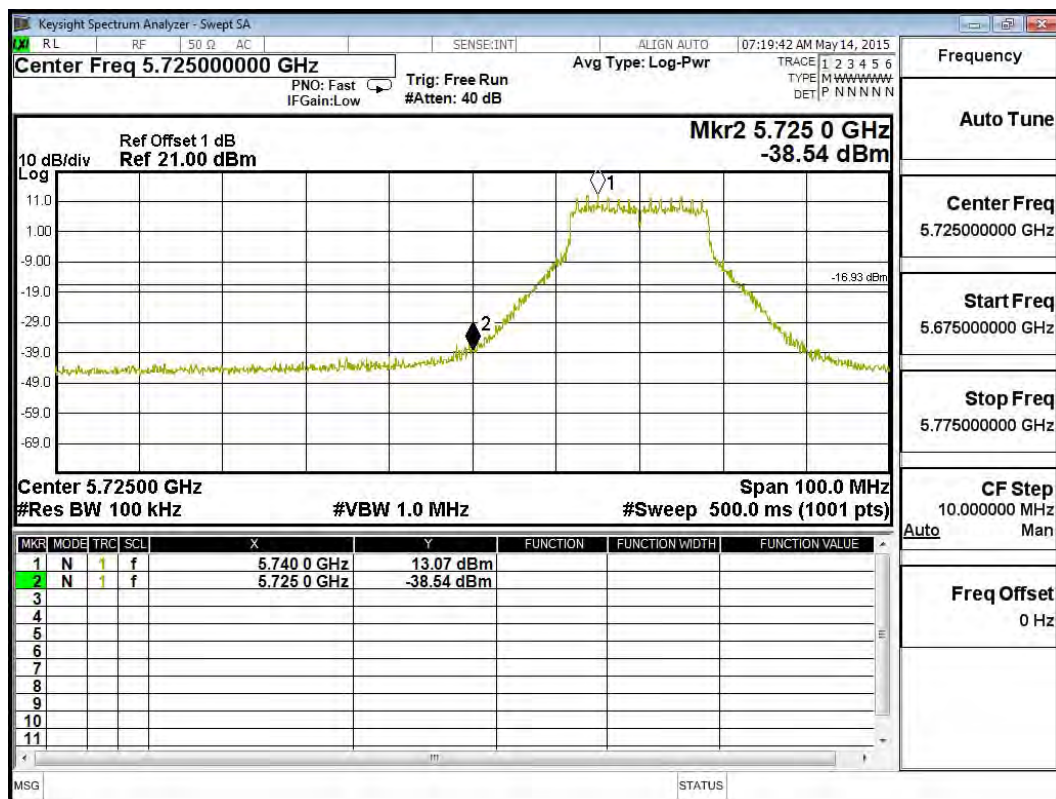
Test Frequency (MHz)	Measurement Level Δ (dB)	Limit Δ (dB)	Result
5745	48.16	>30	PASS



Product : 802.11 ac PCIe Module
Test Item : Band Edge
Test Site : No.3 OATS
Test Mode : Mode 9: Transmit - 802.11a_6Mbps(Omni Antenna)

Chain B

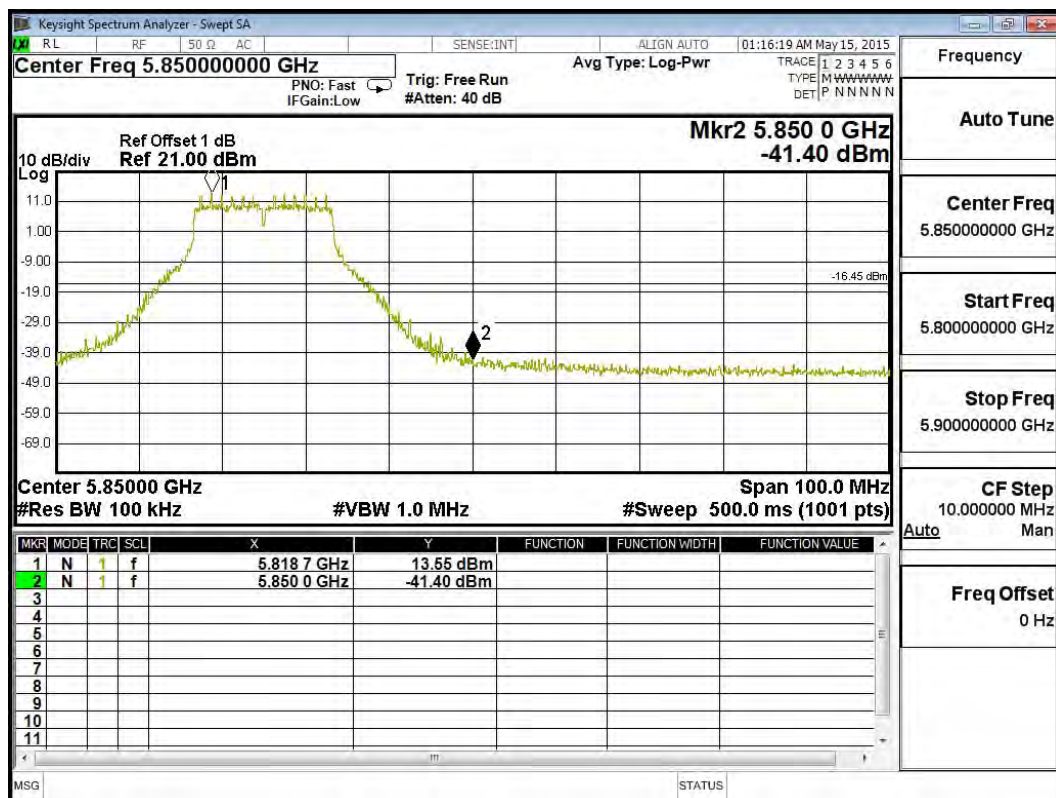
Test Frequency (MHz)	Measurement Level Δ (dB)	Limit Δ (dB)	Result
5745	47.99	>30	PASS



Product : 802.11 ac PCIe Module
Test Item : Band Edge
Test Site : No.3 OATS
Test Mode : Mode 9: Transmit - 802.11a_6Mbps(Omni Antenna)

Chain A

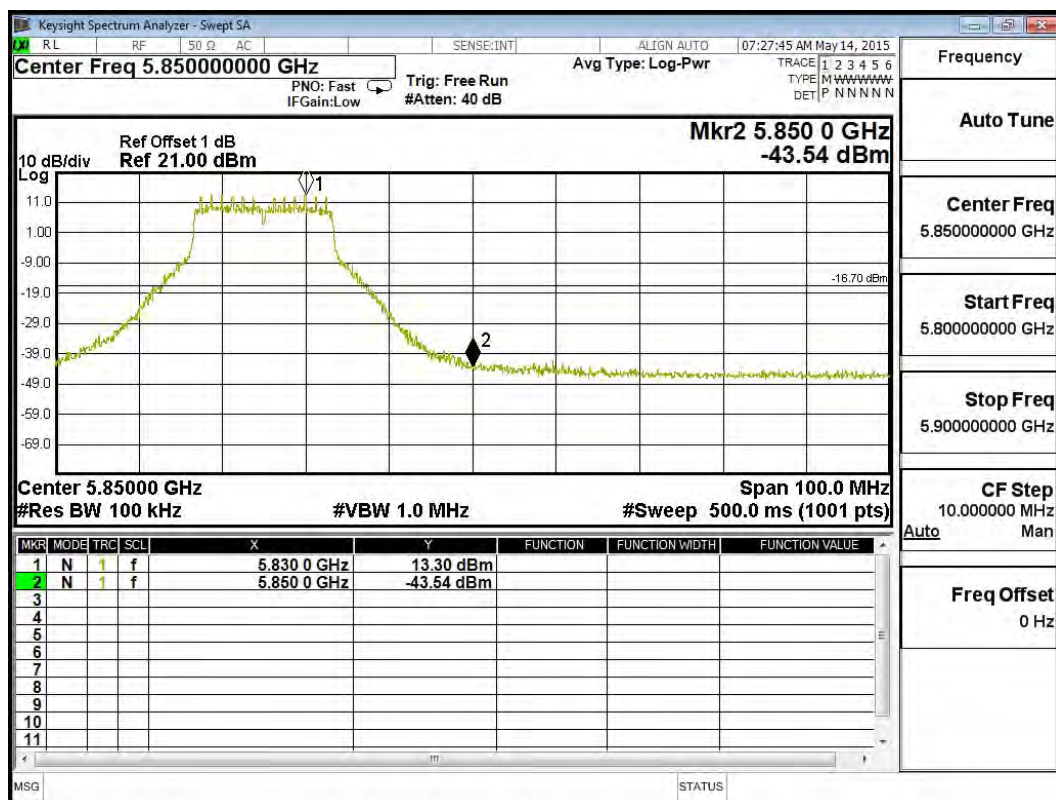
Test Frequency (MHz)	Measurement Level Δ (dB)	Limit Δ (dB)	Result
5825	54.82	>30	PASS



Product : 802.11 ac PCie Module
Test Item : Band Edge
Test Site : No.3 OATS
Test Mode : Mode 9: Transmit - 802.11a_6Mbps(Omni Antenna)

Chain B

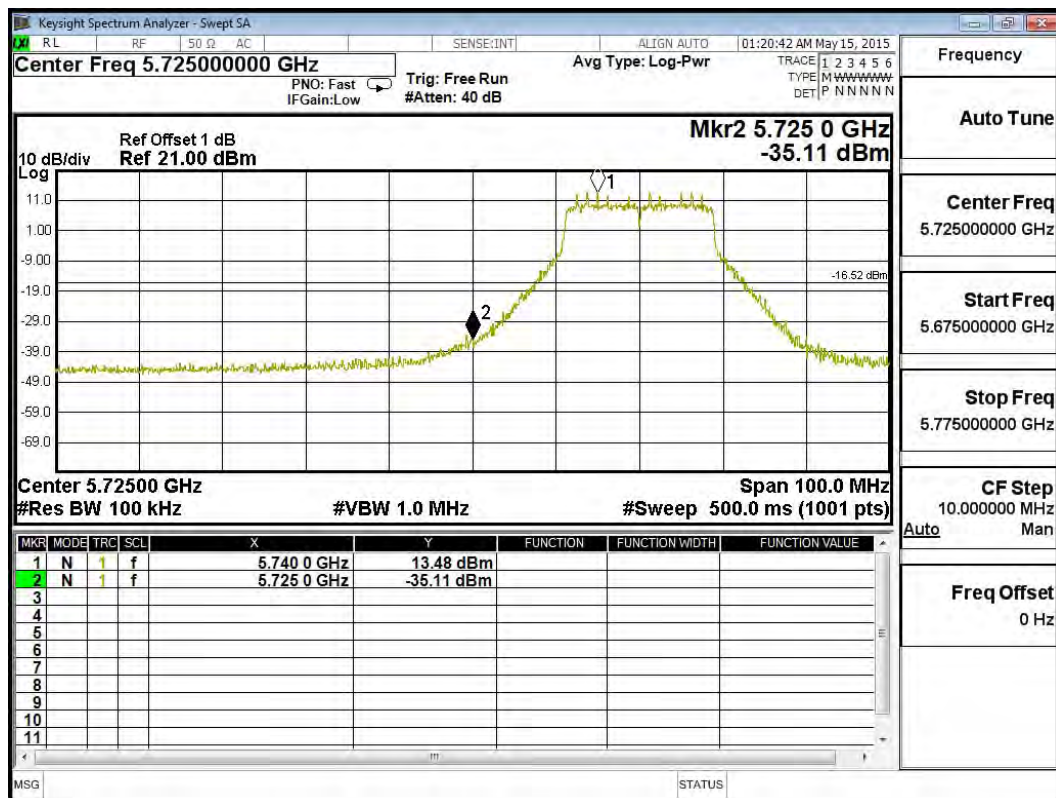
Test Frequency (MHz)	Measurement Level Δ (dB)	Limit Δ (dB)	Result
5825	55.01	>30	PASS



Product : 802.11 ac PCIe Module
Test Item : Band Edge
Test Site : No.3 OATS
Test Mode : Mode 10: Transmit - 802.11n-20BW_14.4Mbps(5G Band)(Omni Antenna)

Chain A

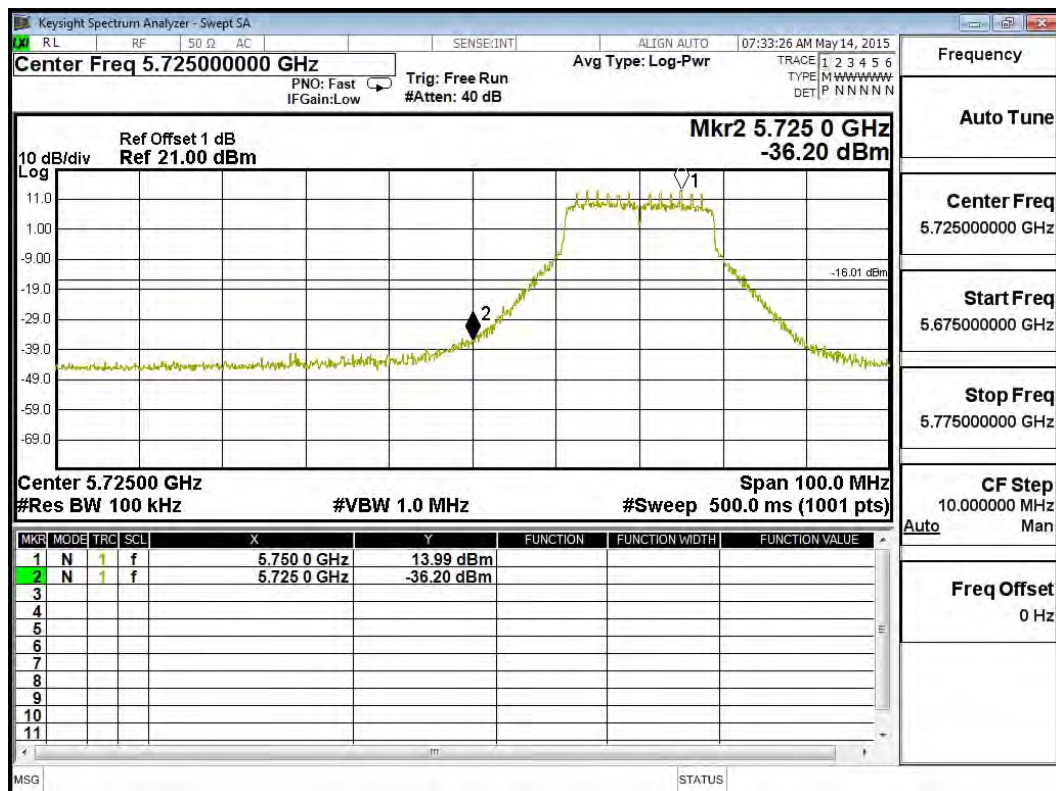
Test Frequency (MHz)	Measurement Level Δ (dB)	Limit Δ (dB)	Result
5745	47.40	>30	PASS



Product : 802.11 ac PCie Module
Test Item : Band Edge
Test Site : No.3 OATS
Test Mode : Mode 10: Transmit - 802.11n-20BW_14.4Mbps(5G Band)(Omni Antenna)

Chain B

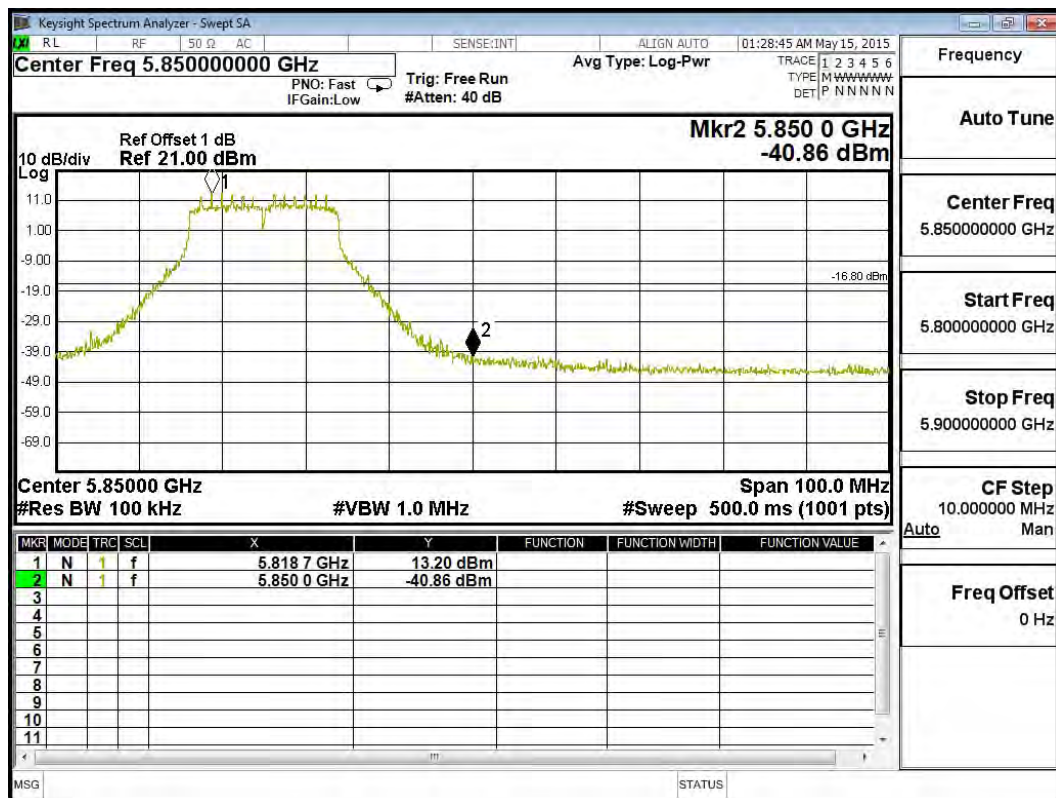
Test Frequency (MHz)	Measurement Level Δ (dB)	Limit Δ (dB)	Result
5745	44.88	>30	PASS



Product : 802.11 ac PCIe Module
Test Item : Band Edge
Test Site : No.3 OATS
Test Mode : Mode 10: Transmit - 802.11n-20BW_14.4Mbps(5G Band)(Omni Antenna)

Chain A

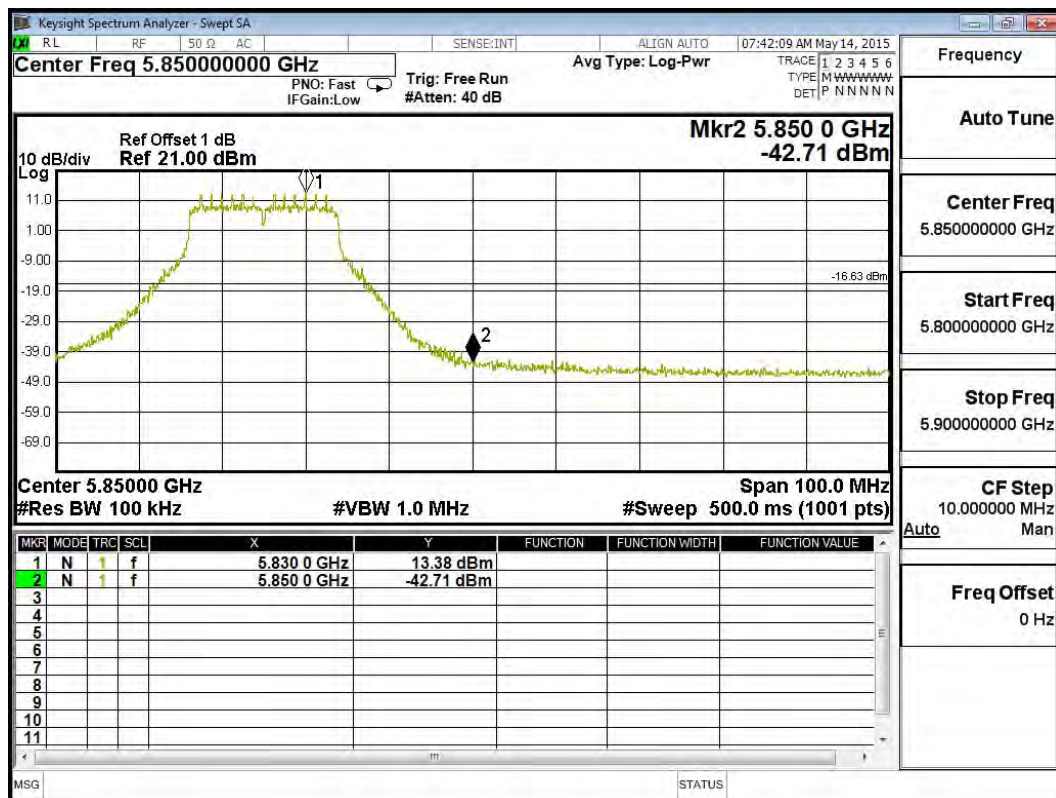
Test Frequency (MHz)	Measurement Level Δ (dB)	Limit Δ (dB)	Result
5825	51.61	>30	PASS



Product : 802.11 ac PCIe Module
Test Item : Band Edge
Test Site : No.3 OATS
Test Mode : Mode 10: Transmit - 802.11n-20BW_14.4Mbps(5G Band)(Omni Antenna)

Chain B

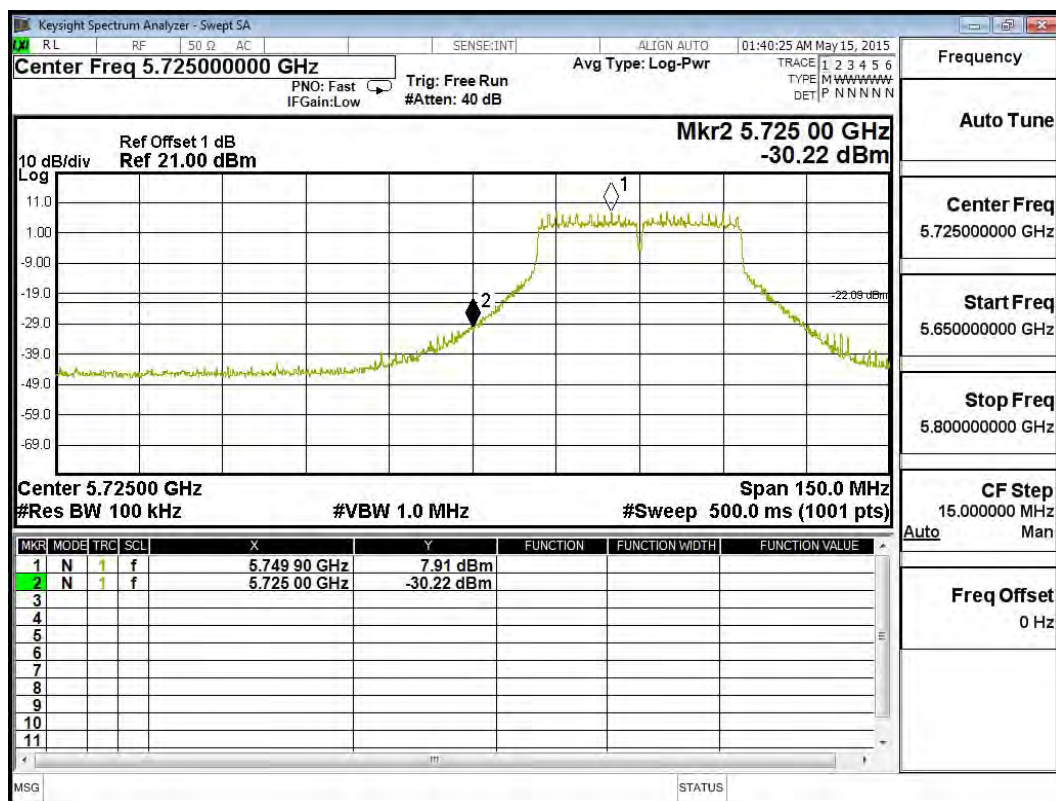
Test Frequency (MHz)	Measurement Level Δ (dB)	Limit Δ (dB)	Result
5825	53.09	>30	PASS



Product : 802.11 ac PCIe Module
Test Item : Band Edge
Test Site : No.3 OATS
Test Mode : Mode 11: Transmit - 802.11n-40BW_30Mbps(5G Band)(Omni Antenna)

Chain A

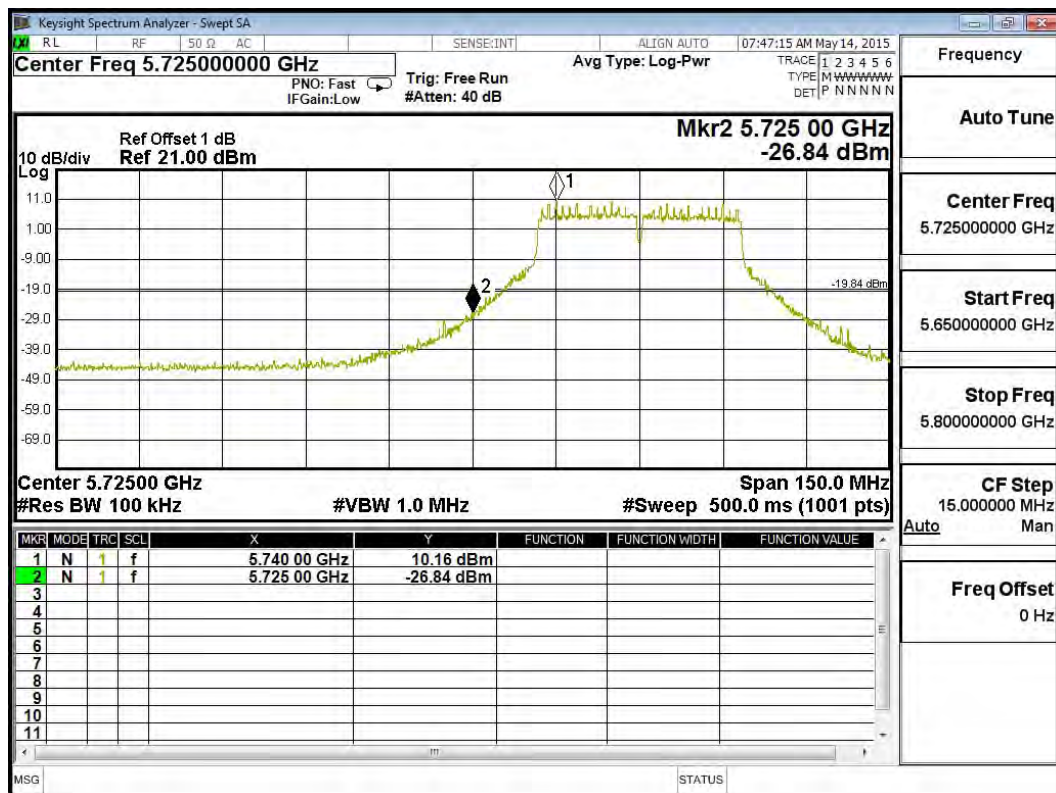
Test Frequency (MHz)	Measurement Level Δ (dB)	Limit Δ (dB)	Result
5755	38.23	>30	PASS



Product : 802.11 ac PCIe Module
Test Item : Band Edge
Test Site : No.3 OATS
Test Mode : Mode 11: Transmit - 802.11n-40BW_30Mbps(5G Band)(Omni Antenna)

Chain B

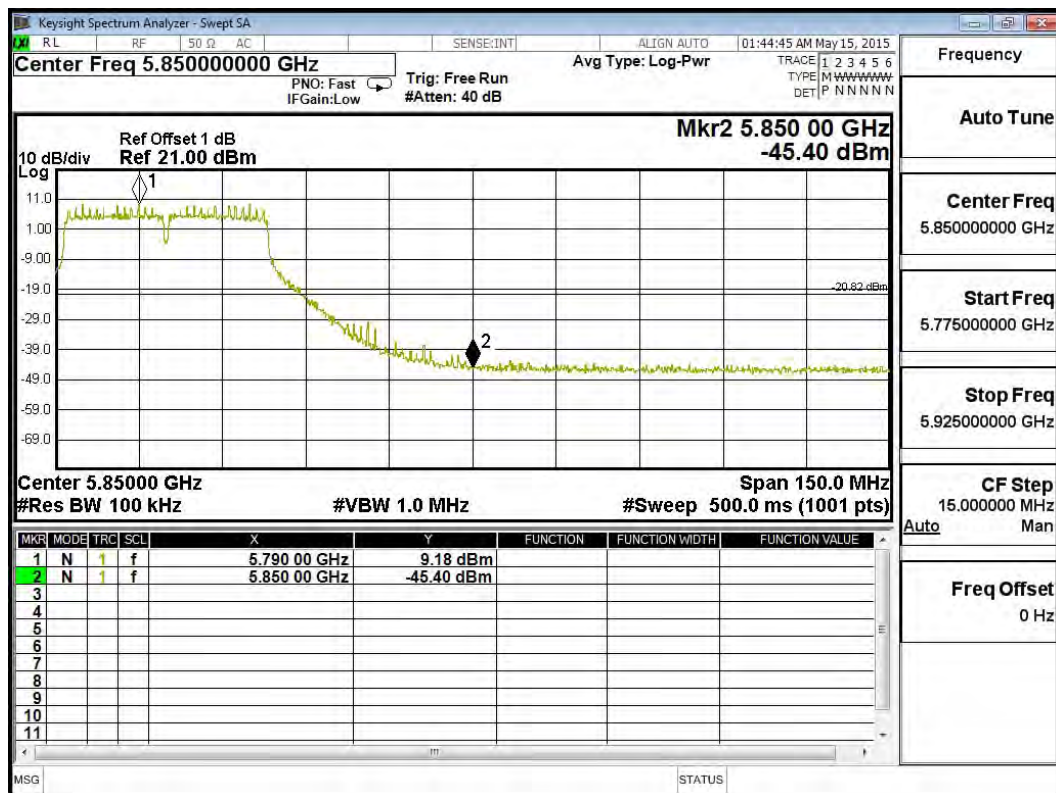
Test Frequency (MHz)	Measurement Level Δ (dB)	Limit Δ (dB)	Result
5755	37.38	>30	PASS



Product : 802.11 ac PCIe Module
Test Item : Band Edge
Test Site : No.3 OATS
Test Mode : Mode 11: Transmit - 802.11n-40BW_30Mbps(5G Band)(Omni Antenna)

Chain A

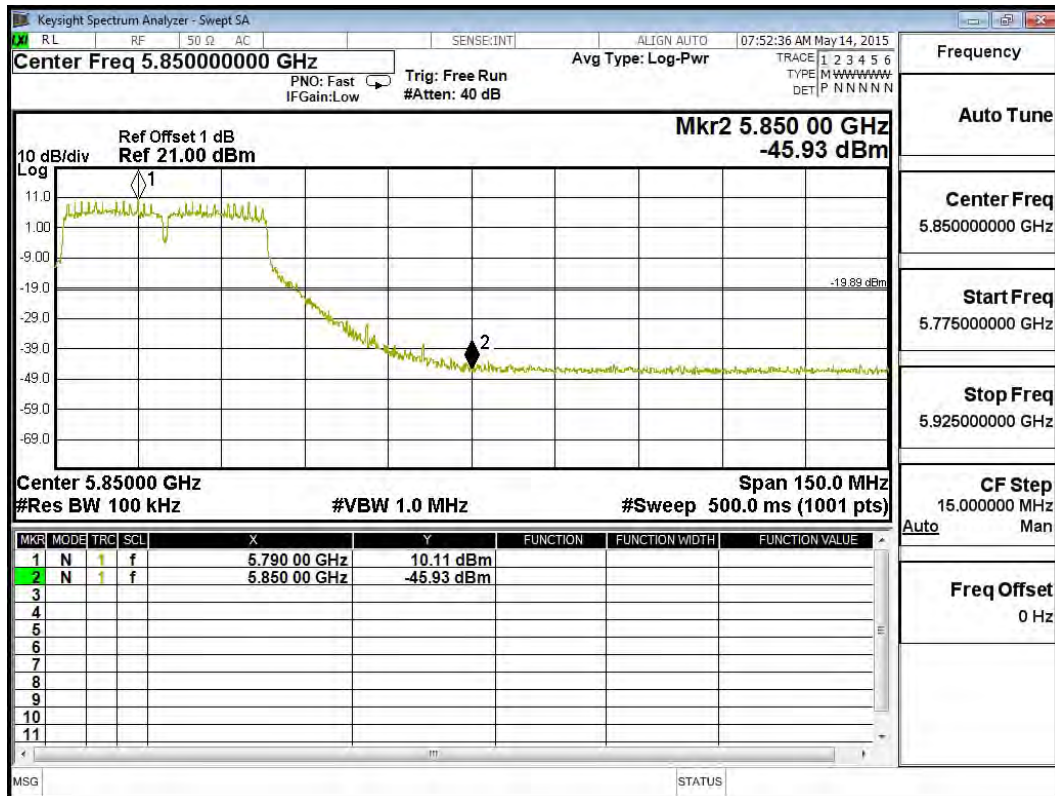
Test Frequency (MHz)	Measurement Level Δ (dB)	Limit Δ (dB)	Result
5795	50.53	>30	PASS



Product : 802.11 ac PCIe Module
Test Item : Band Edge
Test Site : No.3 OATS
Test Mode : Mode 11: Transmit - 802.11n-40BW_30Mbps(5G Band)(Omni Antenna)

Chain B

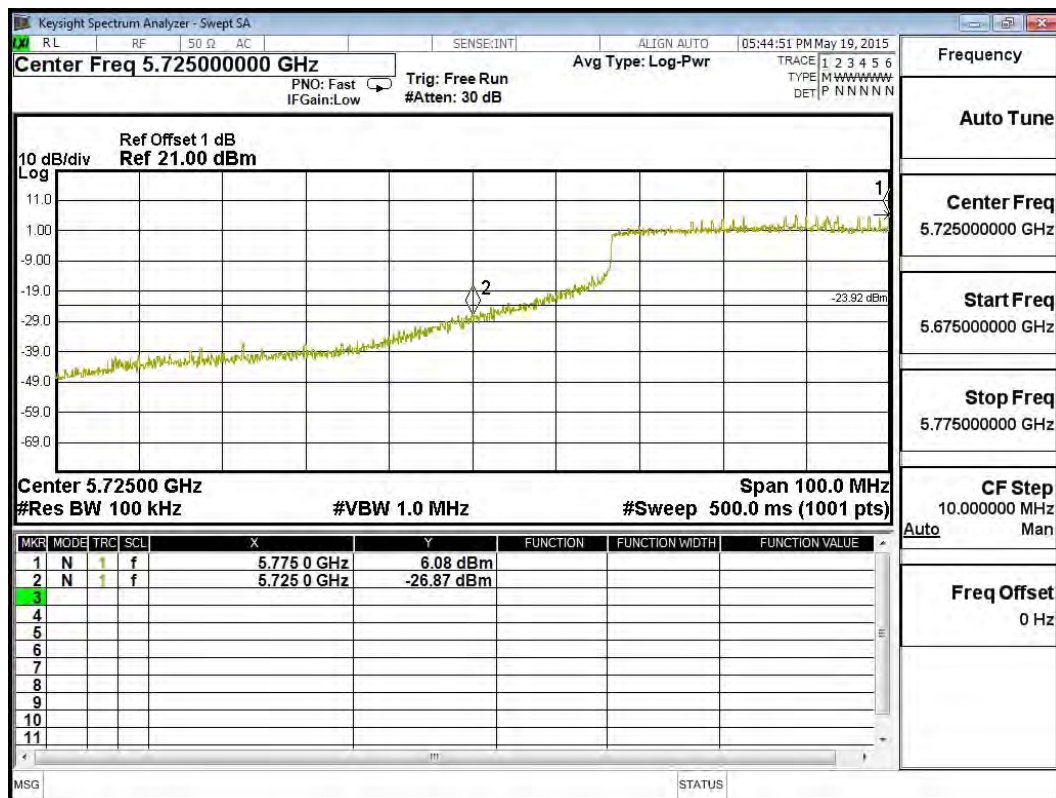
Test Frequency (MHz)	Measurement Level Δ (dB)	Limit Δ (dB)	Result
5795	54.31	>30	PASS



Product : 802.11 ac PCie Module
Test Item : Band Edge
Test Site : No.3 OATS
Test Mode : Mode 12: Transmit - 802.11ac-80BW_65Mbps(5G Band)(Omni Antenna)

Chain A

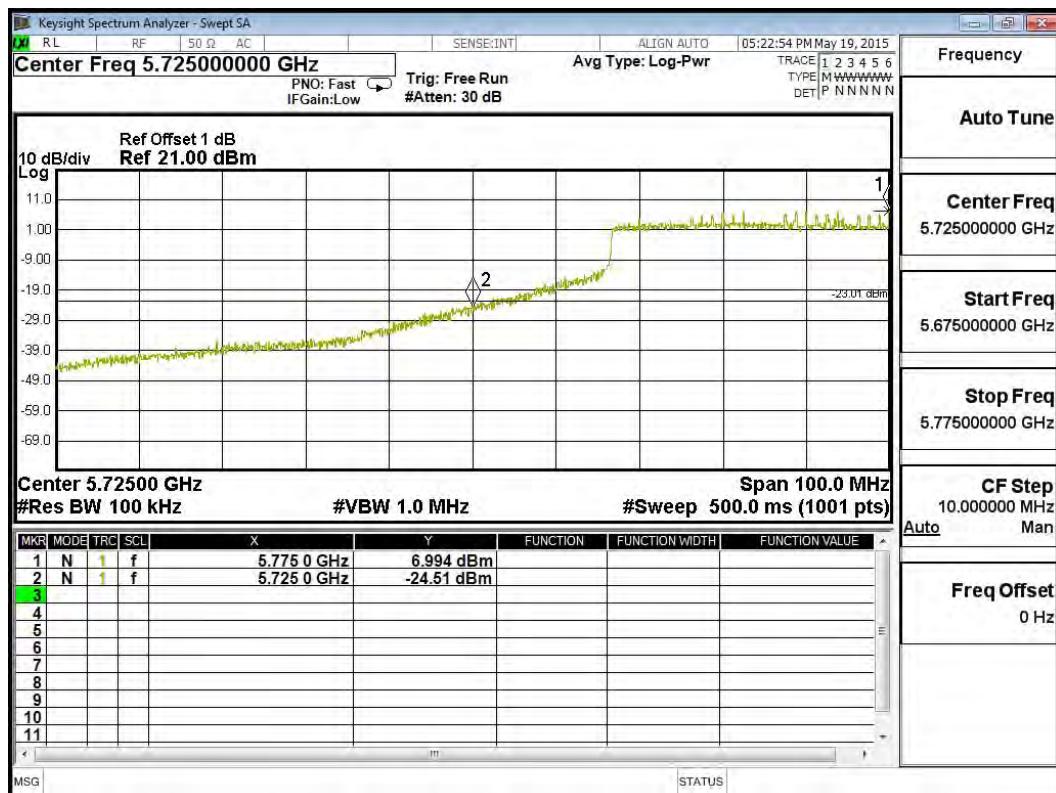
Test Frequency (MHz)	Measurement Level Δ (dB)	Limit Δ (dB)	Result
5780	32.95	>30	PASS



Product : 802.11 ac PCIe Module
Test Item : Band Edge
Test Site : No.3 OATS
Test Mode : Mode 12: Transmit - 802.11ac-80BW_65Mbps(5G Band)(Omni Antenna)

Chain B

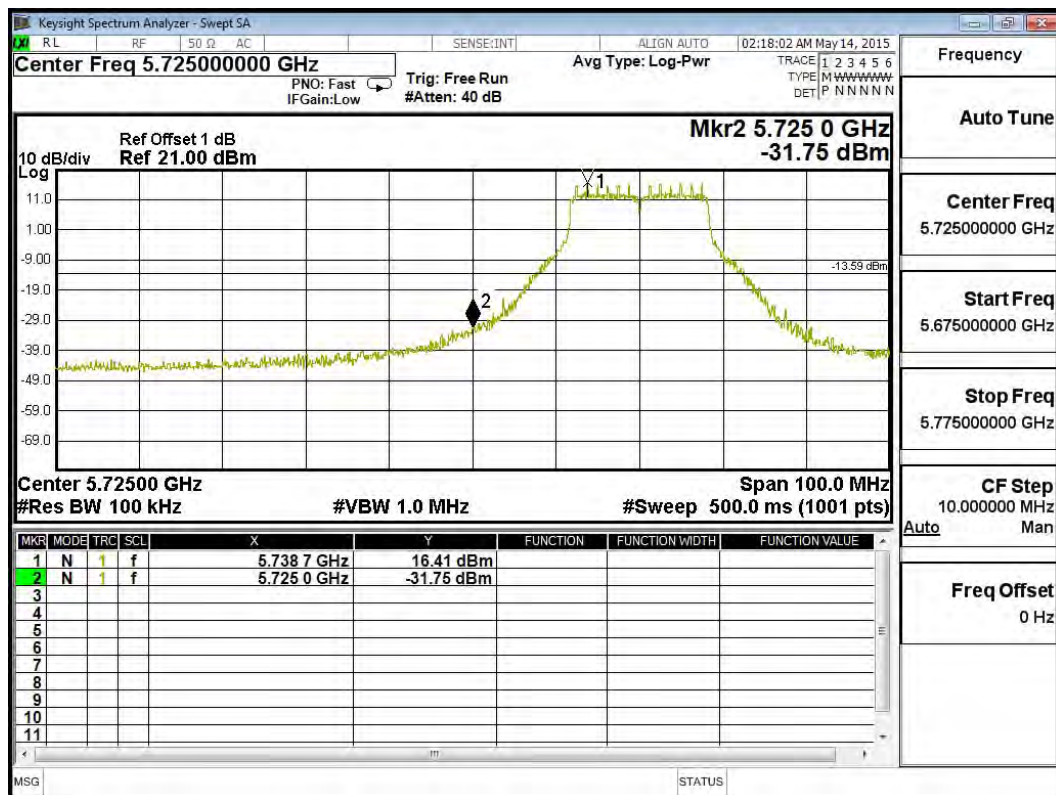
Test Frequency (MHz)	Measurement Level Δ (dB)	Limit Δ (dB)	Result
5780	31.50	>30	PASS



Product : 802.11 ac PCIe Module
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Mode : Mode 13: Transmit - 802.11a_6Mbps(Panel Antenna)

Chain A

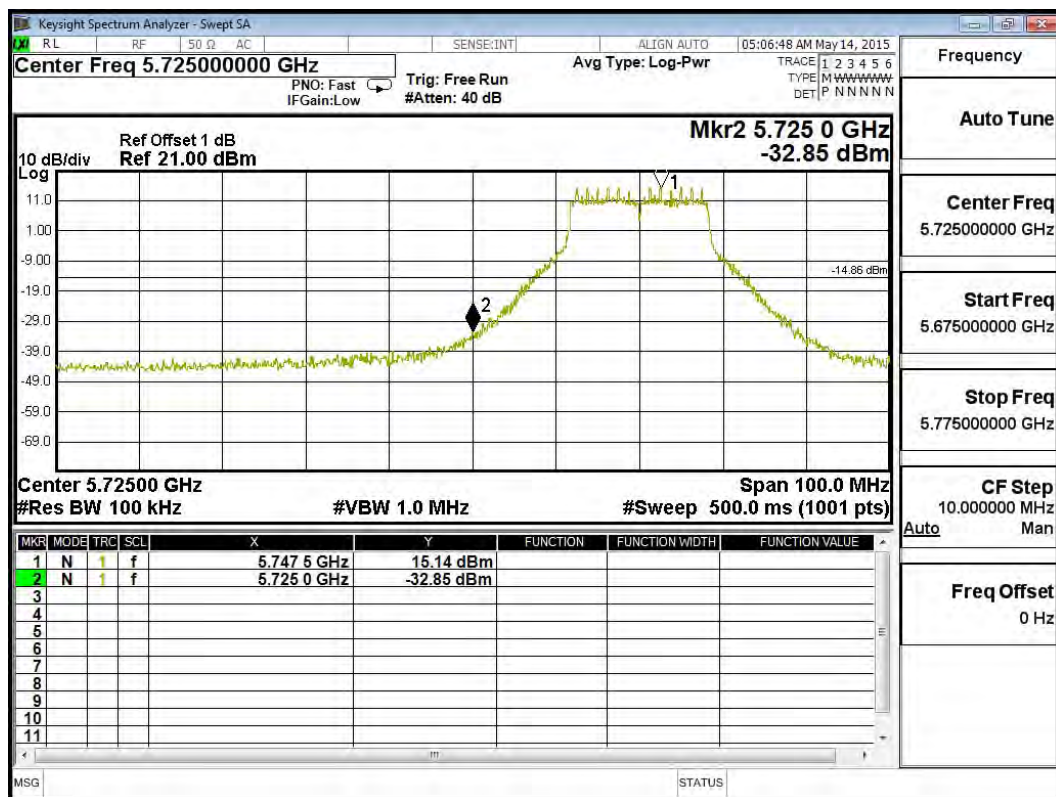
Test Frequency (MHz)	Measurement Level Δ (dB)	Limit Δ (dB)	Result
5745	48.16	>30	PASS



Product : 802.11 ac PCIe Module
Test Item : Band Edge
Test Site : No.3 OATS
Test Mode : Mode 13: Transmit - 802.11a_6Mbps(Panel Antenna)

Chain B

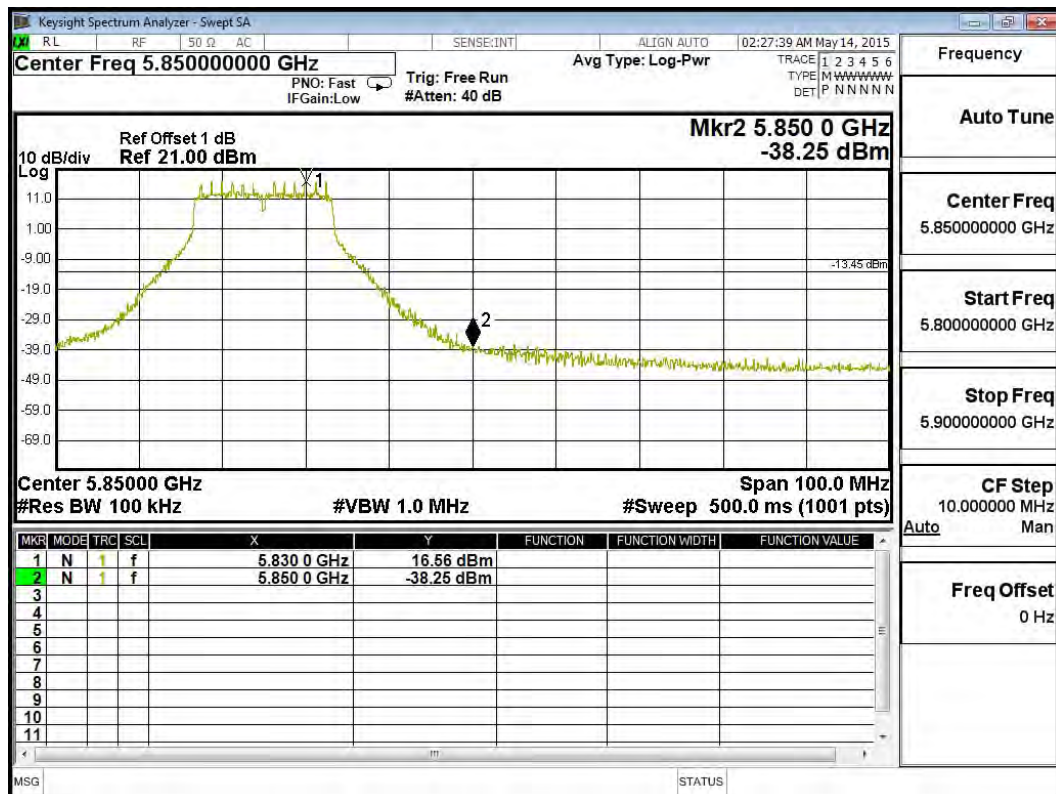
Test Frequency (MHz)	Measurement Level Δ (dB)	Limit Δ (dB)	Result
5745	47.99	>30	PASS



Product : 802.11 ac PCIe Module
Test Item : Band Edge
Test Site : No.3 OATS
Test Mode : Mode 13: Transmit - 802.11a_6Mbps(Panel Antenna)

Chain A

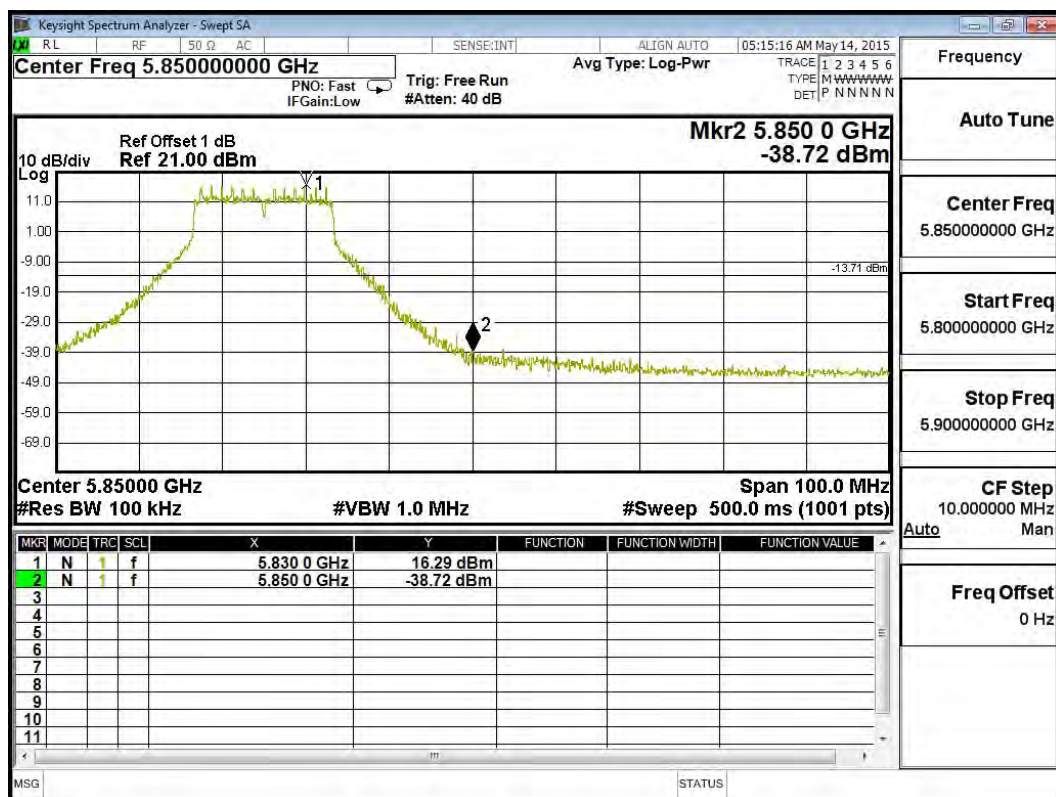
Test Frequency (MHz)	Measurement Level Δ (dB)	Limit Δ (dB)	Result
5825	54.82	>30	PASS



Product : 802.11 ac PCIe Module
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Mode : Mode 13: Transmit - 802.11a_6Mbps(Panel Antenna)

Chain B

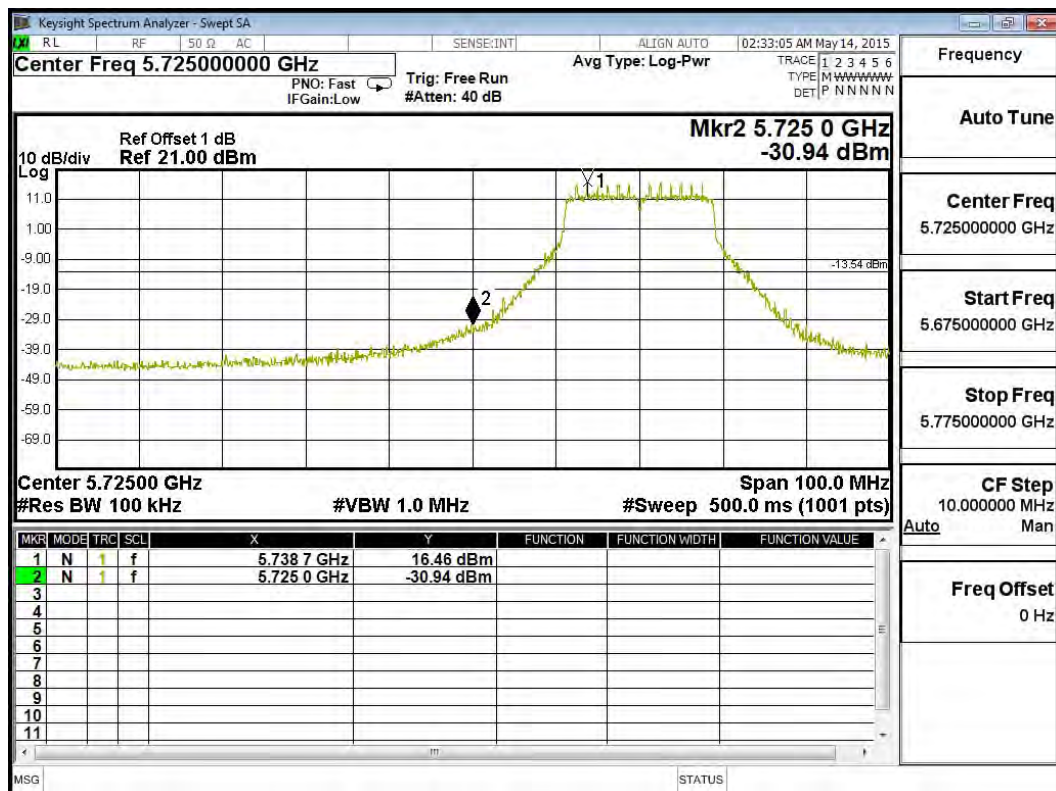
Test Frequency (MHz)	Measurement Level Δ (dB)	Limit Δ (dB)	Result
5825	55.01	>30	PASS



Product : 802.11 ac PCIe Module
Test Item : Band Edge
Test Site : No.3 OATS
Test Mode : Mode 14: Transmit - 802.11n-20BW_14.4Mbps(5G Band)(Panel Antenna)

Chain A

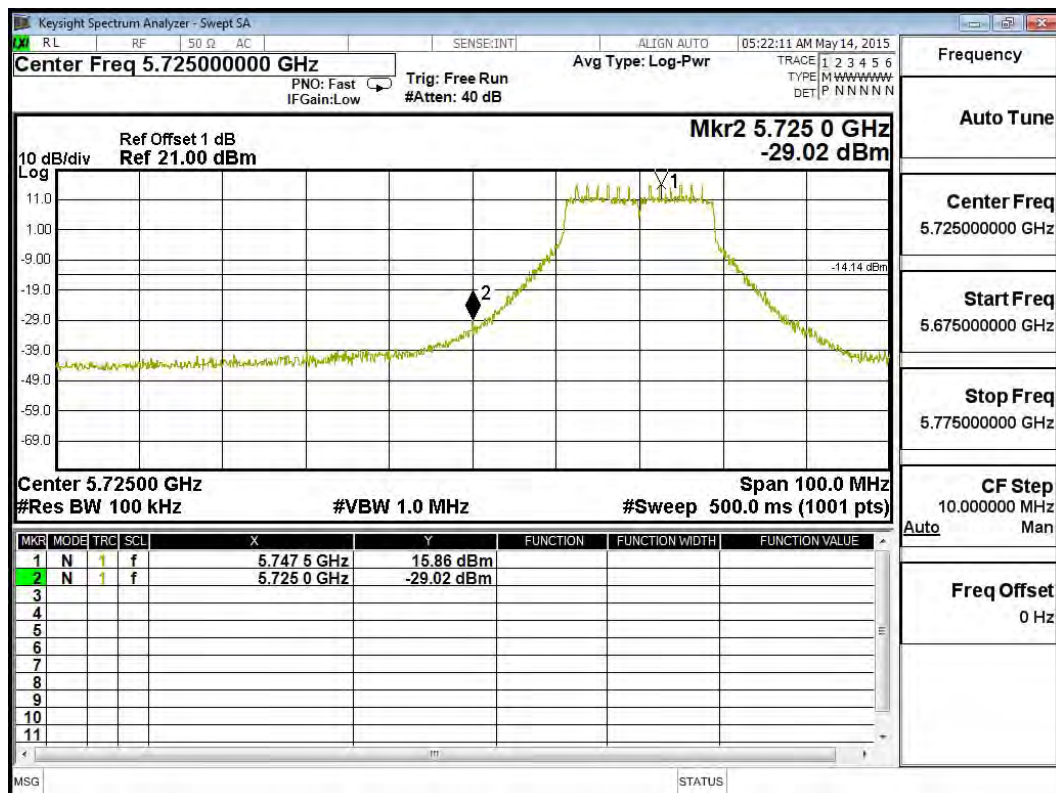
Test Frequency (MHz)	Measurement Level Δ (dB)	Limit Δ (dB)	Result
5745	47.40	>30	PASS



Product : 802.11 ac PCIe Module
Test Item : Band Edge
Test Site : No.3 OATS
Test Mode : Mode 14: Transmit - 802.11n-20BW_14.4Mbps(5G Band)(Panel Antenna)

Chain B

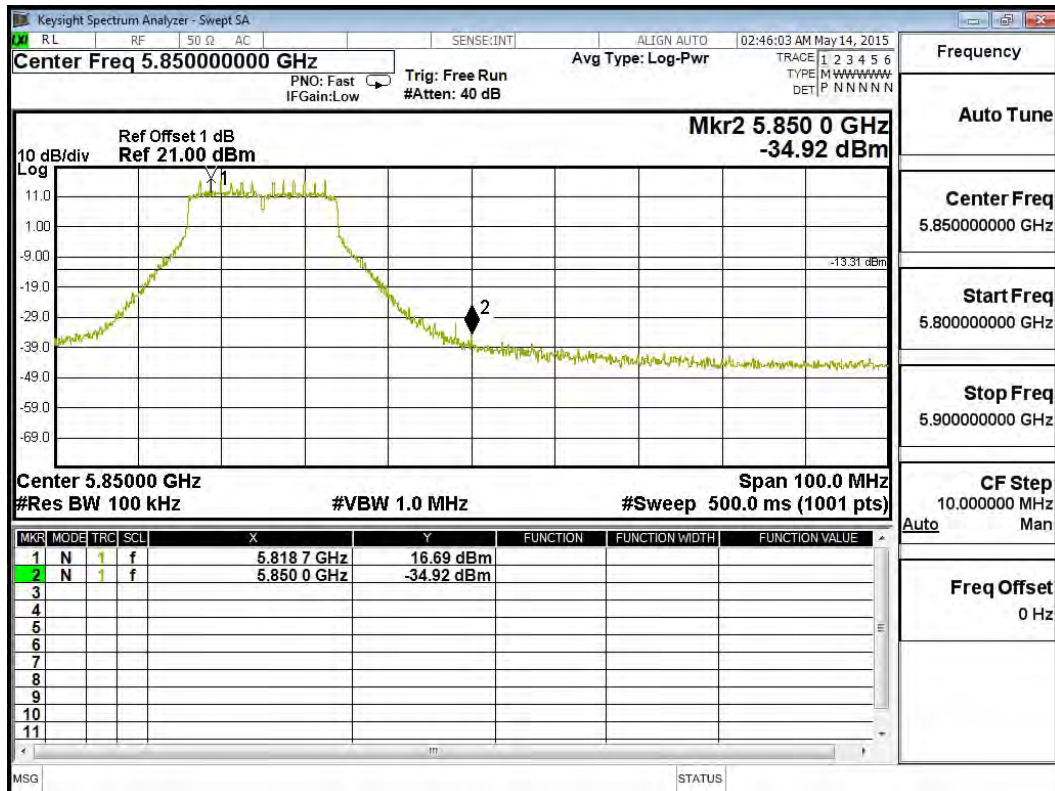
Test Frequency (MHz)	Measurement Level Δ (dB)	Limit Δ (dB)	Result
5745	44.88	>30	PASS



Product : 802.11 ac PCIe Module
Test Item : Band Edge
Test Site : No.3 OATS
Test Mode : Mode 14: Transmit - 802.11n-20BW_14.4Mbps(5G Band)(Panel Antenna)

Chain A

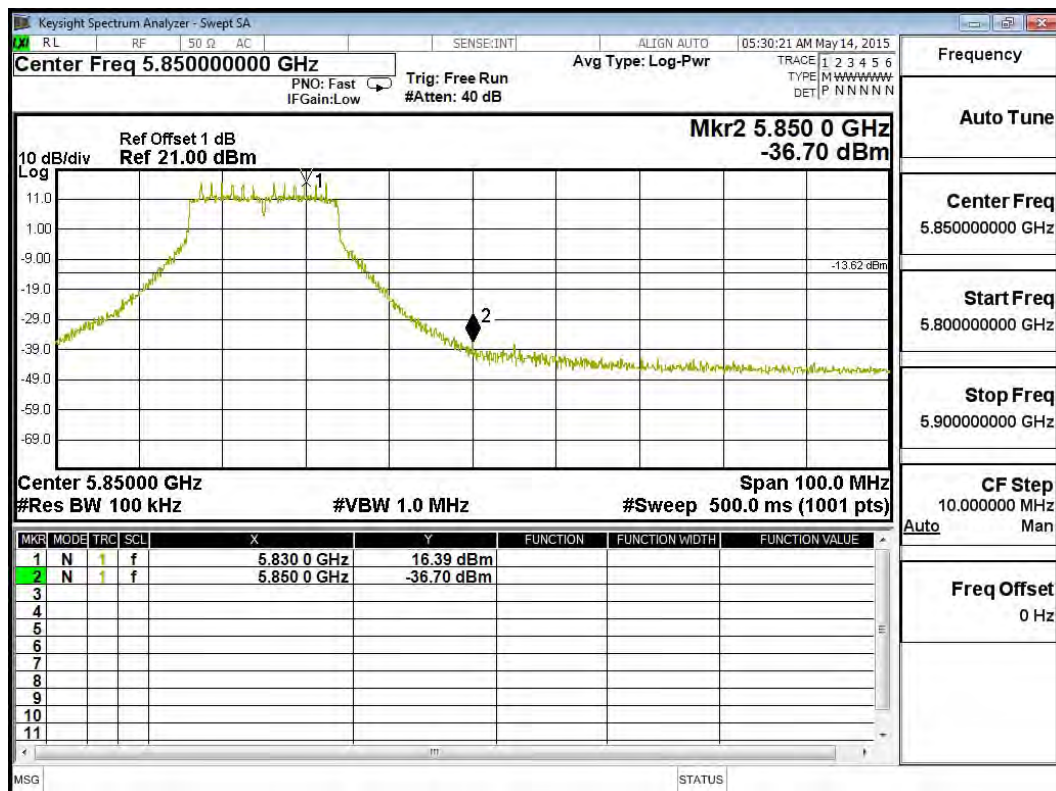
Test Frequency (MHz)	Measurement Level Δ (dB)	Limit Δ (dB)	Result
5825	51.61	>30	PASS



Product : 802.11 ac PCIe Module
Test Item : Band Edge
Test Site : No.3 OATS
Test Mode : Mode 14: Transmit - 802.11n-20BW_14.4Mbps(5G Band)(Panel Antenna)

Chain B

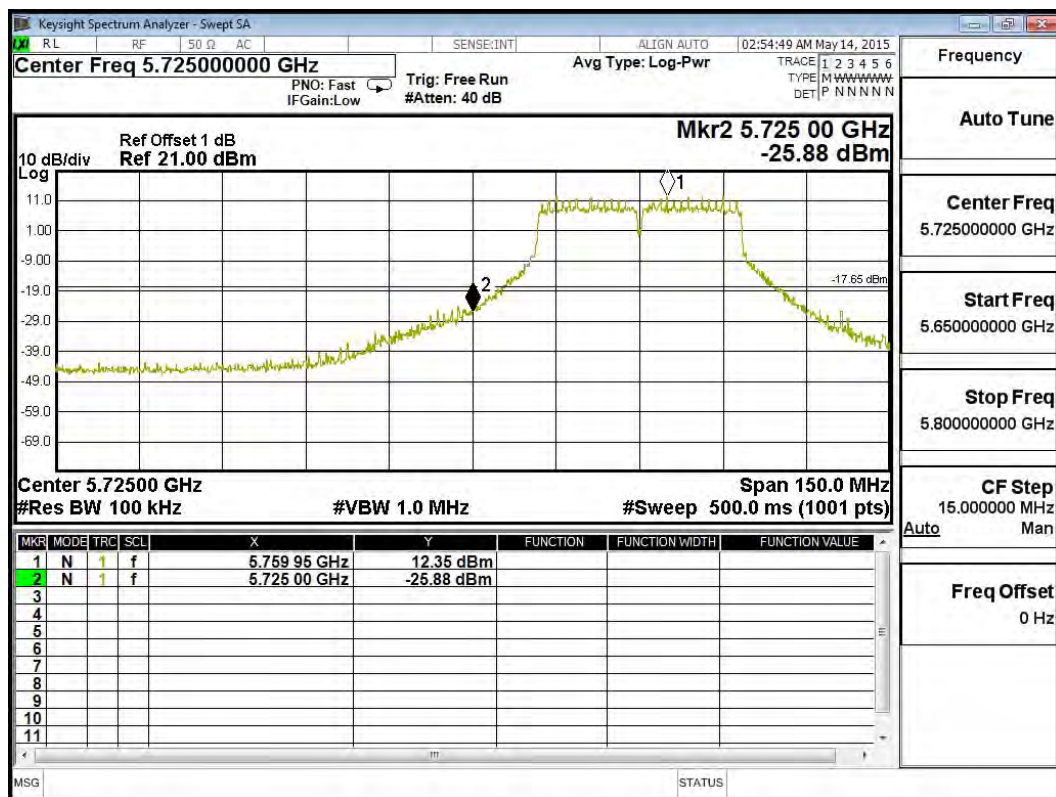
Test Frequency (MHz)	Measurement Level Δ (dB)	Limit Δ (dB)	Result
5825	53.09	>30	PASS



Product : 802.11 ac PCIe Module
Test Item : Band Edge
Test Site : No.3 OATS
Test Mode : Mode 15: Transmit - 802.11n-40BW_30Mbps(5G Band)(Panel Antenna)

Chain A

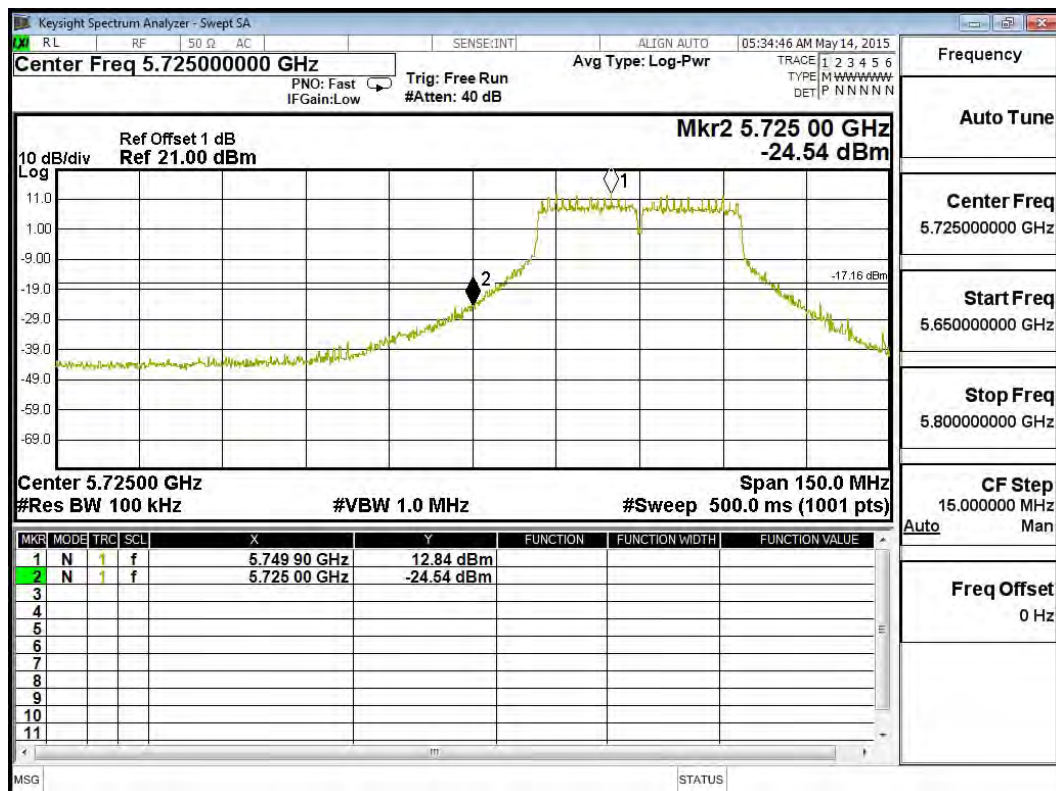
Test Frequency (MHz)	Measurement Level Δ (dB)	Limit Δ (dB)	Result
5755	38.23	>30	PASS



Product : 802.11 ac PCIe Module
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Mode : Mode 15: Transmit - 802.11n-40BW_30Mbps(5G Band)(Panel Antenna)

Chain B

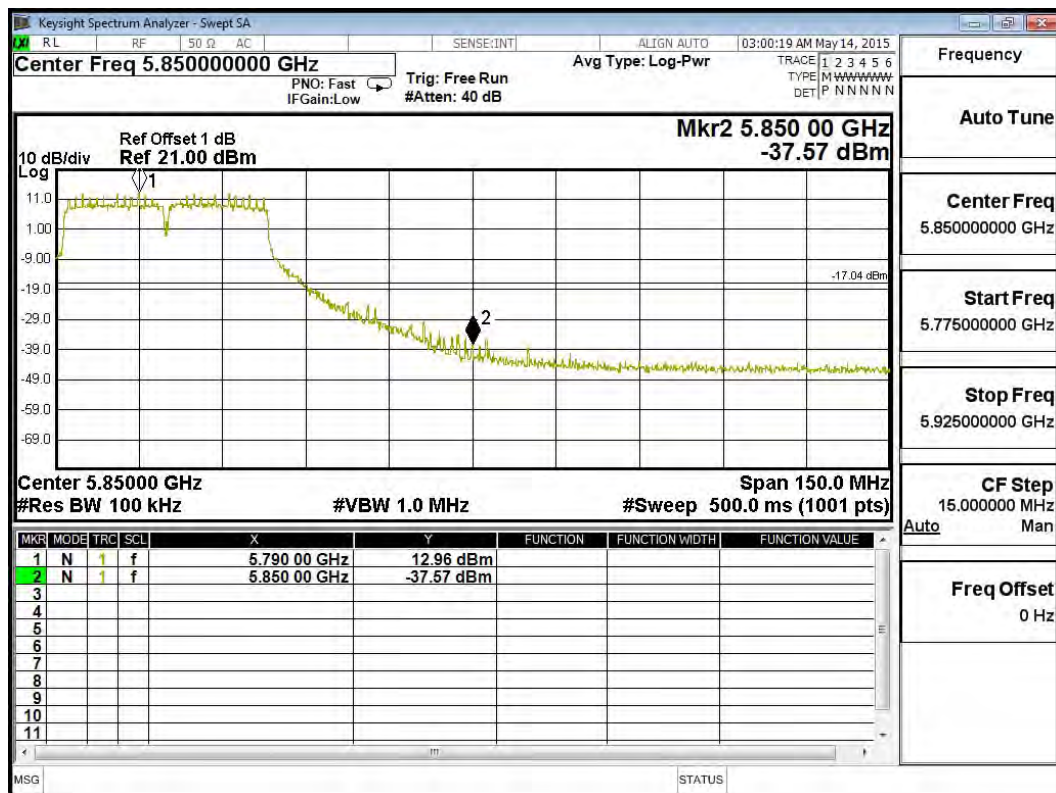
Test Frequency (MHz)	Measurement Level Δ (dB)	Limit Δ (dB)	Result
5755	37.38	>30	PASS



Product : 802.11 ac PCIe Module
Test Item : Band Edge
Test Site : No.3 OATS
Test Mode : Mode 15: Transmit - 802.11n-40BW_30Mbps(5G Band)(Panel Antenna)

Chain A

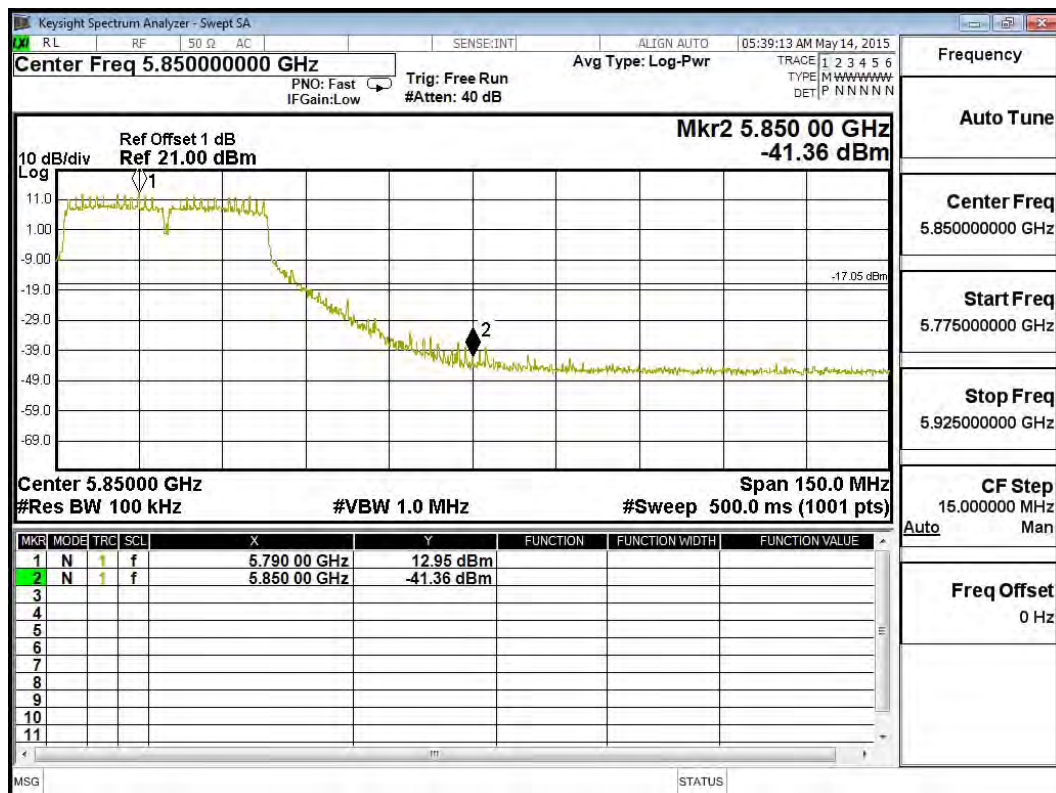
Test Frequency (MHz)	Measurement Level Δ (dB)	Limit Δ (dB)	Result
5795	50.53	>30	PASS



Product : 802.11 ac PCIE Module
Test Item : Band Edge
Test Site : No.3 OATS
Test Mode : Mode 15: Transmit - 802.11n-40BW_30Mbps(5G Band)(Panel Antenna)

Chain B

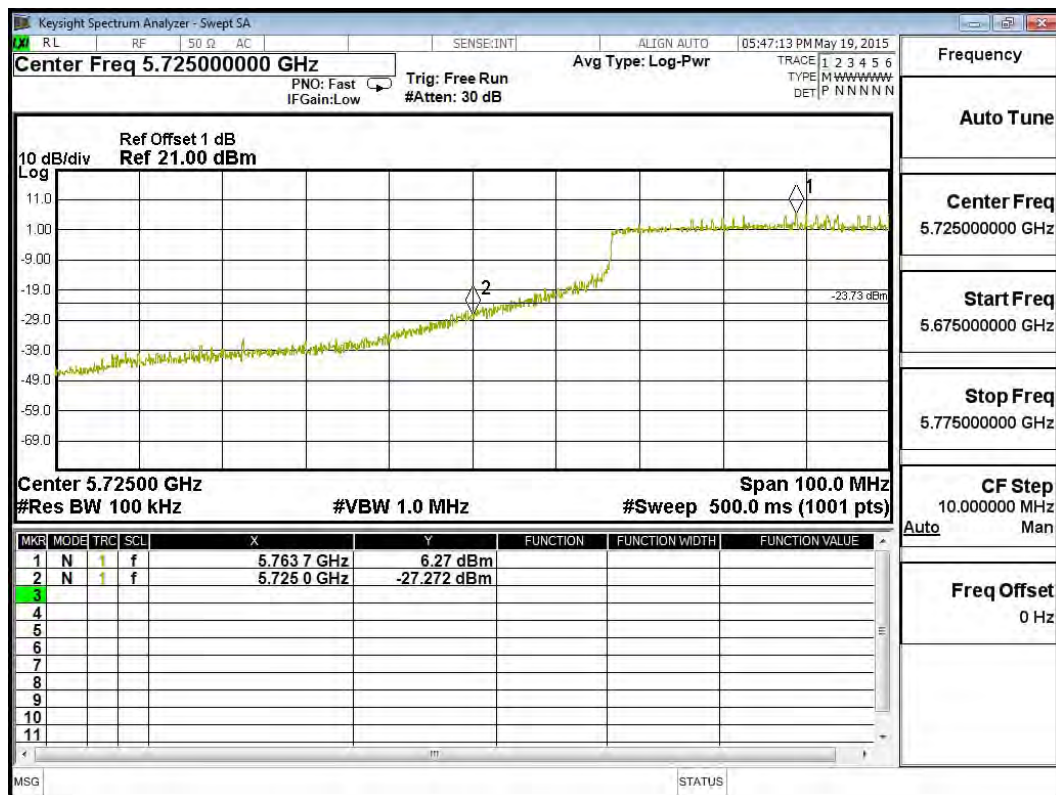
Test Frequency (MHz)	Measurement Level Δ (dB)	Limit Δ (dB)	Result
5795	54.31	>30	PASS



Product : 802.11 ac PCIe Module
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Mode : Mode 16: Transmit - 802.11ac-80BW_65Mbps(5G Band)(Panel Antenna)

Chain A

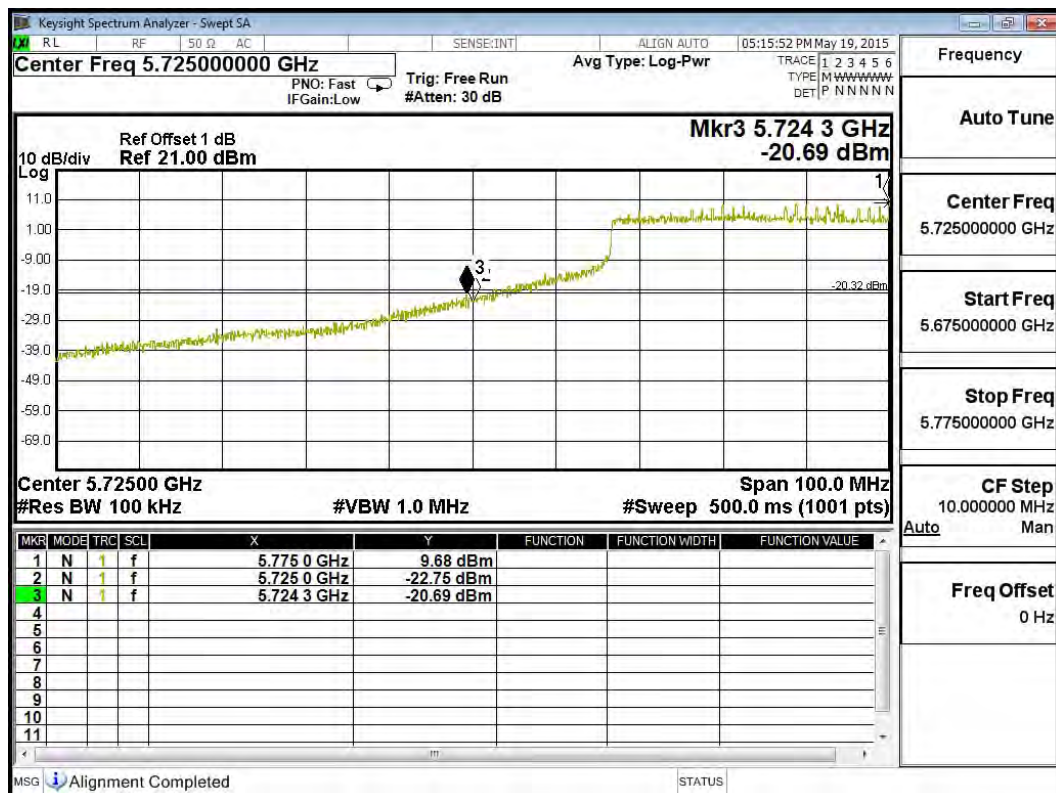
Test Frequency (MHz)	Measurement Level Δ (dB)	Limit Δ (dB)	Result
5780	33.54	>30	PASS



Product : 802.11 ac PCIe Module
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Mode : Mode 16: Transmit - 802.11ac-80BW_65Mbps(5G Band)(Panel Antenna)

Chain B

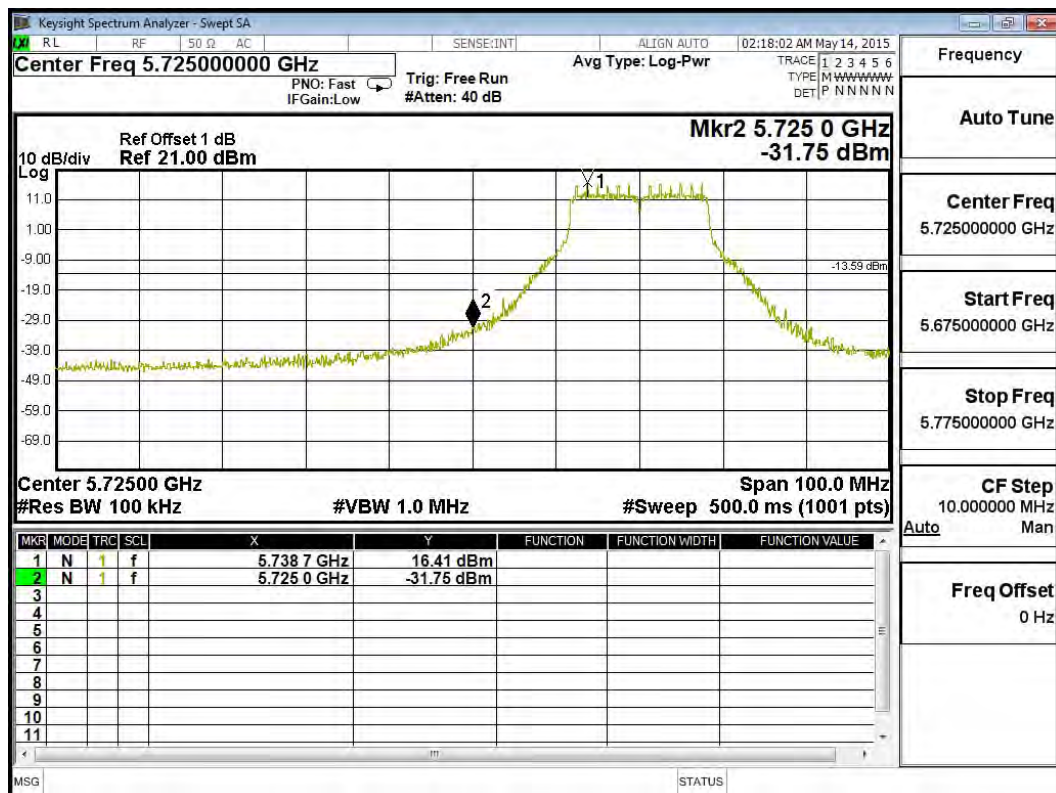
Test Frequency (MHz)	Measurement Level Δ (dB)	Limit Δ (dB)	Result
5780	30.37	>30	PASS



Product : 802.11 ac PCIe Module
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Mode : Mode 17: Transmit - 802.11a_6Mbps(Sector Antenna)

Chain A

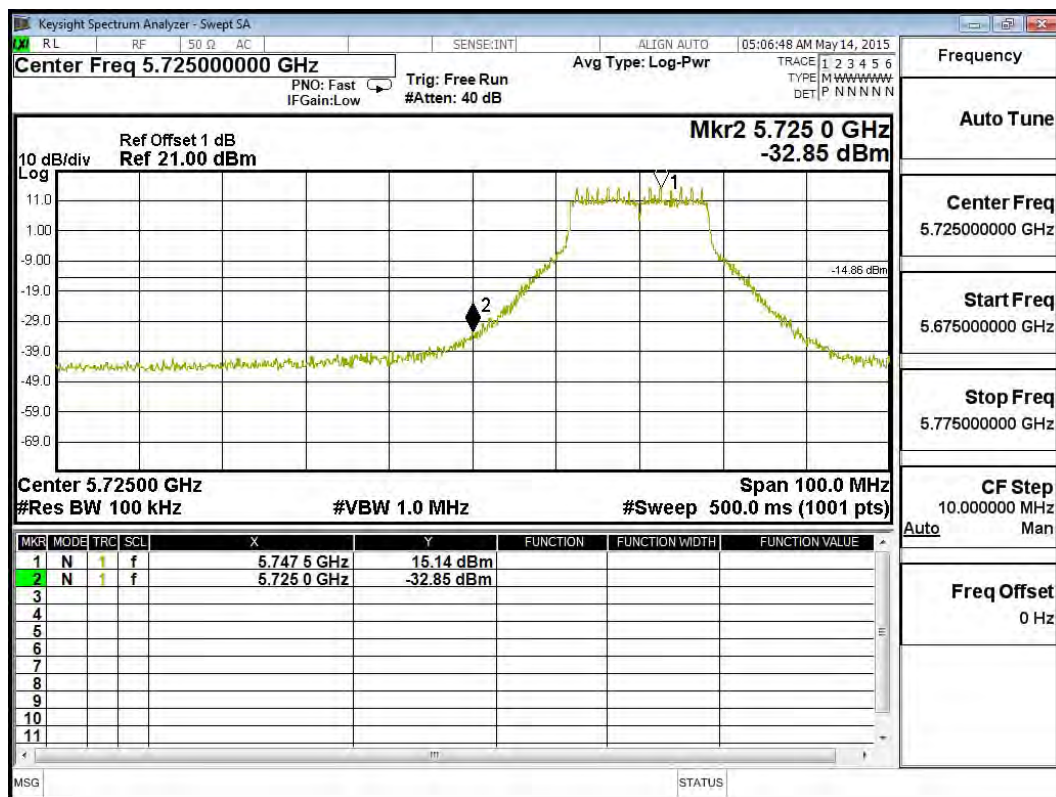
Test Frequency (MHz)	Measurement Level Δ (dB)	Limit Δ (dB)	Result
5745	48.16	>30	PASS



Product : 802.11 ac PCIe Module
Test Item : Band Edge
Test Site : No.3 OATS
Test Mode : Mode 17: Transmit - 802.11a_6Mbps(Sector Antenna)

Chain B

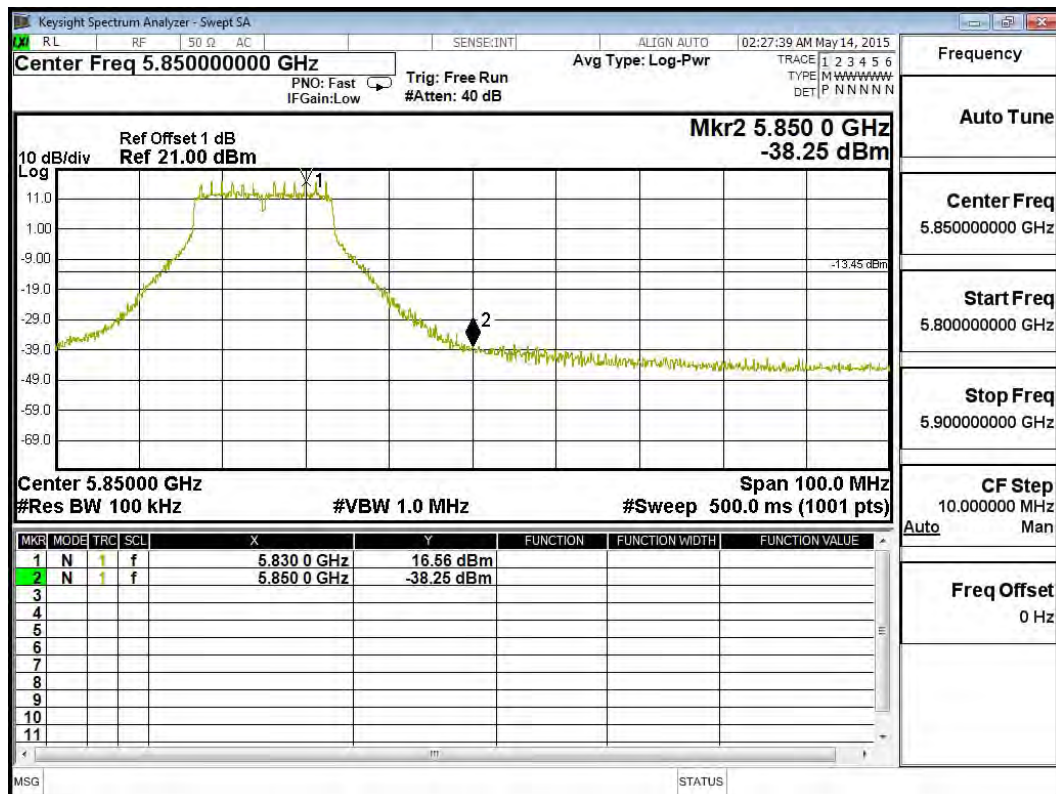
Test Frequency (MHz)	Measurement Level Δ (dB)	Limit Δ (dB)	Result
5745	47.99	>30	PASS



Product : 802.11 ac PCIe Module
Test Item : Band Edge
Test Site : No.3 OATS
Test Mode : Mode 17: Transmit - 802.11a_6Mbps(Sector Antenna)

Chain A

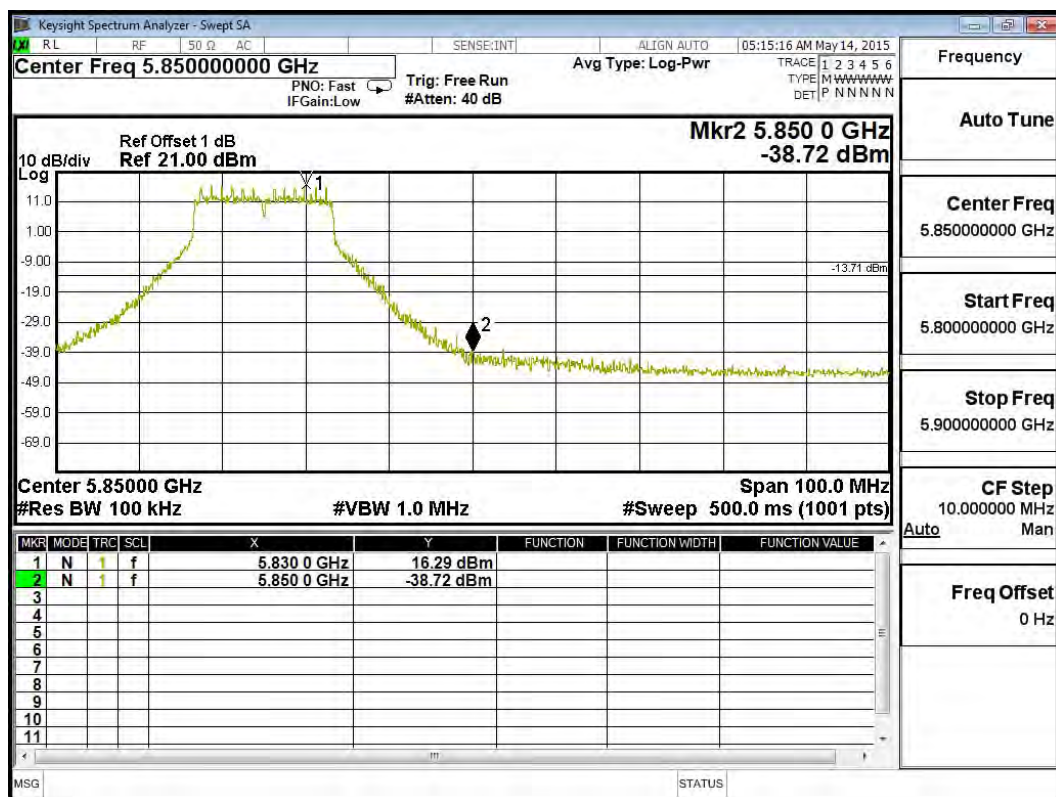
Test Frequency (MHz)	Measurement Level Δ (dB)	Limit Δ (dB)	Result
5825	54.82	>30	PASS



Product : 802.11 ac PCIe Module
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Mode : Mode 17: Transmit - 802.11a_6Mbps(Sector Antenna)

Chain B

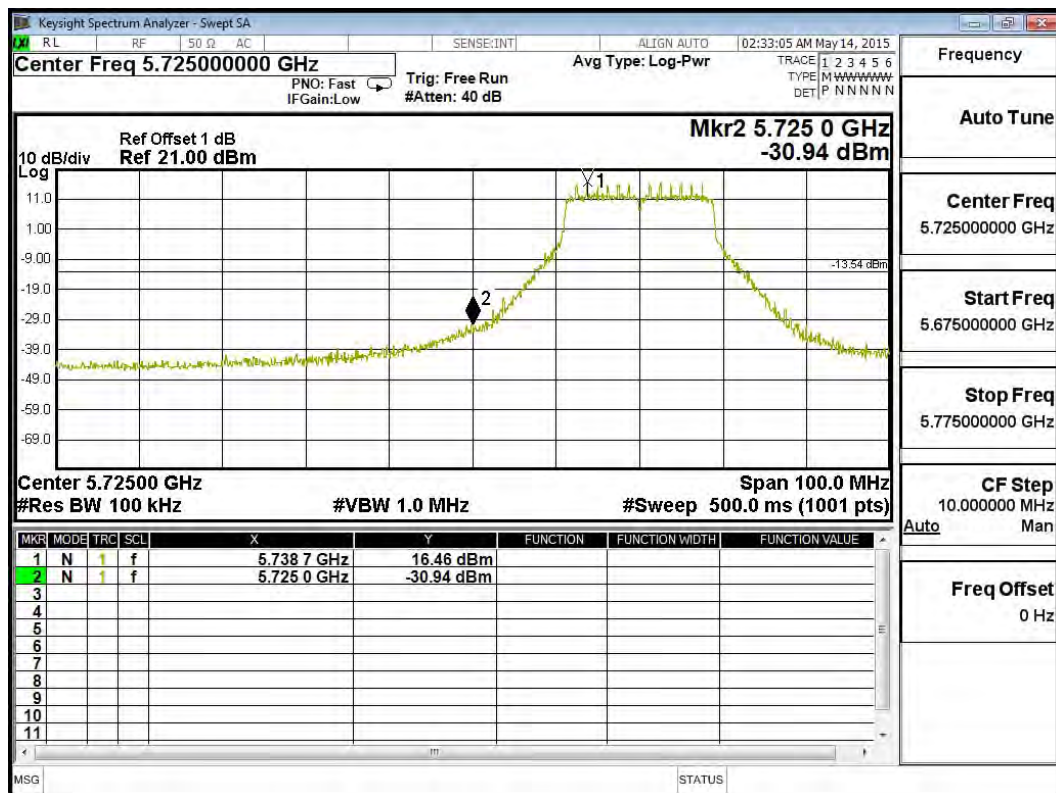
Test Frequency (MHz)	Measurement Level Δ (dB)	Limit Δ (dB)	Result
5825	55.01	>30	PASS



Product : 802.11 ac PCIe Module
Test Item : Band Edge
Test Site : No.3 OATS
Test Mode : Mode 18: Transmit - 802.11n-20BW_14.4Mbps(5G Band)(Sector Antenna)

Chain A

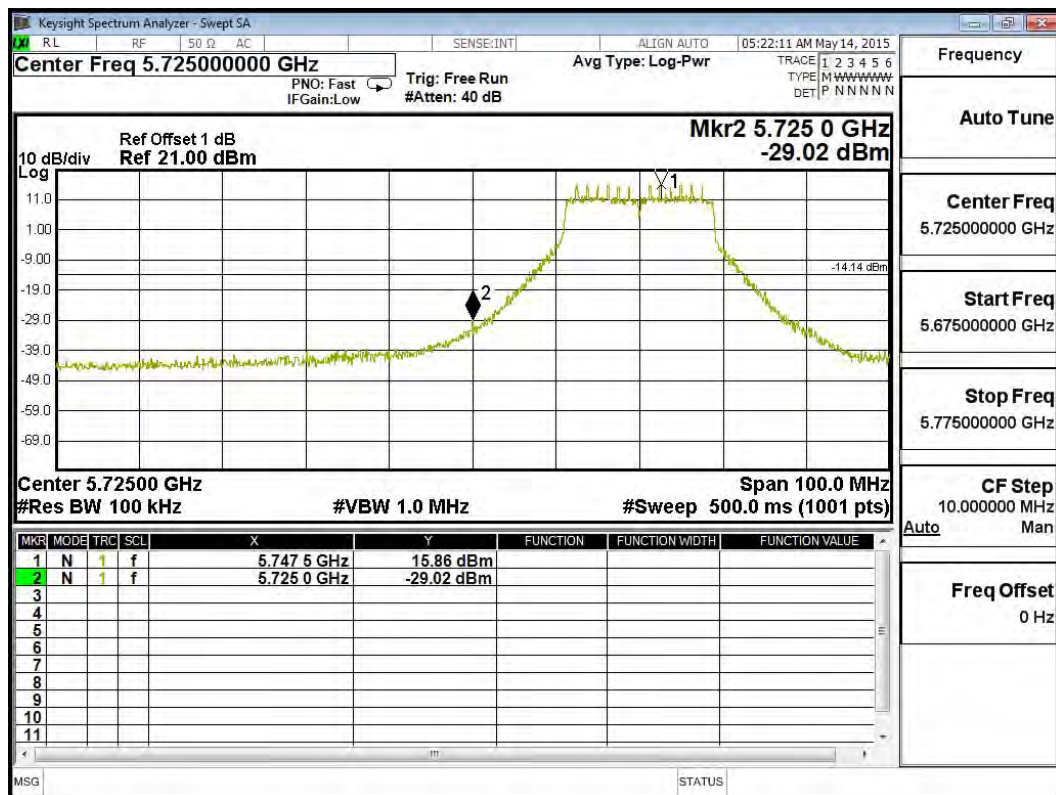
Test Frequency (MHz)	Measurement Level Δ (dB)	Limit Δ (dB)	Result
5745	47.40	>30	PASS



Product : 802.11 ac PCIe Module
Test Item : Band Edge
Test Site : No.3 OATS
Test Mode : Mode 18: Transmit - 802.11n-20BW_14.4Mbps(5G Band)(Sector Antenna)

Chain B

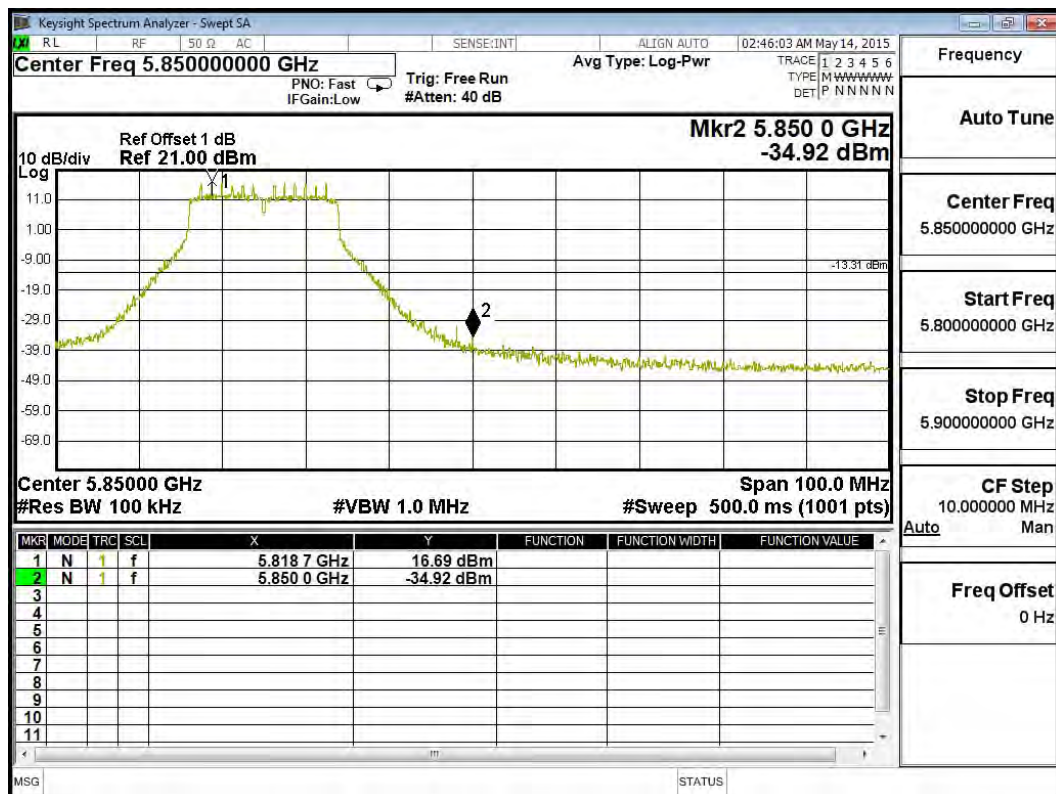
Test Frequency (MHz)	Measurement Level Δ (dB)	Limit Δ (dB)	Result
5745	44.88	>30	PASS



Product : 802.11 ac PCIe Module
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Mode : Mode 18: Transmit - 802.11n-20BW_14.4Mbps(5G Band)(Sector Antenna)

Chain A

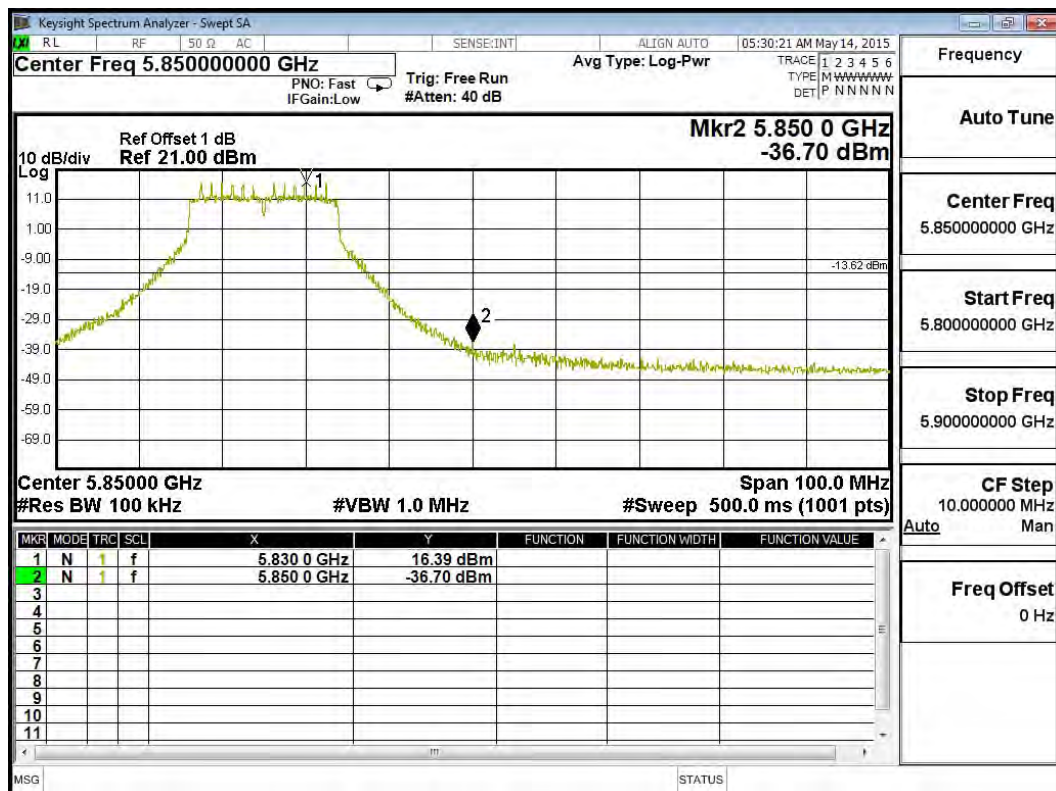
Test Frequency (MHz)	Measurement Level Δ (dB)	Limit Δ (dB)	Result
5825	51.61	>30	PASS



Product : 802.11 ac PCIE Module
Test Item : Band Edge
Test Site : No.3 OATS
Test Mode : Mode 18: Transmit - 802.11n-20BW_14.4Mbps(5G Band)(Sector Antenna)

Chain B

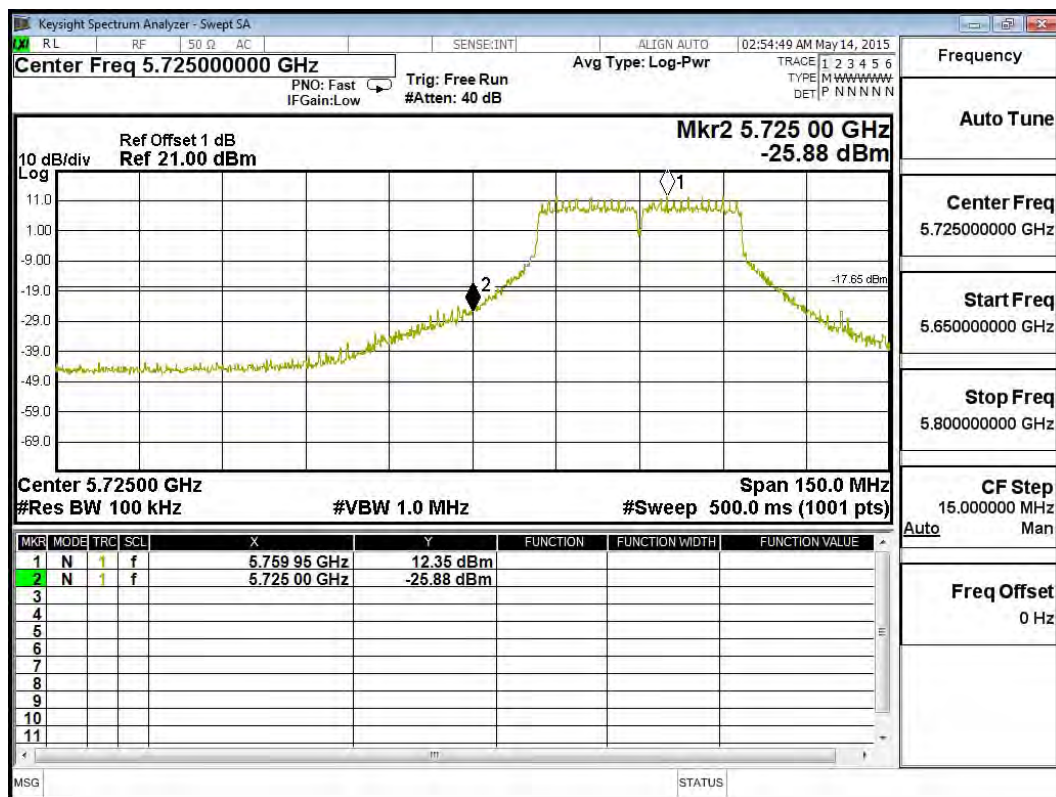
Test Frequency (MHz)	Measurement Level Δ (dB)	Limit Δ (dB)	Result
5825	53.09	>30	PASS



Product : 802.11 ac PCIe Module
Test Item : Band Edge
Test Site : No.3 OATS
Test Mode : Mode 19: Transmit - 802.11n-40BW_30Mbps(5G Band)(Sector Antenna)

Chain A

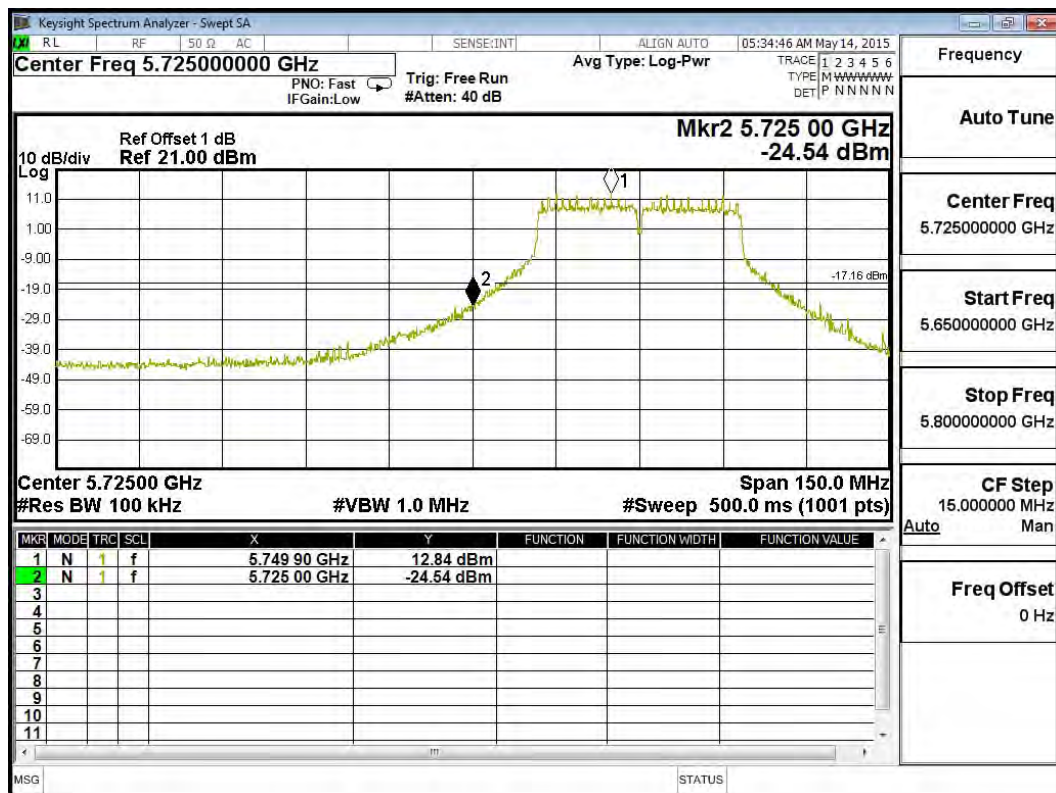
Test Frequency (MHz)	Measurement Level Δ (dB)	Limit Δ (dB)	Result
5755	38.23	>30	PASS



Product : 802.11 ac PCIE Module
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Mode : Mode 19: Transmit - 802.11n-40BW_30Mbps(5G Band)(Sector Antenna)

Chain B

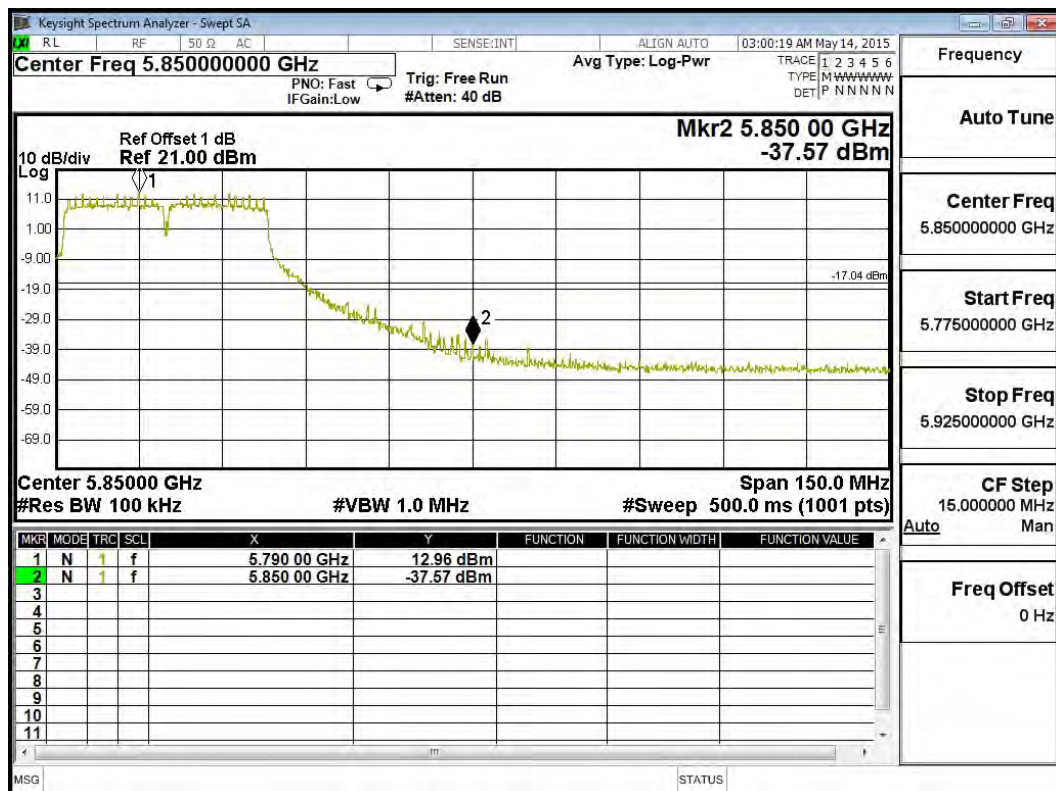
Test Frequency (MHz)	Measurement Level Δ (dB)	Limit Δ (dB)	Result
5755	37.38	>30	PASS



Product : 802.11 ac PCie Module
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Mode : Mode 19: Transmit - 802.11n-40BW_30Mbps(5G Band)(Sector Antenna)

Chain A

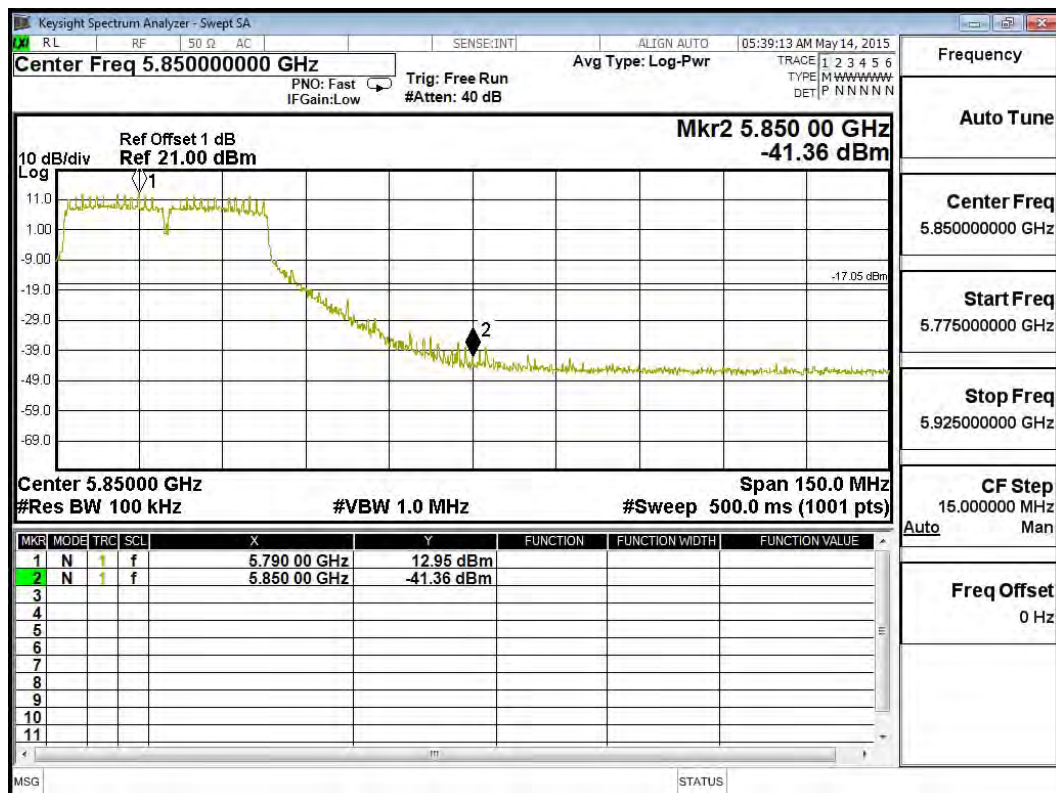
Test Frequency (MHz)	Measurement Level Δ (dB)	Limit Δ (dB)	Result
5795	50.53	>30	PASS



Product : 802.11 ac PCIe Module
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Mode : Mode 19: Transmit - 802.11n-40BW_30Mbps(5G Band)(Sector Antenna)

Chain B

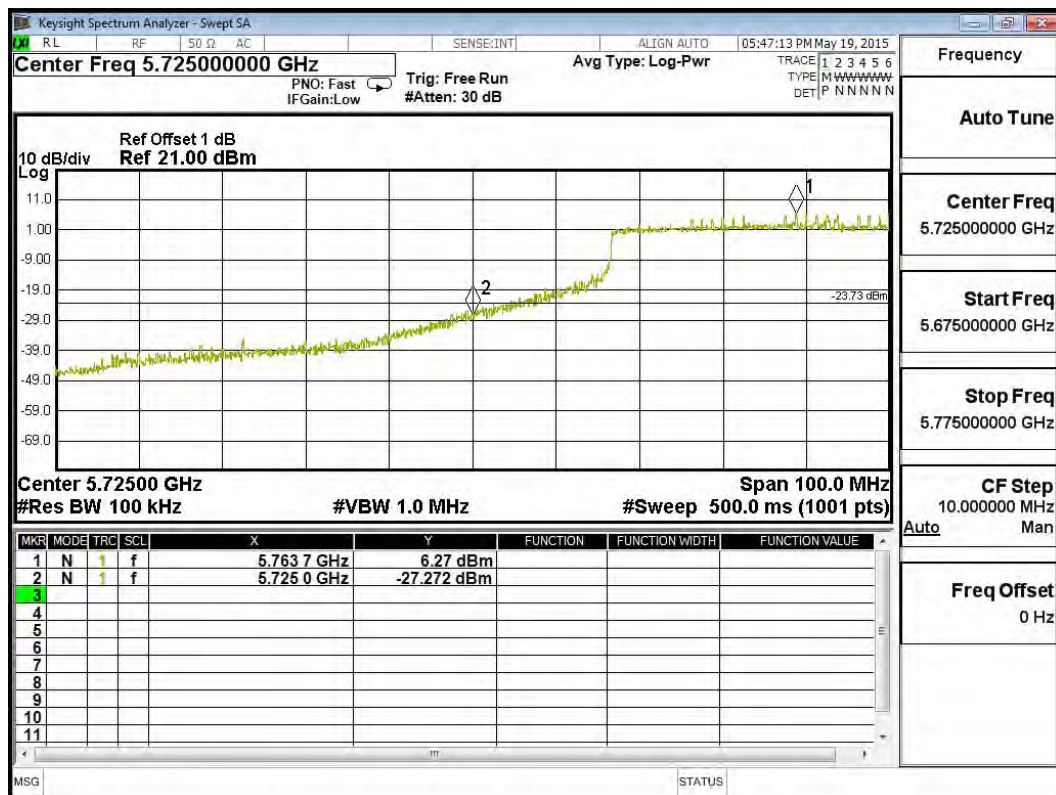
Test Frequency (MHz)	Measurement Level Δ (dB)	Limit Δ (dB)	Result
5795	54.31	>30	PASS



Product : 802.11 ac PCIe Module
Test Item : Band Edge
Test Site : No.3 OATS
Test Mode : Mode 20: Transmit - 802.11ac-80BW_65Mbps(5G Band)(Sector Antenna)

Chain A

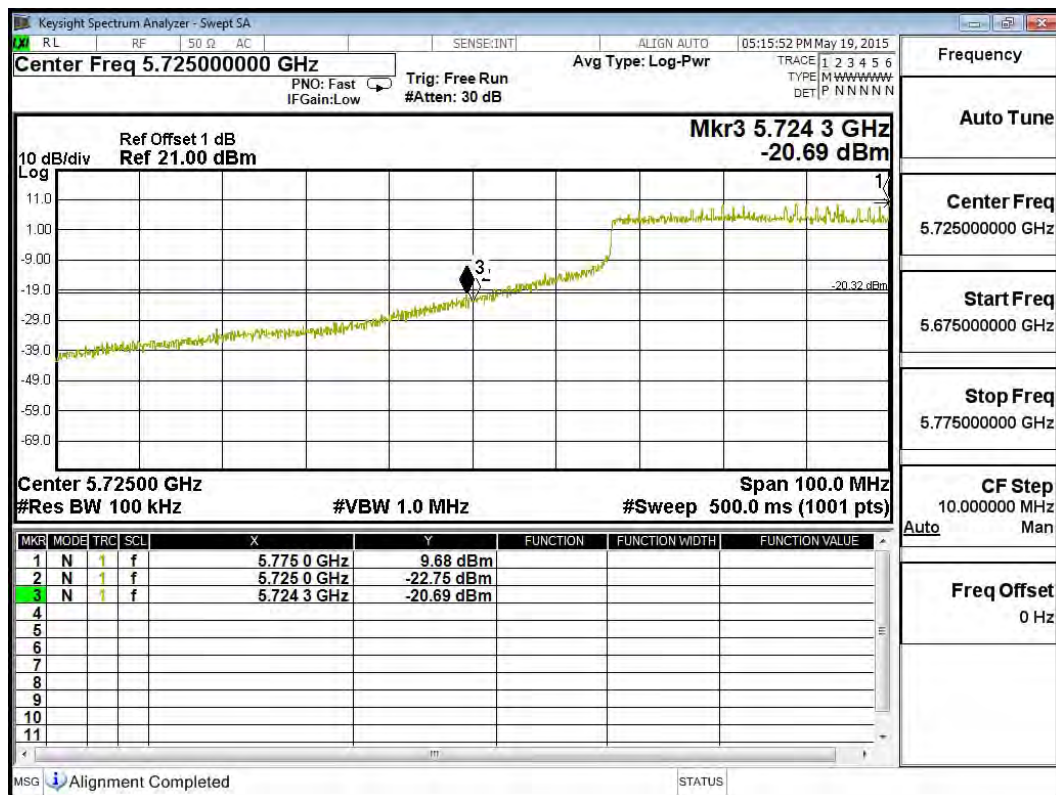
Test Frequency (MHz)	Measurement Level Δ (dB)	Limit Δ (dB)	Result
5780	33.54	>30	PASS



Product : 802.11 ac PCIe Module
Test Item : Band Edge
Test Site : No.3 OATS
Test Mode : Mode 20: Transmit - 802.11ac-80BW_65Mbps(5G Band)(Sector Antenna)

Chain B

Test Frequency (MHz)	Measurement Level Δ (dB)	Limit Δ (dB)	Result
5780	30.37	>30	PASS



7. Occupied Bandwidth

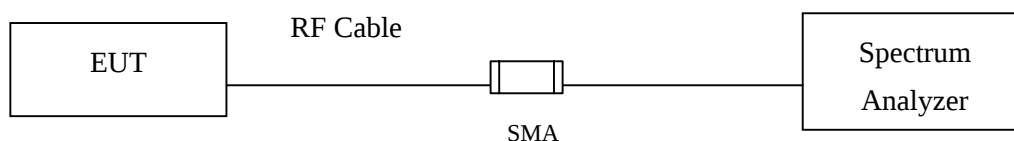
7.1. Test Equipment

	Equipment	Manufacturer	Model No./Serial No.	Last Cal.
	Spectrum Analyzer	R&S	FSP40 / 100170	Jun, 2014
	Spectrum Analyzer	Agilent	E4407B / US39440758	Jun, 2014
X	Spectrum Analyzer	Agilent	N9010A / MY48030495	Apr., 2015

Note:

1. All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.
2. The test instruments marked with “X” are used to measure the final test results.

7.2. Test Setup



7.3. Limits

The minimum bandwidth shall be at least 500 kHz.

7.4. Test Procedure

The EUT was setup according to ANSI C63.10, 2013; tested according to DTS test procedure of KDB558074 for compliance to FCC 47CFR 15.247 requirements.

Set RBW = 1-5% of the emission bandwidth, $VBW \geq 3 \cdot RBW$

7.5. Uncertainty

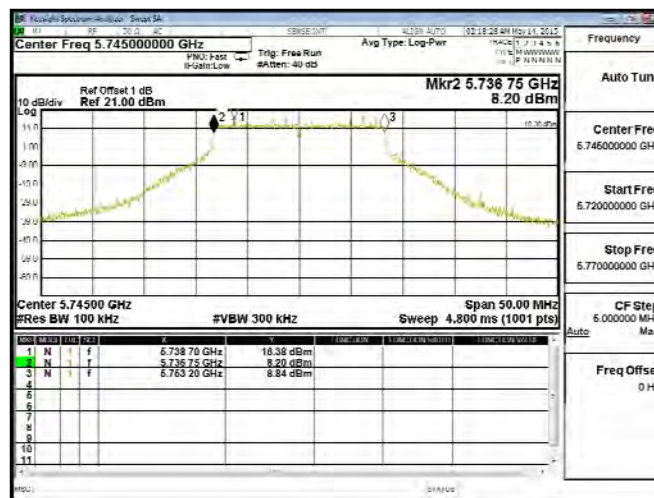
$\pm 150\text{Hz}$

7.6. Test Result of Occupied Bandwidth

Product : 802.11 ac PCIe Module
Test Item : Occupied Bandwidth Data
Test Site : No.3 OATS
Test Mode : Mode 1: Transmit - 802.11a_6Mbps(Dipole Antenna) (5745MHz)

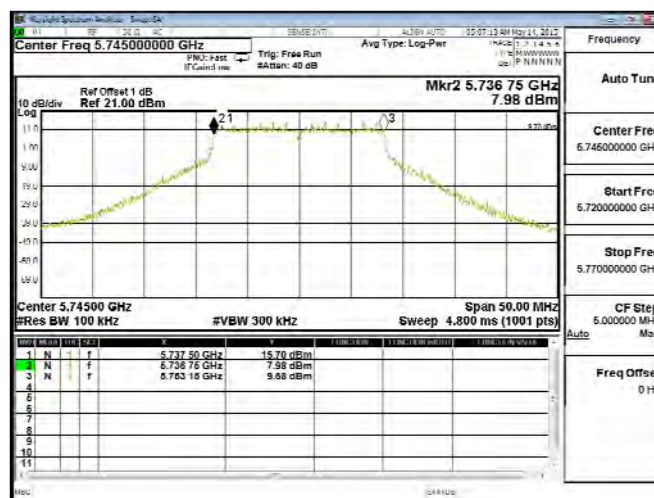
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
149	5745	16450	>500	Pass

Figure Channel 149: (Chain A)



Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
149	5745	16400	>500	Pass

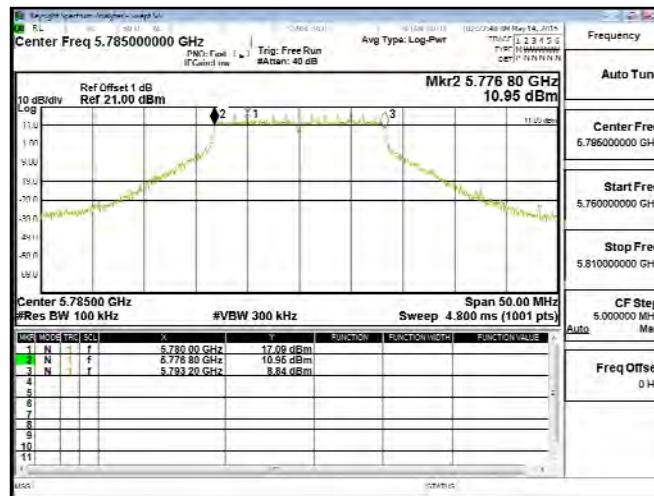
Figure Channel 149: (Chain B)



Product : 802.11 ac PCIe Module
 Test Item : Occupied Bandwidth Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit - 802.11a_6Mbps(Dipole Antenna) (5785MHz)

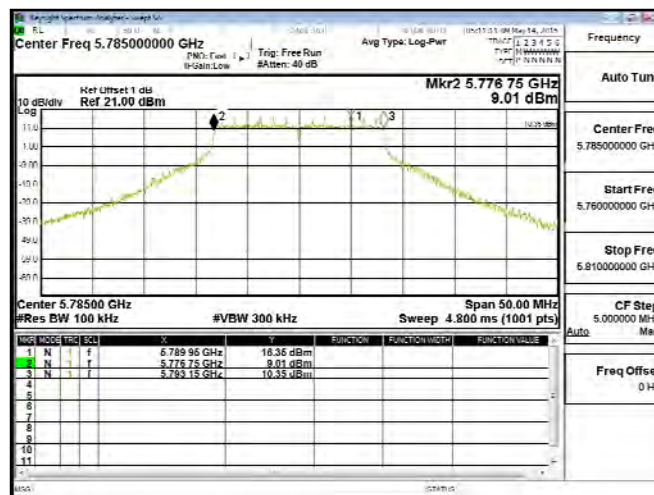
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
157	5785	16400	>500	Pass

Figure Channel 157: (Chain A)



Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
157	5785	16400	>500	Pass

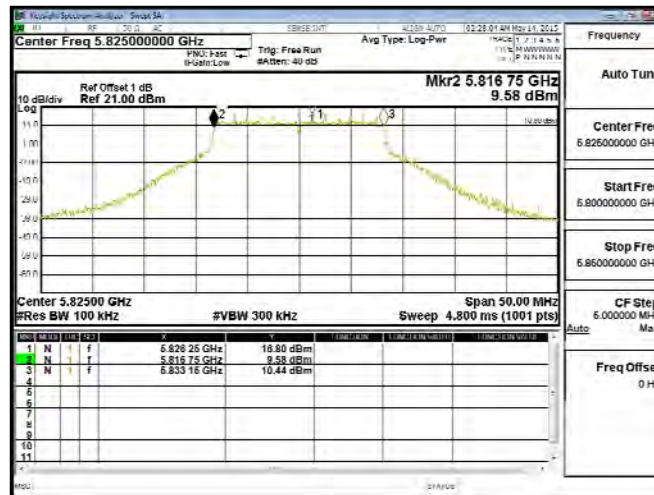
Figure Channel 157: (Chain B)



Product : 802.11 ac PCIe Module
Test Item : Occupied Bandwidth Data
Test Site : No.3 OATS
Test Mode : Mode 1: Transmit - 802.11a_6Mbps(Dipole Antenna) (5825MHz)

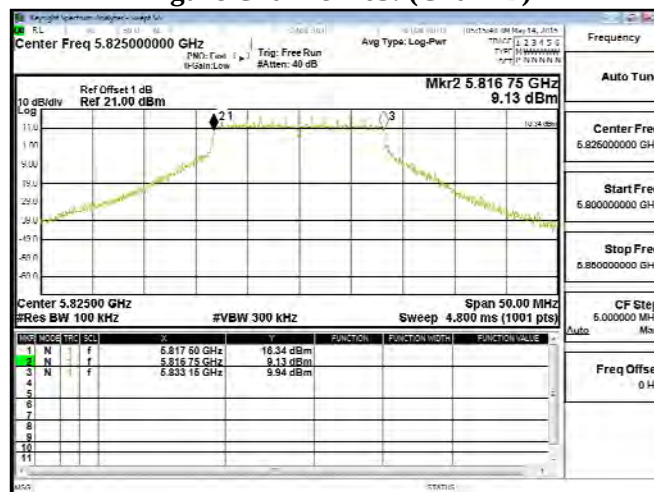
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
165	5825	16400	>500	Pass

Figure Channel 165: (Chain A)



Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
165	5825	16400	>500	Pass

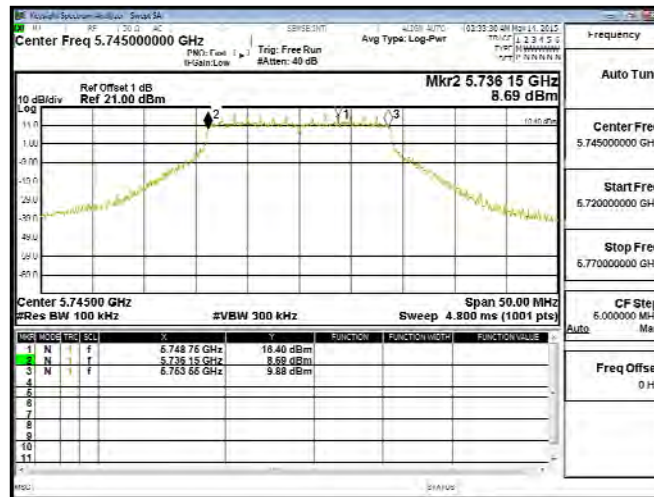
Figure Channel 165: (Chain B)



Product : 802.11 ac PCIe Module
Test Item : Occupied Bandwidth Data
Test Site : No.3 OATS
Test Mode : Mode 2: Transmit - 802.11n-20BW_14.4Mbps(5G Band)(Dipole Antenna)
(5745MHz)

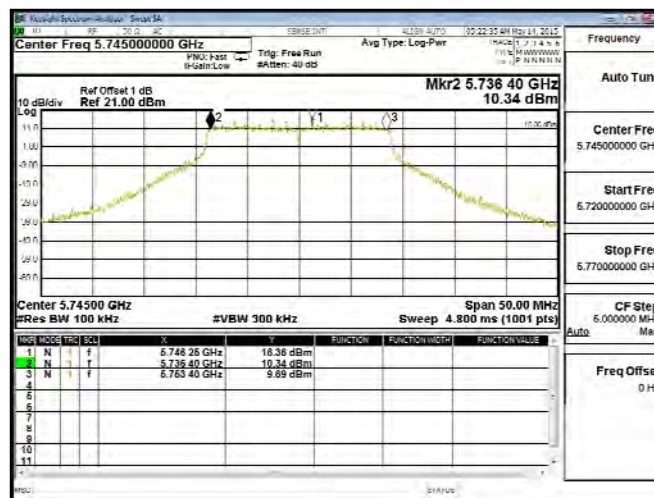
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
149	5745	17400	>500	Pass

Figure Channel 149: (Chain A)



Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
149	5745	17000	>500	Pass

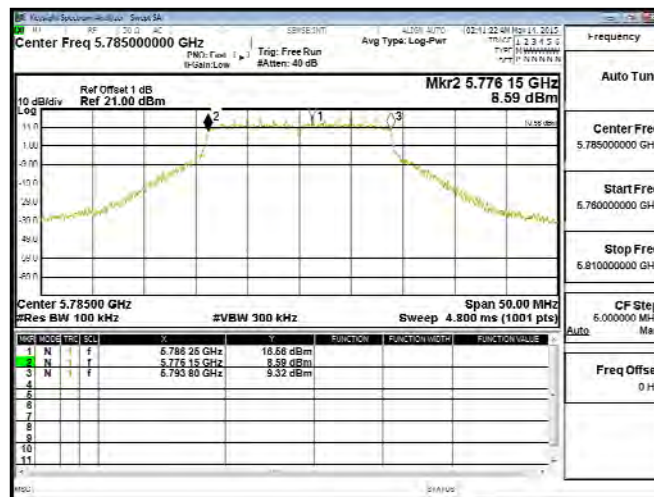
Figure Channel 149: (Chain B)



Product : 802.11 ac PCIe Module
Test Item : Occupied Bandwidth Data
Test Site : No.3 OATS
Test Mode : Mode 2: Transmit - 802.11n-20BW_14.4Mbps(5G Band)(Dipole Antenna)
(5785MHz)

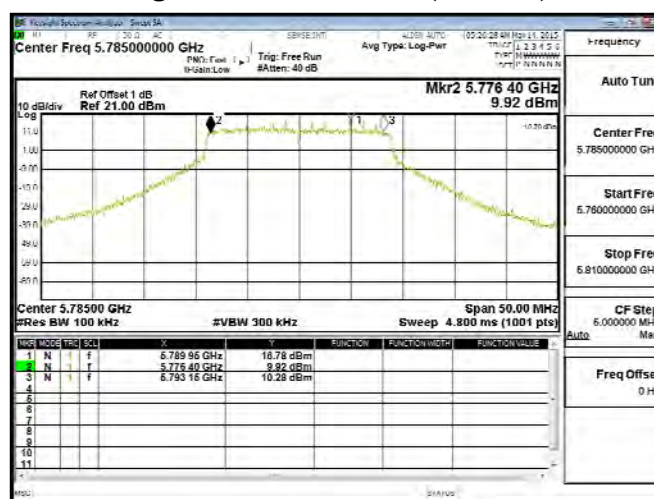
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
157	5785	17650	>500	Pass

Figure Channel 157: (Chain A)



Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
157	5785	16750	>500	Pass

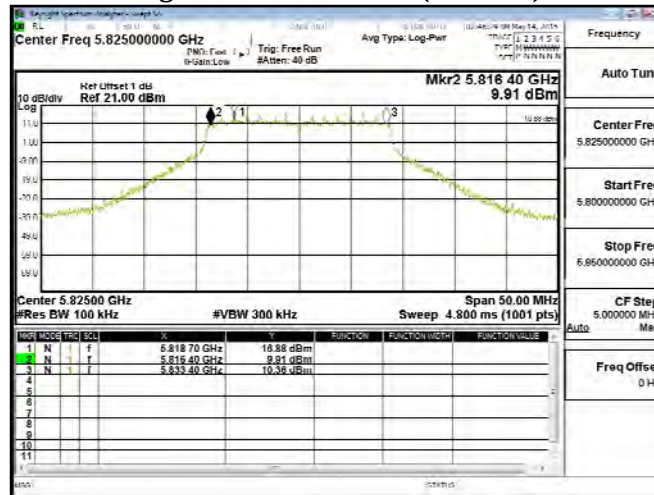
Figure Channel 157: (Chain B)



Product : 802.11 ac PCIe Module
Test Item : Occupied Bandwidth Data
Test Site : No.3 OATS
Test Mode : Mode 2: Transmit - 802.11n-20BW_14.4Mbps(5G Band)(Dipole Antenna)
(5825MHz)

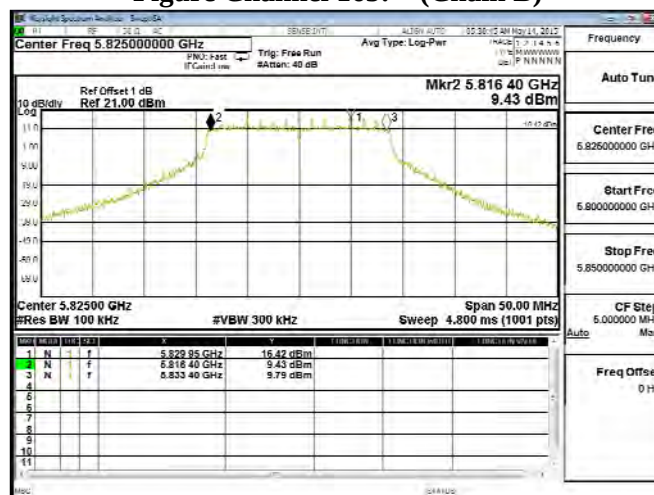
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
165	5825	17000	>500	Pass

Figure Channel 165: (Chain A)



Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
165	5825	17000	>500	Pass

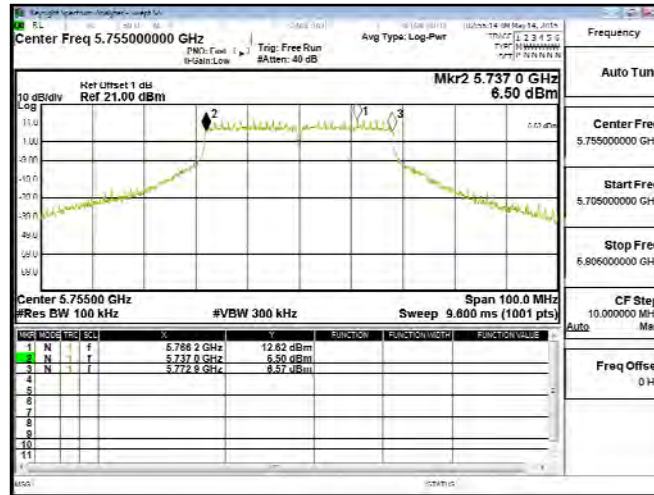
Figure Channel 165: (Chain B)



Product : 802.11 ac PCIe Module
Test Item : Occupied Bandwidth Data
Test Site : No.3 OATS
Test Mode : Mode 3: Transmit - 802.11n-40BW_30Mbps(5G Band)(Dipole Antenna) (5755MHz)

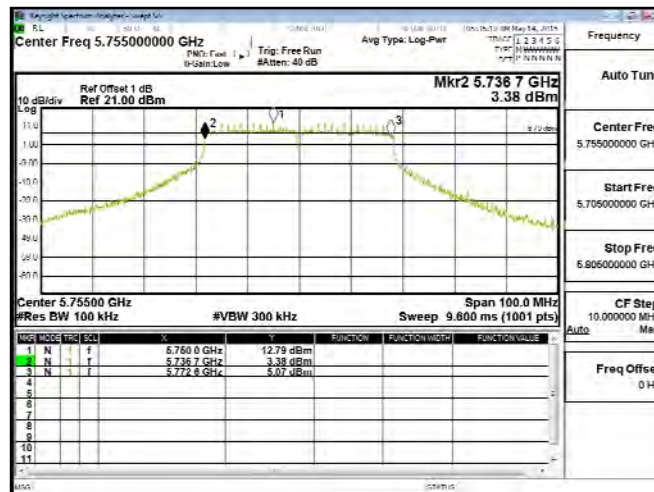
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
151	5755	35900	>500	Pass

Figure Channel 151: (Chain A)



Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
151	5755	35900	>500	Pass

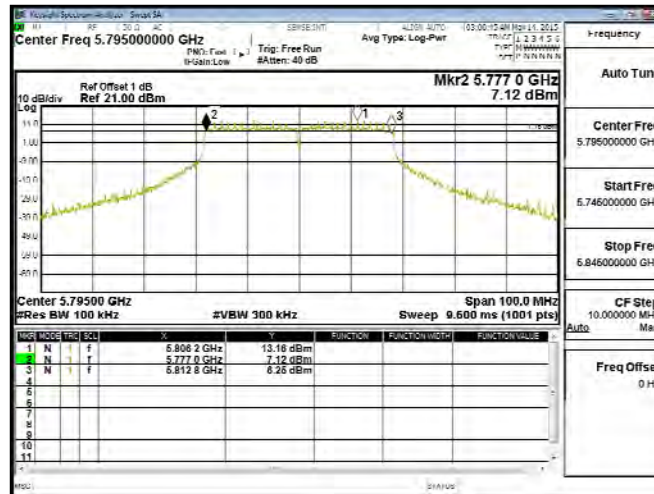
Figure Channel 151: (Chain B)



Product : 802.11 ac PCIe Module
Test Item : Occupied Bandwidth Data
Test Site : No.3 OATS
Test Mode : Mode 3: Transmit - 802.11n-40BW_30Mbps(5G Band)(Dipole Antenna) (5795MHz)

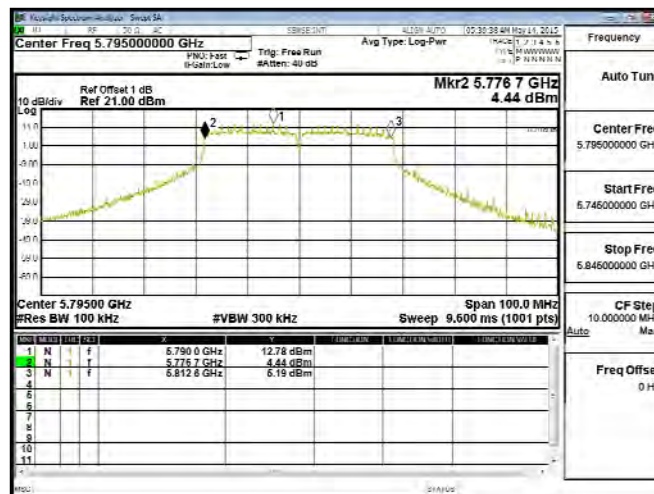
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
159	5795	35800	>500	Pass

Figure Channel 159: (Chain A)



Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
159	5795	35900	>500	Pass

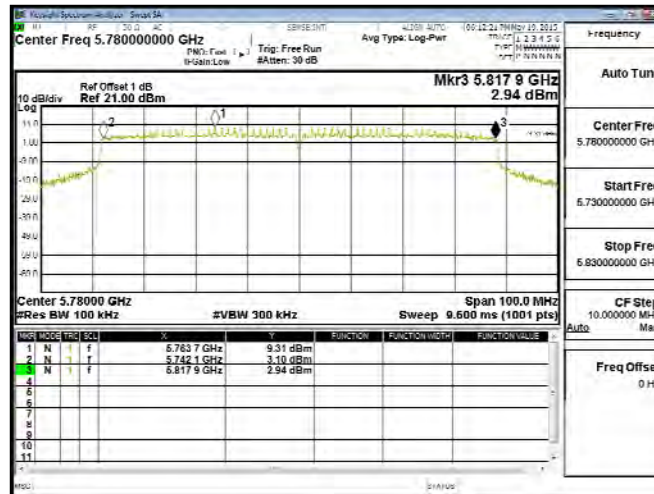
Figure Channel 159: (Chain B)



Product : 802.11 ac PCIe Module
 Test Item : Occupied Bandwidth Data
 Test Site : No.3 OATS
 Test Mode : Mode 4: Transmit - 802.11ac-80BW_65Mbps(5G Band)(Dipole Antenna) (5780MHz)

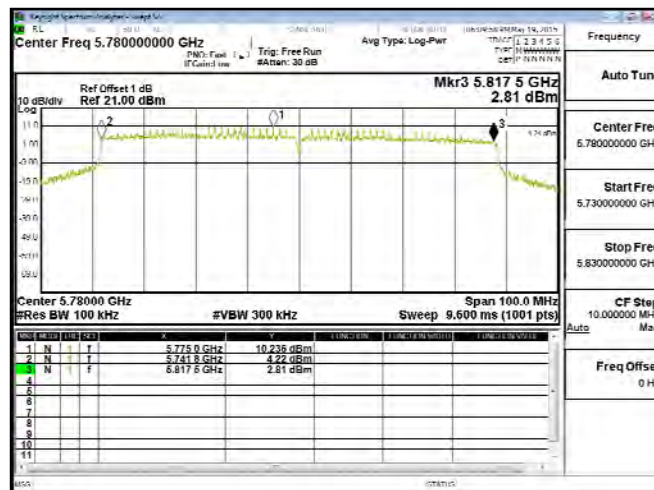
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
1	5780	75800	>500	Pass

Figure Channel 156: (Chain A)



Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
1	5780	75700	>500	Pass

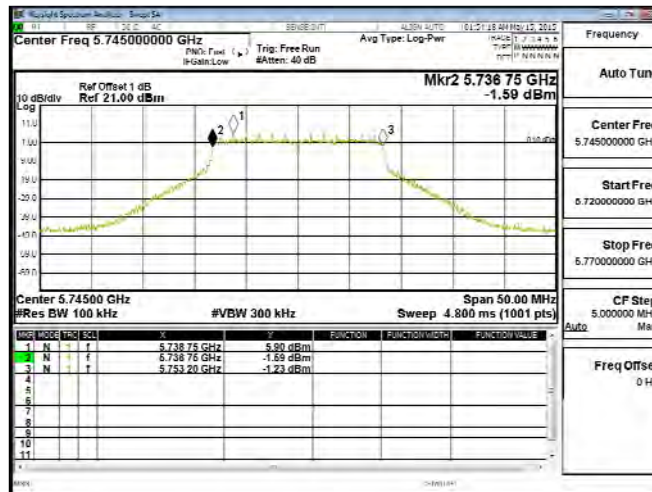
Figure Channel 156: (Chain B)



Product : 802.11 ac PCIe Module
 Test Item : Occupied Bandwidth Data
 Test Site : No.3 OATS
 Test Mode : Mode 5: Transmit - 802.11a_6Mbps(Grid DISH Antenna) (5745MHz)

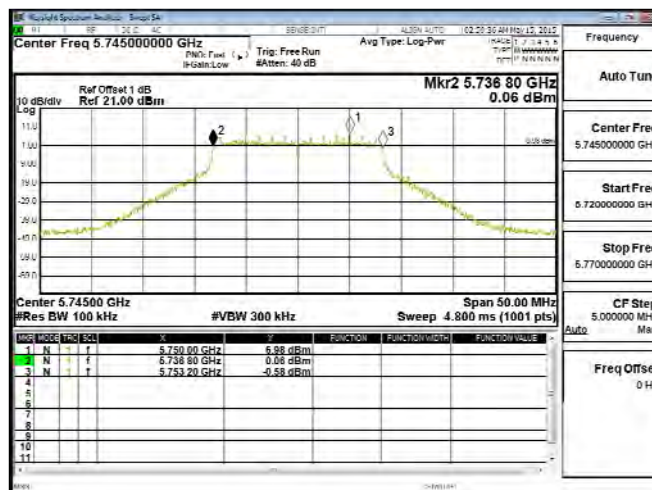
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
149	5745	16450	>500	Pass

Figure Channel 149: (Chain A)



Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
149	5745	16400	>500	Pass

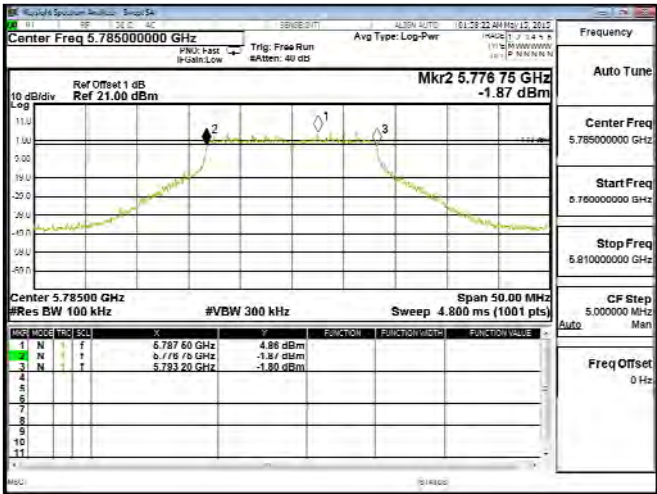
Figure Channel 149: (Chain B)



Product	:	802.11 ac PCIe Module
Test Item	:	Occupied Bandwidth Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 5: Transmit - 802.11a_6Mbps(Grid DISH Antenna) (5785MHz)

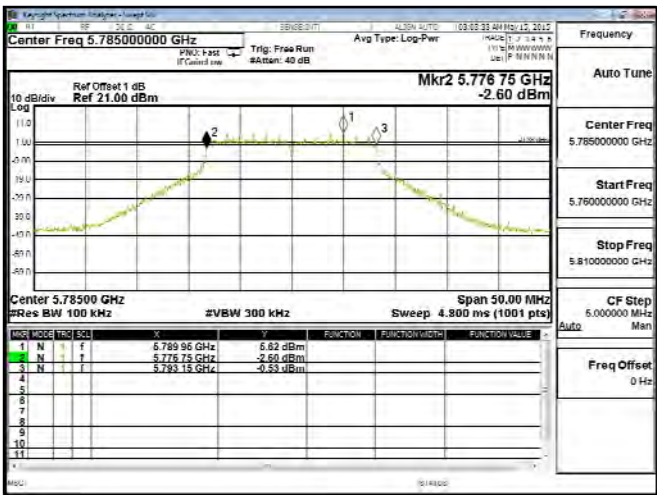
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
157	5785	16400	>500	Pass

Figure Channel 157: (Chain A)



Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
157	5785	16400	>500	Pass

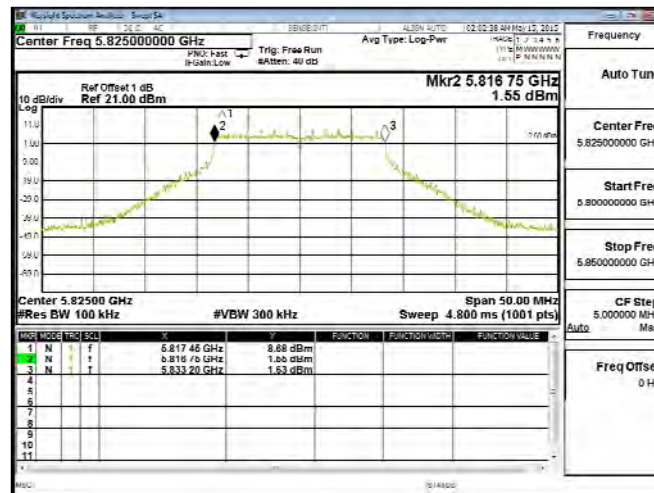
Figure Channel 157: (Chain B)



Product : 802.11 ac PCIe Module
Test Item : Occupied Bandwidth Data
Test Site : No.3 OATS
Test Mode : Mode 5: Transmit - 802.11a_6Mbps(Grid DISH Antenna) (5825MHz)

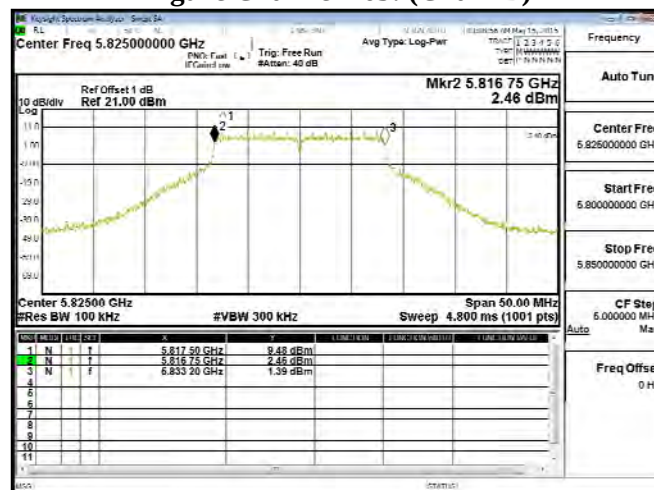
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
165	5825	16400	>500	Pass

Figure Channel 165: (Chain A)



Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
165	5825	16400	>500	Pass

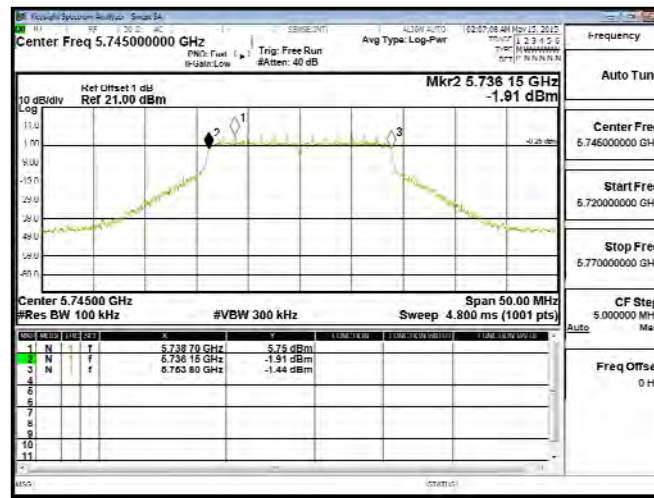
Figure Channel 165: (Chain B)



Product : 802.11 ac PCIE Module
 Test Item : Occupied Bandwidth Data
 Test Site : No.3 OATS
 Test Mode : Mode 6: Transmit - 802.11n-20BW_14.4Mbps(5G Band)(Grid DISH Antenna)
 (5745MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
149	5745	17400	>500	Pass

Figure Channel 149: (Chain A)



Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
149	5745	17000	>500	Pass

Figure Channel 149: (Chain B)



Product : 802.11 ac PCIe Module
Test Item : Occupied Bandwidth Data
Test Site : No.3 OATS
Test Mode : Mode 6: Transmit - 802.11n-20BW_14.4Mbps(5G Band)(Grid DISH Antenna)
(5785MHz)

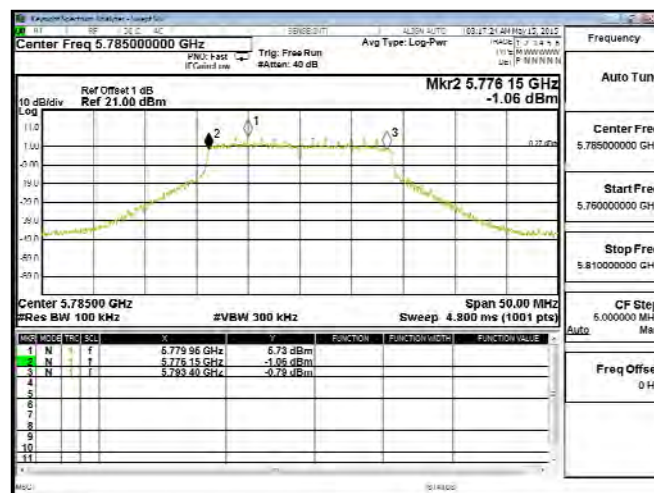
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
157	5785	17650	>500	Pass

Figure Channel 157: (Chain A)



Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
157	5785	16750	>500	Pass

Figure Channel 157: (Chain B)



Product : 802.11 ac PCIe Module
 Test Item : Occupied Bandwidth Data
 Test Site : No.3 OATS
 Test Mode : Mode 6: Transmit - 802.11n-20BW_14.4Mbps(5G Band)(Grid DISH Antenna)
 (5825MHz)

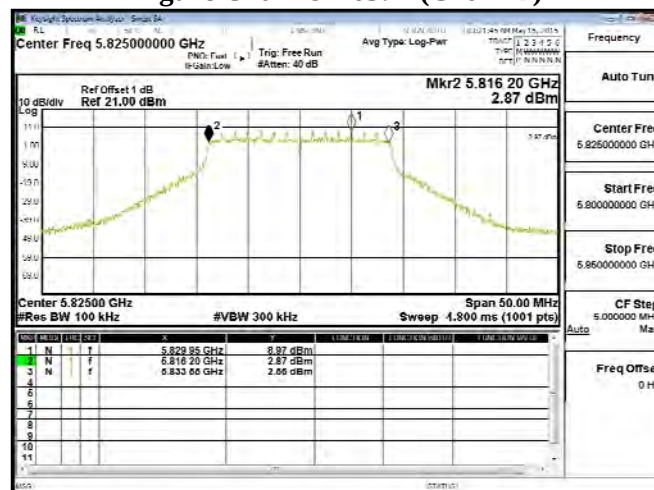
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
165	5825	17000	>500	Pass

Figure Channel 165: (Chain A)



Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
165	5825	17000	>500	Pass

Figure Channel 165: (Chain B)



Product : 802.11 ac PCIe Module
 Test Item : Occupied Bandwidth Data
 Test Site : No.3 OATS
 Test Mode : Mode 7: Transmit - 802.11n-40BW_30Mbps(5G Band)(Grid DISH Antenna)
 (5755MHz)

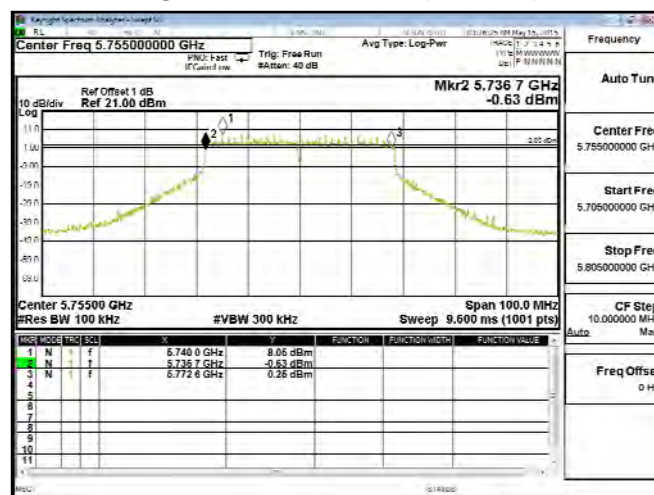
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
151	5755	35900	>500	Pass

Figure Channel 151: (Chain A)



Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
151	5755	35900	>500	Pass

Figure Channel 151: (Chain B)



Product : 802.11 ac PCIe Module
 Test Item : Occupied Bandwidth Data
 Test Site : No.3 OATS
 Test Mode : Mode 7: Transmit - 802.11n-40BW_30Mbps(5G Band)(Grid DISH Antenna)
 (5795MHz)

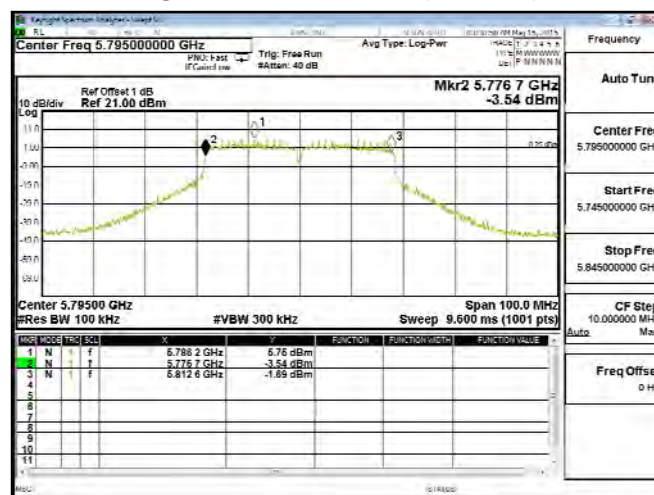
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
159	5795	35800	>500	Pass

Figure Channel 159: (Chain A)



Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
159	5795	35900	>500	Pass

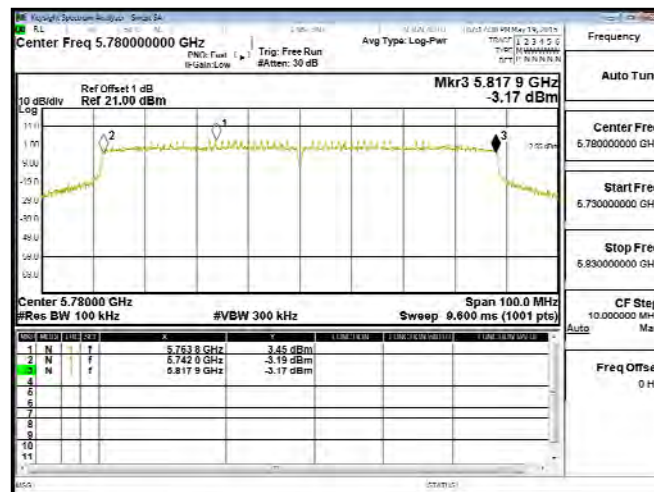
Figure Channel 159: (Chain B)



Product : 802.11 ac PCIe Module
 Test Item : Occupied Bandwidth Data
 Test Site : No.3 OATS
 Test Mode : Mode 8: Transmit - 802.11ac-80BW_65Mbps(5G Band)(Grid DISH Antenna)
 (5780MHz)

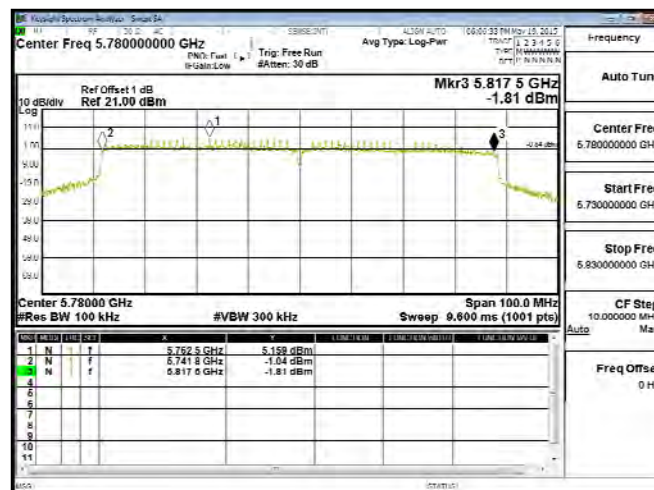
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
1	5780	75900	>500	Pass

Figure Channel 156: (Chain A)



Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
1	5780	75700	>500	Pass

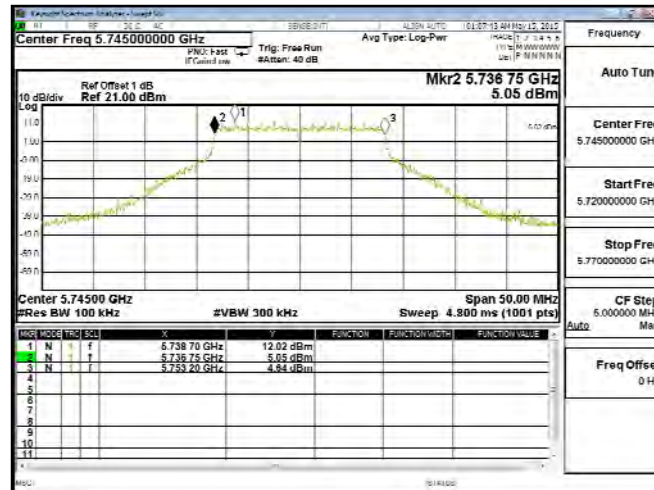
Figure Channel 156: (Chain B)



Product : 802.11 ac PCIe Module
Test Item : Occupied Bandwidth Data
Test Site : No.3 OATS
Test Mode : Mode 9: Transmit - 802.11a_6Mbps(Omni Antenna) (5745MHz)

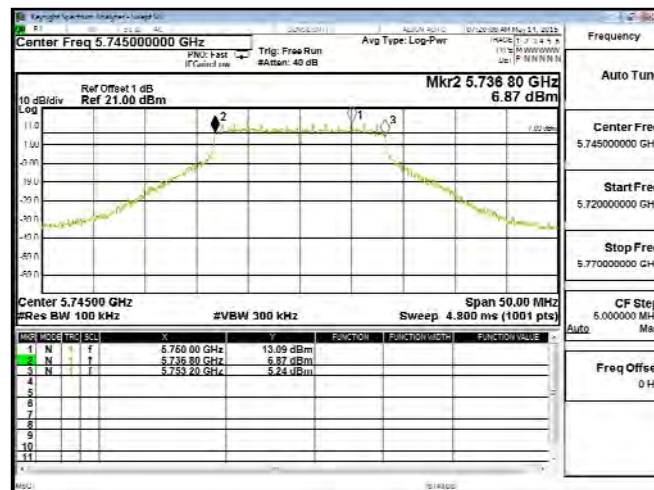
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
149	5745	16450	>500	Pass

Figure Channel 149: (Chain A)



Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
149	5745	16400	>500	Pass

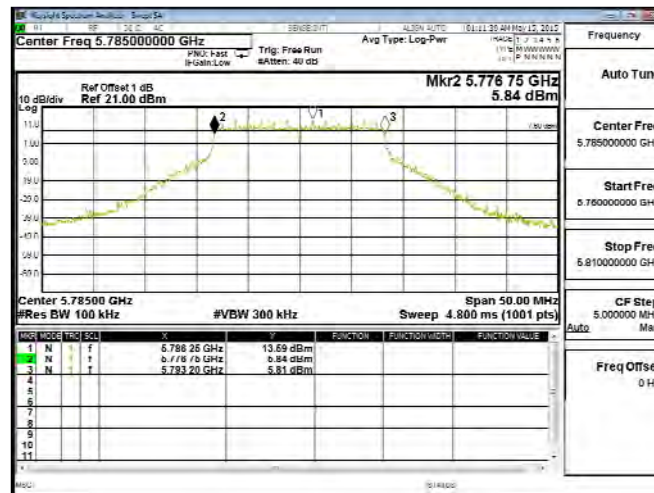
Figure Channel 149: (Chain B)



Product : 802.11 ac PCIe Module
Test Item : Occupied Bandwidth Data
Test Site : No.3 OATS
Test Mode : Mode 9: Transmit - 802.11a_6Mbps(Omni Antenna) (5785MHz)

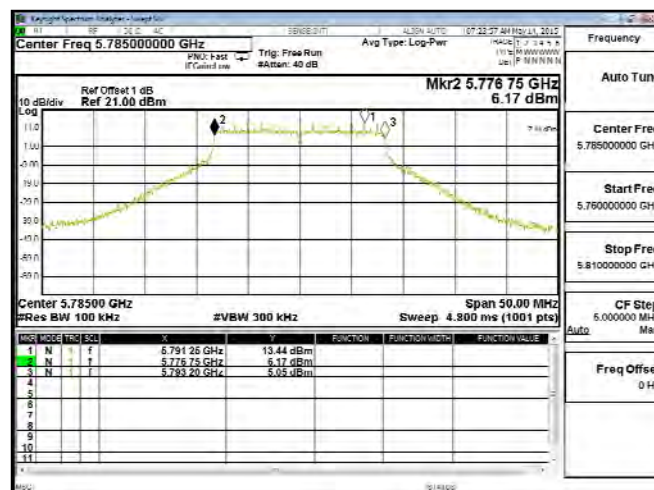
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
157	5785	16400	>500	Pass

Figure Channel 157: (Chain A)



Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
157	5785	16400	>500	Pass

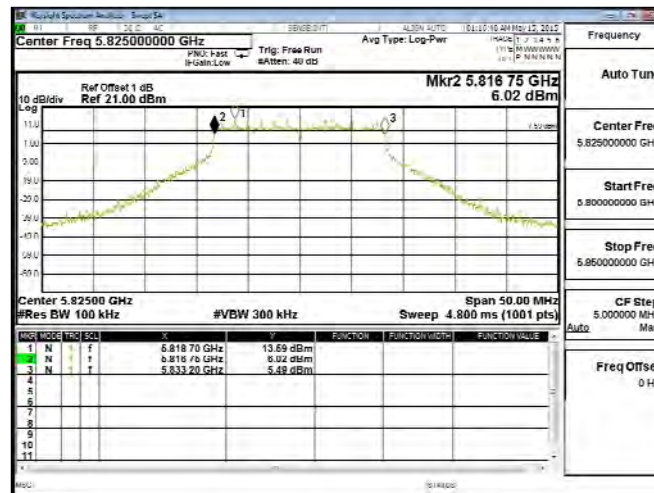
Figure Channel 157: (Chain B)



Product : 802.11 ac PCIe Module
Test Item : Occupied Bandwidth Data
Test Site : No.3 OATS
Test Mode : Mode 9: Transmit - 802.11a_6Mbps(Omni Antenna) (5825MHz)

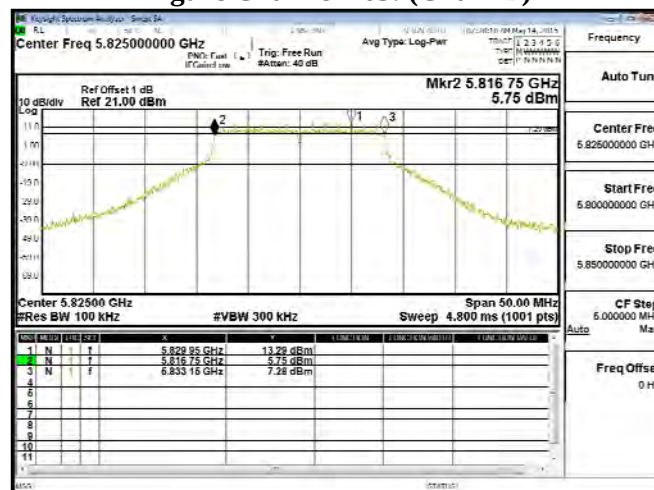
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
165	5825	16400	>500	Pass

Figure Channel 165: (Chain A)



Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
165	5825	16400	>500	Pass

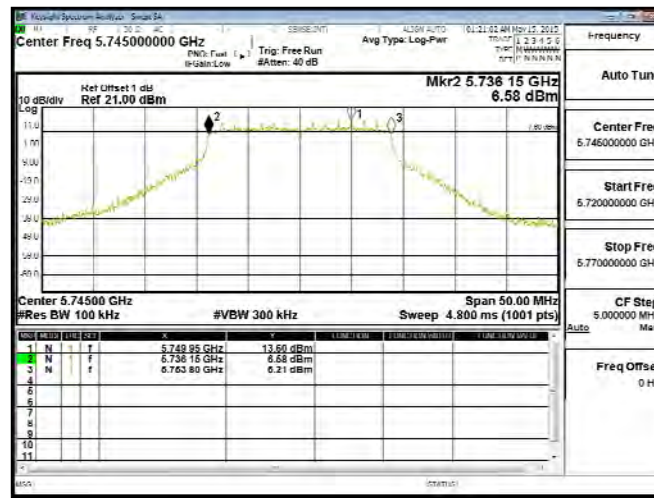
Figure Channel 165: (Chain B)



Product : 802.11 ac PCie Module
Test Item : Occupied Bandwidth Data
Test Site : No.3 OATS
Test Mode : Mode 10: Transmit - 802.11n-20BW_14.4Mbps(5G Band)(Omni Antenna)
(5745MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
149	5745	17400	>500	Pass

Figure Channel 149: (Chain A)



Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
149	5745	17000	>500	Pass

Figure Channel 149: (Chain B)



Product : 802.11 ac PCIe Module
 Test Item : Occupied Bandwidth Data
 Test Site : No.3 OATS
 Test Mode : Mode 10: Transmit - 802.11n-20BW_14.4Mbps(5G Band)(Omni Antenna)
 (5785MHz)

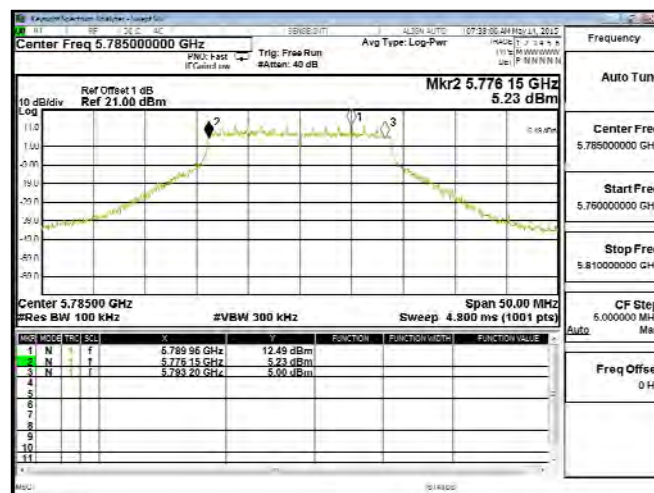
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
157	5785	17650	>500	Pass

Figure Channel 157: (Chain A)



Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
157	5785	16750	>500	Pass

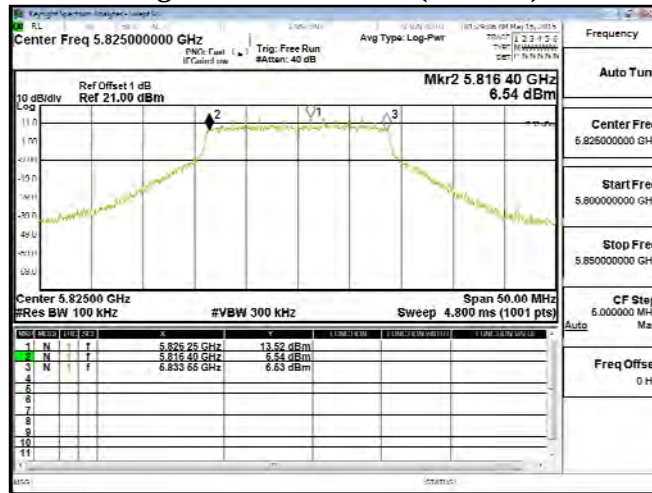
Figure Channel 157: (Chain B)



Product : 802.11 ac PCIe Module
Test Item : Occupied Bandwidth Data
Test Site : No.3 OATS
Test Mode : Mode 10: Transmit - 802.11n-20BW_14.4Mbps(5G Band)(Omni Antenna)
(5825MHz)

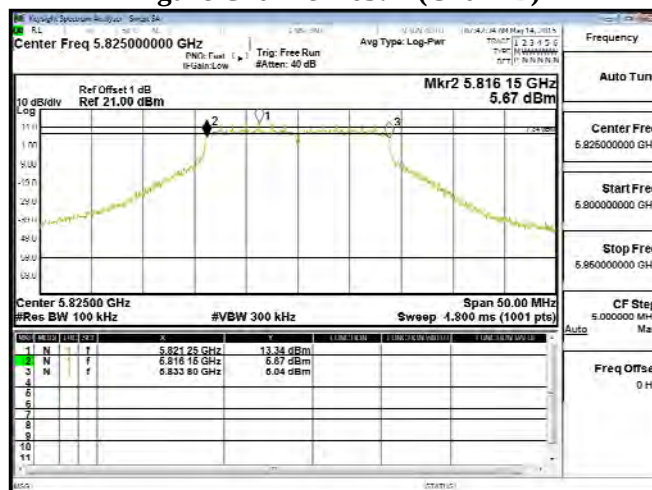
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
165	5825	17000	>500	Pass

Figure Channel 165: (Chain A)



Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
165	5825	17000	>500	Pass

Figure Channel 165: (Chain B)



Product : 802.11 ac PCIe Module
 Test Item : Occupied Bandwidth Data
 Test Site : No.3 OATS
 Test Mode : Mode 12: Transmit - 802.11ac-80BW_65Mbps(5G Band)(Omni Antenna)
 (5755MHz)

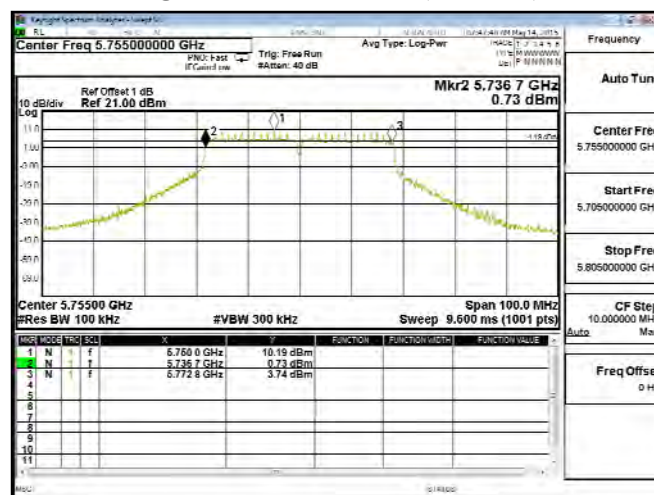
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
151	5755	35900	>500	Pass

Figure Channel 151: (Chain A)



Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
151	5755	35900	>500	Pass

Figure Channel 151: (Chain B)



Product : 802.11 ac PCIe Module
 Test Item : Occupied Bandwidth Data
 Test Site : No.3 OATS
 Test Mode : Mode 12: Transmit - 802.11ac-80BW_65Mbps(5G Band)(Omni Antenna)
 (5795MHz)

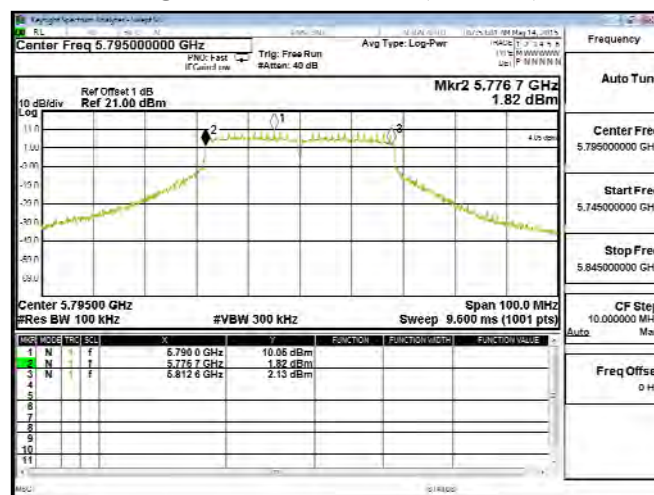
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
159	5795	35800	>500	Pass

Figure Channel 159: (Chain A)



Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
159	5795	35900	>500	Pass

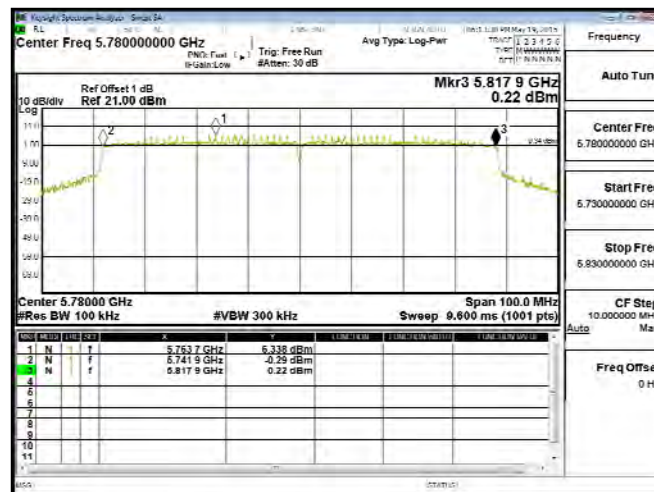
Figure Channel 159: (Chain B)



Product : 802.11 ac PCIe Module
Test Item : Occupied Bandwidth Data
Test Site : No.3 OATS
Test Mode : Mode 12: Transmit - 802.11ac-80BW_65Mbps(5G Band)(Omni Antenna)
(5780MHz)

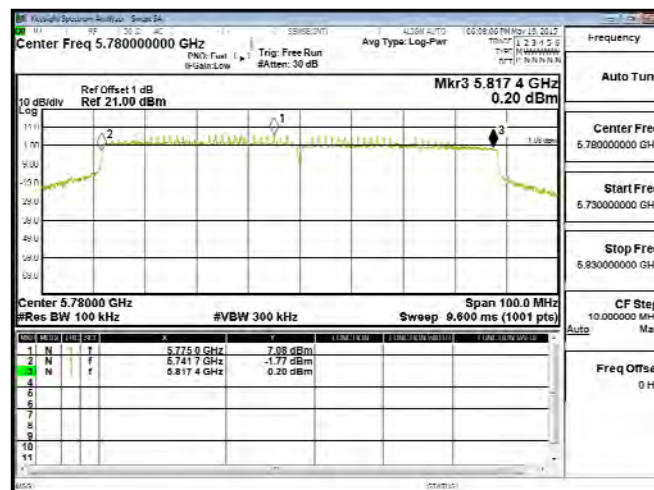
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
1	5780	76000	>500	Pass

Figure Channel 156: (Chain A)



Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
1	5780	75700	>500	Pass

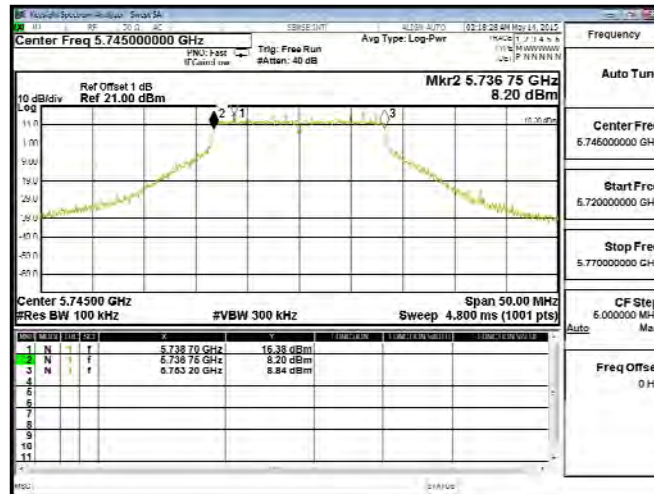
Figure Channel 156: (Chain B)



Product : 802.11 ac PCIe Module
Test Item : Occupied Bandwidth Data
Test Site : No.3 OATS
Test Mode : Mode 13: Transmit - 802.11a_6Mbps(Panel Antenna) (5745MHz)

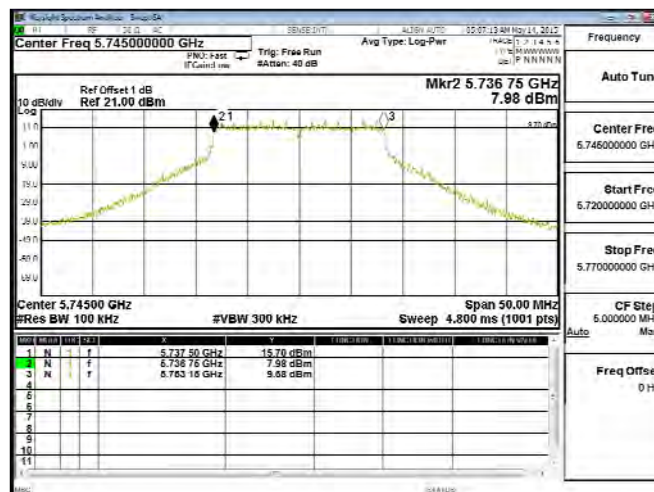
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
149	5745	16450	>500	Pass

Figure Channel 149: (Chain A)



Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
149	5745	16400	>500	Pass

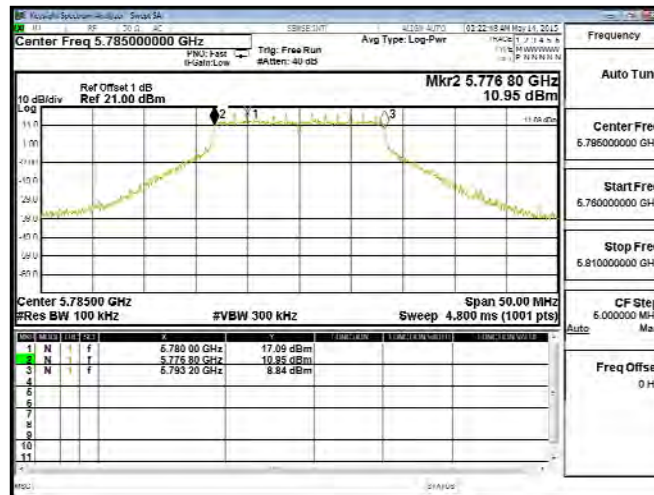
Figure Channel 149: (Chain B)



Product : 802.11 ac PCIe Module
 Test Item : Occupied Bandwidth Data
 Test Site : No.3 OATS
 Test Mode : Mode 13: Transmit - 802.11a_6Mbps(Panel Antenna) (5785MHz)

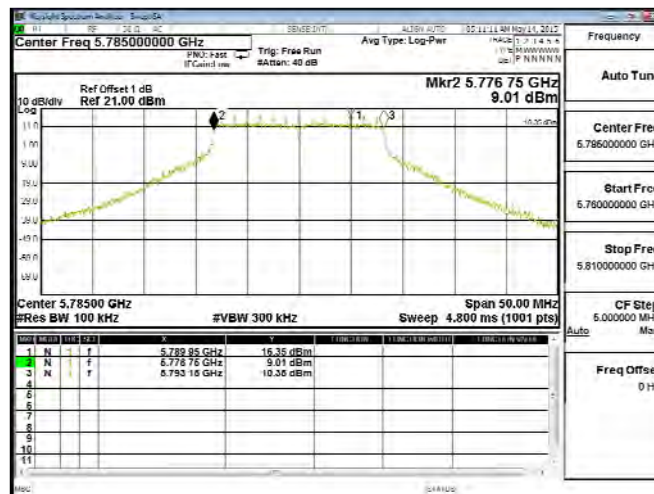
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
157	5785	16400	>500	Pass

Figure Channel 157: (Chain A)



Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
157	5785	16400	>500	Pass

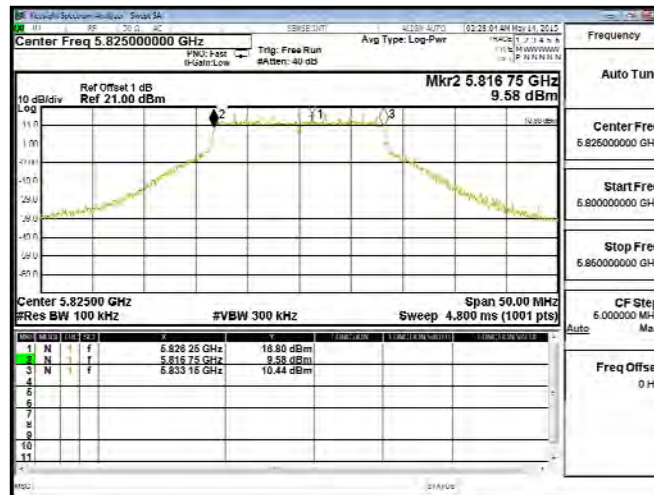
Figure Channel 157: (Chain B)



Product : 802.11 ac PCIe Module
Test Item : Occupied Bandwidth Data
Test Site : No.3 OATS
Test Mode : Mode 13: Transmit - 802.11a_6Mbps(Panel Antenna) (5825MHz)

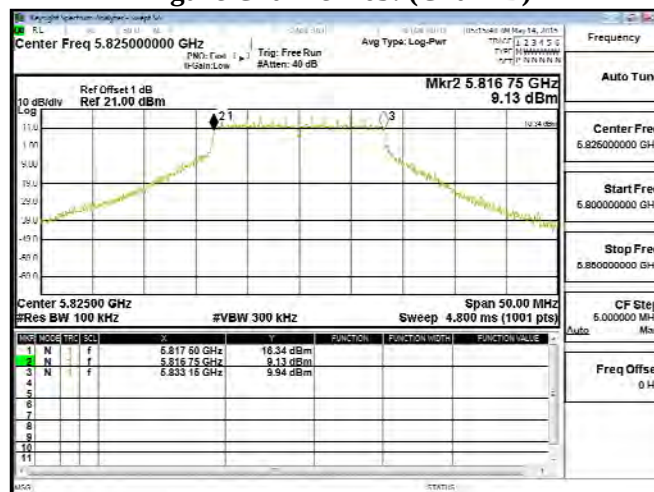
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
165	5825	16400	>500	Pass

Figure Channel 165: (Chain A)



Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
165	5825	16400	>500	Pass

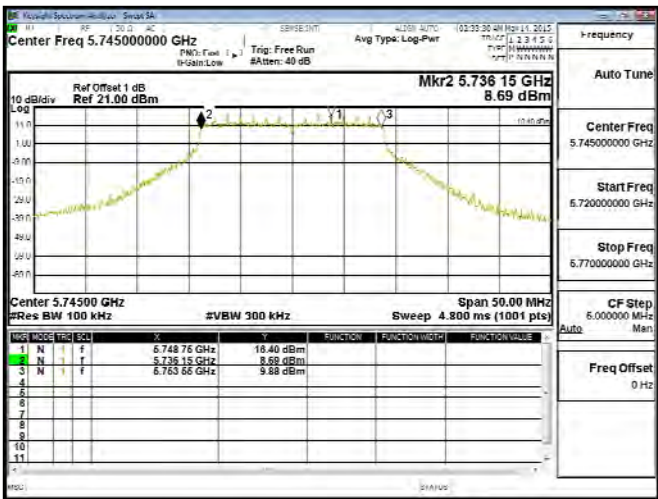
Figure Channel 165: (Chain B)



Product	:	802.11 ac PCIe Module
Test Item	:	Occupied Bandwidth Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 14: Transmit - 802.11n-20BW_14.4Mbps(5G Band)(Panel Antenna) (5745MHz)

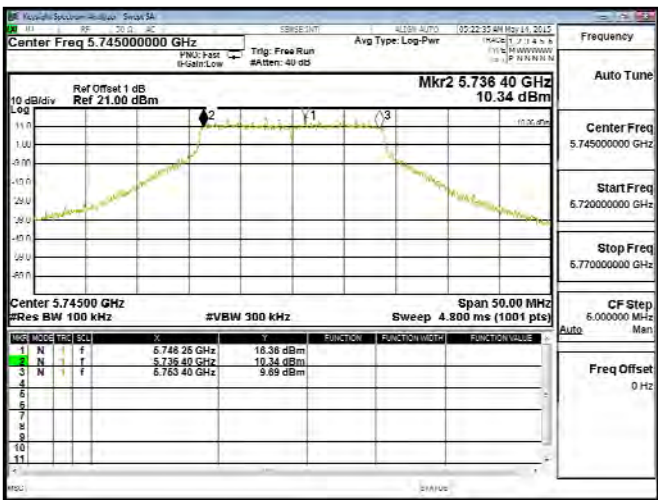
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
149	5745	17400	>500	Pass

Figure Channel 149: (Chain A)



Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
149	5745	17000	>500	Pass

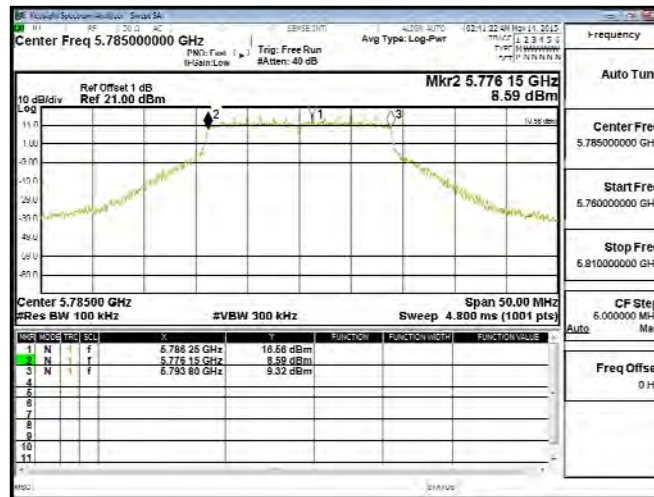
Figure Channel 149: (Chain B)



Product : 802.11 ac PCIe Module
Test Item : Occupied Bandwidth Data
Test Site : No.3 OATS
Test Mode : Mode 14: Transmit - 802.11n-20BW_14.4Mbps(5G Band)(Panel Antenna)
(5785MHz)

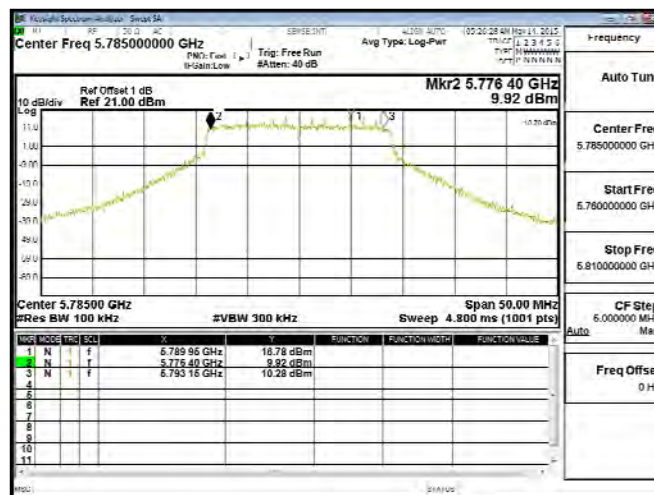
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
157	5785	17650	>500	Pass

Figure Channel 157: (Chain A)



Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
157	5785	16750	>500	Pass

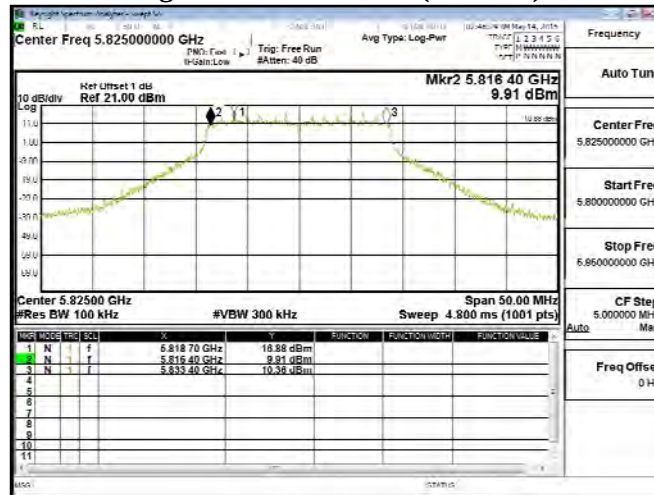
Figure Channel 157: (Chain B)



Product : 802.11 ac PCIe Module
Test Item : Occupied Bandwidth Data
Test Site : No.3 OATS
Test Mode : Mode 14: Transmit - 802.11n-20BW_14.4Mbps(5G Band)(Panel Antenna)
(5825MHz)

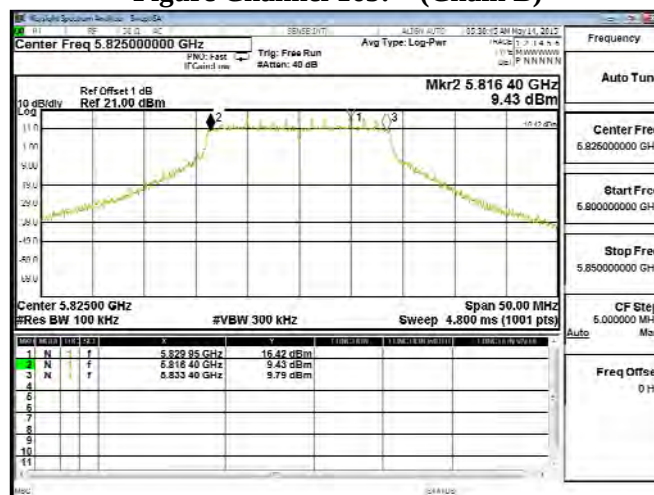
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
165	5825	17000	>500	Pass

Figure Channel 165: (Chain A)



Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
165	5825	17000	>500	Pass

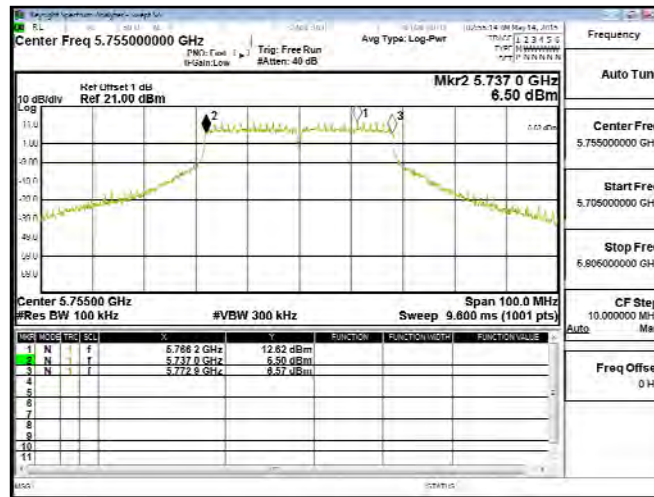
Figure Channel 165: (Chain B)



Product : 802.11 ac PCIe Module
Test Item : Occupied Bandwidth Data
Test Site : No.3 OATS
Test Mode : Mode 15: Transmit - 802.11n-40BW_30Mbps(5G Band)(Panel Antenna) (5755MHz)

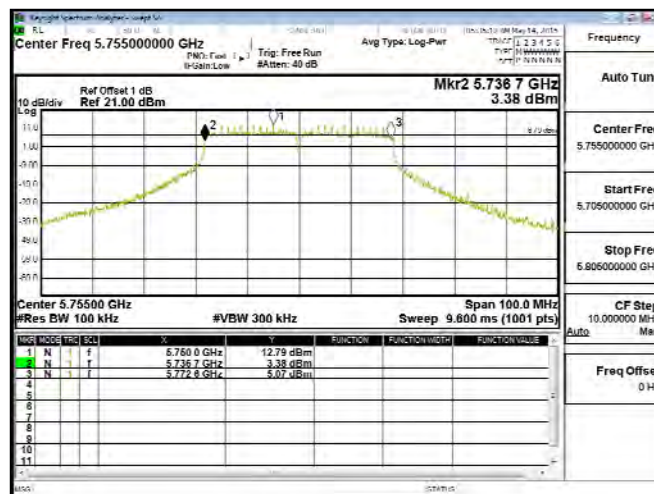
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
151	5755	35900	>500	Pass

Figure Channel 151: (Chain A)



Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
151	5755	35900	>500	Pass

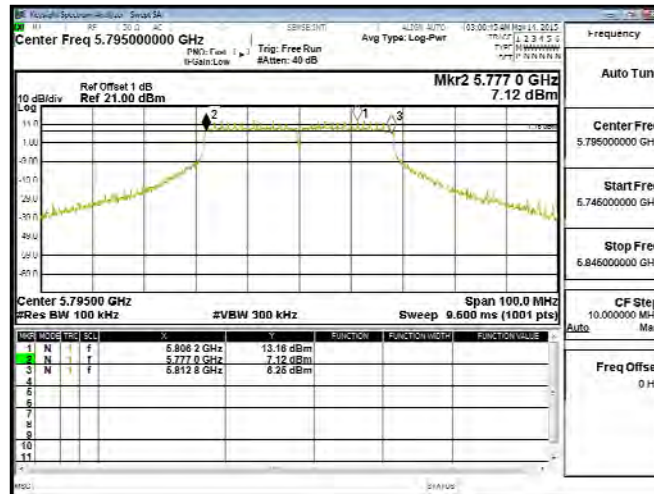
Figure Channel 151: (Chain B)



Product : 802.11 ac PCIe Module
Test Item : Occupied Bandwidth Data
Test Site : No.3 OATS
Test Mode : Mode 15: Transmit - 802.11n-40BW_30Mbps(5G Band)(Panel Antenna) (5795MHz)

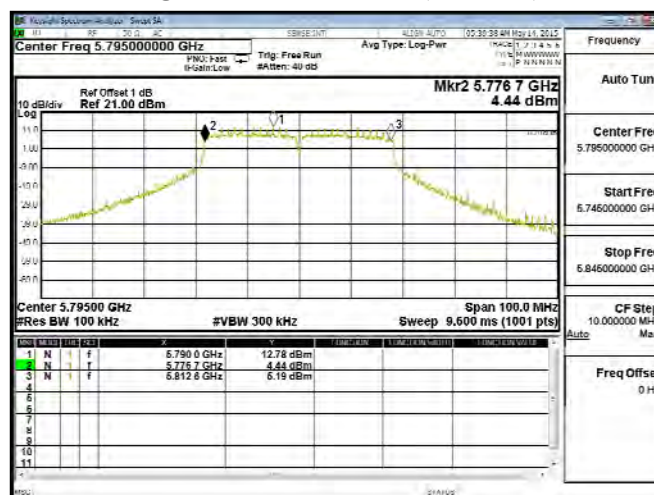
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
159	5795	35800	>500	Pass

Figure Channel 159: (Chain A)



Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
159	5795	35900	>500	Pass

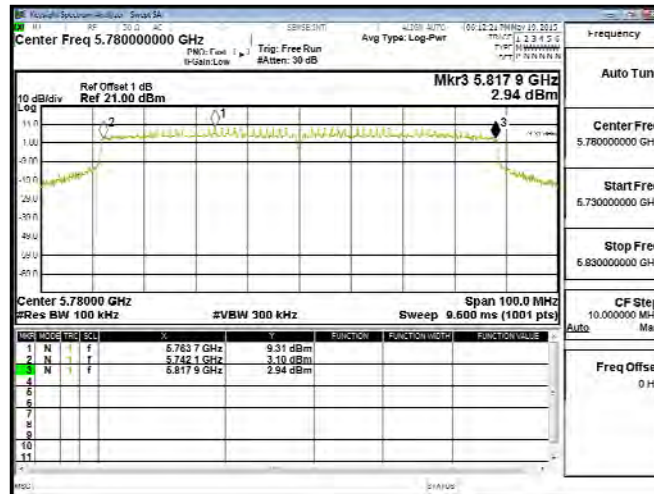
Figure Channel 159: (Chain B)



Product : 802.11 ac PCIe Module
Test Item : Occupied Bandwidth Data
Test Site : No.3 OATS
Test Mode : Mode 16: Transmit - 802.11ac-80BW_65Mbps(5G Band)(Panel Antenna) (5780MHz)

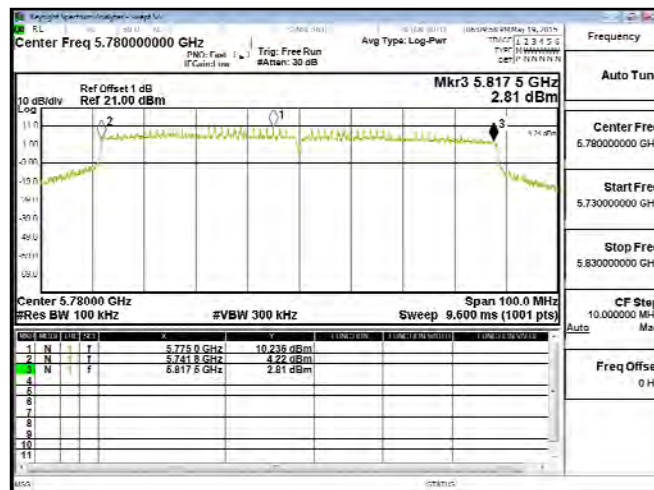
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
1	5780	75800	>500	Pass

Figure Channel 156: (Chain A)



Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
1	5780	75700	>500	Pass

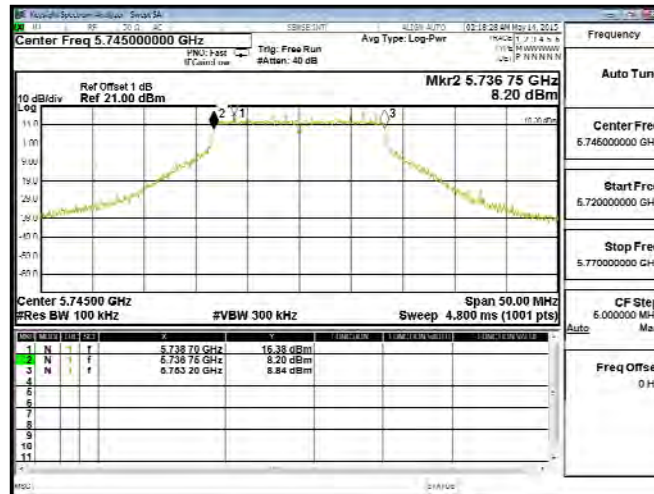
Figure Channel 156: (Chain B)



Product : 802.11 ac PCIe Module
Test Item : Occupied Bandwidth Data
Test Site : No.3 OATS
Test Mode : Mode 17: Transmit - 802.11a_6Mbps(Sector Antenna) (5745MHz)

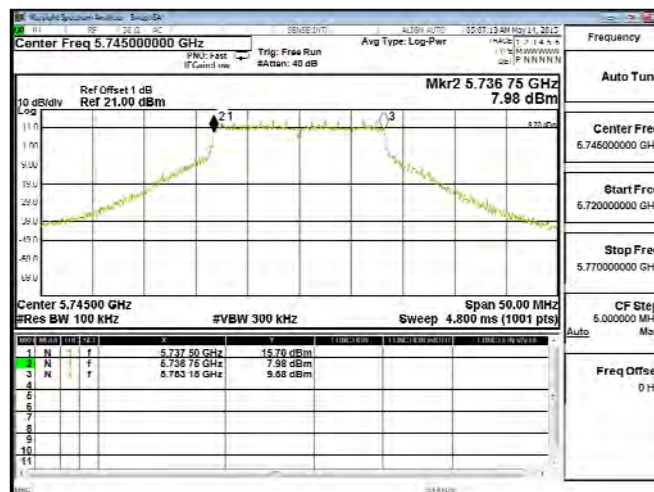
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
149	5745	16450	>500	Pass

Figure Channel 149: (Chain A)



Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
149	5745	16400	>500	Pass

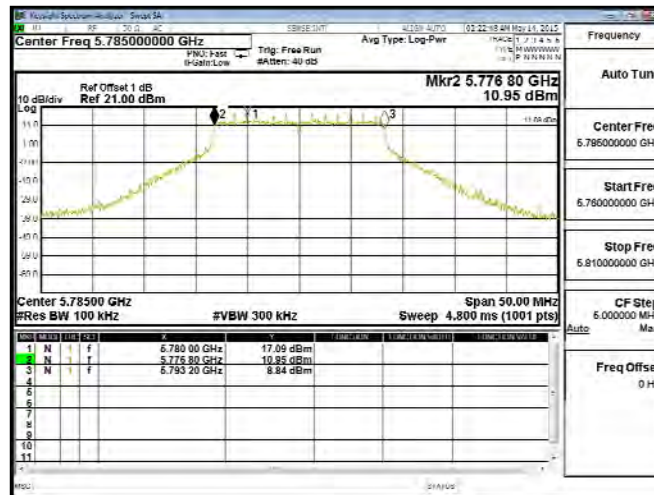
Figure Channel 149: (Chain B)



Product : 802.11 ac PCIe Module
 Test Item : Occupied Bandwidth Data
 Test Site : No.3 OATS
 Test Mode : Mode 17: Transmit - 802.11a_6Mbps(Sector Antenna) (5785MHz)

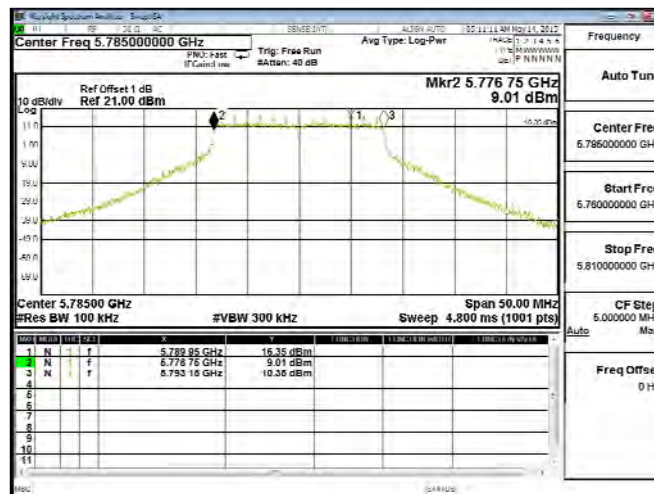
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
157	5785	16400	>500	Pass

Figure Channel 157: (Chain A)



Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
157	5785	16400	>500	Pass

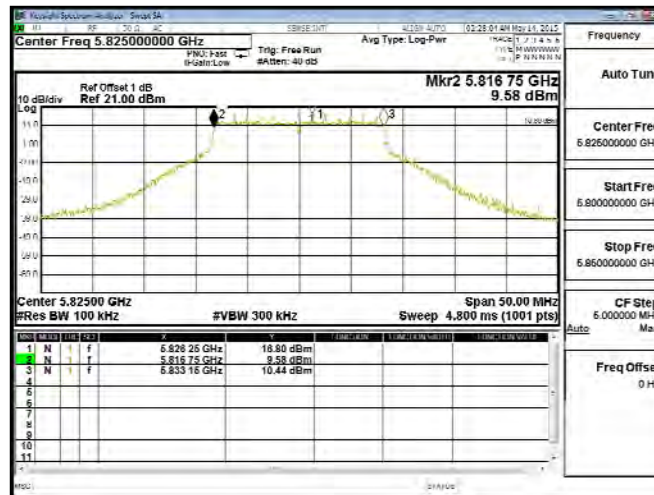
Figure Channel 157: (Chain B)



Product : 802.11 ac PCIe Module
Test Item : Occupied Bandwidth Data
Test Site : No.3 OATS
Test Mode : Mode 17: Transmit - 802.11a_6Mbps(Sector Antenna) (5825MHz)

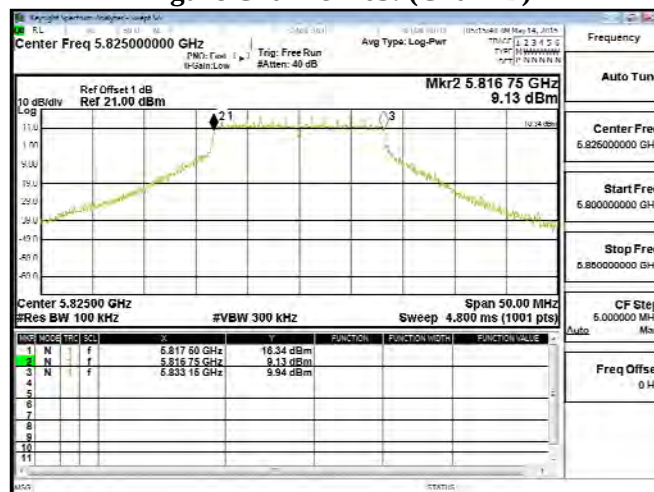
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
165	5825	16400	>500	Pass

Figure Channel 165: (Chain A)



Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
165	5825	16400	>500	Pass

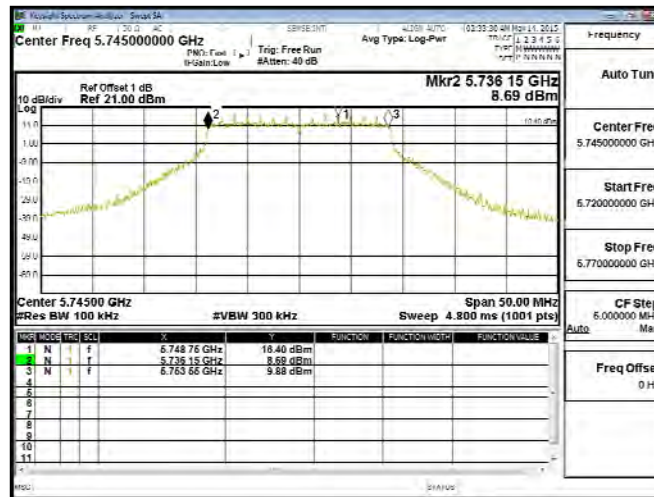
Figure Channel 165: (Chain B)



Product : 802.11 ac PCIe Module
Test Item : Occupied Bandwidth Data
Test Site : No.3 OATS
Test Mode : Mode 18: Transmit - 802.11n-20BW_14.4Mbps(5G Band)(Sector Antenna)
(5745MHz)

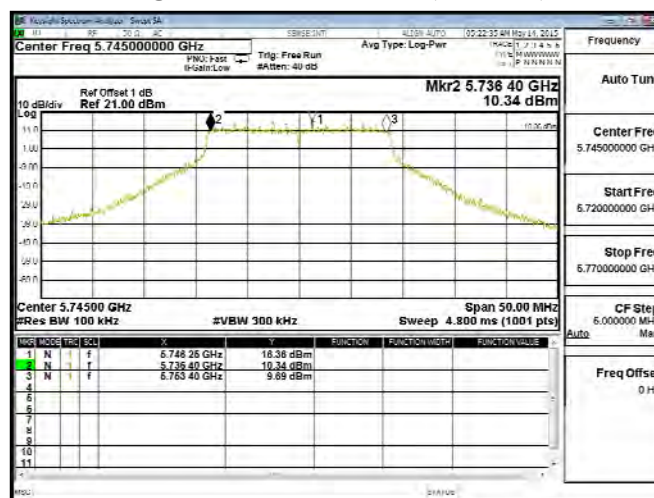
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
149	5745	17400	>500	Pass

Figure Channel 149: (Chain A)



Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
149	5745	17000	>500	Pass

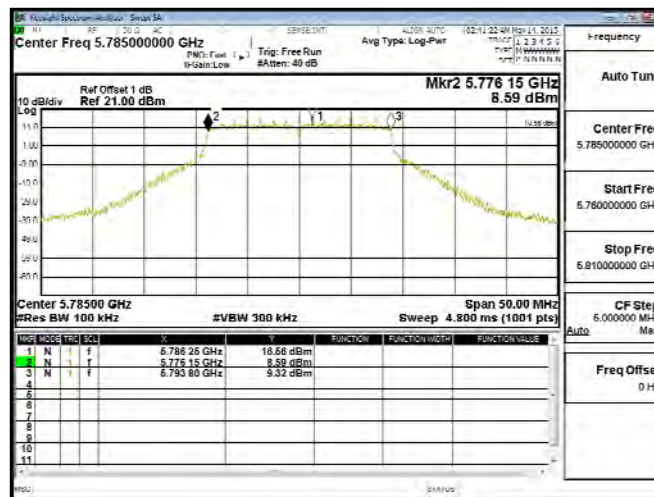
Figure Channel 149: (Chain B)



Product : 802.11 ac PCIe Module
Test Item : Occupied Bandwidth Data
Test Site : No.3 OATS
Test Mode : Mode 18: Transmit - 802.11n-20BW_14.4Mbps(5G Band)(Sector Antenna)
(5785MHz)

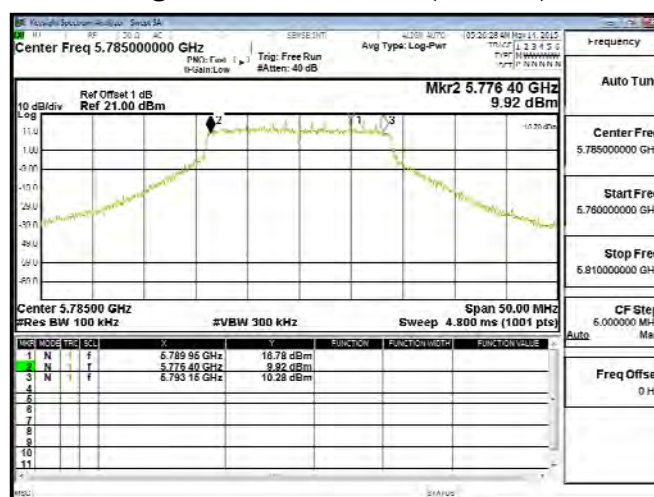
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
157	5785	17650	>500	Pass

Figure Channel 157: (Chain A)



Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
157	5785	16750	>500	Pass

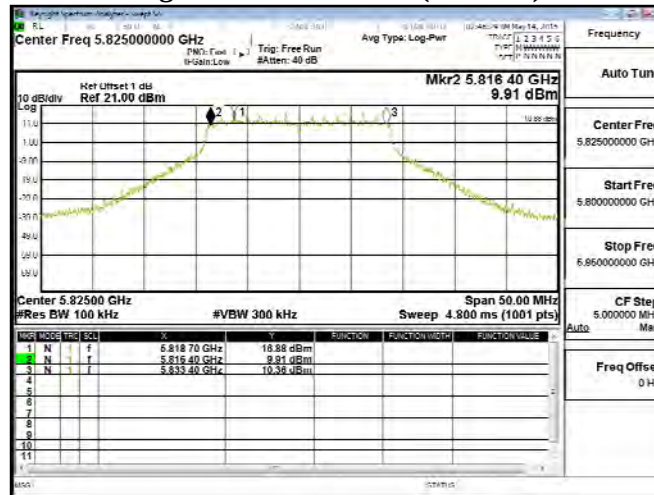
Figure Channel 157: (Chain B)



Product : 802.11 ac PCIe Module
Test Item : Occupied Bandwidth Data
Test Site : No.3 OATS
Test Mode : Mode 18: Transmit - 802.11n-20BW_14.4Mbps(5G Band)(Sector Antenna)
(5825MHz)

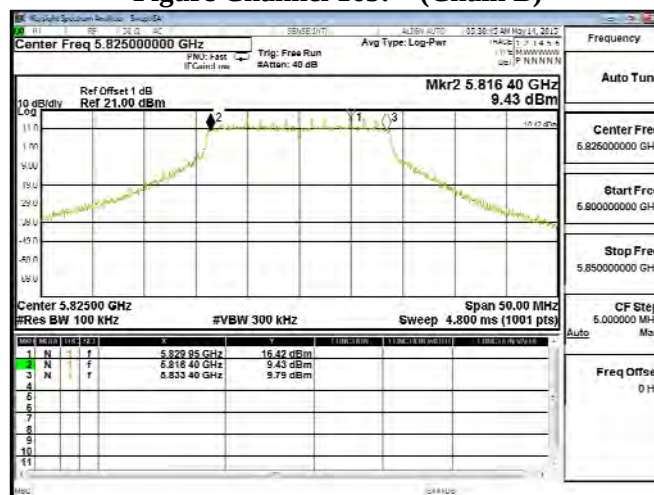
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
165	5825	17000	>500	Pass

Figure Channel 165: (Chain A)



Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
165	5825	17000	>500	Pass

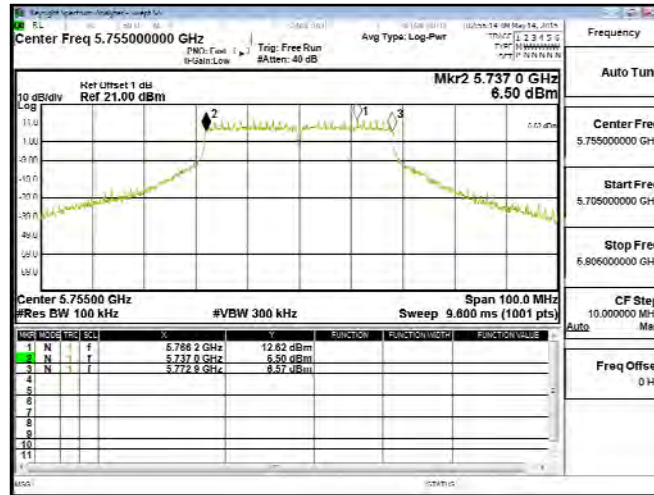
Figure Channel 165: (Chain B)



Product : 802.11 ac PCIe Module
Test Item : Occupied Bandwidth Data
Test Site : No.3 OATS
Test Mode : Mode 19: Transmit - 802.11n-40BW_30Mbps(5G Band)(Sector Antenna) (5755MHz)

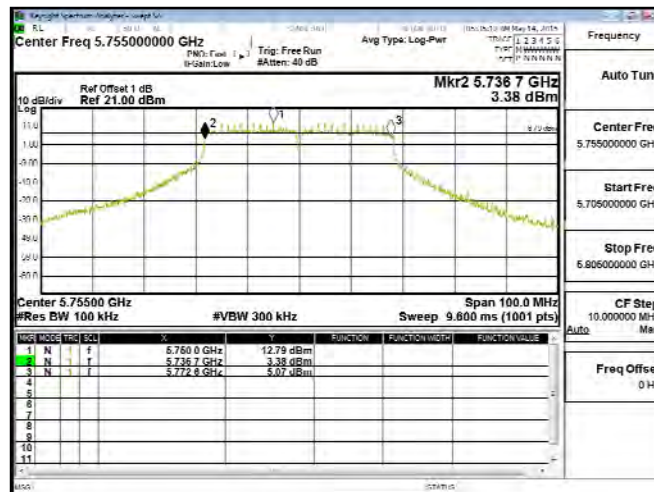
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
151	5755	35900	>500	Pass

Figure Channel 151: (Chain A)



Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
151	5755	35900	>500	Pass

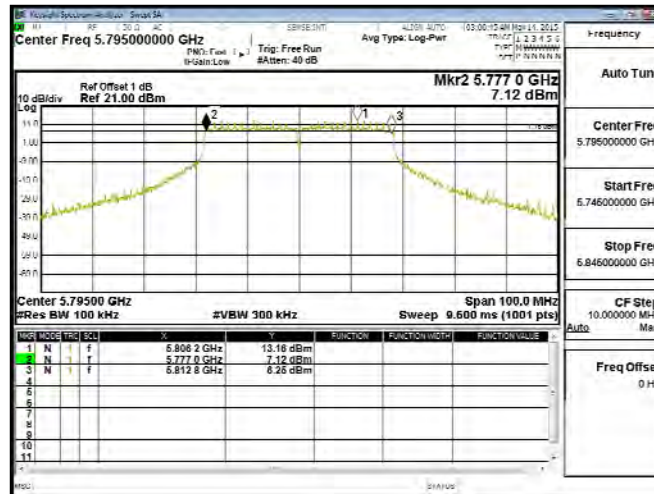
Figure Channel 151: (Chain B)



Product : 802.11 ac PCIe Module
Test Item : Occupied Bandwidth Data
Test Site : No.3 OATS
Test Mode : Mode 19: Transmit - 802.11n-40BW_30Mbps(5G Band)(Sector Antenna) (5795MHz)

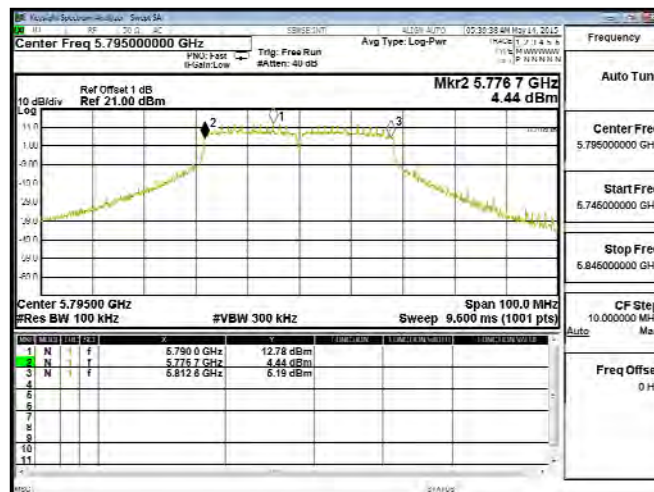
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
159	5795	35800	>500	Pass

Figure Channel 159: (Chain A)



Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
159	5795	35900	>500	Pass

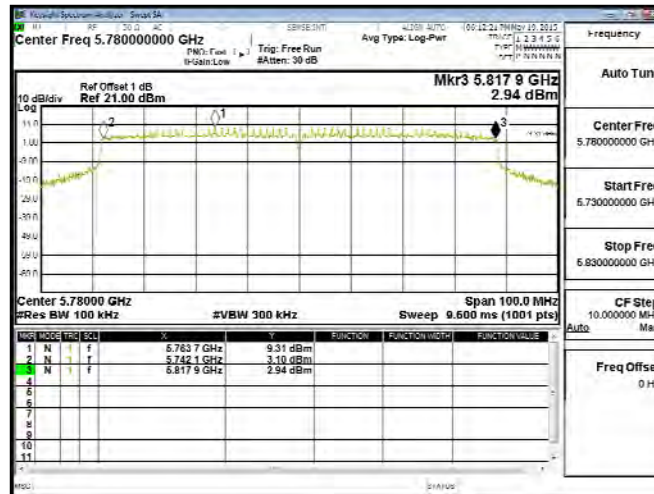
Figure Channel 159: (Chain B)



Product : 802.11 ac PCIe Module
 Test Item : Occupied Bandwidth Data
 Test Site : No.3 OATS
 Test Mode : Mode 20: Transmit - 802.11ac-80BW_65Mbps(5G Band)(Sector Antenna) (5780MHz)

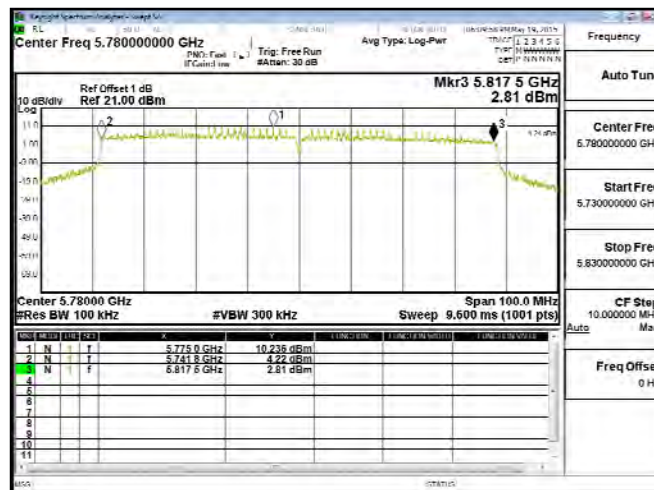
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
1	5780	75800	>500	Pass

Figure Channel 156: (Chain A)



Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
1	5780	75700	>500	Pass

Figure Channel 156: (Chain B)



8. Power Density

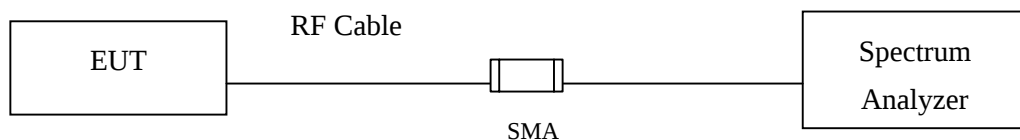
8.1. Test Equipment

	Equipment	Manufacturer	Model No./Serial No.	Last Cal.
	Spectrum Analyzer	R&S	FSP40 / 100170	Jun, 2014
	Spectrum Analyzer	Agilent	E4407B / US39440758	Jun, 2014
X	Spectrum Analyzer	Agilent	N9010A / MY48030495	Apr., 2015

Note:

1. All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.
2. The test instruments marked with “X” are used to measure the final test results.

8.2. Test Setup



8.3. Limits

The transmitted power density averaged over any 1 second interval shall not be greater +8dBm in any 3kHz bandwidth.

8.4. Test Procedure

The EUT was setup according to ANSI C63.10, 2013; tested according to DTS test procedure of KDB 558074 for compliance to FCC 47CFR 15.247 requirements.

The maximum power spectral density using KDB 558074 section 10.2 PKPSD (peak PSD) method.

8.5. Uncertainty

± 1.27 dB

8.6. Test Result of Power Density

Product : 802.11 ac PCIe Module
Test Item : Power Density Data
Test Site : No.3 OATS
Test Mode : Mode 1: Transmit - 802.11a_6Mbps(Dipole Antenna) (5745MHz)

CHAIN	PPSD/MHz (dBm)	Total PPSD/MHz (dBm) ¹	Limit	Result
A	1.133	4.143	< 8dBm	Pass
B	1.029	4.039	< 8dBm	Pass

Note 1: The quantity $10 \cdot \log 2$ (two antennas) is added to the spectrum peak value according to document 662911 D01.

Figure Channel 149: (Chain A)

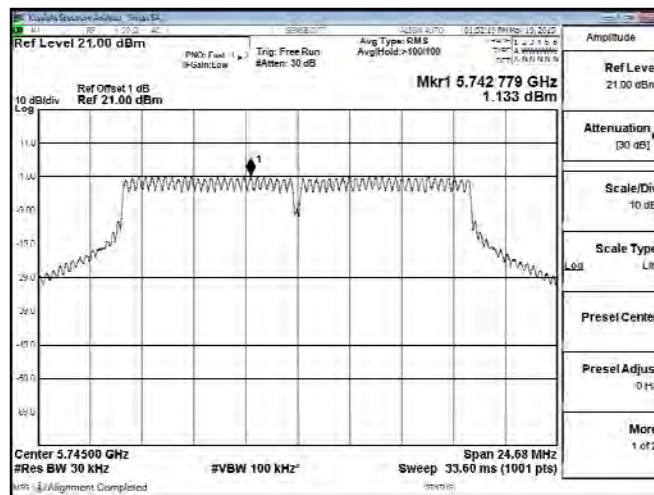
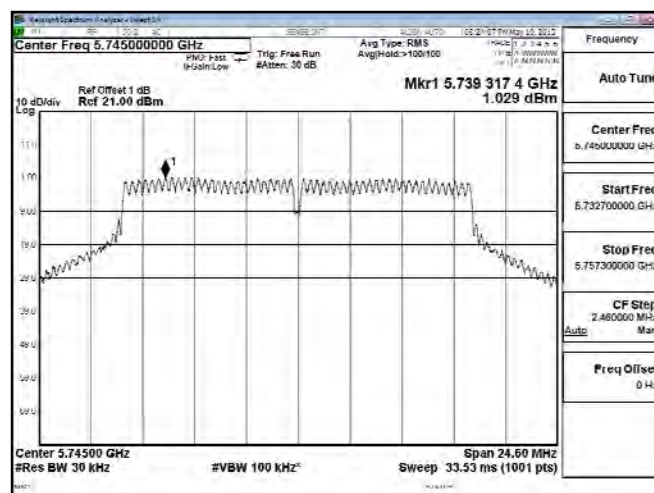


Figure Channel 149: (Chain B)



Product : 802.11 ac PCIe Module
Test Item : Power Density Data
Test Site : No.3 OATS
Test Mode : Mode 1: Transmit - 802.11a_6Mbps(Dipole Antenna) (5785MHz)

CHAIN	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)1	Limit	Result
A	1.888	4.898	< 8dBm	Pass
B	0.592	3.602	< 8dBm	Pass

Note 1: The quantity $10 \cdot \log 2$ (two antennas) is added to the spectrum peak value according to document 662911 D01.

Figure Channel 157: (Chain A)

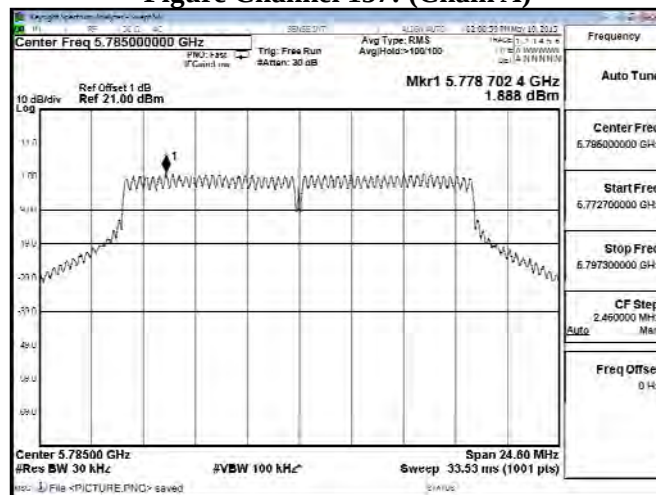
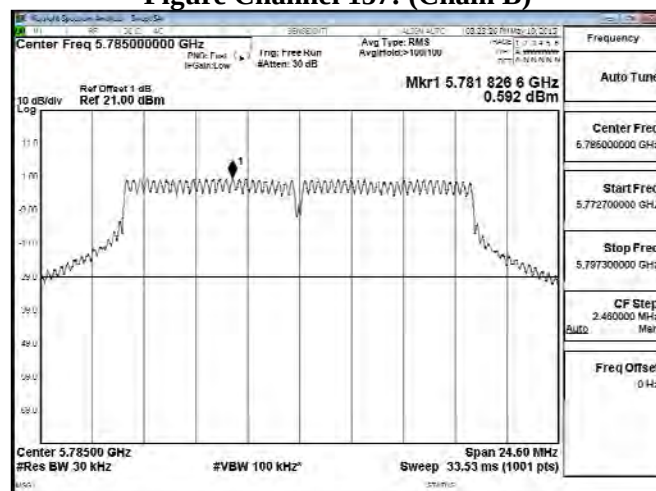


Figure Channel 157: (Chain B)



Product : 802.11 ac PCIe Module
Test Item : Power Density Data
Test Site : No.3 OATS
Test Mode : Mode 1: Transmit - 802.11a_6Mbps(Dipole Antenna) (5825MHz)

CHAIN	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)1	Limit	Result
A	1.170	4.180	< 8dBm	Pass
B	0.622	3.632	< 8dBm	Pass

Note 1: The quantity $10 \cdot \log 2$ (two antennas) is added to the spectrum peak value according to document 662911 D01.

Figure Channel 165: (Chain A)

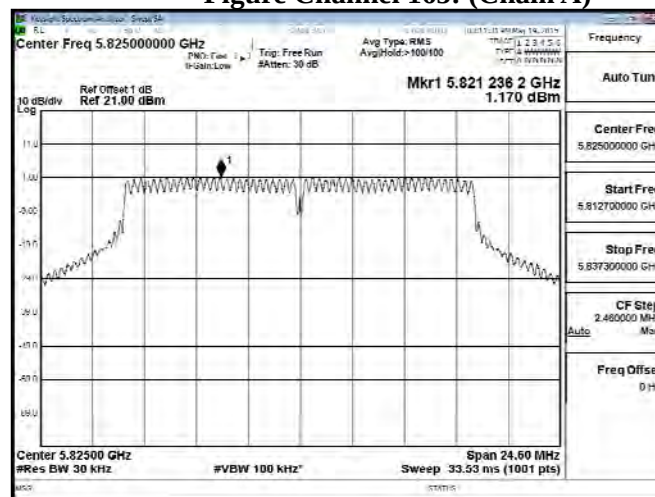
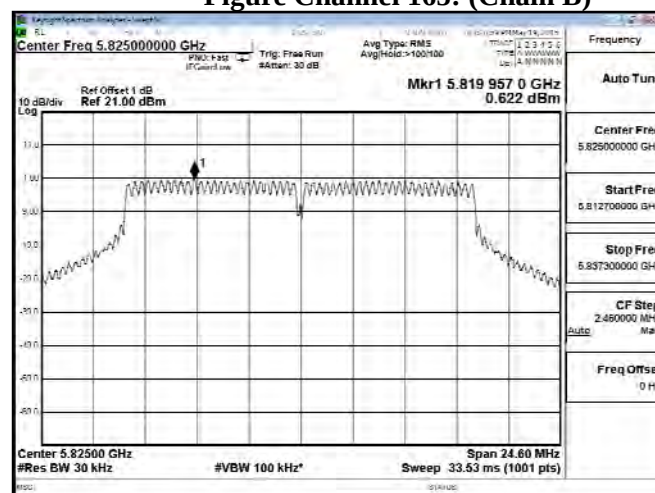


Figure Channel 165: (Chain B)



Product : 802.11 ac PCIe Module
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit - 802.11n-20BW_14.4Mbps(5G Band)(Dipole Antenna)
 (5745MHz)

CHAIN	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)1	Limit	Result
A	0.594	3.604	< 8dBm	Pass
B	0.511	3.521	< 8dBm	Pass

Note 1: The quantity $10 \cdot \log 2$ (two antennas) is added to the spectrum peak value according to document 662911 D01.

Figure Channel 149: (Chain A)

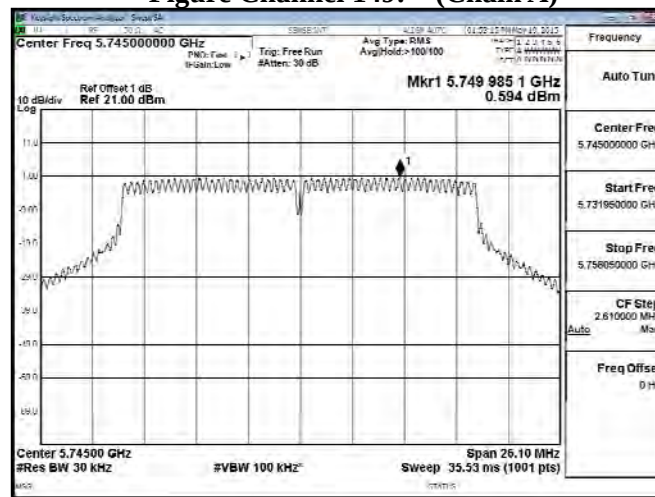
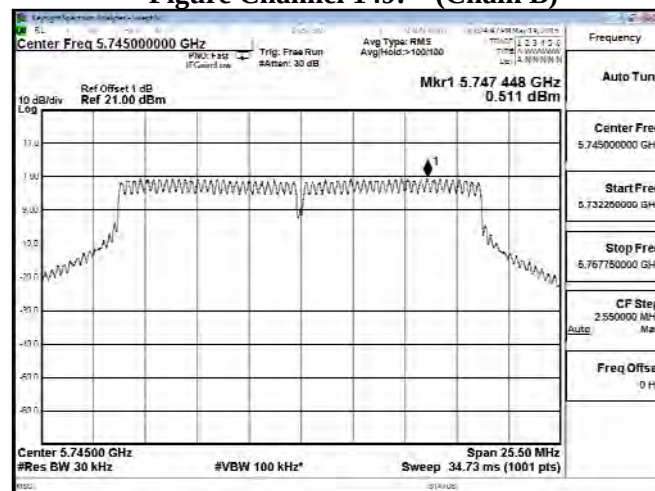


Figure Channel 149: (Chain B)



Product : 802.11 ac PCIe Module
Test Item : Power Density Data
Test Site : No.3OATS
Test Mode : Mode 2: Transmit - 802.11n-20BW_14.4Mbps(5G Band)(Dipole Antenna)
(5785MHz)

CHAIN	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)1	Limit	Result
A	0.150	3.160	< 8dBm	Pass
B	-0.037	2.973	< 8dBm	Pass

Note 1: The quantity $10 \cdot \log 2$ (two antennas) is added to the spectrum peak value according to document 662911 D01.

Figure Channel 157: (Chain A)

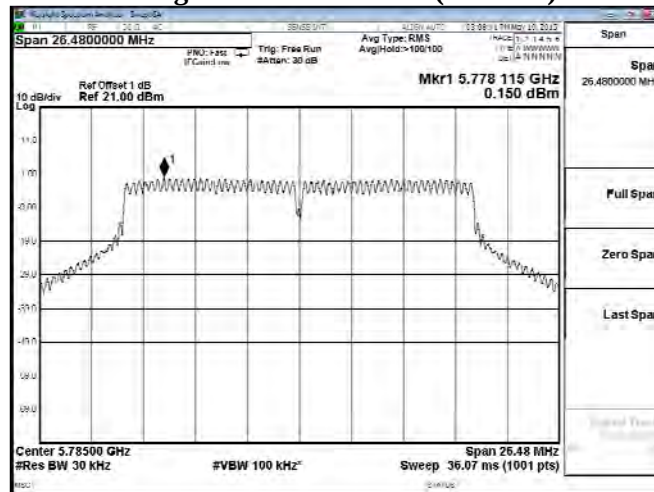
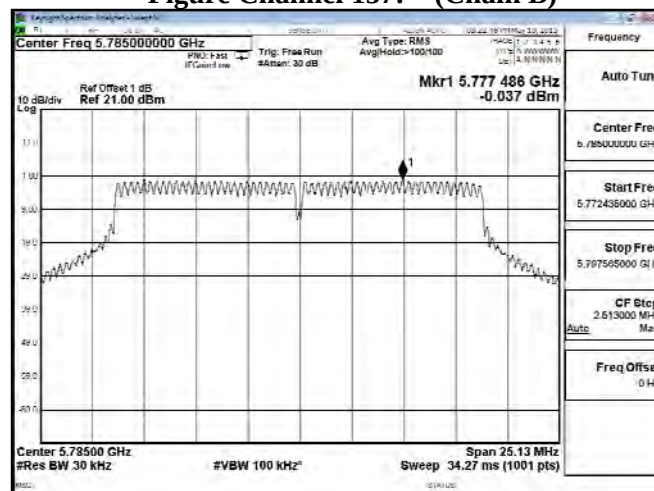


Figure Channel 157: (Chain B)



Product : 802.11 ac PCIe Module
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit - 802.11n-20BW_14.4Mbps(5G Band)(Dipole Antenna)
 (5825MHz)

CHAIN	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)1	Limit	Result
A	1.421	4.431	< 8dBm	Pass
B	0.433	3.443	< 8dBm	Pass

Note 1: The quantity $10 \cdot \log 2$ (two antennas) is added to the spectrum peak value according to document 662911 D01.

Figure Channel 165: (Chain A)

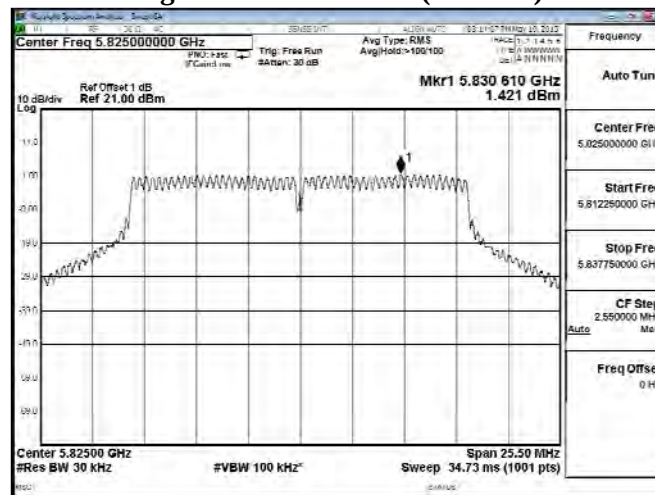
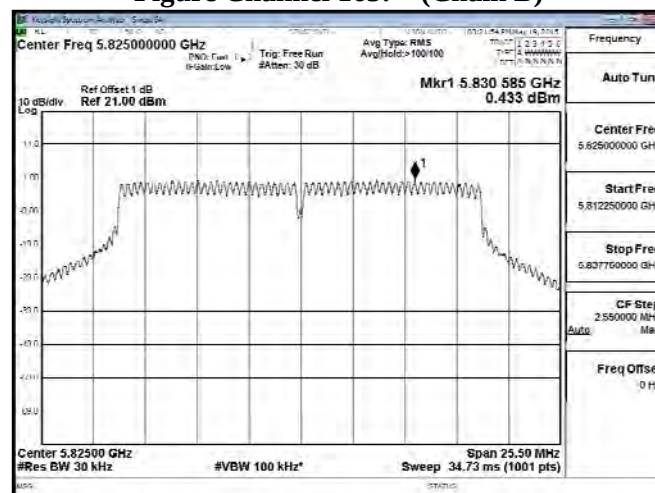


Figure Channel 165: (Chain B)



Product : 802.11 ac PCIe Module
Test Item : Power Density Data
Test Site : No.3 OATS
Test Mode : Mode 3: Transmit - 802.11n-40BW_30Mbps(5G Band)(Dipole Antenna) (5755MHz)

CHAIN	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)1	Limit	Result
A	-2.629	0.381	< 8dBm	Pass
B	-3.016	-0.006	< 8dBm	Pass

Note 1: The quantity $10 \cdot \log 2$ (two antennas) is added to the spectrum peak value according to document 662911 D01.

Figure Channel 151: (Chain A)

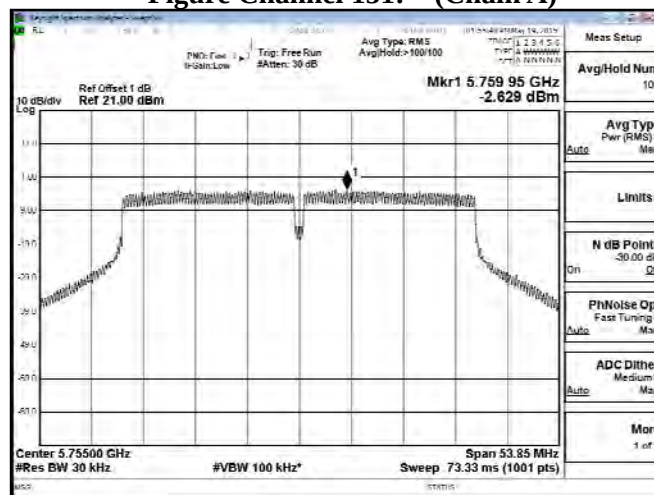
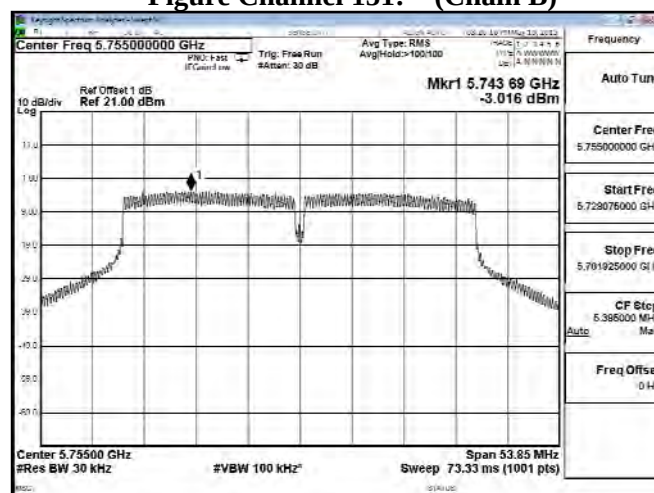


Figure Channel 151: (Chain B)



Product : 802.11 ac PCIe Module
Test Item : Power Density Data
Test Site : No.3OATS
Test Mode : Mode 3: Transmit - 802.11n-40BW_30Mbps(5G Band)(Dipole Antenna) (5795MHz)

CHAIN	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)1	Limit	Result
A	-1.728	1.282	< 8dBm	Pass
B	-2.237	0.773	< 8dBm	Pass

Note 1: The quantity $10 \cdot \log 2$ (two antennas) is added to the spectrum peak value according to document 662911 D01.

Figure Channel 159: (Chain A)

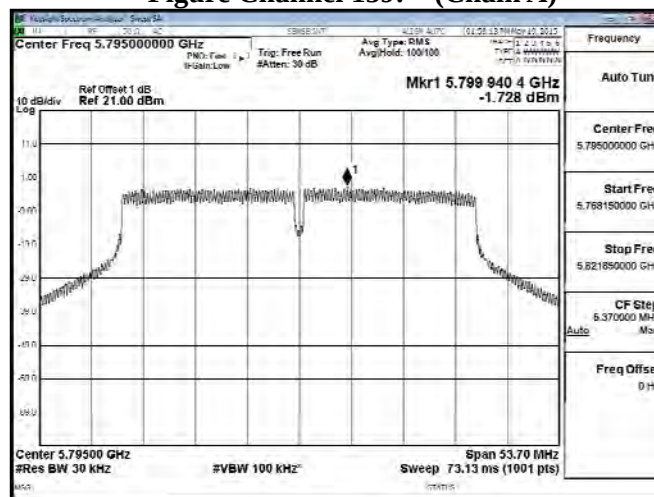
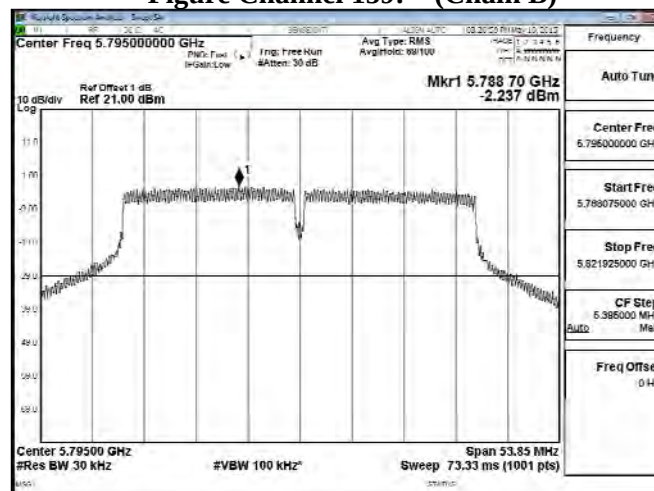


Figure Channel 159: (Chain B)



Product : 802.11 ac PCIe Module
Test Item : Power Density Data
Test Site : No.3OATS
Test Mode : Mode 4: Transmit - 802.11ac-80BW_65Mbps(5G Band)(Dipole Antenna)
(5780MHz)

CHAIN	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)1	Limit	Result
A	-0.513	2.497	< 8dBm	Pass
B	0.028	3.038	< 8dBm	Pass

Note 1: The quantity $10 \cdot \log 2$ (two antennas) is added to the spectrum peak value according to document 662911 D01.

Figure Channel 156: (Chain A)

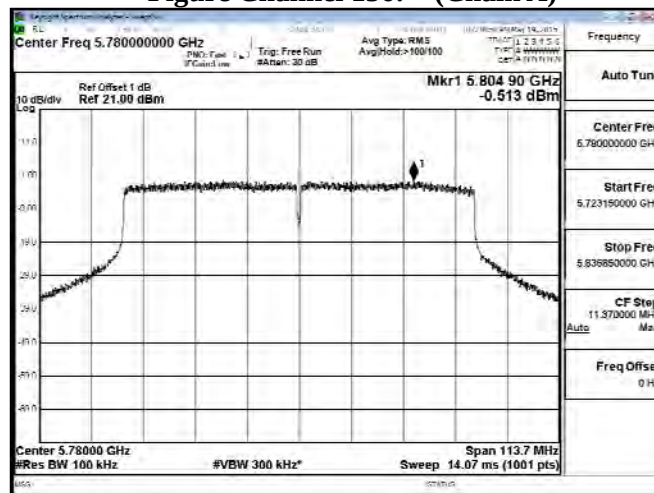
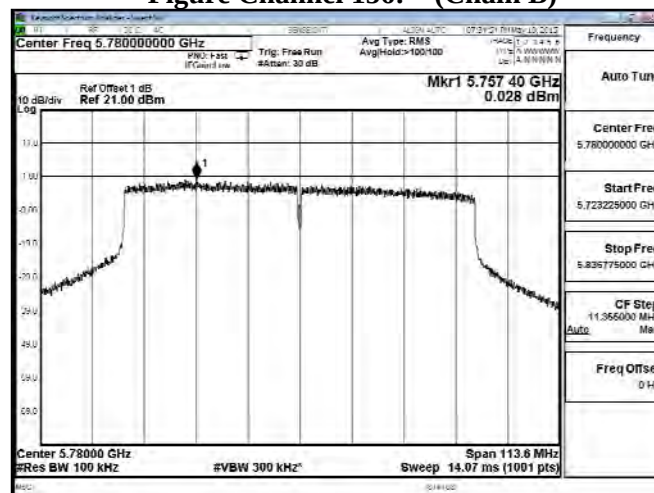


Figure Channel 156: (Chain B)



Product : 802.11 ac PCIe Module
Test Item : Power Density Data
Test Site : No.3 OATS
Test Mode : Mode 5: Transmit - 802.11a_6Mbps(Grid DISH Antenna) (5745MHz)

CHAIN	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)1	Limit	Result
A	-3.870	-0.860	< 8dBm	Pass
B	-3.400	-0.390	< 8dBm	Pass

Note 1: The quantity $10 \cdot \log 2$ (two antennas) is added to the spectrum peak value according to document 662911 D01.

Figure Channel 149: (Chain A)

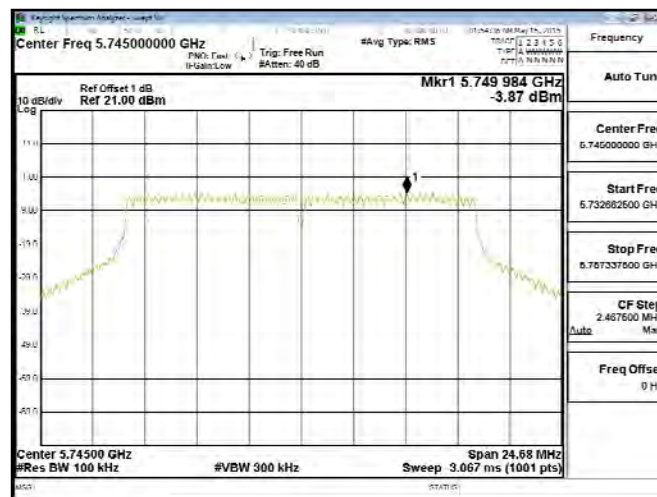
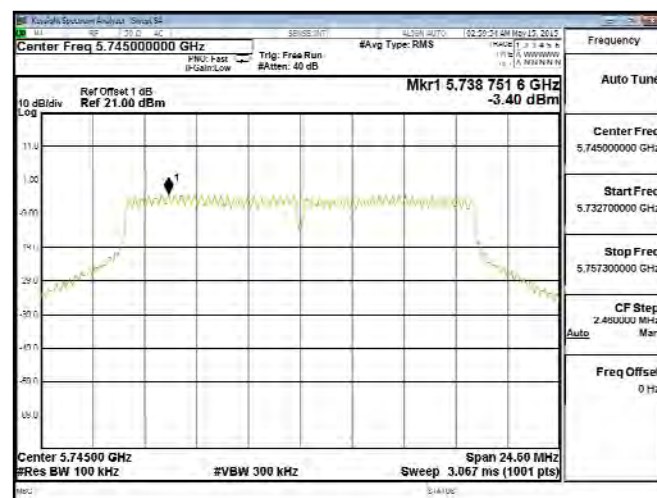


Figure Channel 149: (Chain B)



Product : 802.11 ac PCIe Module
Test Item : Power Density Data
Test Site : No.3 OATS
Test Mode : Mode 5: Transmit - 802.11a_6Mbps(Grid DISH Antenna) (5785MHz)

CHAIN	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)1	Limit	Result
A	-4.910	-1.900	< 8dBm	Pass
B	-4.550	-1.540	< 8dBm	Pass

Note 1: The quantity $10 \cdot \log 2$ (two antennas) is added to the spectrum peak value according to document 662911 D01.

Figure Channel 157: (Chain A)

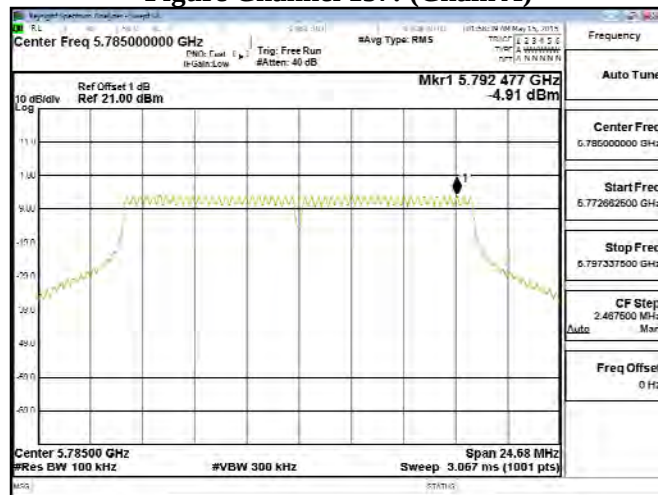
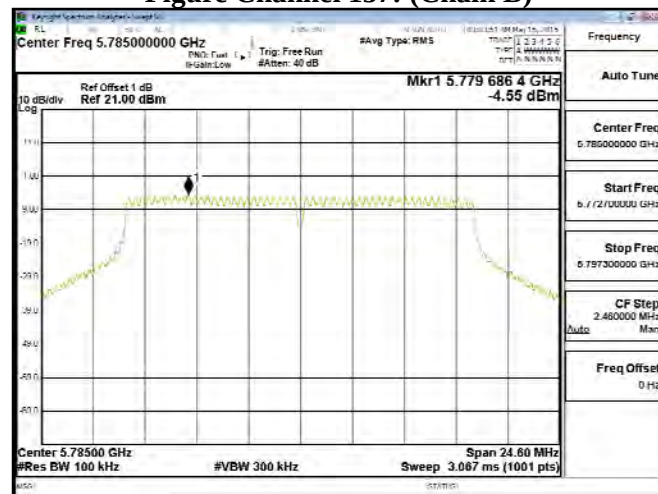


Figure Channel 157: (Chain B)



Product : 802.11 ac PCIe Module
Test Item : Power Density Data
Test Site : No.3 OATS
Test Mode : Mode 5: Transmit - 802.11a_6Mbps(Grid DISH Antenna) (5825MHz)

CHAIN	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)1	Limit	Result
A	-0.930	2.080	< 8dBm	Pass
B	-0.480	2.530	< 8dBm	Pass

Note 1: The quantity $10 \cdot \log 2$ (two antennas) is added to the spectrum peak value according to document 662911 D01.

Figure Channel 165: (Chain A)

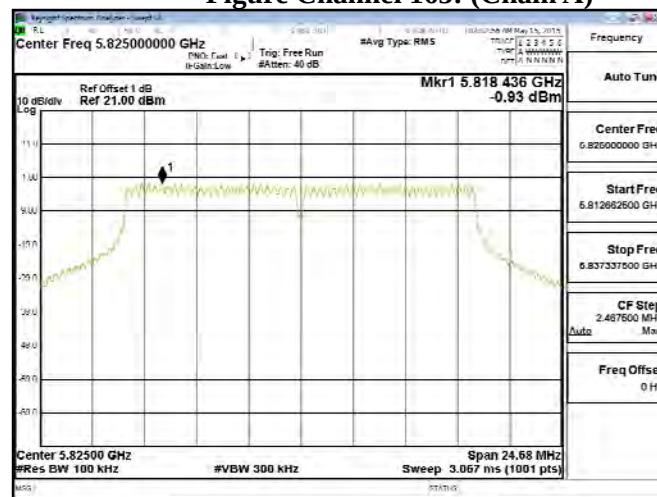
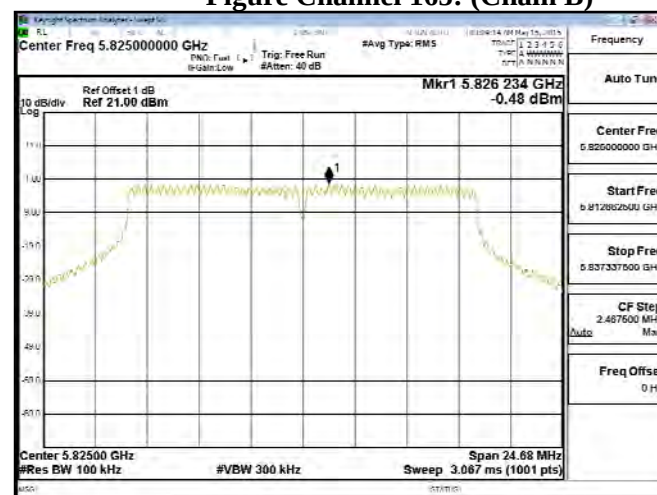


Figure Channel 165: (Chain B)



Product : 802.11 ac PCIe Module
Test Item : Power Density Data
Test Site : No.3 OATS
Test Mode : Mode 6: Transmit - 802.11n-20BW_14.4Mbps(5G Band)(Grid DISH Antenna)
(5745MHz)

CHAIN	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)1	Limit	Result
A	-4.590	-1.580	< 8dBm	Pass
B	-3.970	-0.960	< 8dBm	Pass

Note 1: The quantity $10 \cdot \log 2$ (two antennas) is added to the spectrum peak value according to document 662911 D01.

Figure Channel 149: (Chain A)

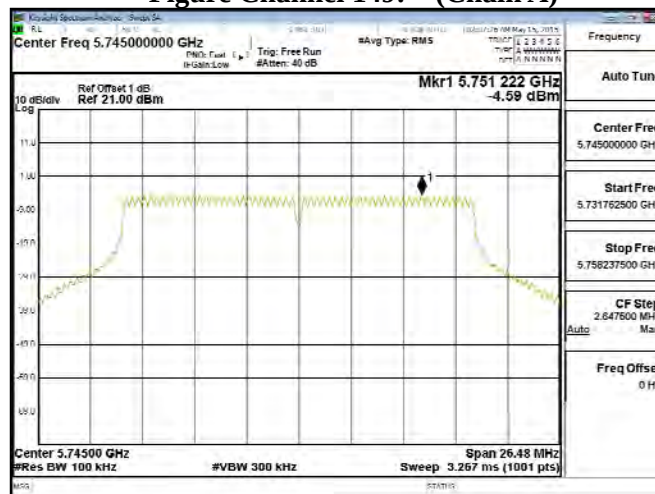
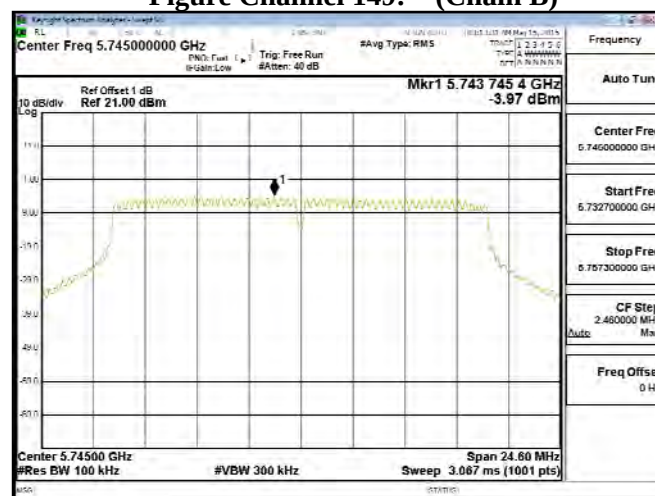


Figure Channel 149: (Chain B)



Product : 802.11 ac PCIe Module
Test Item : Power Density Data
Test Site : No.3OATS
Test Mode : Mode 6: Transmit - 802.11n-20BW_14.4Mbps(5G Band)(Grid DISH Antenna)
(5785MHz)

CHAIN	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)1	Limit	Result
A	-4.550	-1.540	< 8dBm	Pass
B	-4.260	-1.250	< 8dBm	Pass

Note 1: The quantity $10 \cdot \log 2$ (two antennas) is added to the spectrum peak value according to document 662911 D01.

Figure Channel 157: (Chain A)

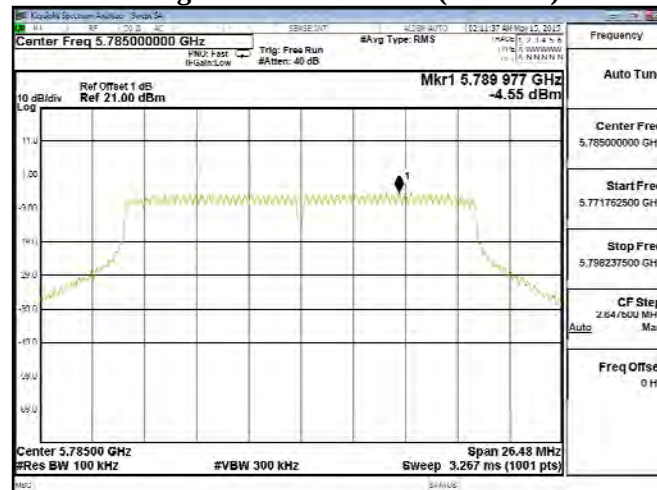
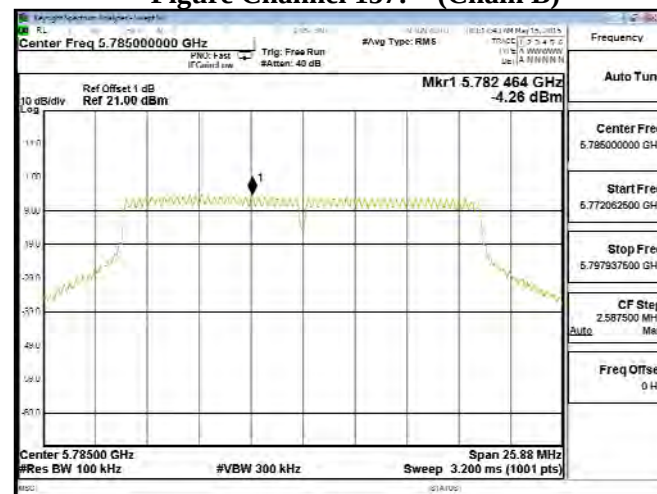


Figure Channel 157: (Chain B)



Product : 802.11 ac PCIe Module
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 6: Transmit - 802.11n-20BW_14.4Mbps(5G Band)(Grid DISH Antenna)
 (5825MHz)

CHAIN	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)1	Limit	Result
A	-1.640	1.370	< 8dBm	Pass
B	-1.710	1.300	< 8dBm	Pass

Note 1: The quantity $10 \cdot \log 2$ (two antennas) is added to the spectrum peak value according to document 662911 D01.

Figure Channel 165: (Chain A)

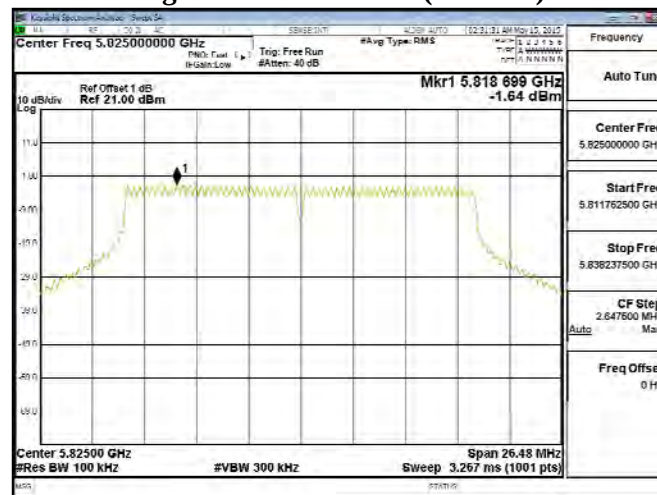
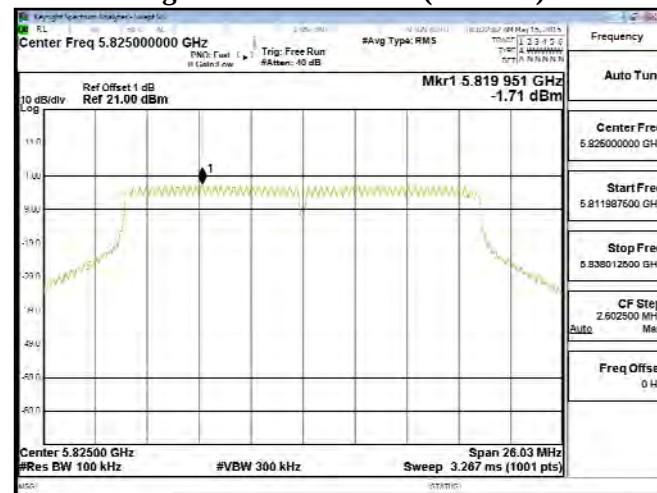


Figure Channel 165: (Chain B)



Product : 802.11 ac PCIe Module
Test Item : Power Density Data
Test Site : No.3 OATS
Test Mode : Mode 7: Transmit - 802.11n-40BW_30Mbps(5G Band)(Grid DISH Antenna)
(5755MHz)

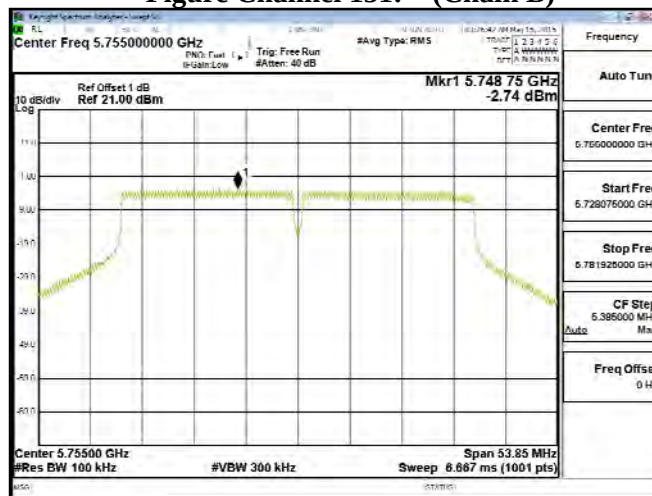
CHAIN	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)1	Limit	Result
A	-3.020	-0.010	< 8dBm	Pass
B	-2.740	0.270	< 8dBm	Pass

Note 1: The quantity $10 \cdot \log 2$ (two antennas) is added to the spectrum peak value according to document 662911 D01.

Figure Channel 151: (Chain A)



Figure Channel 151: (Chain B)



Product : 802.11 ac PCIe Module
Test Item : Power Density Data
Test Site : No.3OATS
Test Mode : Mode 7: Transmit - 802.11n-40BW_30Mbps(5G Band)(Grid DISH Antenna)
(5795MHz)

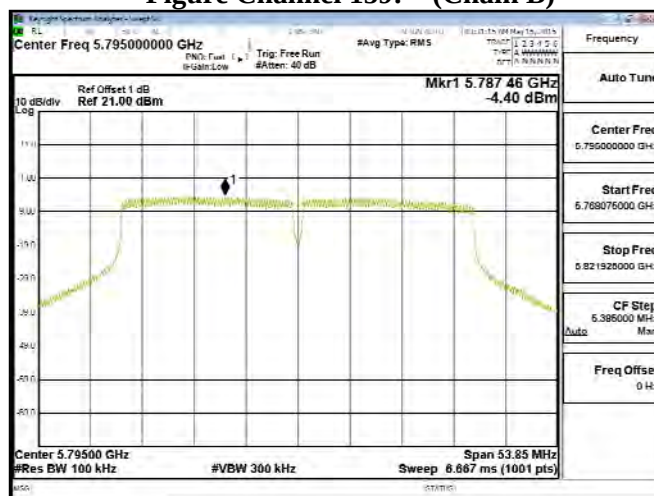
CHAIN	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)1	Limit	Result
A	-4.790	-1.780	< 8dBm	Pass
B	-4.400	-1.390	< 8dBm	Pass

Note 1: The quantity $10 \cdot \log 2$ (two antennas) is added to the spectrum peak value according to document 662911 D01.

Figure Channel 159: (Chain A)



Figure Channel 159: (Chain B)



Product : 802.11 ac PCIe Module
Test Item : Power Density Data
Test Site : No.3OATS
Test Mode : Mode 8: Transmit - 802.11ac-80BW_65Mbps(5G Band)(Grid DISH Antenna)
(5780MHz)

CHAIN	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)1	Limit	Result
A	-6.786	-3.776	< 8dBm	Pass
B	-5.970	-2.960	< 8dBm	Pass

Note 1: The quantity $10 \cdot \log 2$ (two antennas) is added to the spectrum peak value according to document 662911 D01.

Figure Channel 156: (Chain A)

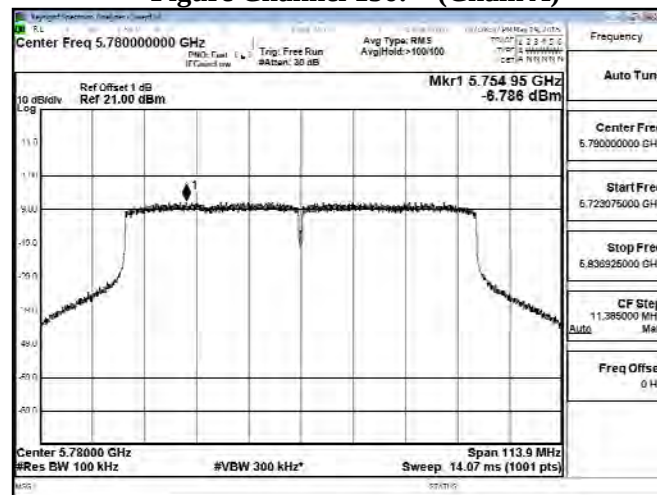
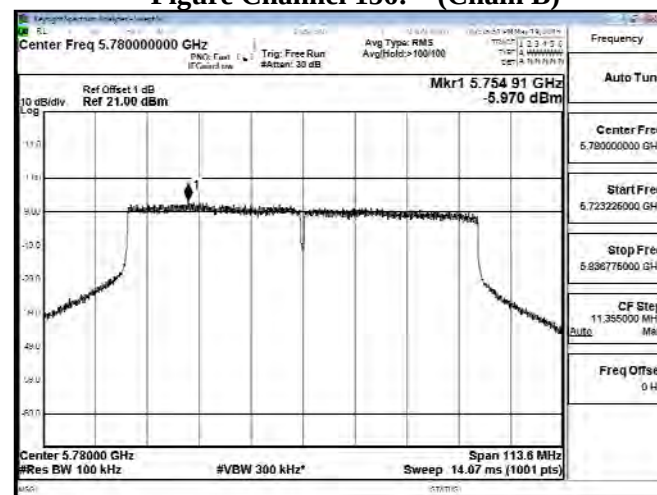


Figure Channel 156: (Chain B)



Product : 802.11 ac PCIe Module
Test Item : Power Density Data
Test Site : No.3 OATS
Test Mode : Mode 9: Transmit - 802.11a_6Mbps(Omni Antenna) (5745MHz)

CHAIN	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)1	Limit	Result
A	-2.437	0.573	< 4dBm	Pass
B	-1.940	1.070	< 4dBm	Pass

Note 1: The quantity $10 \cdot \log 2$ (two antennas) is added to the spectrum peak value according to document 662911 D01.

Figure Channel 149: (Chain A)

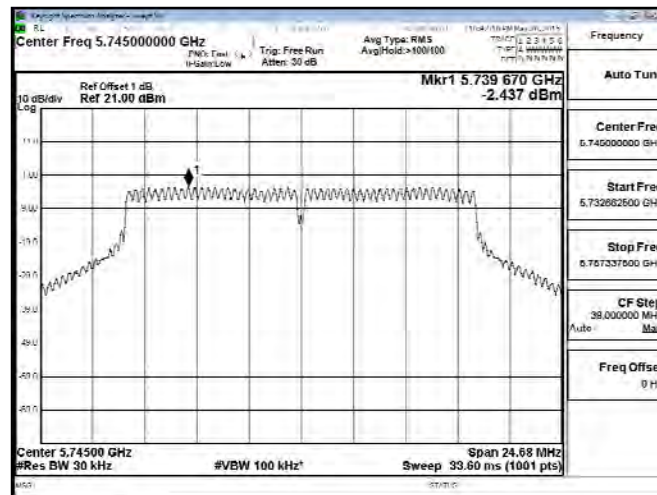
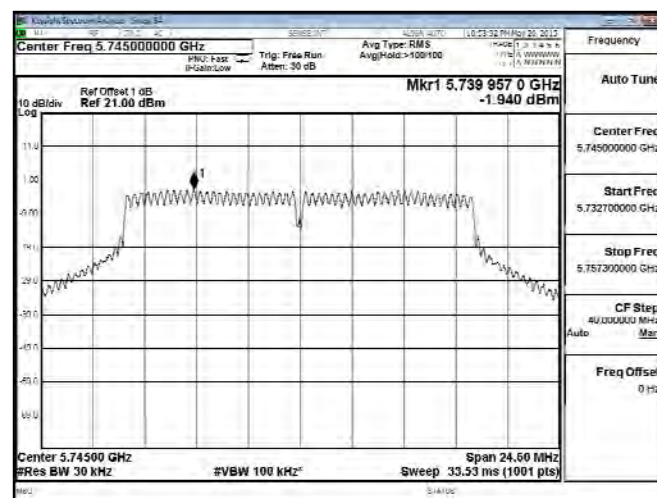


Figure Channel 149: (Chain B)



Product : 802.11 ac PCIe Module
Test Item : Power Density Data
Test Site : No.3 OATS
Test Mode : Mode 9: Transmit - 802.11a_6Mbps(Omni Antenna) (5785MHz)

CHAIN	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)1	Limit	Result
A	-2.069	0.941	< 4dBm	Pass
B	-2.057	0.953	< 4dBm	Pass

Note 1: The quantity $10 \cdot \log 2$ (two antennas) is added to the spectrum peak value according to document 662911 D01.

Figure Channel 157: (Chain A)

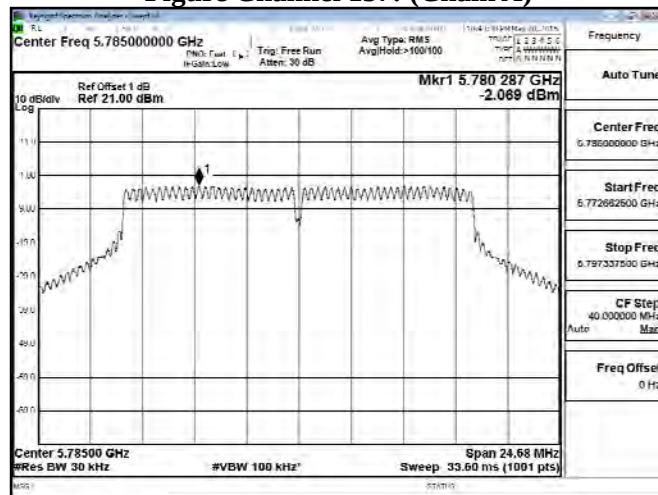
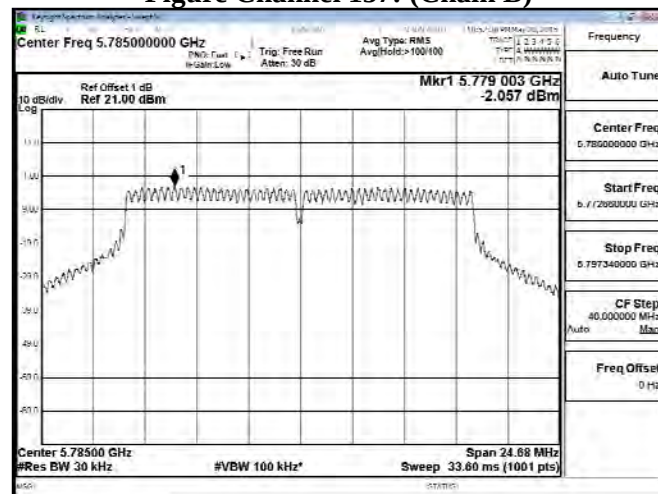


Figure Channel 157: (Chain B)



Product : 802.11 ac PCIe Module
Test Item : Power Density Data
Test Site : No.3 OATS
Test Mode : Mode 9: Transmit - 802.11a_6Mbps(Omni Antenna) (5825MHz)

CHAIN	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)1	Limit	Result
A	-1.943	1.067	< 4dBm	Pass
B	-2.022	0.988	< 4dBm	Pass

Note 1: The quantity $10 \cdot \log 2$ (two antennas) is added to the spectrum peak value according to document 662911 D01.

Figure Channel 165: (Chain A)

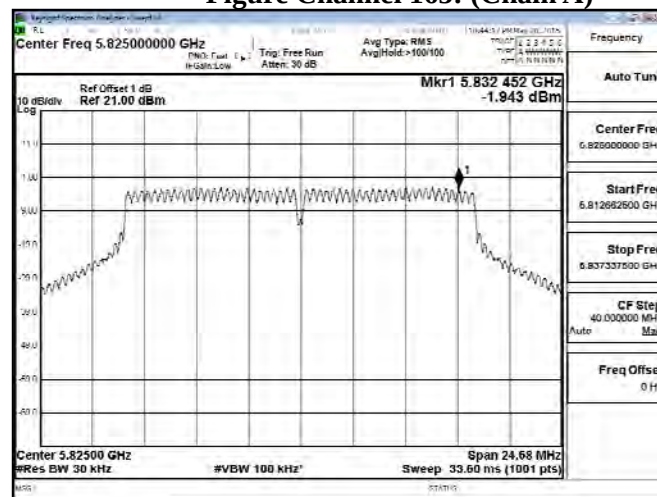
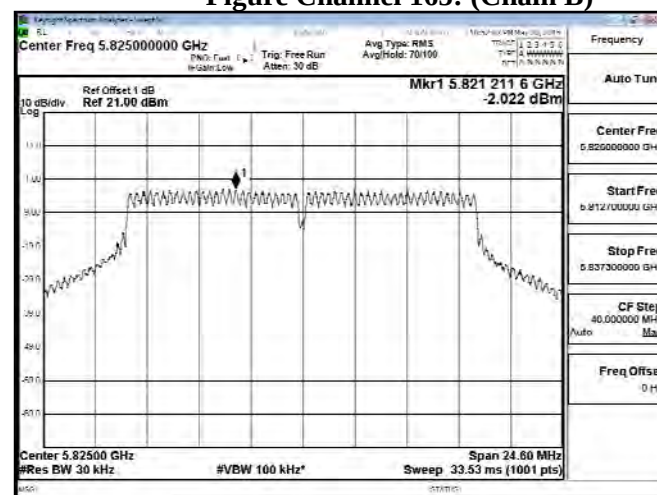


Figure Channel 165: (Chain B)



Product : 802.11 ac PCIe Module
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 10: Transmit - 802.11n-20BW_14.4Mbps(5G Band)(Omni Antenna)
 (5745MHz)

CHAIN	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)1	Limit	Result
A	-1.574	1.436	< 4dBm	Pass
B	-2.404	0.606	< 4dBm	Pass

Note 1: The quantity $10 \cdot \log 2$ (two antennas) is added to the spectrum peak value according to document 662911 D01.

Figure Channel 149: (Chain A)

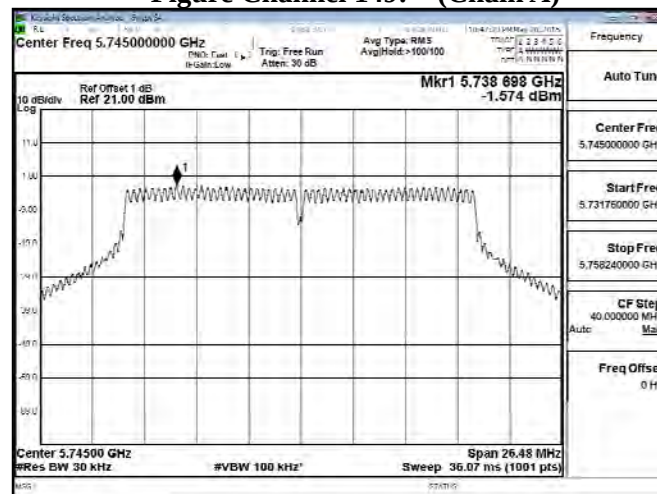
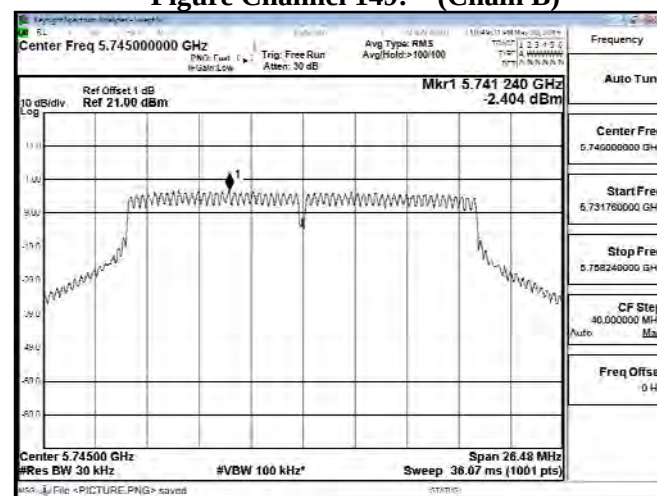


Figure Channel 149: (Chain B)



Product : 802.11 ac PCIe Module
Test Item : Power Density Data
Test Site : No.3OATS
Test Mode : Mode 10: Transmit - 802.11n-20BW_14.4Mbps(5G Band)(Omni Antenna)
(5785MHz)

CHAIN	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)1	Limit	Result
A	-2.793	0.217	< 4dBm	Pass
B	-3.144	-0.134	< 4dBm	Pass

Note 1: The quantity $10 \cdot \log 2$ (two antennas) is added to the spectrum peak value according to document 662911 D01.

Figure Channel 157: (Chain A)

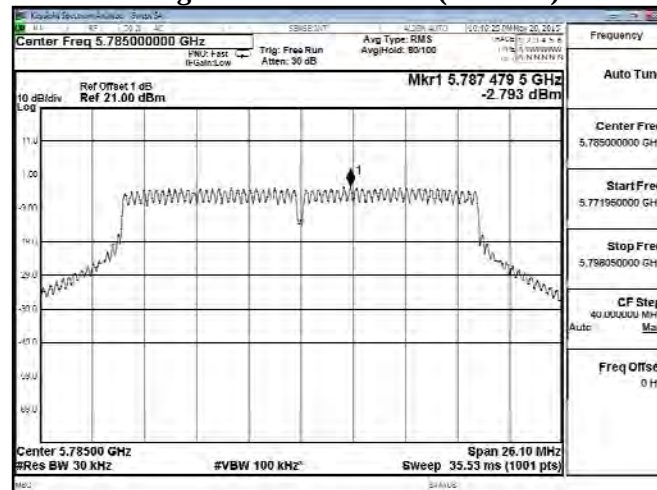
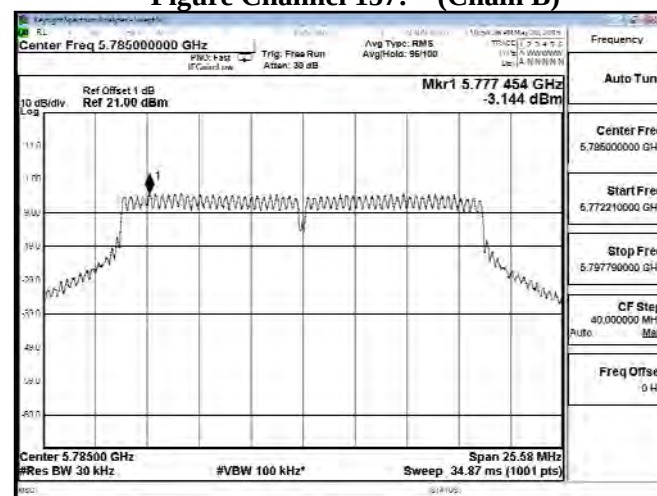


Figure Channel 157: (Chain B)



Product : 802.11 ac PCIe Module
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 10: Transmit - 802.11n-20BW_14.4Mbps(5G Band)(Omni Antenna)
 (5825MHz)

CHAIN	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)1	Limit	Result
A	-2.047	0.963	< 4dBm	Pass
B	-2.361	0.649	< 4dBm	Pass

Note 1: The quantity $10 \cdot \log 2$ (two antennas) is added to the spectrum peak value according to document 662911 D01.

Figure Channel 165: (Chain A)

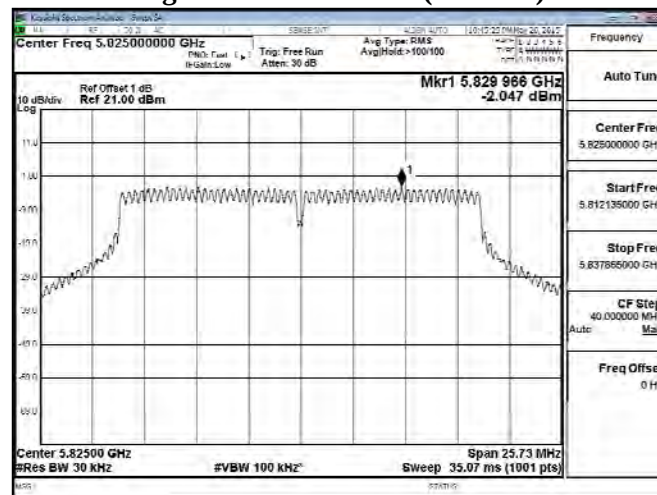
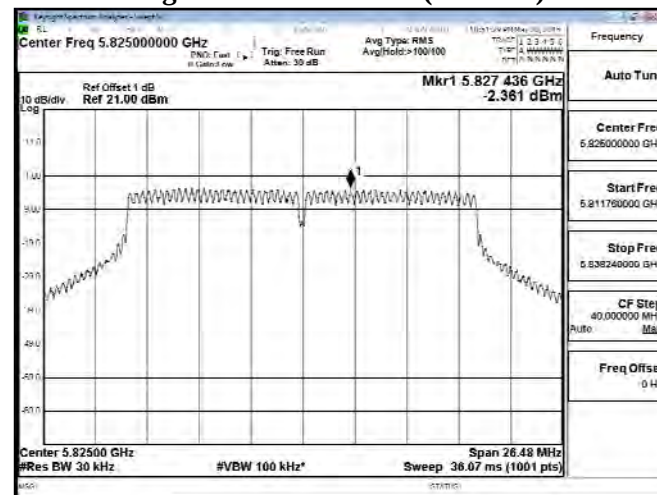


Figure Channel 165: (Chain B)



Product : 802.11 ac PCIe Module
Test Item : Power Density Data
Test Site : No.3 OATS
Test Mode : Mode 11: Transmit - 802.11n-40BW_30Mbps(5G Band)(Omni Antenna) (5755MHz)

CHAIN	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)1	Limit	Result
A	-2.629	0.381	< 4dBm	Pass
B	-3.016	-0.006	< 4dBm	Pass

Note 1: The quantity $10 \cdot \log 2$ (two antennas) is added to the spectrum peak value according to document 662911 D01.

Figure Channel 151: (Chain A)

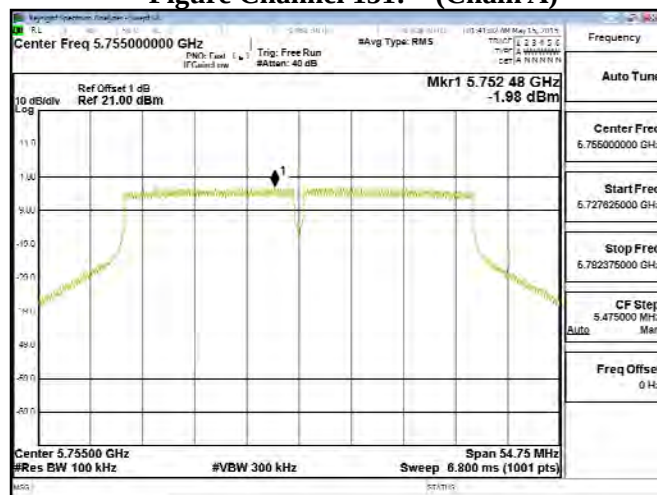
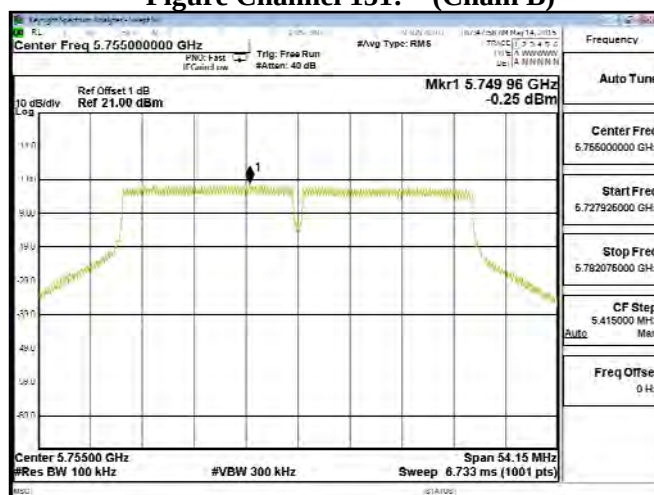


Figure Channel 151: (Chain B)



Product : 802.11 ac PCIe Module
Test Item : Power Density Data
Test Site : No.3OATS
Test Mode : Mode 11: Transmit - 802.11n-40BW_30Mbps(5G Band)(Omni Antenna) (5795MHz)

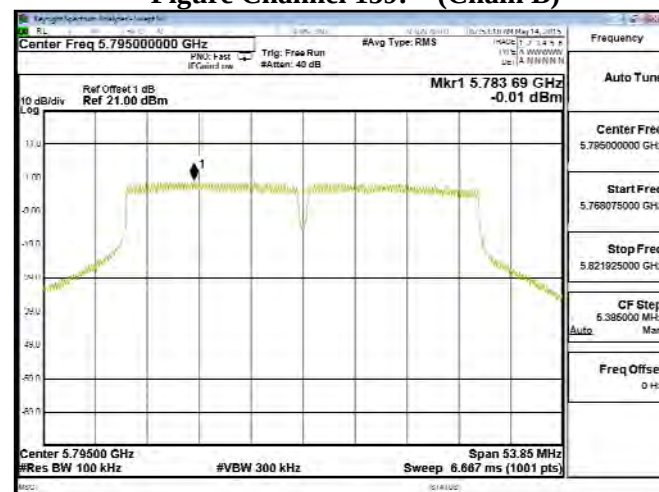
CHAIN	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)1	Limit	Result
A	-1.728	1.282	< 4dBm	Pass
B	-2.237	0.773	< 4dBm	Pass

Note 1: The quantity $10 \cdot \log 2$ (two antennas) is added to the spectrum peak value according to document 662911 D01.

Figure Channel 159: (Chain A)



Figure Channel 159: (Chain B)



Product : 802.11 ac PCIe Module
Test Item : Power Density Data
Test Site : No.3OATS
Test Mode : Mode 12: Transmit - 802.11ac-80BW_65Mbps(5G Band)(Omni Antenna) (5780MHz)

CHAIN	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)1	Limit	Result
A	-4.059	-1.049	< 4dBm	Pass
B	-4.069	-1.059	< 4dBm	Pass

Note 1: The quantity $10 \cdot \log 2$ (two antennas) is added to the spectrum peak value according to document 662911 D01.

Figure Channel 156: (Chain A)

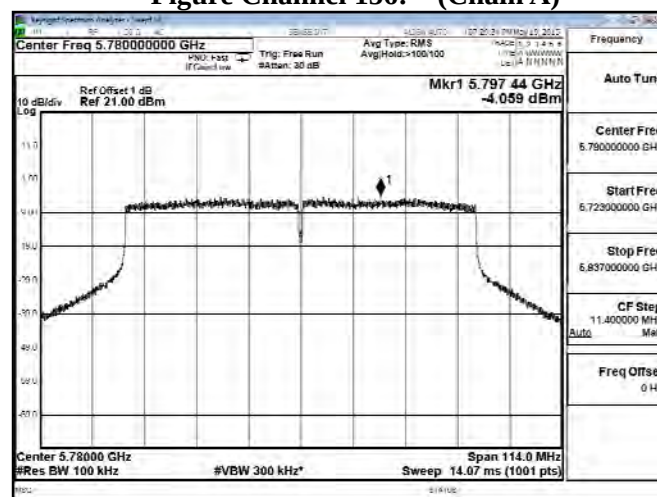
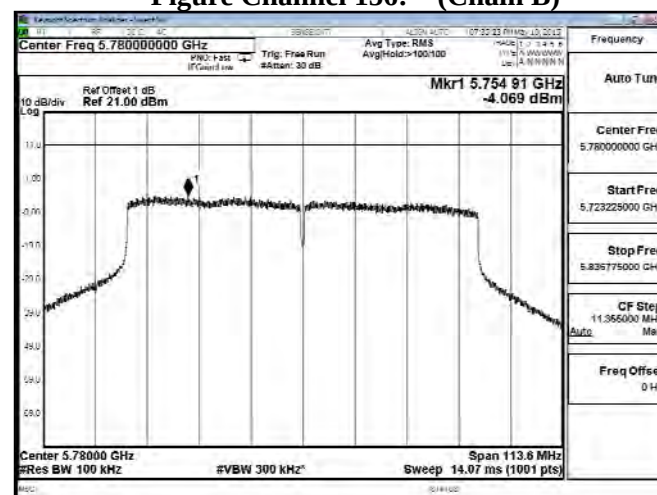


Figure Channel 156: (Chain B)



Product : 802.11 ac PCIe Module
Test Item : Power Density Data
Test Site : No.3 OATS
Test Mode : Mode 13: Transmit - 802.11a_6Mbps(Panel Antenna) (5745MHz)

CHAIN	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)1	Limit	Result
A	1.133	4.143	< 8dBm	Pass
B	1.029	4.039	< 8dBm	Pass

Note 1: The quantity $10 \cdot \log 2$ (two antennas) is added to the spectrum peak value according to document 662911 D01.

Figure Channel 149: (Chain A)

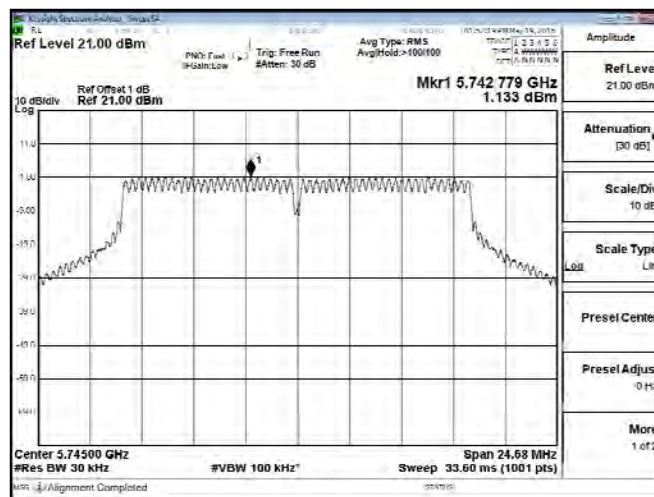
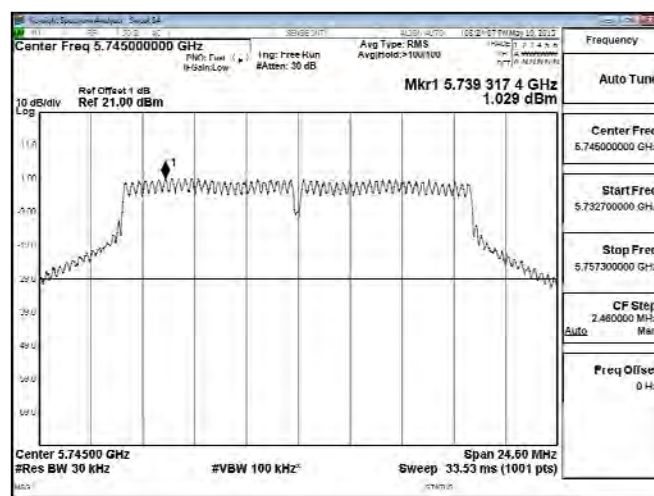


Figure Channel 149: (Chain B)



Product : 802.11 ac PCIe Module
Test Item : Power Density Data
Test Site : No.3 OATS
Test Mode : Mode 13: Transmit - 802.11a_6Mbps(Panel Antenna) (5785MHz)

CHAIN	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)1	Limit	Result
A	1.888	4.898	< 8dBm	Pass
B	0.592	3.602	< 8dBm	Pass

Note 1: The quantity $10 \cdot \log 2$ (two antennas) is added to the spectrum peak value according to document 662911 D01.

Figure Channel 157: (Chain A)

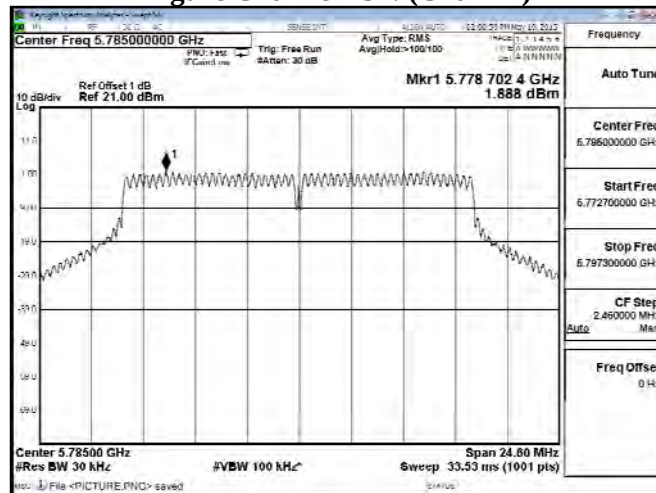
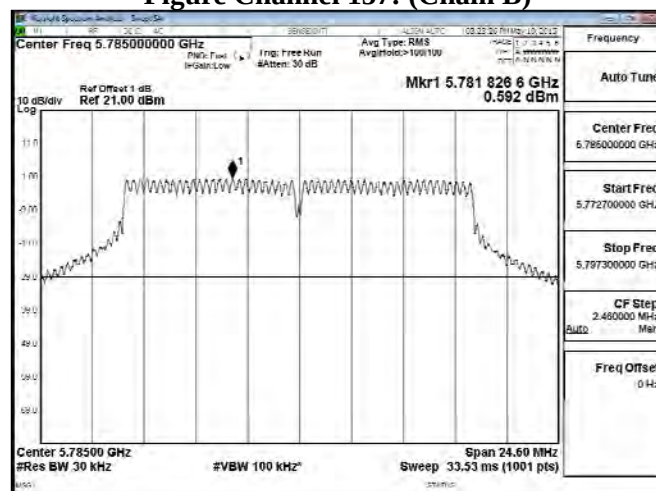


Figure Channel 157: (Chain B)



Product : 802.11 ac PCIe Module
Test Item : Power Density Data
Test Site : No.3 OATS
Test Mode : Mode 13: Transmit - 802.11a_6Mbps(Panel Antenna) (5825MHz)

CHAIN	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)1	Limit	Result
A	1.170	4.180	< 8dBm	Pass
B	0.622	3.632	< 8dBm	Pass

Note 1: The quantity $10 \cdot \log 2$ (two antennas) is added to the spectrum peak value according to document 662911 D01.

Figure Channel 165: (Chain A)

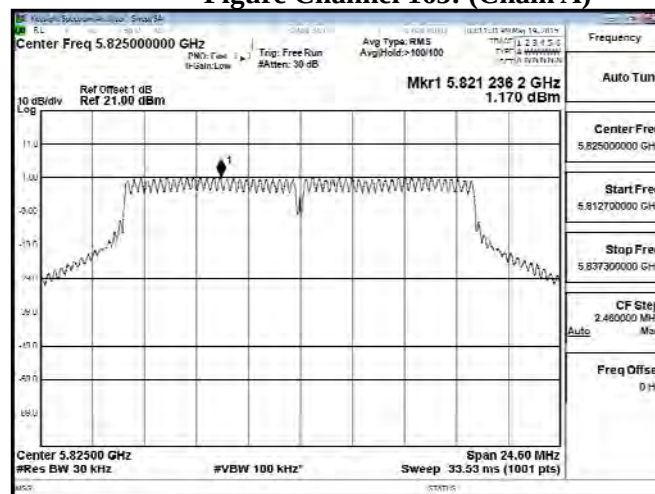
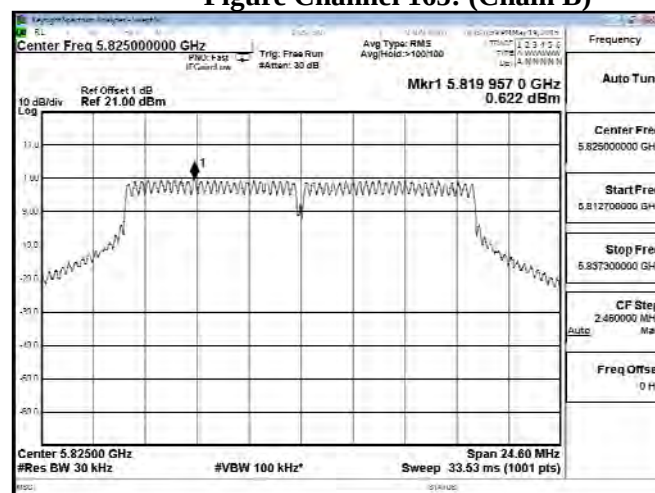


Figure Channel 165: (Chain B)



Product : 802.11 ac PCIe Module
Test Item : Power Density Data
Test Site : No.3 OATS
Test Mode : Mode 14: Transmit - 802.11n-20BW_14.4Mbps(5G Band)(Panel Antenna)
(5745MHz)

CHAIN	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)1	Limit	Result
A	0.594	3.604	< 8dBm	Pass
B	0.511	3.521	< 8dBm	Pass

Note 1: The quantity $10 \cdot \log 2$ (two antennas) is added to the spectrum peak value according to document 662911 D01.

Figure Channel 149: (Chain A)

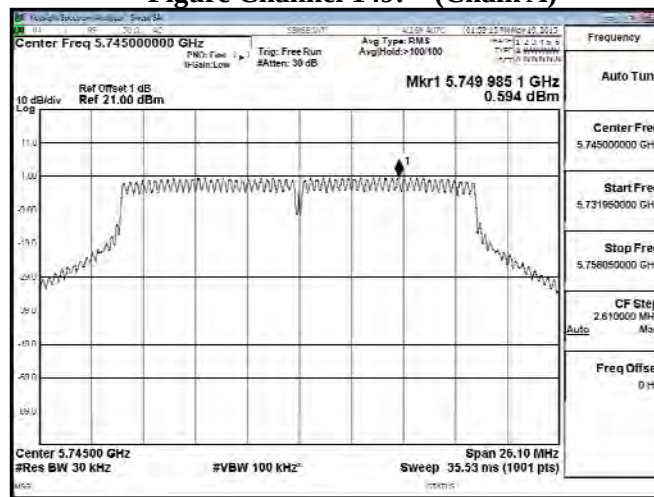
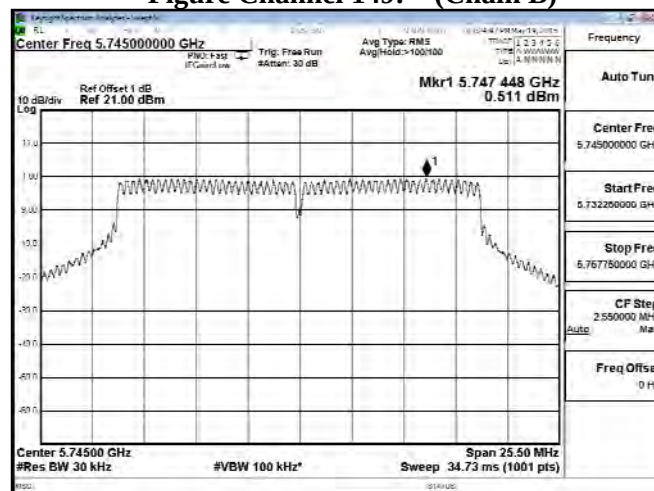


Figure Channel 149: (Chain B)



Product : 802.11 ac PCIe Module
Test Item : Power Density Data
Test Site : No.3OATS
Test Mode : Mode 14: Transmit - 802.11n-20BW_14.4Mbps(5G Band)(Panel Antenna)
(5785MHz)

CHAIN	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)1	Limit	Result
A	0.150	3.160	< 8dBm	Pass
B	-0.037	2.973	< 8dBm	Pass

Note 1: The quantity $10 \cdot \log 2$ (two antennas) is added to the spectrum peak value according to document 662911 D01.

Figure Channel 157: (Chain A)

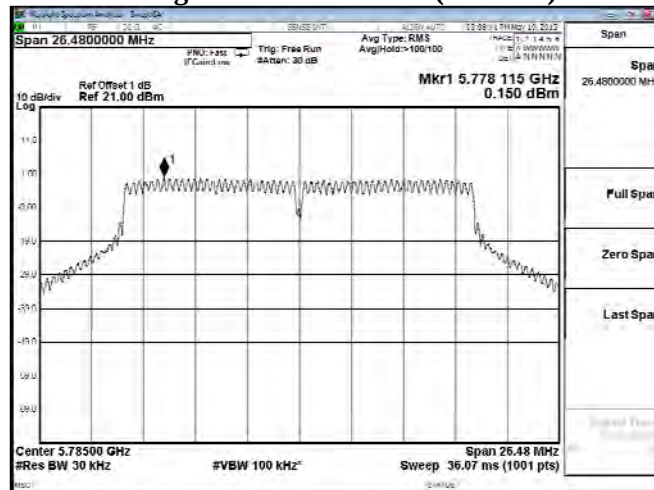
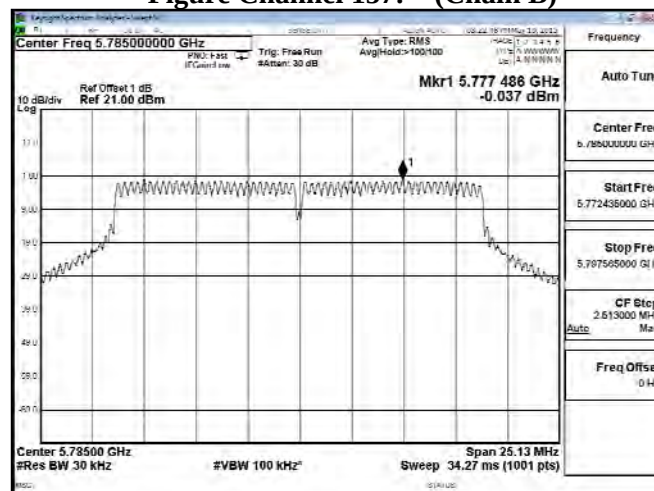


Figure Channel 157: (Chain B)



Product : 802.11 ac PCIe Module
Test Item : Power Density Data
Test Site : No.3 OATS
Test Mode : Mode 14: Transmit - 802.11n-20BW_14.4Mbps(5G Band)(Panel Antenna)
(5825MHz)

CHAIN	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)1	Limit	Result
A	1.421	4.431	< 8dBm	Pass
B	0.433	3.443	< 8dBm	Pass

Note 1: The quantity $10 \cdot \log 2$ (two antennas) is added to the spectrum peak value according to document 662911 D01.

Figure Channel 165: (Chain A)

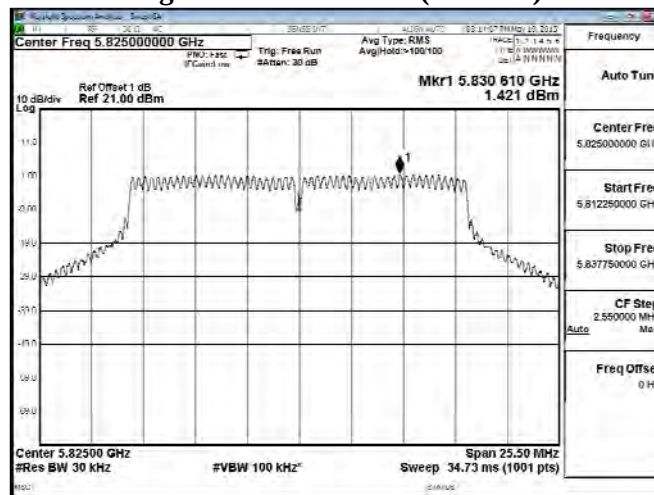
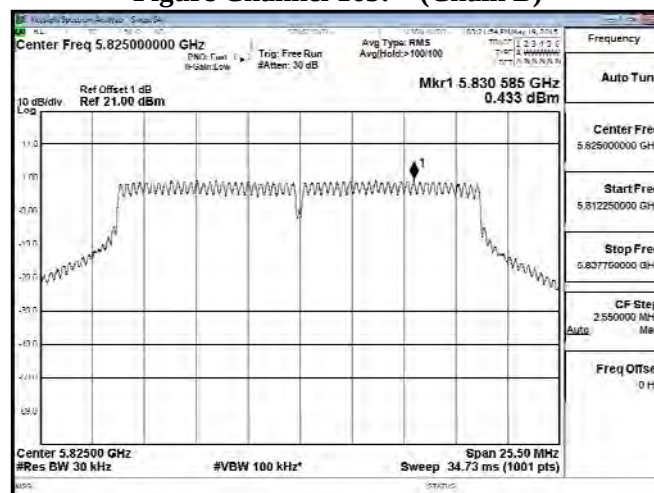


Figure Channel 165: (Chain B)



Product : 802.11 ac PCIe Module
Test Item : Power Density Data
Test Site : No.3 OATS
Test Mode : Mode 15: Transmit - 802.11n-40BW_30Mbps(5G Band)(Panel Antenna) (5755MHz)

CHAIN	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)1	Limit	Result
A	-2.629	0.381	< 8dBm	Pass
B	-3.016	-0.006	< 8dBm	Pass

Note 1: The quantity $10 \cdot \log 2$ (two antennas) is added to the spectrum peak value according to document 662911 D01.

Figure Channel 151: (Chain A)

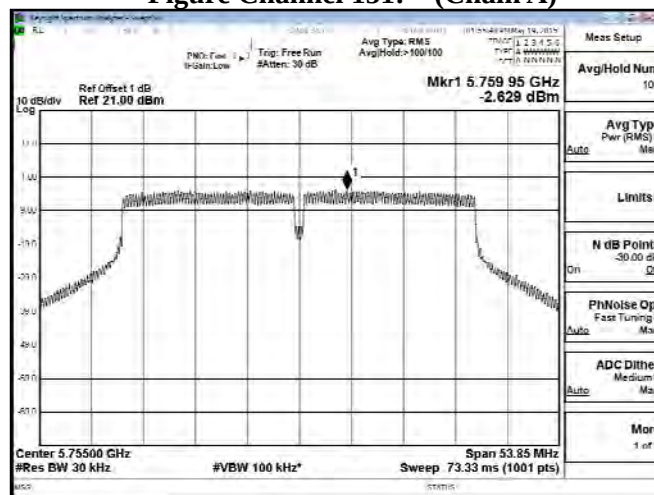
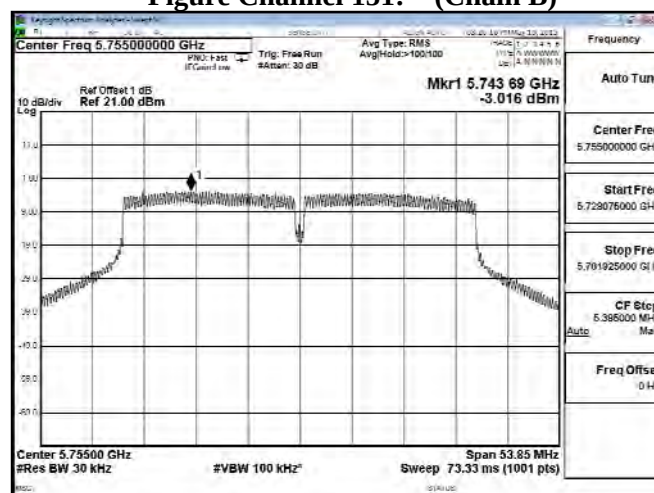


Figure Channel 151: (Chain B)



Product : 802.11 ac PCIe Module
Test Item : Power Density Data
Test Site : No.3OATS
Test Mode : Mode 15: Transmit - 802.11n-40BW_30Mbps(5G Band)(Panel Antenna) (5795MHz)

CHAIN	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)1	Limit	Result
A	-1.728	1.282	< 8dBm	Pass
B	-2.237	0.773	< 8dBm	Pass

Note 1: The quantity $10 \cdot \log 2$ (two antennas) is added to the spectrum peak value according to document 662911 D01.

Figure Channel 159: (Chain A)

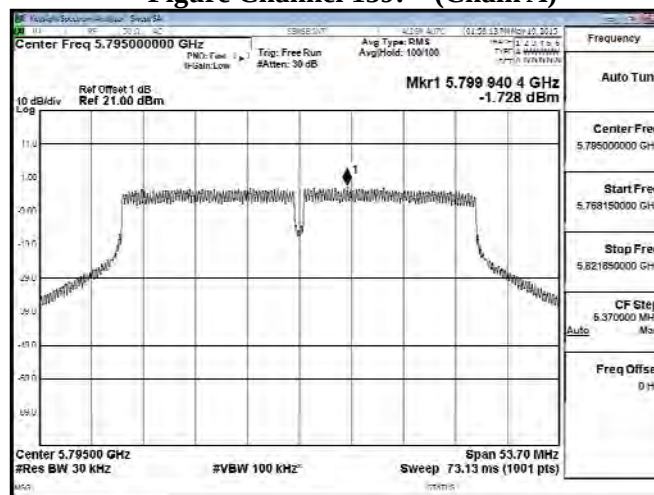
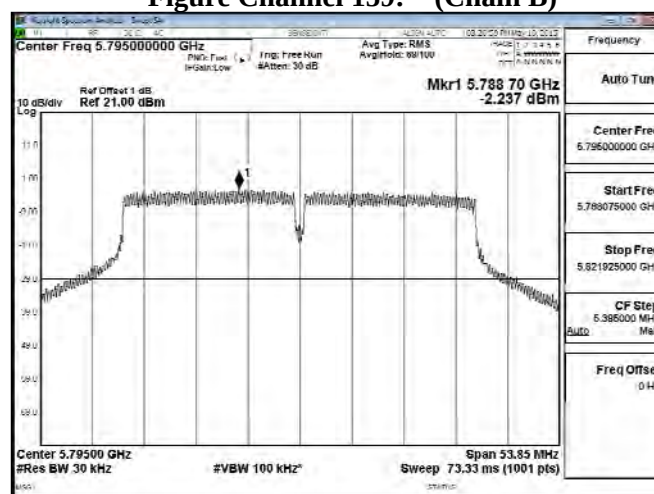


Figure Channel 159: (Chain B)



Product : 802.11 ac PCIe Module
 Test Item : Power Density Data
 Test Site : No.3OATS
 Test Mode : Mode 16: Transmit - 802.11ac-80BW_65Mbps(5G Band)(Panel Antenna) (5780MHz)

CHAIN	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)1	Limit	Result
A	-0.513	2.497	< 8dBm	Pass
B	0.028	3.038	< 8dBm	Pass

Note 1: The quantity $10 \cdot \log 2$ (two antennas) is added to the spectrum peak value according to document 662911 D01.

Figure Channel 156: (Chain A)

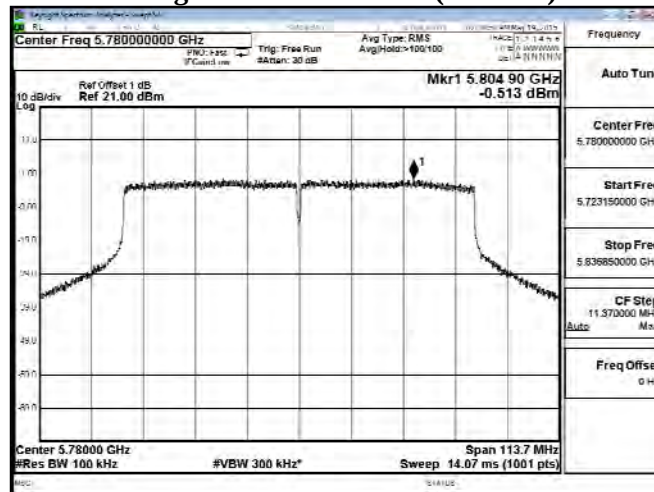
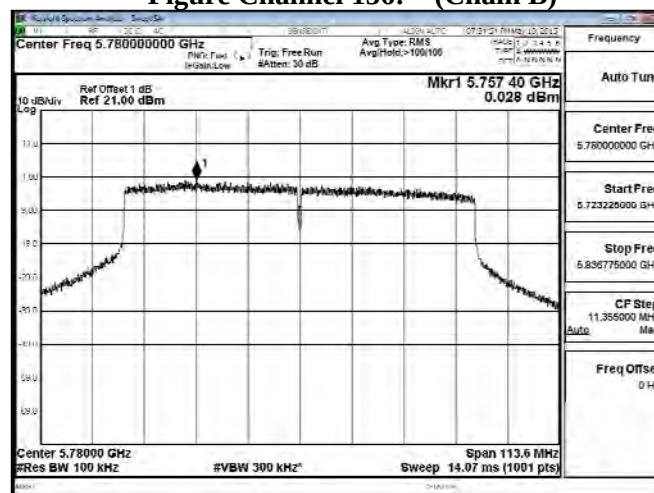


Figure Channel 156: (Chain B)



Product : 802.11 ac PCIe Module
Test Item : Power Density Data
Test Site : No.3 OATS
Test Mode : Mode 17: Transmit - 802.11a_6Mbps(Sector Antenna) (5745MHz)

CHAIN	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)1	Limit	Result
A	1.133	4.143	< 8dBm	Pass
B	1.029	4.039	< 8dBm	Pass

Note 1: The quantity $10 \cdot \log 2$ (two antennas) is added to the spectrum peak value according to document 662911 D01.

Figure Channel 149: (Chain A)

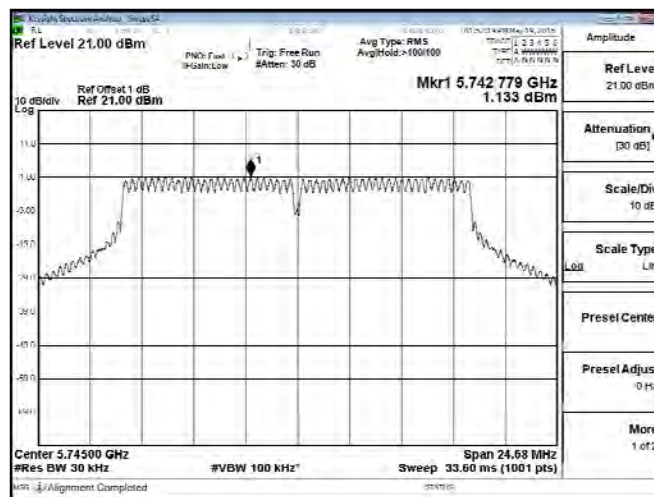
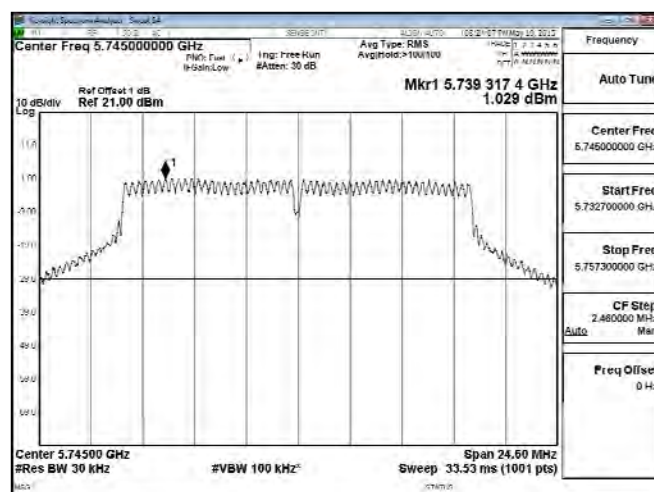


Figure Channel 149: (Chain B)



Product : 802.11 ac PCIe Module
Test Item : Power Density Data
Test Site : No.3 OATS
Test Mode : Mode 17: Transmit - 802.11a_6Mbps(Sector Antenna) (5785MHz)

CHAIN	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)1	Limit	Result
A	1.888	4.898	< 8dBm	Pass
B	0.592	3.602	< 8dBm	Pass

Note 1: The quantity $10 \cdot \log 2$ (two antennas) is added to the spectrum peak value according to document 662911 D01.

Figure Channel 157: (Chain A)

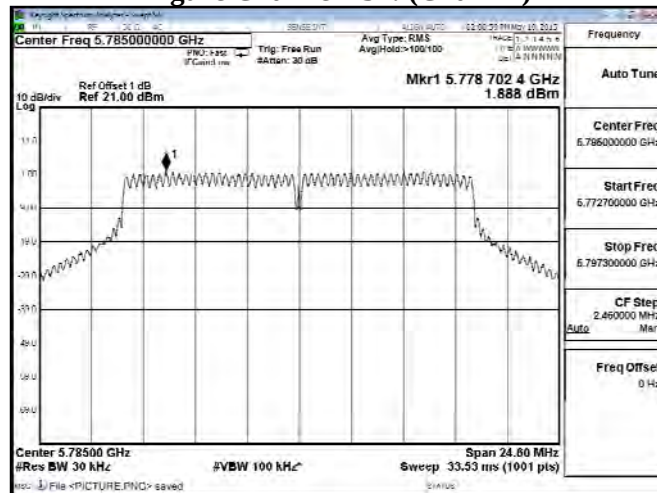
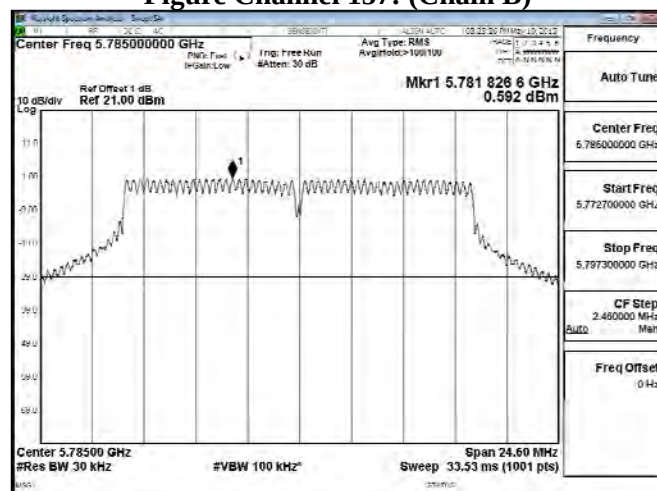


Figure Channel 157: (Chain B)



Product : 802.11 ac PCIe Module
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 17: Transmit - 802.11a_6Mbps(Sector Antenna) (5825MHz)

CHAIN	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)1	Limit	Result
A	1.170	4.180	< 8dBm	Pass
B	0.622	3.632	< 8dBm	Pass

Note 1: The quantity $10 \cdot \log 2$ (two antennas) is added to the spectrum peak value according to document 662911 D01.

Figure Channel 165: (Chain A)

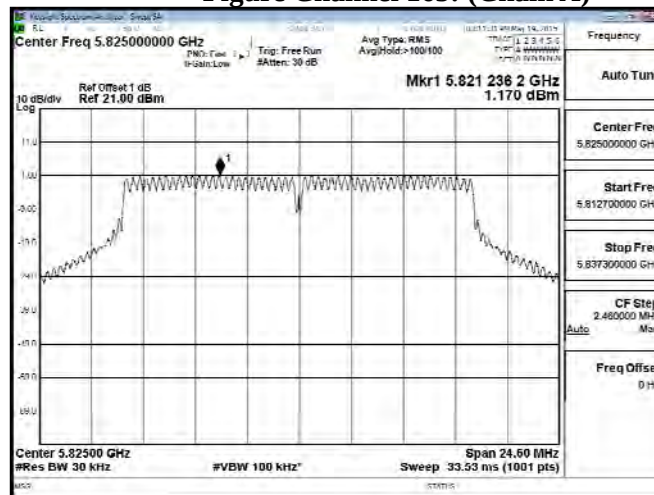
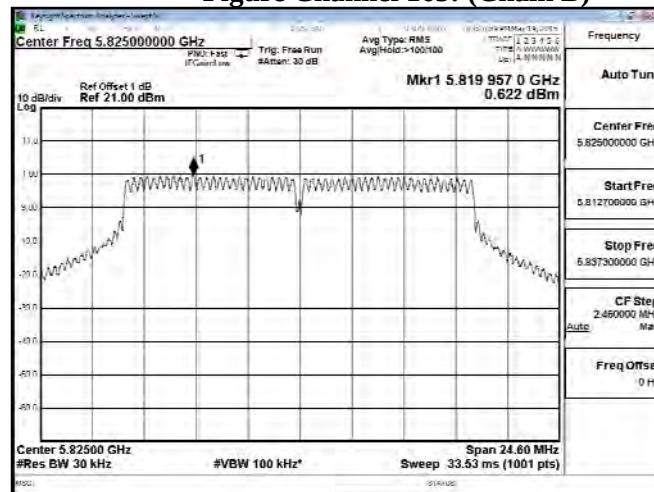


Figure Channel 165: (Chain B)



Product : 802.11 ac PCIe Module
Test Item : Power Density Data
Test Site : No.3 OATS
Test Mode : Mode 18: Transmit - 802.11n-20BW_14.4Mbps(5G Band)(Sector Antenna)
(5745MHz)

CHAIN	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)1	Limit	Result
A	0.594	3.604	< 8dBm	Pass
B	0.511	3.521	< 8dBm	Pass

Note 1: The quantity $10 \cdot \log 2$ (two antennas) is added to the spectrum peak value according to document 662911 D01.

Figure Channel 149: (Chain A)

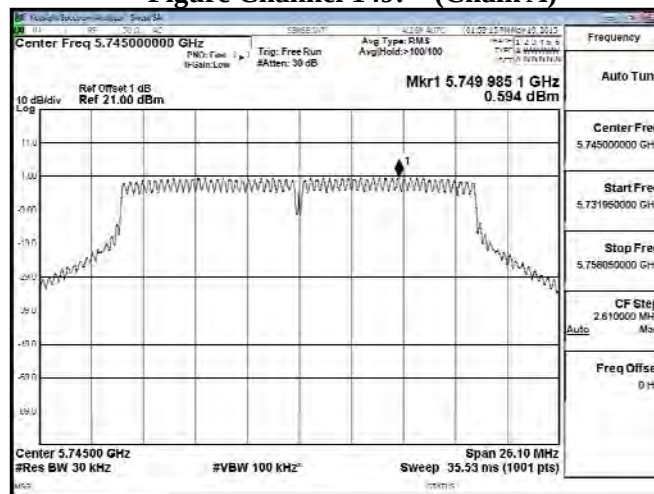
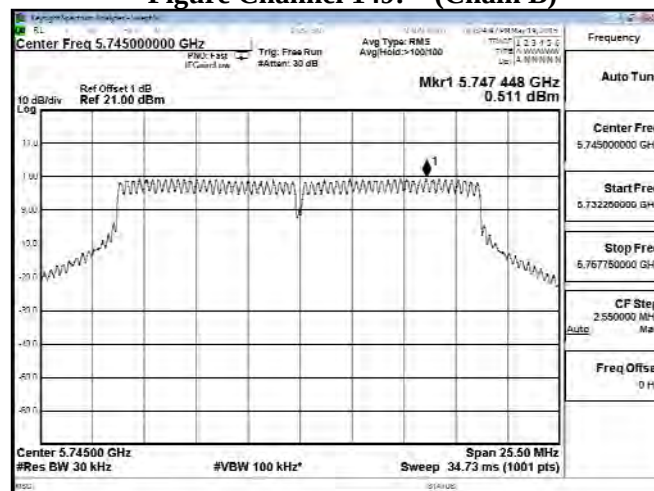


Figure Channel 149: (Chain B)



Product : 802.11 ac PCIe Module
Test Item : Power Density Data
Test Site : No.3OATS
Test Mode : Mode 18: Transmit - 802.11n-20BW_14.4Mbps(5G Band)(Sector Antenna)
(5785MHz)

CHAIN	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)1	Limit	Result
A	0.150	3.160	< 8dBm	Pass
B	-0.037	2.973	< 8dBm	Pass

Note 1: The quantity $10 \cdot \log 2$ (two antennas) is added to the spectrum peak value according to document 662911 D01.

Figure Channel 157: (Chain A)

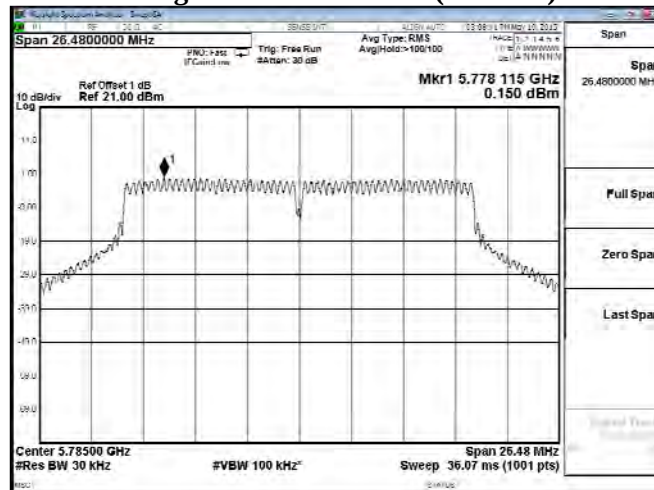
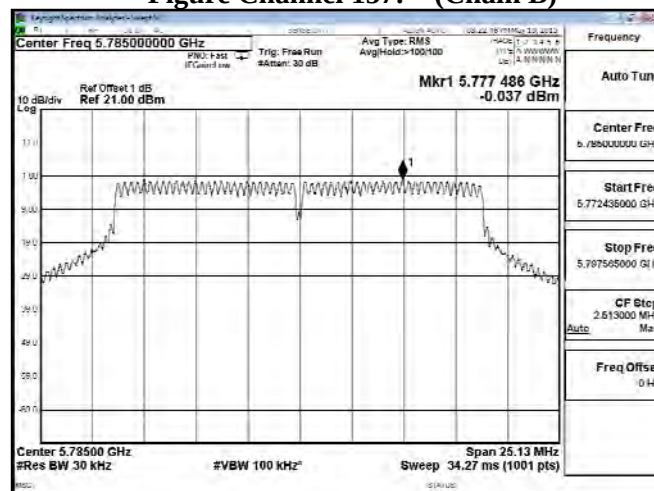


Figure Channel 157: (Chain B)



Product : 802.11 ac PCIe Module
Test Item : Power Density Data
Test Site : No.3 OATS
Test Mode : Mode 18: Transmit - 802.11n-20BW_14.4Mbps(5G Band)(Sector Antenna)
(5825MHz)

CHAIN	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)1	Limit	Result
A	1.421	4.431	< 8dBm	Pass
B	0.433	3.443	< 8dBm	Pass

Note 1: The quantity $10 \cdot \log 2$ (two antennas) is added to the spectrum peak value according to document 662911 D01.

Figure Channel 165: (Chain A)

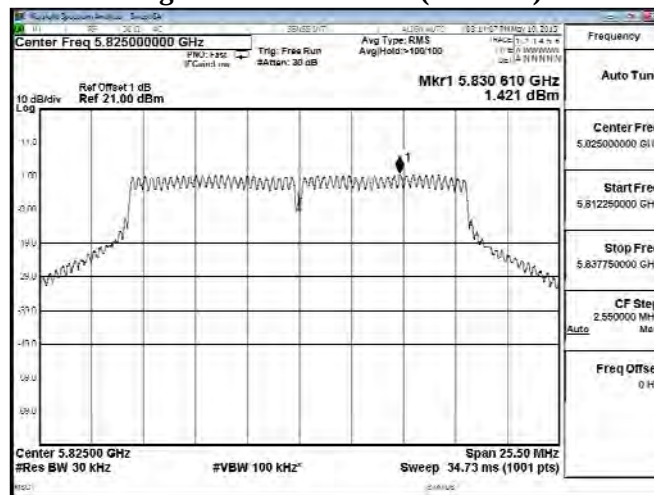
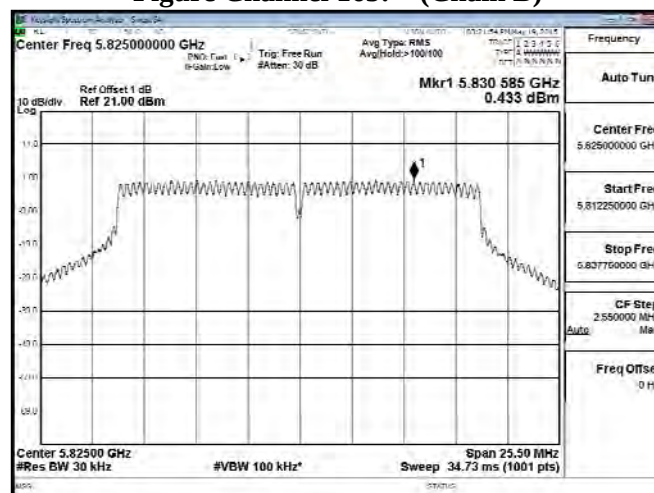


Figure Channel 165: (Chain B)



Product : 802.11 ac PCIe Module
Test Item : Power Density Data
Test Site : No.3 OATS
Test Mode : Mode 19: Transmit - 802.11n-40BW_30Mbps(5G Band)(Sector Antenna) (5755MHz)

CHAIN	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)1	Limit	Result
A	-2.629	0.381	< 8dBm	Pass
B	-3.016	-0.006	< 8dBm	Pass

Note 1: The quantity $10 \cdot \log 2$ (two antennas) is added to the spectrum peak value according to document 662911 D01.

Figure Channel 151: (Chain A)

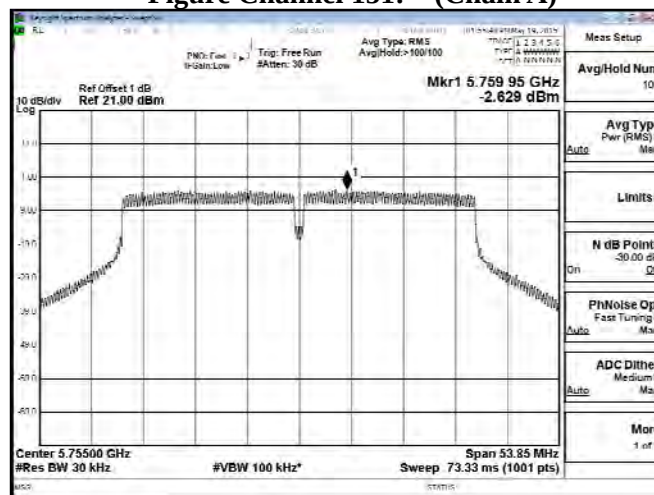
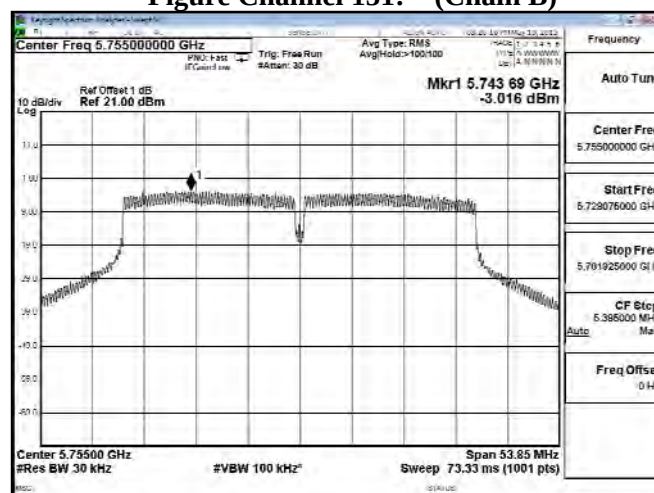


Figure Channel 151: (Chain B)



Product : 802.11 ac PCIe Module
Test Item : Power Density Data
Test Site : No.3OATS
Test Mode : Mode 19: Transmit - 802.11n-40BW_30Mbps(5G Band)(Sector Antenna) (5795MHz)

CHAIN	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)1	Limit	Result
A	-1.728	1.282	< 8dBm	Pass
B	-2.237	0.773	< 8dBm	Pass

Note 1: The quantity $10 \cdot \log 2$ (two antennas) is added to the spectrum peak value according to document 662911 D01.

Figure Channel 159: (Chain A)

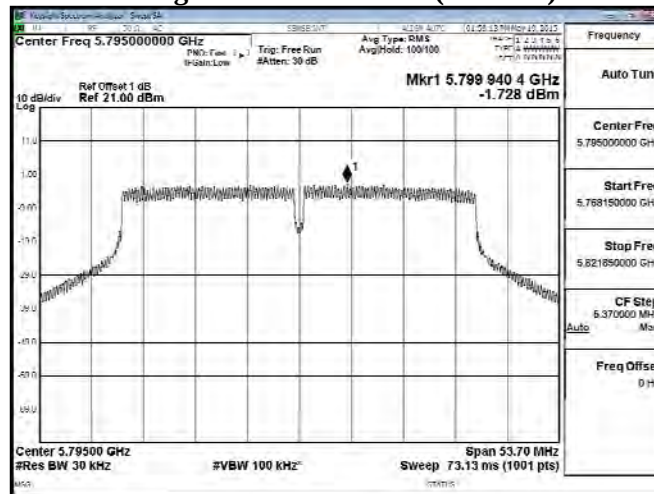
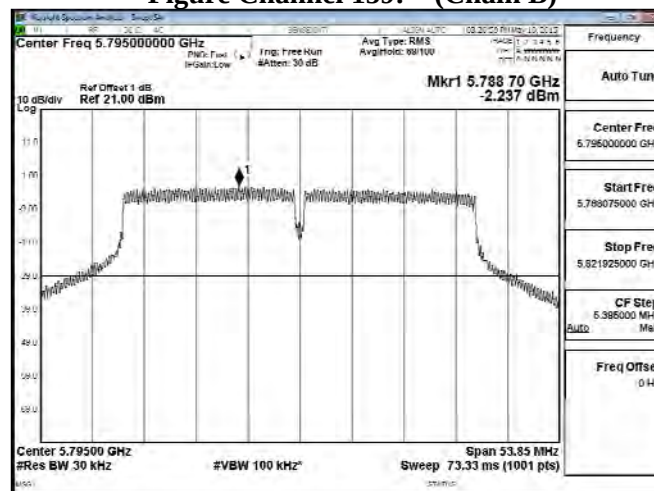


Figure Channel 159: (Chain B)



Product : 802.11 ac PCIe Module
Test Item : Power Density Data
Test Site : No.3OATS
Test Mode : Mode 20: Transmit - 802.11ac-80BW_65Mbps(5G Band)(Sector Antenna)(5780MHz)

CHAIN	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)1	Limit	Result
A	-0.513	2.497	< 8dBm	Pass
B	0.028	3.038	< 8dBm	Pass

Note 1: The quantity $10 \cdot \log 2$ (two antennas) is added to the spectrum peak value according to document 662911 D01.

Figure Channel 156: (Chain A)

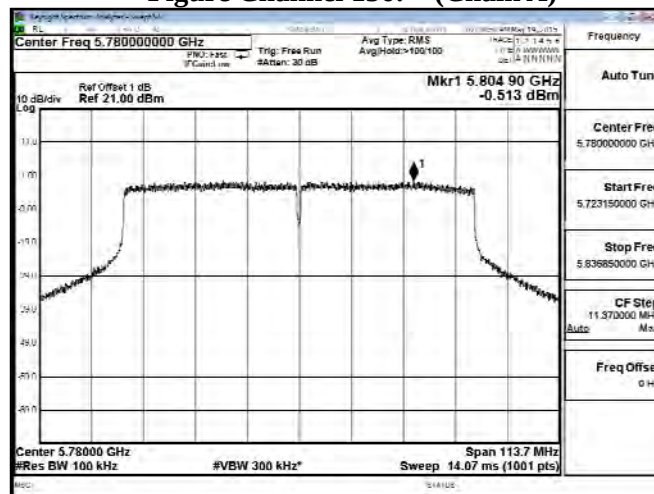
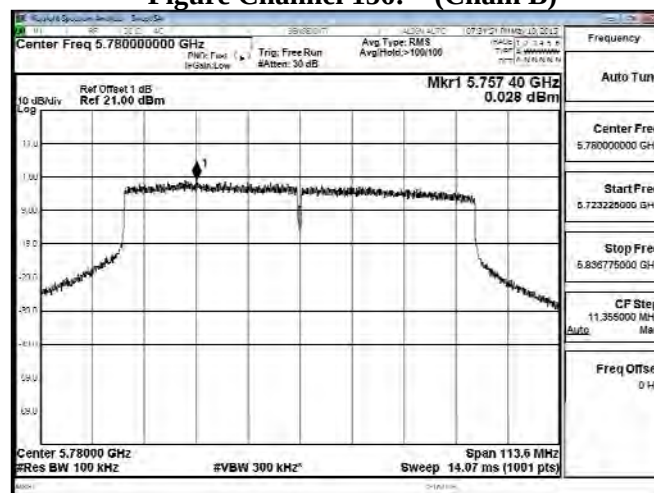


Figure Channel 156: (Chain B)



9. EMI Reduction Method During Compliance Testing

No modification was made during testing.