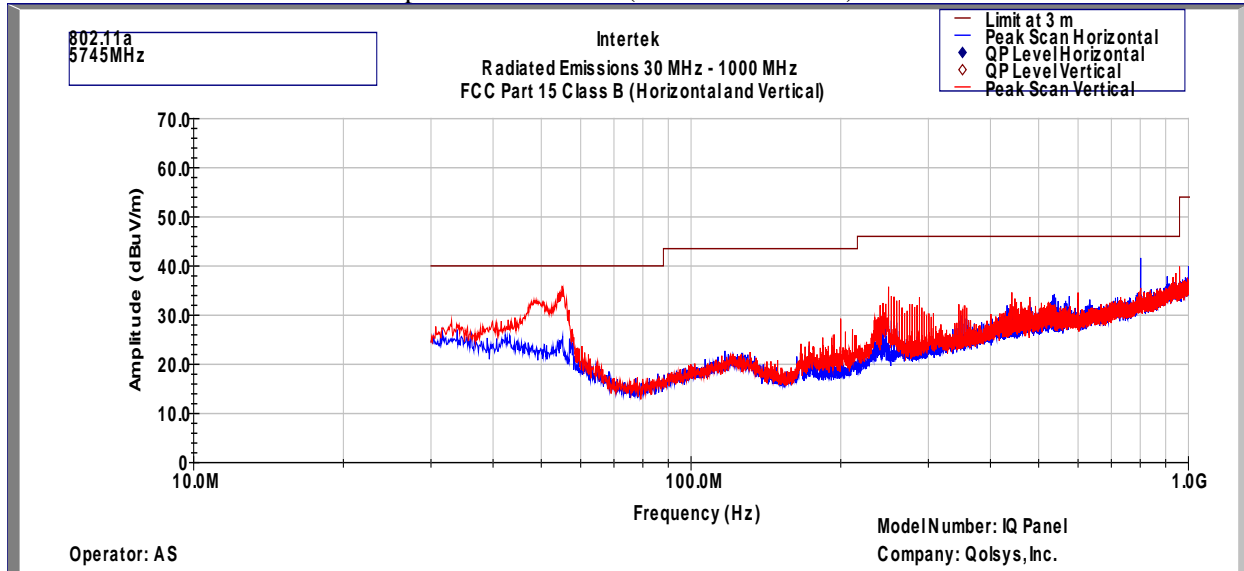


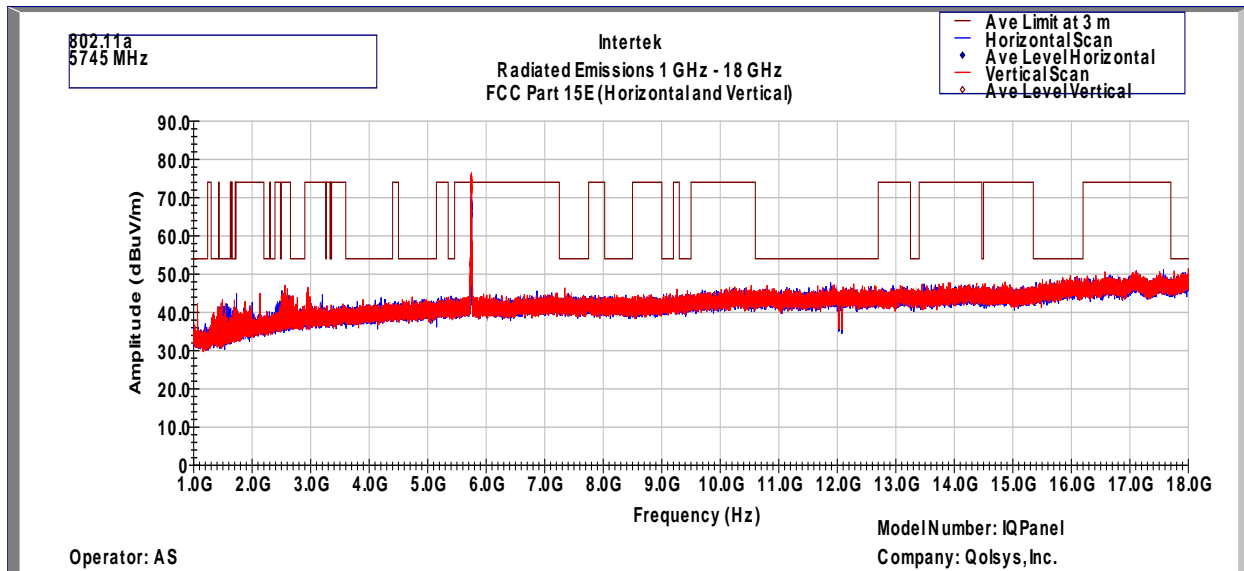
**Out-of-Band Radiated Spurious Emissions (Cabinet Radiation)**

Test Date:	February 24 - 26, 2016
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**Test Results: 15.209 Radiated Spurious Emissions Low Channel, Tx at 802.11a 5745MHz**  
**Out-of-Band Radiated Spurious Emissions (Cabinet Radiation) - 30 MHz to 1000 MHz**



**Out-of-Band Radiated Spurious Emissions (Cabinet Radiation) - 1 GHz to 18 GHz**



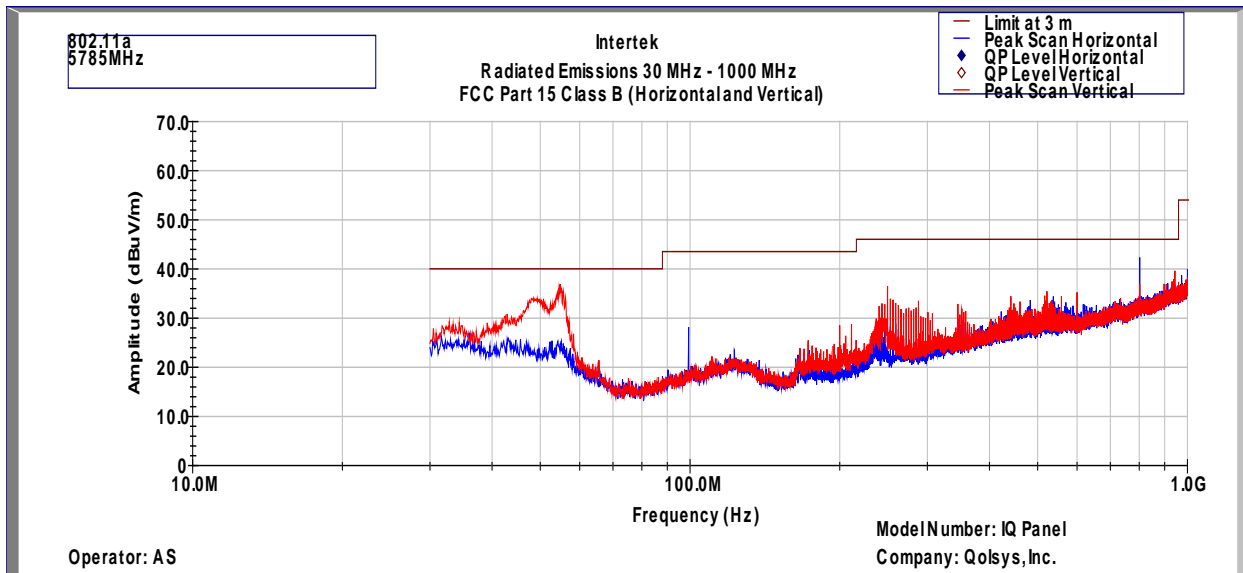
Note: Radiated emission measurements were performed up to 40GHz. No Emissions were identified when scanned from 18-40 GHz

Note: FS@3m = RA + AF + CF - Preamp, (Peak)

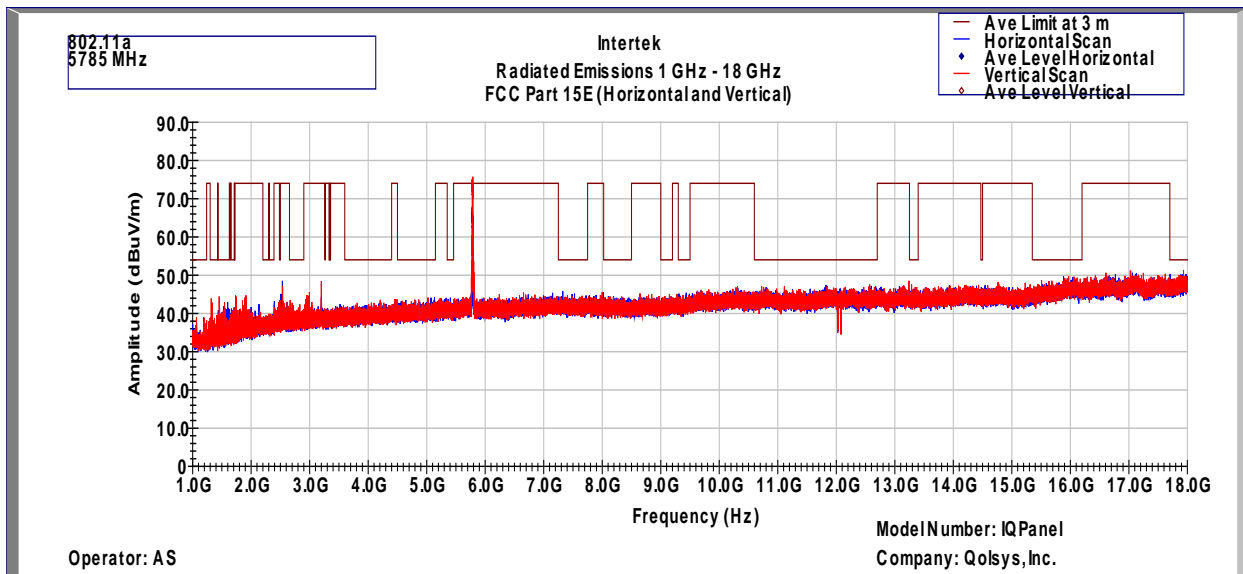
Corrected Peak Scans are under the Average Limit of 54.

**Test Results: 15.209 Radiated Spurious Emissions Low Channel, Tx at 802.11a 5785MHz**

Out-of-Band Radiated Spurious Emissions (Cabinet Radiation) - 30 MHz to 1000 MHz



Out-of-Band Radiated Spurious Emissions (Cabinet Radiation) - 1 GHz to 18 GHz

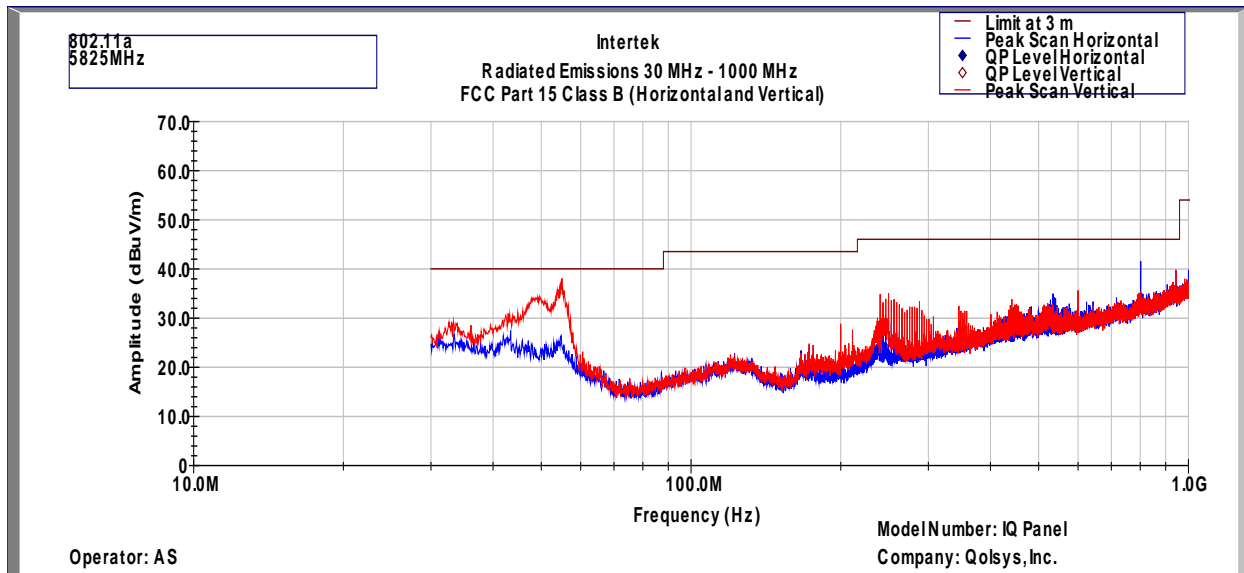


Note: Radiated emission measurements were performed up to 40GHz. No Emissions were identified when scanned from 18-40 GHz

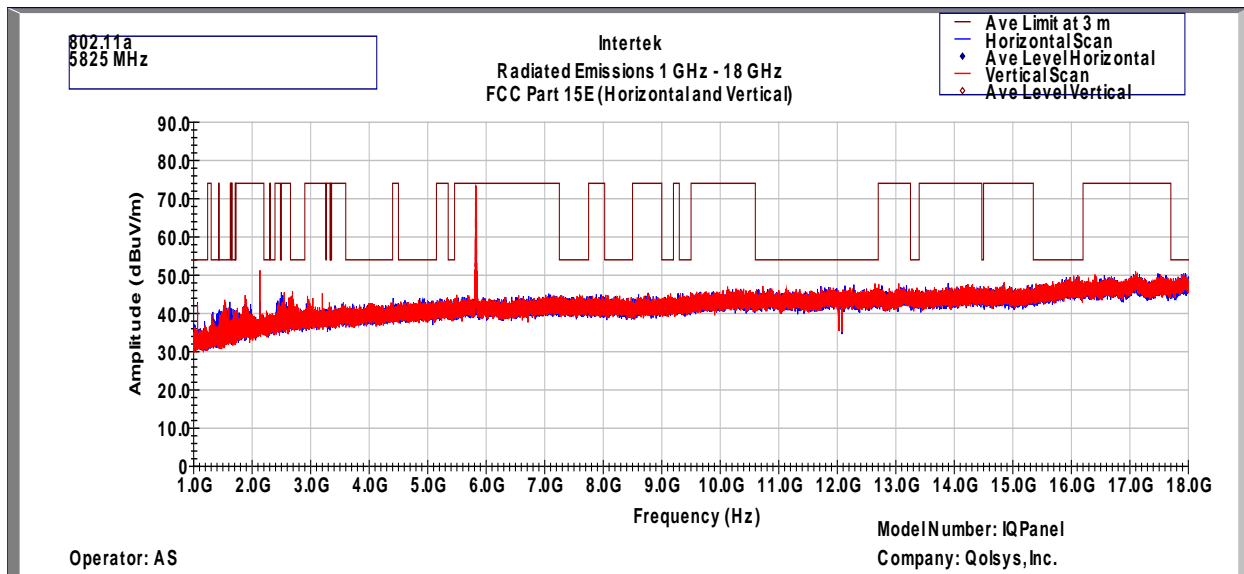
Note: FS@3m = RA + AF + CF - Preamp, (Peak)  
Corrected Peak Scans are under the Average Limit of 54.

**Test Results: 15.209 Radiated Spurious Emissions Low Channel, Tx at 802.11a 5825MHz**

Out-of-Band Radiated Spurious Emissions (Cabinet Radiation) - 30 MHz to 1000 MHz



Out-of-Band Radiated Spurious Emissions (Cabinet Radiation) - 1 GHz to 18 GHz

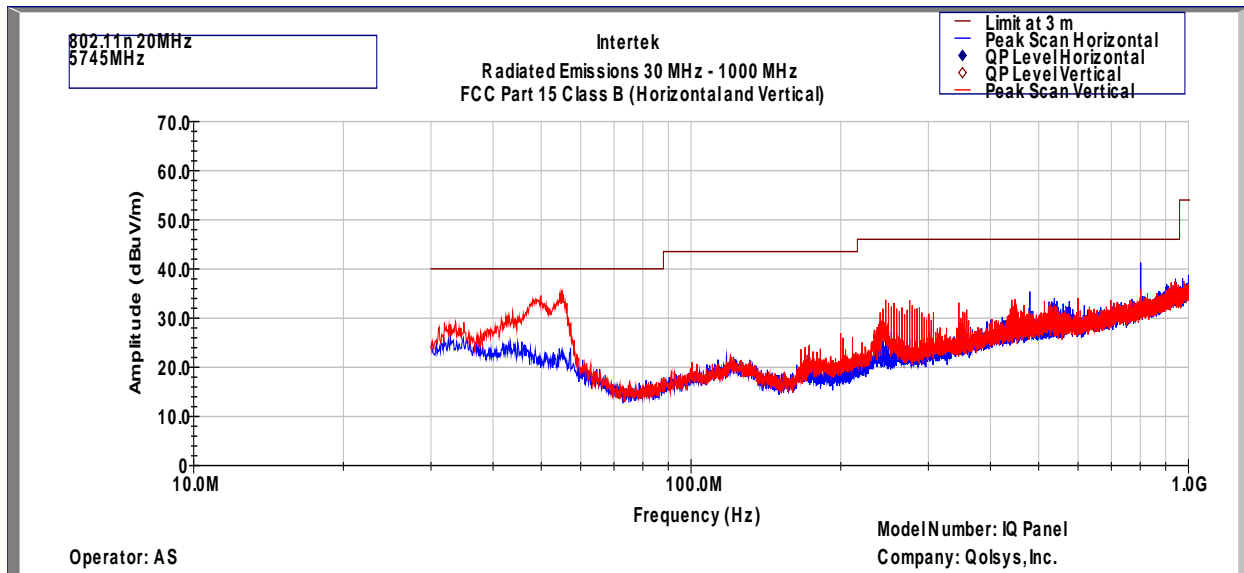


Note: Radiated emission measurements were performed up to 40GHz. No Emissions were identified when scanned from 18-40 GHz

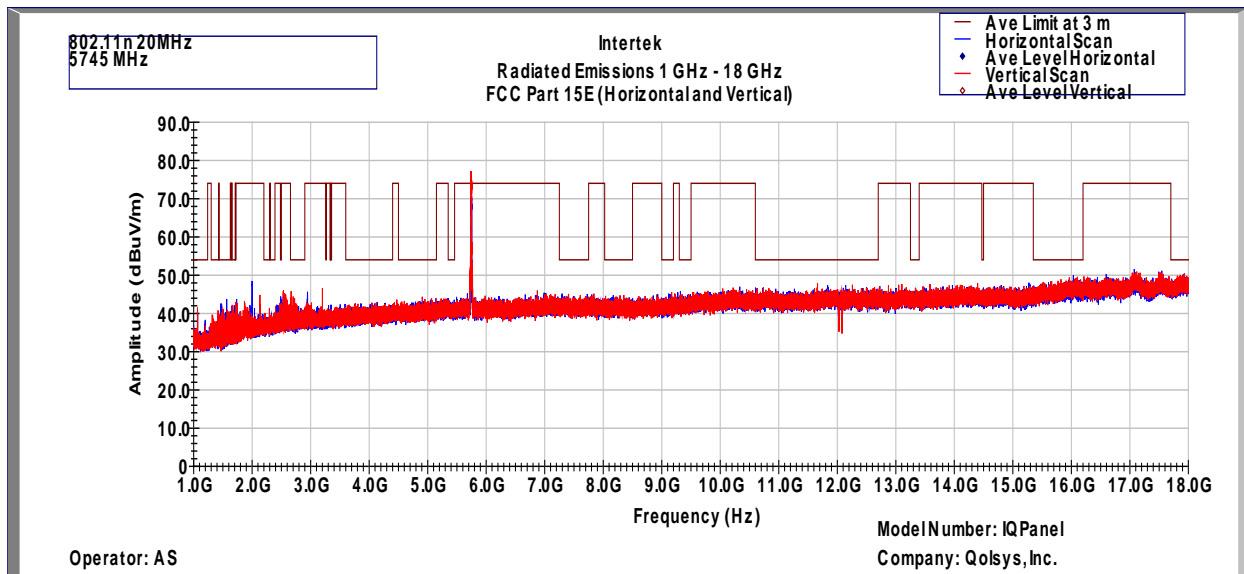
Note:  $FS@3m = RA + AF + CF - \text{Preamp, (Peak)}$   
 Corrected Peak Scans are under the Average Limit of 54.

**Test Results: 15.209 Radiated Spurious Emissions Low Channel, Tx at 802.11n 20MHz 5745MHz**

Out-of-Band Radiated Spurious Emissions (Cabinet Radiation) - 30 MHz to 1000 MHz



Out-of-Band Radiated Spurious Emissions (Cabinet Radiation) - 1 GHz to 18 GHz

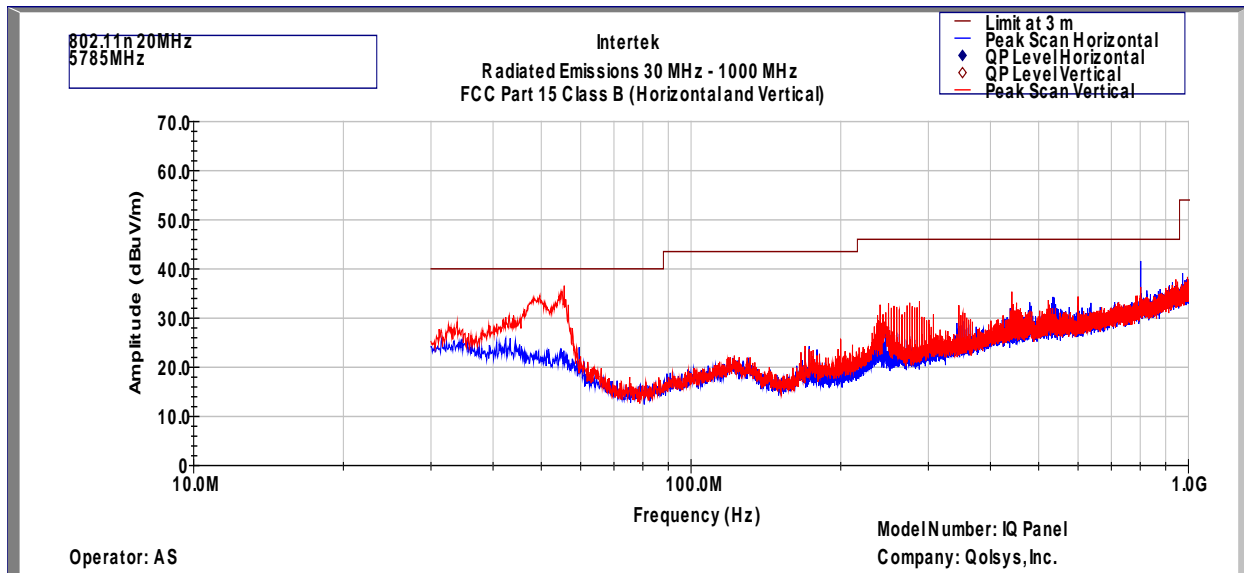


Note: Radiated emission measurements were performed up to 40GHz. No Emissions were identified when scanned from 18-40 GHz

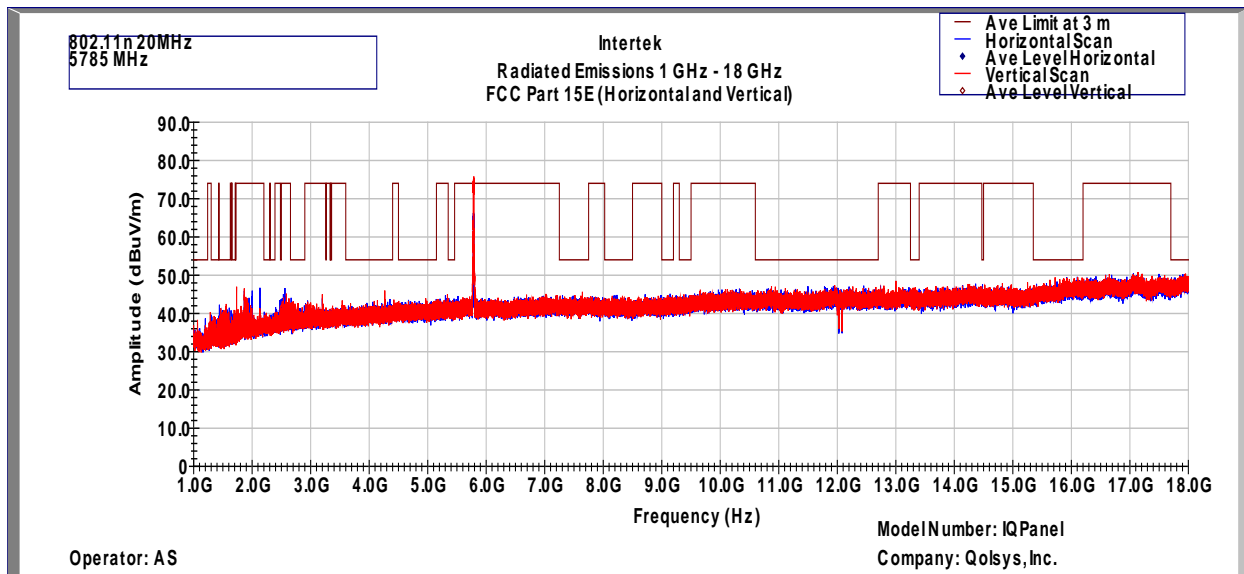
Note:  $FS@3m = RA + AF + CF - \text{Preamp, (Peak)}$   
Corrected Peak Scans are under the Average Limit of 54.

**Test Results: 15.209 Radiated Spurious Emissions Low Channel, Tx at 802.11n 20MHz 5785MHz**

Out-of-Band Radiated Spurious Emissions (Cabinet Radiation) - 30 MHz to 1000 MHz



Out-of-Band Radiated Spurious Emissions (Cabinet Radiation) - 1 GHz to 18 GHz

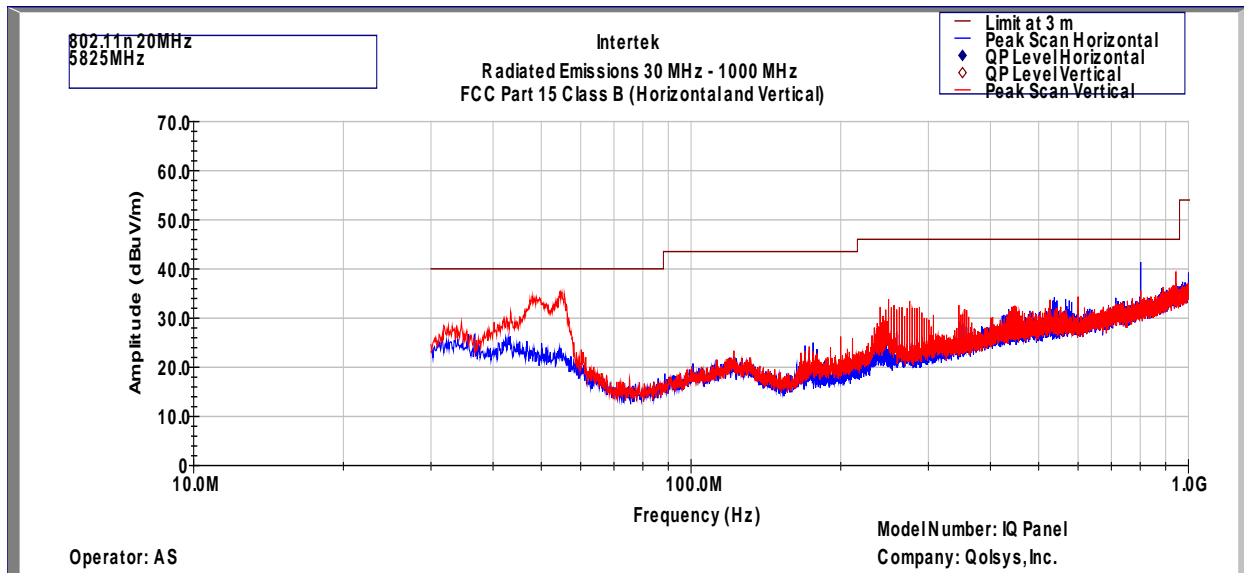


Note: Radiated emission measurements were performed up to 40GHz. No Emissions were identified when scanned from 18-40 GHz

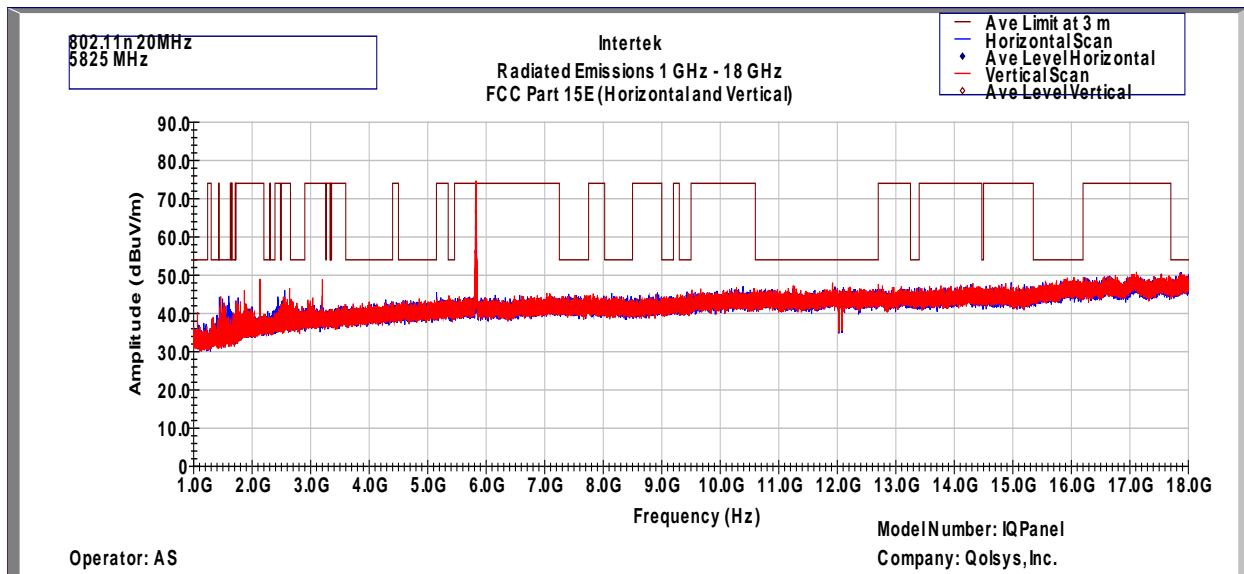
Note: FS@3m = RA + AF + CF - Preamp, (Peak)  
Corrected Peak Scans are under the Average Limit of 54.

**Test Results: 15.209 Radiated Spurious Emissions Low Channel, Tx at 802.11n 20MHz 5825MHz**

Out-of-Band Radiated Spurious Emissions (Cabinet Radiation) - 30 MHz to 1000 MHz



Out-of-Band Radiated Spurious Emissions (Cabinet Radiation) - 1 GHz to 18 GHz

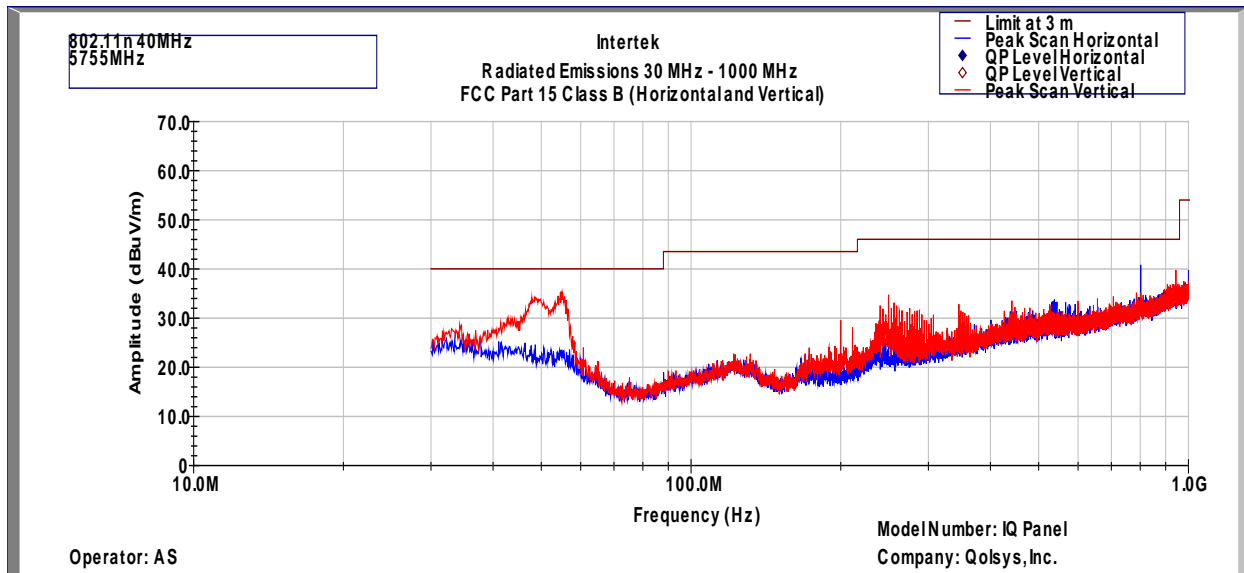


Note: Radiated emission measurements were performed up to 40GHz. No Emissions were identified when scanned from 18-40 GHz

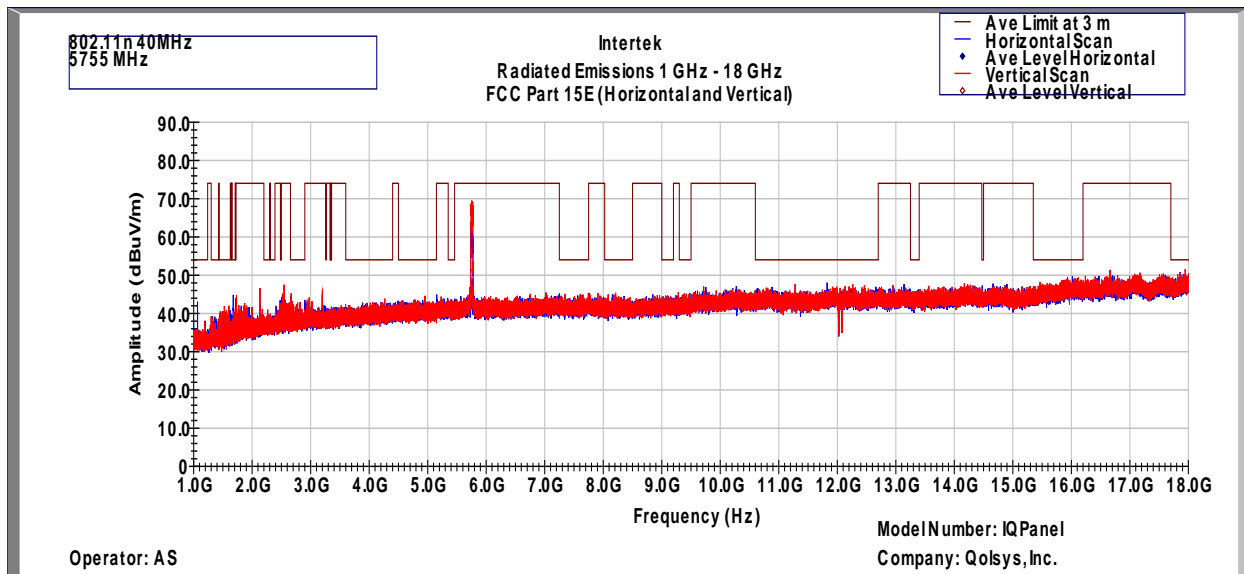
Note: FS@3m = RA + AF + CF - Preamp, (Peak)  
Corrected Peak Scans are under the Average Limit of 54.

**Test Results: 15.209 Radiated Spurious Emissions Low Channel, Tx at 802.11n 40MHz 5755MHz**

Out-of-Band Radiated Spurious Emissions (Cabinet Radiation) - 30 MHz to 1000 MHz



Out-of-Band Radiated Spurious Emissions (Cabinet Radiation) - 1 GHz to 18 GHz

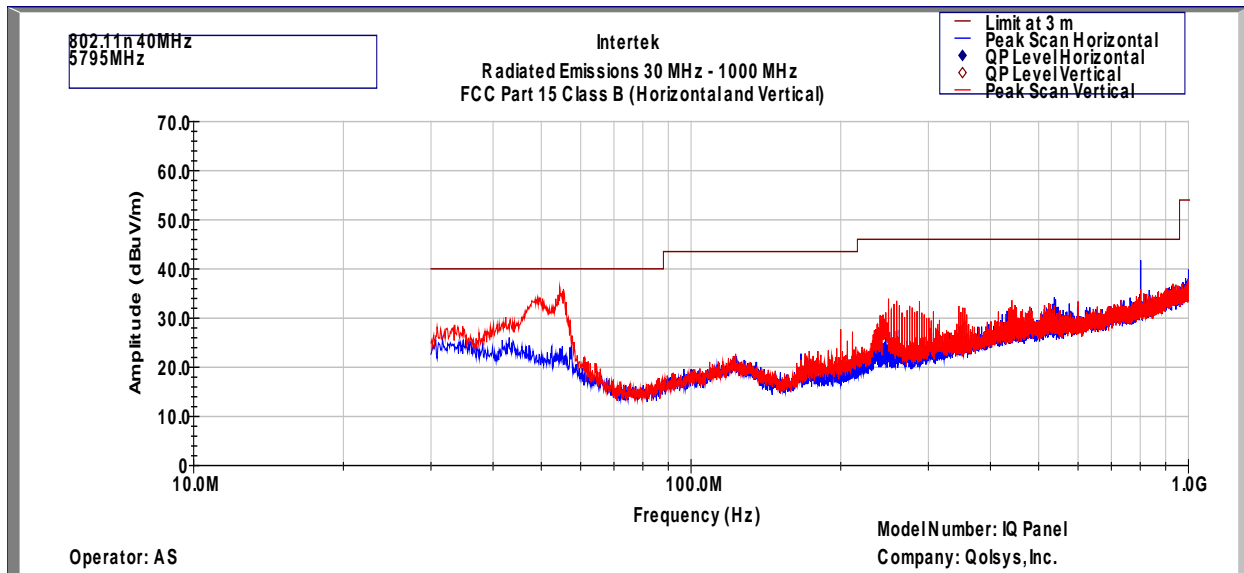


Note: Radiated emission measurements were performed up to 40GHz. No Emissions were identified when scanned from 18-40 GHz

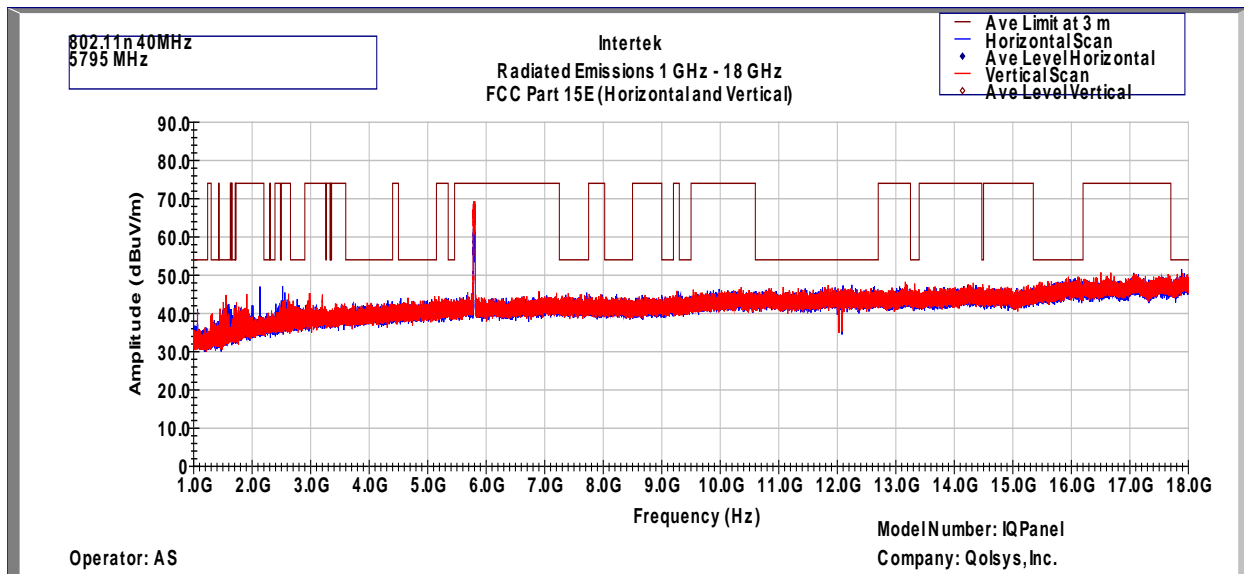
Note:  $FS@3m = RA + AF + CF - \text{Preamp, (Peak)}$   
 Corrected Peak Scans are under the Average Limit of 54.

**Test Results: 15.209 Radiated Spurious Emissions Low Channel, Tx at 802.11n 40MHz 5795MHz**

Out-of-Band Radiated Spurious Emissions (Cabinet Radiation) - 30 MHz to 1000 MHz



Out-of-Band Radiated Spurious Emissions (Cabinet Radiation) - 1 GHz to 18 GHz



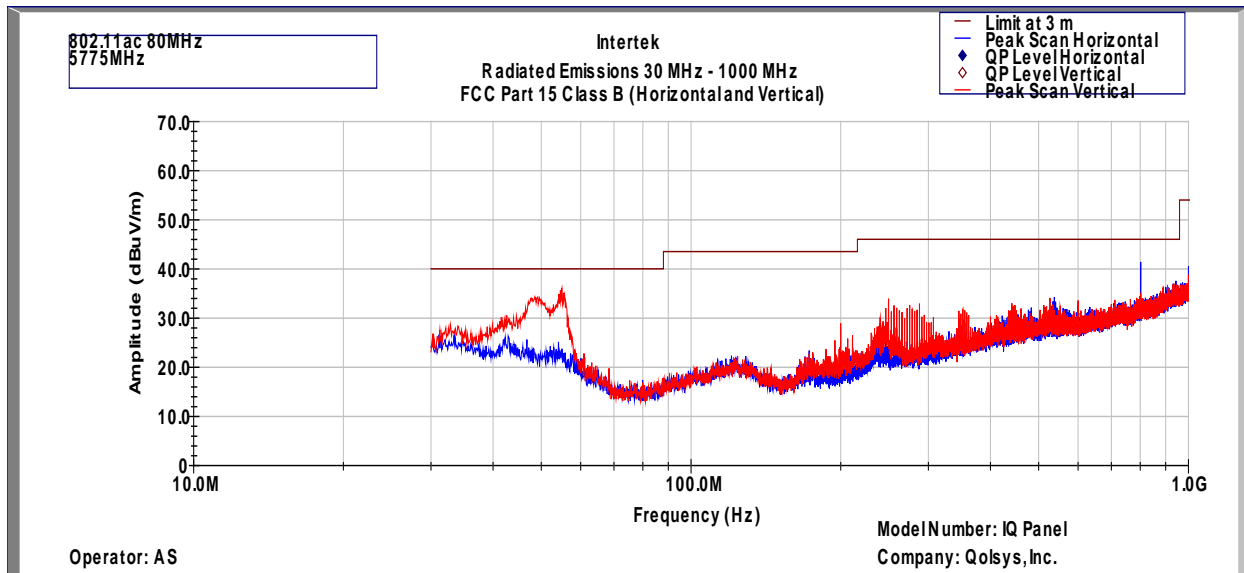
Note: Radiated emission measurements were performed up to 40GHz. No Emissions were identified when scanned from 18-40 GHz

Note:  $FS@3m = RA + AF + CF - \text{Preamp, (Peak)}$   
Corrected Peak Scans are under the Average Limit of 54.

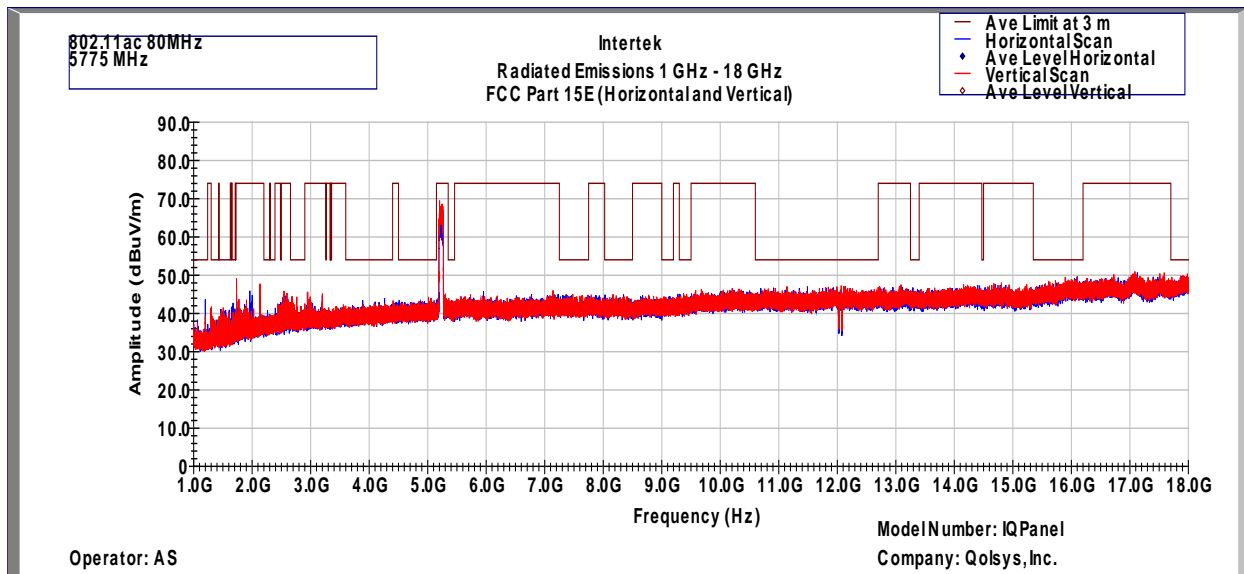


**Test Results: 15.209 Radiated Spurious Emissions Low Channel, Tx at 802.11ac 80MHz 5775MHz**

Out-of-Band Radiated Spurious Emissions (Cabinet Radiation) - 30 MHz to 1000 MHz



Out-of-Band Radiated Spurious Emissions (Cabinet Radiation) - 1 GHz to 18 GHz



Note: Radiated emission measurements were performed up to 40GHz. No Emissions were identified when scanned from 18-40 GHz

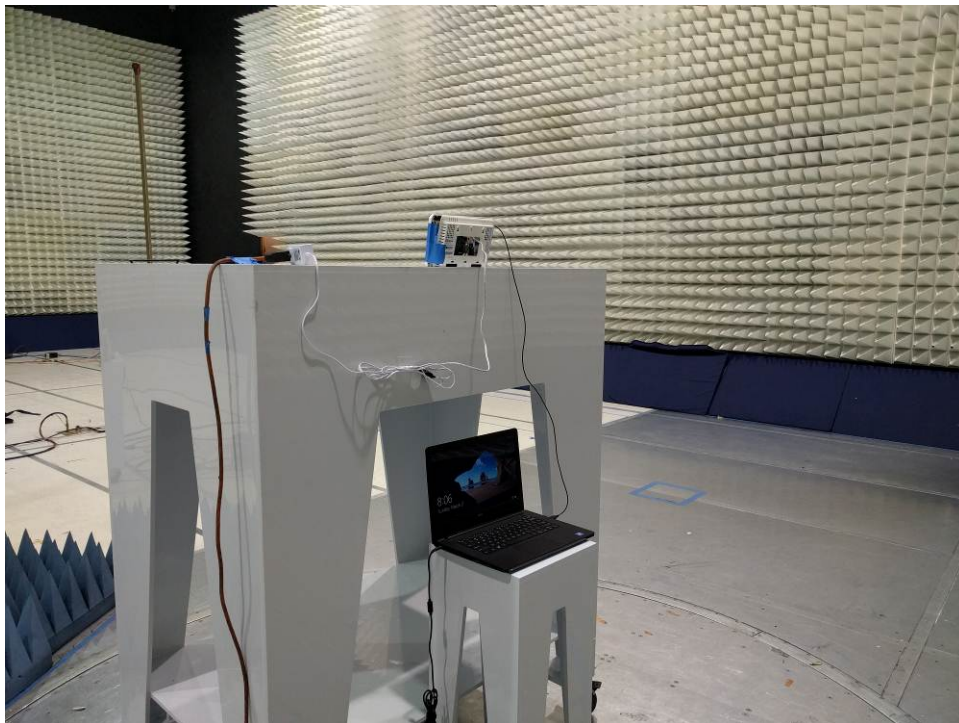
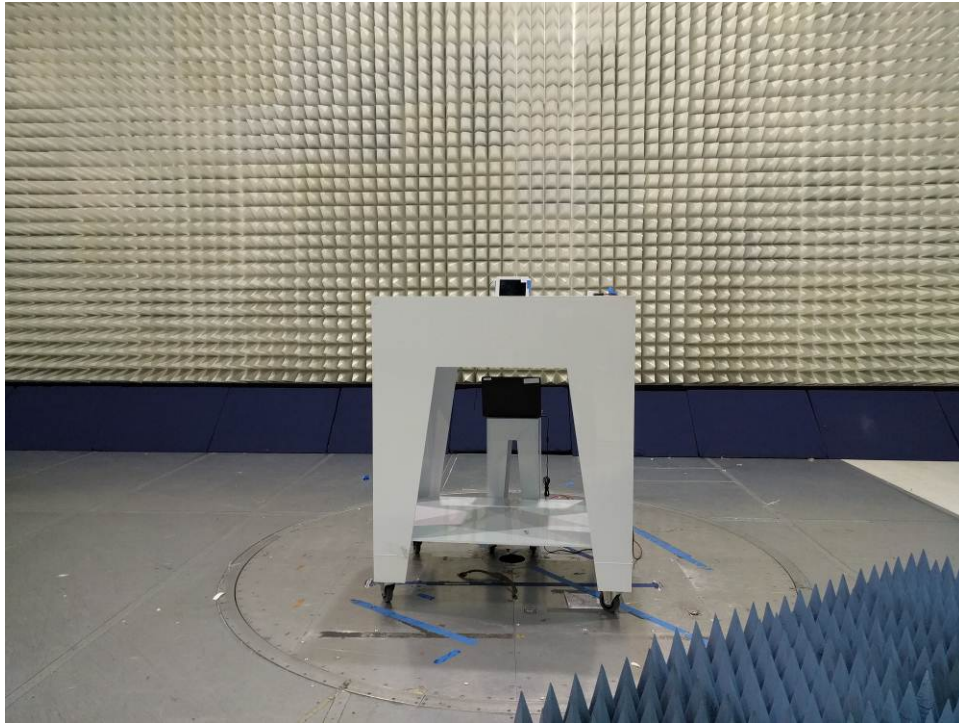
Note: FS@3m = RA + AF + CF - Preamp, (Peak)  
Corrected Peak Scans are under the Average Limit of 54.

#### 4.5.8 Test setup photographs

The following photographs show the testing configurations used.



#### 4.5.8 Test Setup Photographs



## 5.0 List of Test Equipment

Measurement equipment used for emission compliance testing utilized the equipment on the following list:

Equipment	Manufacturer	Model/Type	Asset #	Cal Int	Cal Due
EMI Receiver	Rohde and Schwarz	ESU	ITS 00961	12	06/02/16
Spectrum Analyzer	Rohde and Schwarz	FSU	ITS 00913	12	01/05/17
BI-Log Antenna	Antenna Research	LPB-2513	ITS 00355	12	08/11/16
Pyramidal Horn Antenna	EMCO	3160-09	ITS 00571	#	#
Pyramidal Horn Antenna	EMCO	3160-10	ITS 00572	#	#
Pre-Amplifier	Sonoma Instrument	310	ITS 00942	12	01/07/17
Pre-Amplifier (1-18GHz)	Miteq	AMF-4D-001180-24-10P	ITS 00526	12	10/06/16
Pre-Amplifier (18-40GHz)	Miteq	JSD44-18004000-305P	ITS 00921	12	06/18/16
Horn Antenna	EMCO	3115	ITS 01595	12	02/08/17
Horn Antenna	ETS Lindgren	3117-PA	ITS 01365	12	10/15/16
Horn Antenna	ETS Lindgren	3115	ITS 00982	12	12/16/16

# No Calibration required



## 6.0 Document History

<b>Revision/ Job Number</b>	<b>Writer Initials</b>	<b>Reviewer Initials</b>	<b>Date</b>	<b>Change</b>
1.0 / G102374971	AS	KV	March 29, 2016	Original document