



# **CERTIFICATION TEST REPORT**

**Report Number. : 12997184-E2V2**

**Applicant :** AMI Global  
6280 S. Valley View #212  
Las Vegas, NV 89118, USA

**Model :** ENTX2000-0025

**FCC ID :** 2AQ9C-EDGE-Q419

**EUT Description :** EDGE SENSOR

**Test Standard(s) :** FCC 47 CFR PART 15 SUBPART C

**Date Of Issue:**  
October 31, 2019

**Prepared by:**  
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## REPORT REVISION HISTORY

Rev.	Issue Date	Revisions	Revised By
V1	10/28/2019	Initial Issue	--
V2	10/31/2019	Updated xyz statement and kdb reference	Tri Pham

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## 1. ATTESTATION OF TEST RESULTS

**COMPANY NAME:** AMI Global  
6280 S. Valley View #212  
Las Vegas, NV 89118, USA

**EUT DESCRIPTION:** EDGE Sensor

**MODEL:** ENTX2000-0025

**SERIAL NUMBER:** RADIATED: 40000  
CONDUCTED: 40001

**DATE TESTED:** September 30, 2019 –October 10, 2019

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
CFR 47 Part 15 Subpart C	Complies

UL Verification Services Inc. tested the above equipment in accordance with the requirements set forth in the above standards. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. It is the manufacturer's responsibility to assure that additional production units of this model are manufactured with identical electrical and mechanical components. All samples tested were in good operating condition throughout the entire test program. Measurement Uncertainties are published for informational purposes only and were not taken into account unless noted otherwise.

This document may not be altered or revised in any way unless done so by UL Verification Services Inc. and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL Verification Services Inc. will constitute fraud and shall nullify the document. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, any agency of the Federal Government, or any agency of the U.S. government.

Approved & Released For  
UL Verification Services Inc. By:



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Frank Ibrahim  
Operations Leader  
Consumer Technology Division  
UL Verification Services Inc.

Prepared By:



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Tri Pham  
Project Engineer  
Consumer Technology Division  
UL Verification Services Inc.

## 2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with FCC CFR 47 Part 2, FCC CFR 47 Part 15, ANSI C63.10-2013, KDB 558074 D01 15.247 Meas Guidance v05r02.

## 3. FACILITIES AND ACCREDITATION

The test sites and measurement facilities used to collect data are located at 47173 and 47266 Benicia Street, and 47658 Kato Road, Fremont, California, USA. Line conducted emissions are measured only at the 47173 address. The following table identifies which facilities were utilized for radiated emission measurements documented in this report. Specific facilities are also identified in the test results sections.

47173 Benicia Street	47266 Benicia Street	47658 Kato Rd
<input type="checkbox"/> Chamber A	<input type="checkbox"/> Chamber D	<input checked="" type="checkbox"/> Chamber I
<input type="checkbox"/> Chamber B	<input type="checkbox"/> Chamber E	<input type="checkbox"/> Chamber J
<input type="checkbox"/> Chamber C	<input type="checkbox"/> Chamber F	<input checked="" type="checkbox"/> Chamber K
	<input type="checkbox"/> Chamber G	<input type="checkbox"/> Chamber L
	<input type="checkbox"/> Chamber H	<input type="checkbox"/> Chamber M

The above test sites and facilities are covered under FCC Test Firm Registration # 208313. Chambers above are covered under Industry Canada company address and respective code: 2324A.

UL Verification Services Inc. is accredited by NVLAP, Laboratory Code 200065-0

## 4. CALIBRATION AND UNCERTAINTY

### 4.1. MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations and is traceable to recognized national standards.

### 4.2. SAMPLE CALCULATION

#### RADIATED EMISSIONS

Where relevant, the following sample calculation is provided:

Field Strength (dBuV/m) = Measured Voltage (dBuV) + Antenna Factor (dB/m) + Cable

Loss (dB) – Preamp Gain (dB)

36.5 dBuV + 18.7 dB/m + 0.6 dB – 26.9 dB = 28.9 dBuV/m

#### MAINS CONDUCTED EMISSIONS

Where relevant, the following sample calculation is provided:

Final Voltage (dBuV) = Measured Voltage (dBuV) + Cable Loss (dB) + Limiter Factor (dB) + LISN Insertion Loss.

36.5 dBuV + 0 dB +10.1 dB+ 0 dB = 46.6 dBuV

### 4.3. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

PARAMETER	UNCERTAINTY
Worst Case Conducted Disturbance, 9KHz to 0.15 MHz	3.84 dB
Worst Case Conducted Disturbance, 0.15 to 30 MHz	3.65 dB
Worst Case Radiated Disturbance, 9KHz to 30 MHz	2.52 dB
Worst Case Radiated Disturbance, 30 to 1000 MHz	4.88 dB
Worst Case Radiated Disturbance, 1000 to 18000 MHz	4.24 dB
Worst Case Radiated Disturbance, 18000 to 26000 MHz	4.37 dB
Worst Case Radiated Disturbance, 26000 to 40000 MHz	5.17 dB

Uncertainty figures are valid to a confidence level of 95%.

## 5. EQUIPMENT UNDER TEST

### 5.1. EUT DESCRIPTION

The EUT is an EDGE sensor.

### 5.2. MAXIMUM OUTPUT POWER

The transmitter has a maximum conducted output power as follows:

#### 900MHz Band

Frequency Range (MHz)	Mode	Output Power (dBm)	Output Power (mW)
<b>1Tx</b>			
902-928	OQPSK	19.44	87.90

### 5.3. DESCRIPTION OF AVAILABLE ANTENNAS

The radio utilizes an PCB antenna, with a maximum gain of 2.5 dBi.

### 5.4. SOFTWARE AND FIRMWARE

The test utility software used during testing was Edge FCC Tester, version 06-Aug-2019.

### 5.5. WORST-CASE CONFIGURATION AND MODE

EUT is operated by batteries only.

The EUT was investigated in three orthogonal orientations X, Y and Z. It was determined that X (Flatbed) orientation was the worst-case orientation.

Radiated emissions below 30MHz were performed with the EUT set to transmit at the channel with highest output power as worst-case scenario.

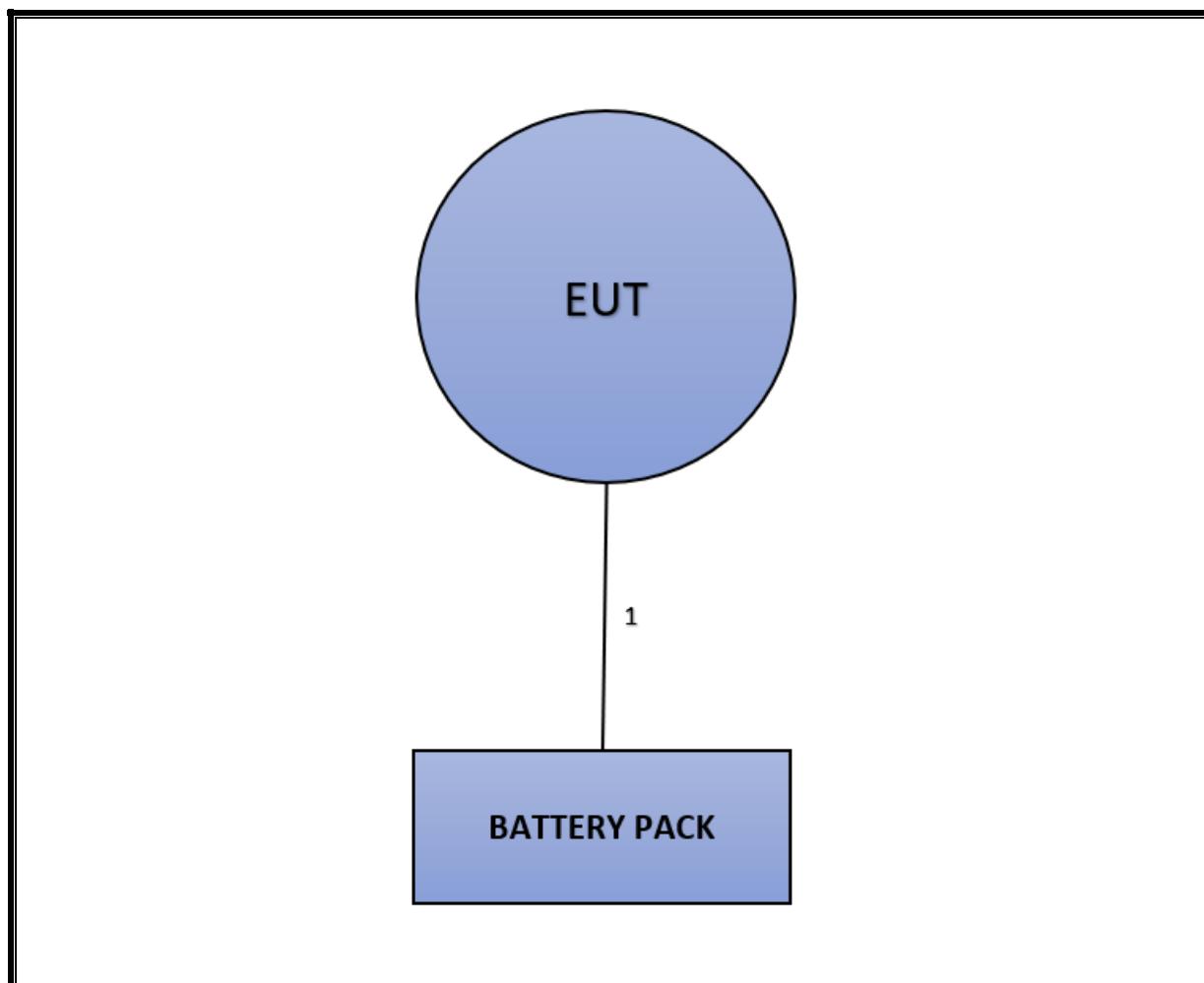
Radiated emissions from 30MHz to 18GHz were performed with the EUT set to transmit at low middle and high channels.

## 5.6. DESCRIPTION OF TEST SETUP

### TEST SETUP

The EUT is connected to a test laptop during the tests. Test software exercised the radio card.

### TEST SETUP DIAGRAM



## 6. MEASUREMENT METHOD

On Time and Duty Cycle: ANSI C63.10 Subclause -11.6.

6 dB BW: ANSI C63.10 Subclause -11.8.1

Occupied BW (99%): ANSI C63.10-2013 Section 6.9.3

Output Power: ANSI C63.10 Subclause -11.9.1.3    Method PKPM1 Peak-reading power meter

PSD: ANSI C63.10 Subclause -11.10.2    Method PKPSD (peak PSD)

Radiated emissions non-restricted frequency bands: ANSI C63.10 Subclause -11.11

Radiated emissions restricted frequency bands: ANSI C63.10 Subclause -11.12.1

Conducted emissions in restricted frequency bands: ANSI C63.10 Subclause -11.12.2

Radiated Spurious Emissions Below 30MHz: ANSI C63.10-2013 Section 6.4

## 7. TEST AND MEASUREMENT EQUIPMENT

The following test and measurement equipment were utilized for the tests documented in this report:

TEST EQUIPMENT LIST					
Description	Manufacturer	Model	ID Num	Cal Due	Last Cal
Antenna, Passive Loop 30Hz to 1MHz	ELETRO METRICS	EM-6871	PRE0179465	05/31/2020	05/31/2019
Antenna, Passive Loop 100kHz to 30MHz	ELETRO METRICS	EM-6872	PRE0179467	05/31/2020	05/31/2019
Horn Antenna 1-18GHz	ETS-Lindgren	3117	T862	06/06/2020	06/06/2019
Amplifier, 1 to18GHz	MITEQ	AFS42-00101800-25-S-42	PRE0181078	08/24/2020	08/24/2019
Horn Antenna 1-18GHz	ETS-Lindgren	3117	T344	05/07/2020	05/07/2019
Amplifier, 1 to18GHz	AMPLICAL	AMP1G18-35	T1569	05/04/2020	05/04/2019
Antenna, Broadband Hybrid, 30MHz to 3GHz	Sunol Sciences Corp.	JB3	PRE0184971	11/13/2019	11/13/2018
Amplifier, 9kHz to 1GHz, 32 dB	Sonoma Instrument	310	PRE0180175	06/29/2020	06/29/2019
Power Meter, P-series single channel	Agilent (Keysight) Technologies	N1911A	T1265	01/29/2020	01/29/2019
Power Sensor, P-series, 50MHz to 18GHz, Wideband	Agilent (Keysight) Technologies	N1921A	T1227	02/05/2020	02/05/2019
EMI Test Receiver	Rohde & Schwarz	ESW44	PRE0179376	02/14/2020	02/14/2019
EMI Test Receiver	Rohde & Schwarz	ESW44	PRE0179372	02/14/2020	02/14/2019
Spectrum Analyzer, PSA, 3Hz to 26.5GHz	Agilent (Keysight) Technologies	E4440A	T200	01/28/2020	01/28/2019
Test Software List					
Radiated Software	UL	UL EMC	Ver 9.5, June 15, 2019		
Antenna Port Software	UL	UL RF	Ver 10.0.1, July 23, 2019		
AC Line Conducted Software	UL	UL EMC	Ver 9.5, May 26, 2015		

## 8. ANTENNA PORT TEST RESULTS (OQPSK MODULATION)

### 8.1. ON TIME AND DUTY CYCLE

#### LIMITS

None; for reporting purposes only.

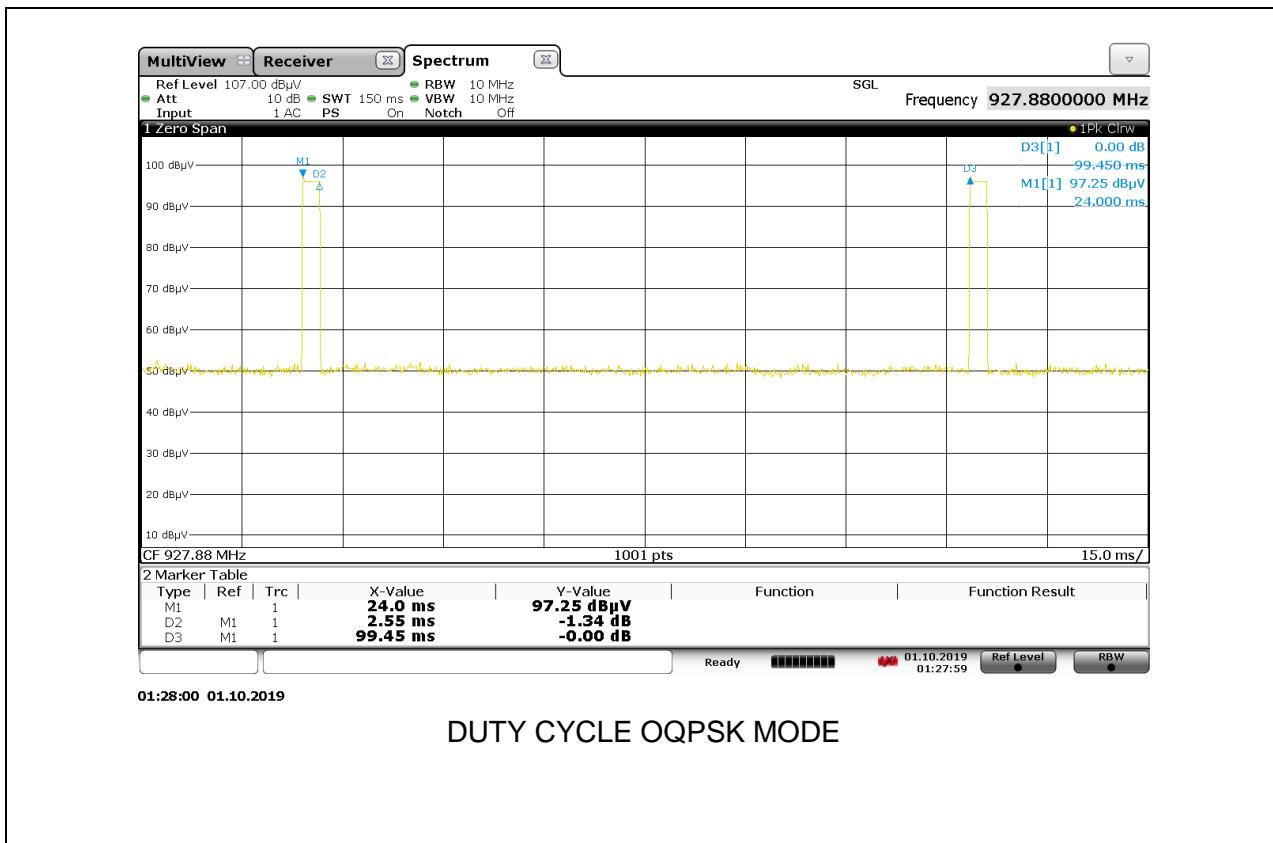
#### PROCEDURE

KDB 558074 Zero-Span Spectrum Analyzer Method.

#### ON TIME AND DUTY CYCLE RESULTS

Mode	ON Time B (msec)	Period (msec)	Duty Cycle x (linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/B Minimum VBW (kHz)
<b>900MHz Band</b>						
OQPSK	2.550	99.450	0.026	2.56%	15.91	0.392

DUTY CYCLE PLOTS



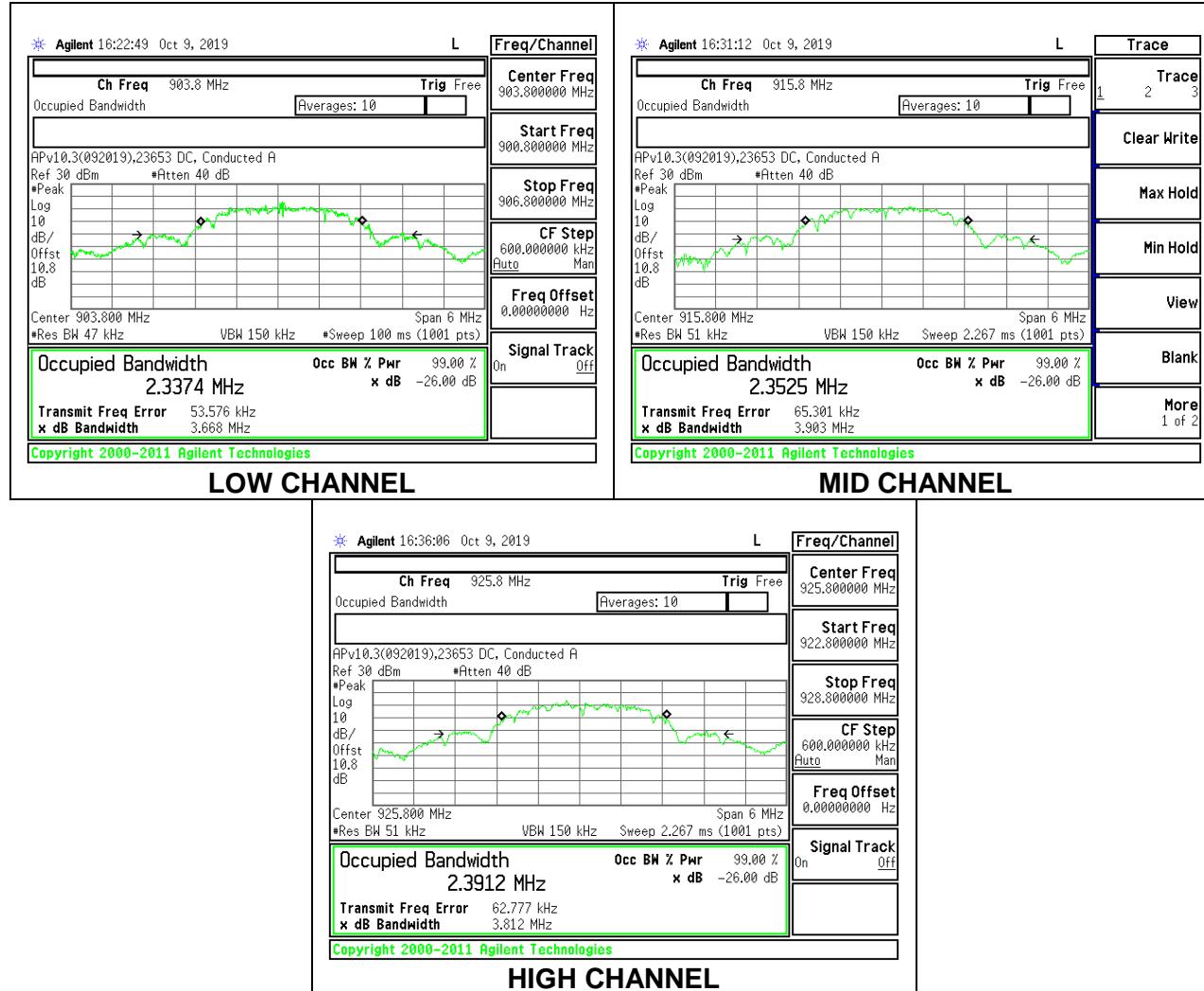
## 8.2. 99% BANDWIDTH

### LIMITS

None; for reporting purposes only.

### RESULTS

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	903.8	2.3374
Middle	915.8	2.3525
High	925.8	2.3912



### 8.3. 6 dB BANDWIDTH

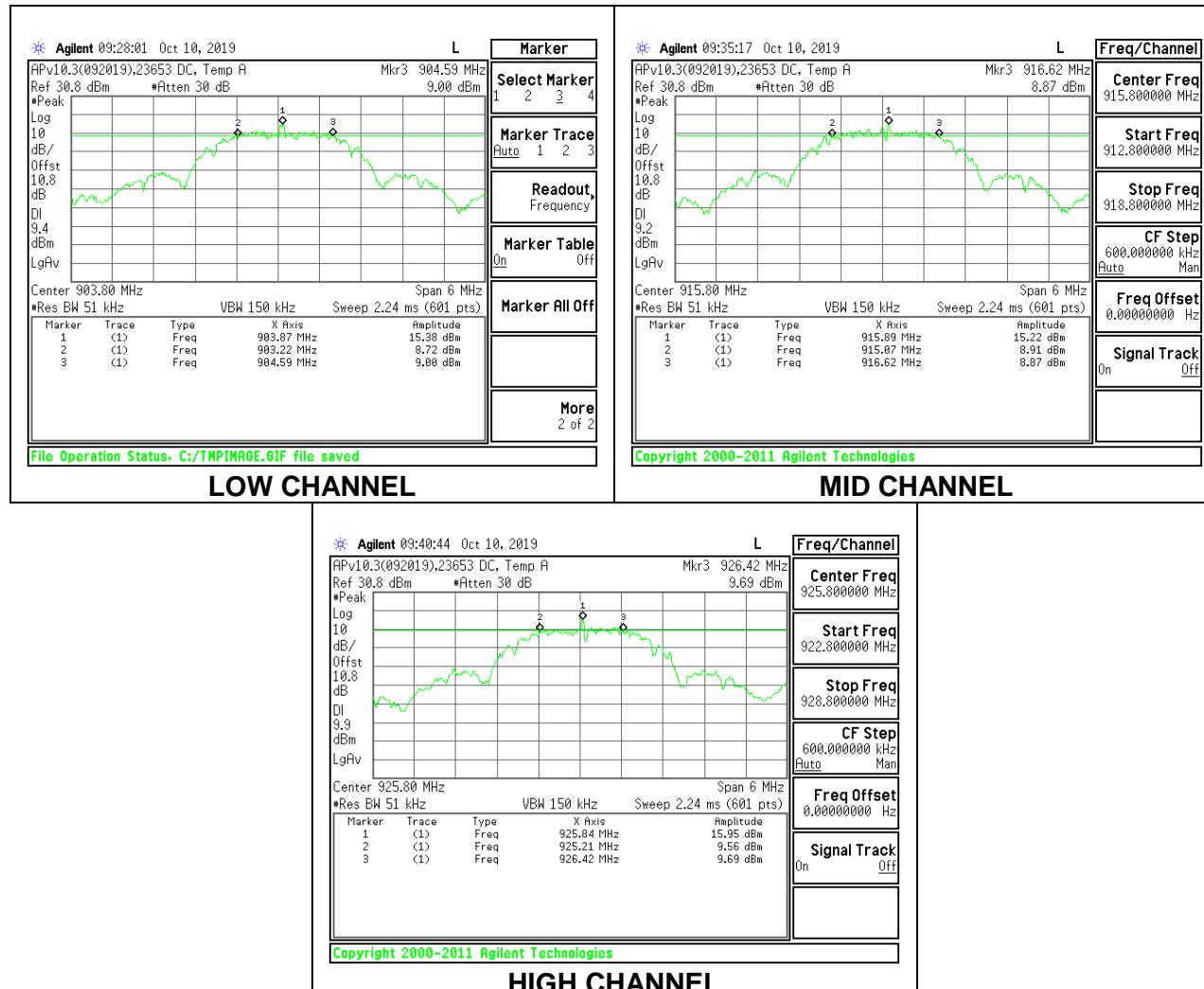
#### LIMITS

FCC §15.247 (a) (2)

The minimum 6 dB bandwidth shall be at least 500 kHz.

#### RESULTS

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	903.8	1.370	0.5
Middle	915.8	1.550	0.5
High	925.8	1.210	0.5



## 8.4. OUTPUT POWER

### LIMITS

FCC §15.247 (b) (3)

For systems using digital modulation in the 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz bands: 1 Watt, based on the use of antennas with directional gains that do not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

**DIRECTIONAL ANTENNA GAIN**

For 1 TX:

There is only one transmitter output therefore the directional gain is equal to the antenna gain.

**RESULTS**

<b>Tested By:</b>	23653 DC
<b>Date:</b>	10/10/2019

<b>Channel</b>	<b>Frequency (MHz)</b>	<b>Peak Power Reading (dBm)</b>	<b>Limit (dBm)</b>	<b>Margin (dB)</b>
Low	903.8	19.44	30	-10.560
Middle	915.8	19.37	30	-10.630
High	925.8	19.27	30	-10.730

## 8.5. POWER SPECTRAL DENSITY

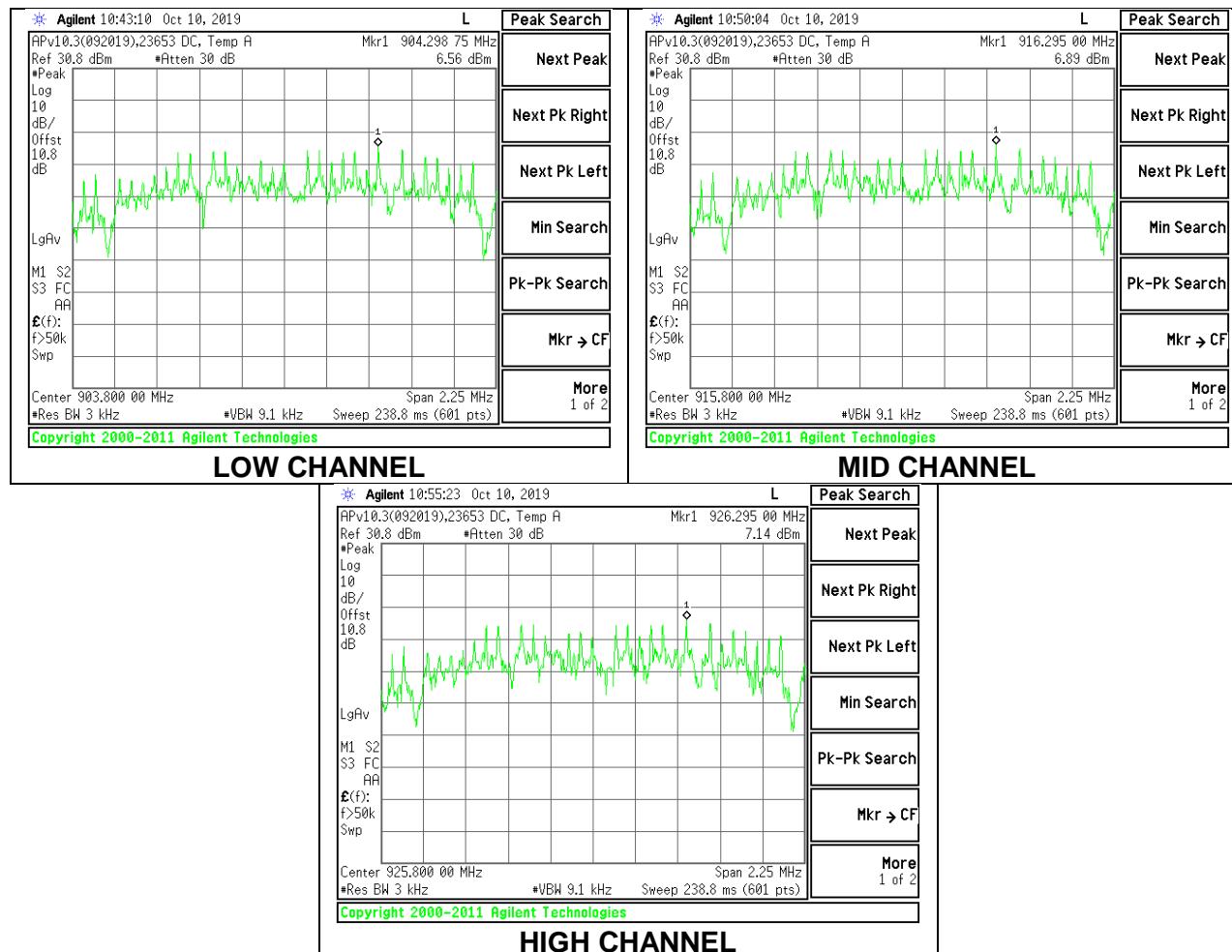
### LIMITS

FCC §15.247 (e)

The power spectral density conducted from the transmitter to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

### RESULTS

Channel	Frequency (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Margin (dB)
Low	903.8	6.56	8	-1.44
Middle	915.8	6.89	8	-1.11
High	925.8	7.14	8	-0.86



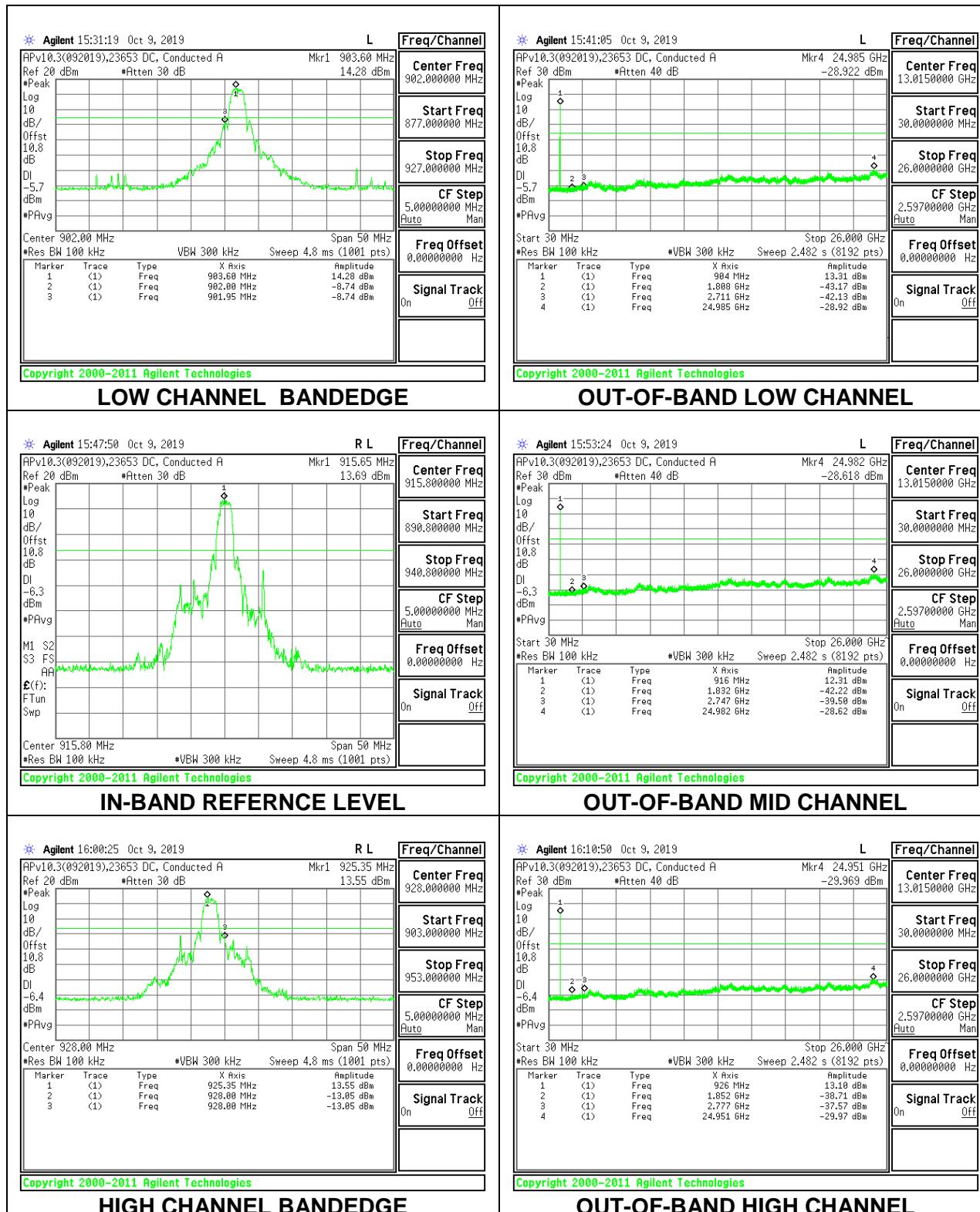
## 8.6. CONDUCTED SPURIOUS EMISSIONS

### LIMITS

FCC §15.247 (d)

Output power was measured based on the use of peak measurement, therefore the required attenuation is 20 dB.

### RESULTS



## 9. RADIATED TEST RESULTS (OQPSK MODULATION)

### LIMITS

FCC §15.205 and §15.209

Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m
0.009-0.490	2400/F(kHz) @ 300 m	-
0.490-1.705	24000/F(kHz) @ 30 m	-
1.705 - 30	30 @ 30m	-
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

### KDB 414788 Open Field Site(OFS) and Chamber Correlation Justification

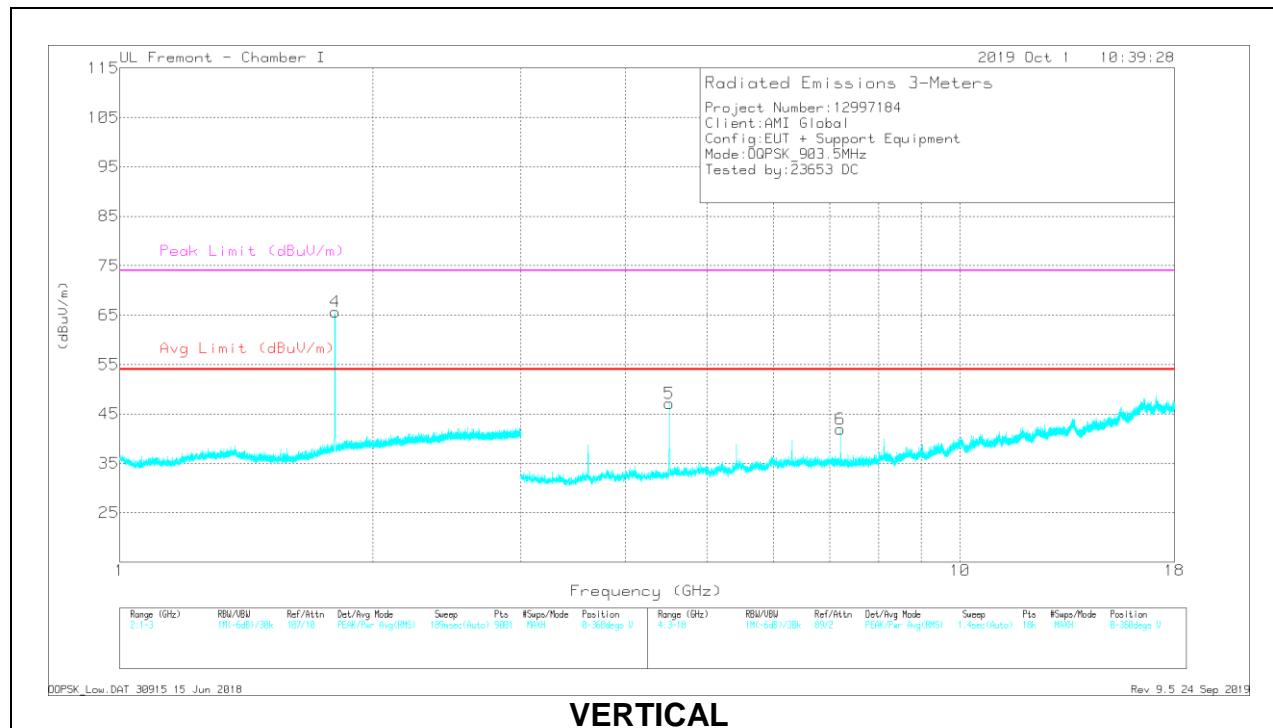
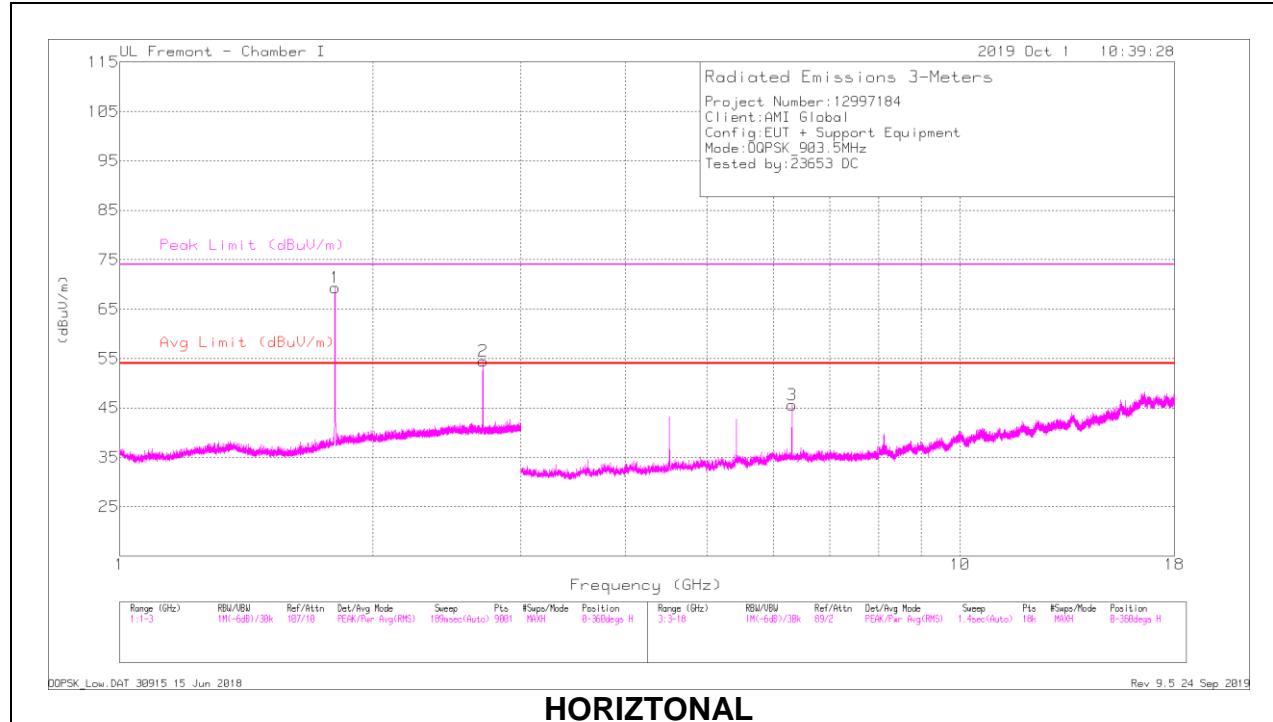
Base on FCC 15.31 (f) (2): measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field.

OFS and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

## 9.1. TRANSMITTER ABOVE 1 GHz

### HARMONICS AND SPURIOUS EMISSIONS

#### LOW CHANNEL RESULTS



#### RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Filter Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
**2	* 2.708	53.97	PK2	32.5	-22.8	1	64.67	-	-	74	-9.33	18	102	H
			Avg				48.76	54	-5.24					
**5	* 2.708	49.26	PK2	32.5	-22.8	1	59.96	-	-	74	-14.04	333	242	V
			Avg				44.05	54	-9.95					
**3	* 3.611	47.56	PK2	33	-29.3	1	52.26	-	-	74	-21.74	359	127	H
			Avg				36.36	54	-17.65					
**7	* 5.416	53.38	PK2	34.7	-26.8	1	61.6	-	-	74	-12.72	6	104	H
			Avg				45.43	54	-8.57					
**6	* 5.416	54.06	PK2	34.7	-26.8	1	62.28	-	-	74	-11.72	39	107	V
			Avg				46.37	54	-7.63					
**1	1.80475	67.27	PK2	30	-25.8	1	72.47	-	-	-	-	208	181	H
**4	1.80267	70.11	PK2	30	-25.8	1	75.31	-	-	-	-	8	302	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

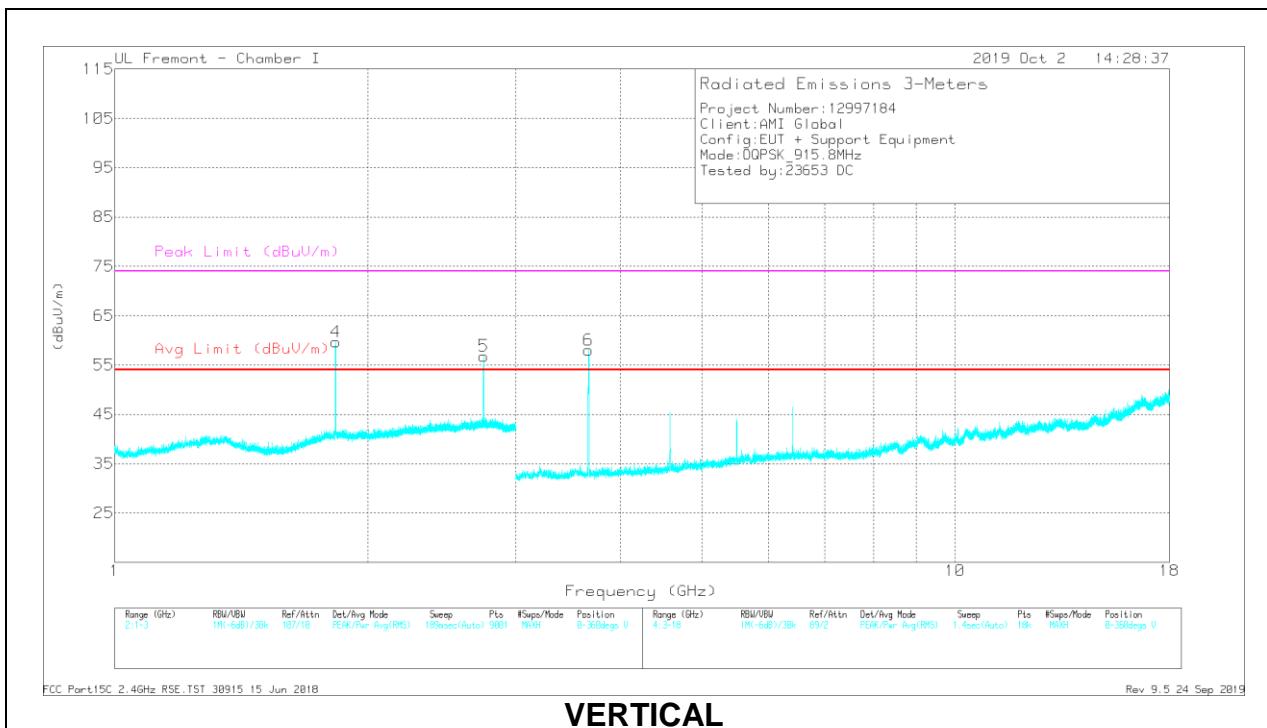
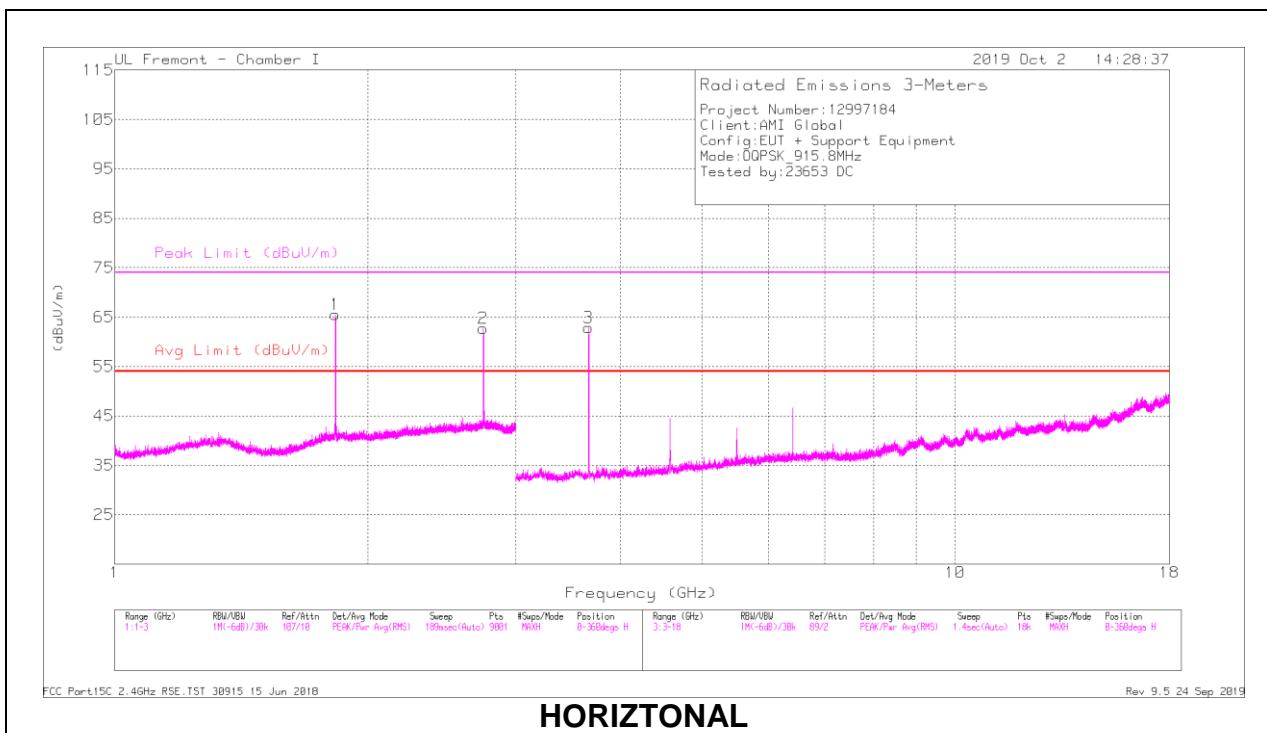
Avg – Average detector

Average Reading = Peak Reading (dBuV/m) + 20log (Duty Cycle), Where Duty Cycle is -15.91dB

Refer to section 8.1 for duty cycle factor calculation (-15.91dB)

\*\* Harmonics of fundamental 903.5MHz

## MID CHANNEL RESULTS



## RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cb/Filt/P ad (dB)	Filter Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
**2	* 2.74599	54.86	PK2	32.4	-19.1	1	69.16	-	-	74	-4.84	283	379	H
			Avg				53.25	54	-75	-	-	283	379	H
**5	* 2.7492	52.91	PK2	32.4	-19.1	1	67.21	-	-	74	-6.79	215	267	V
			Avg				51.3	54	-2.7	-	-	215	267	V
**3	* 3.66572	63.88	PK2	32.9	-28.2	1	69.58	-	-	74	-4.42	277	296	H
			Avg				53.67	54	-33	-	-	277	296	H
**6	* 3.6655	58.67	PK2	32.9	-28.2	1	64.37	-	-	74	-9.63	321	160	V
			Avg				48.46	54	-5.54	-	-	321	160	V
1	1.83067	64.67	PK2	30.6	-20.1	1	76.17	-	-	-	-	193	351	H
4	1.83067	56.58	PK2	30.6	-20.1	1	68.08	-	-	-	-	314	334	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

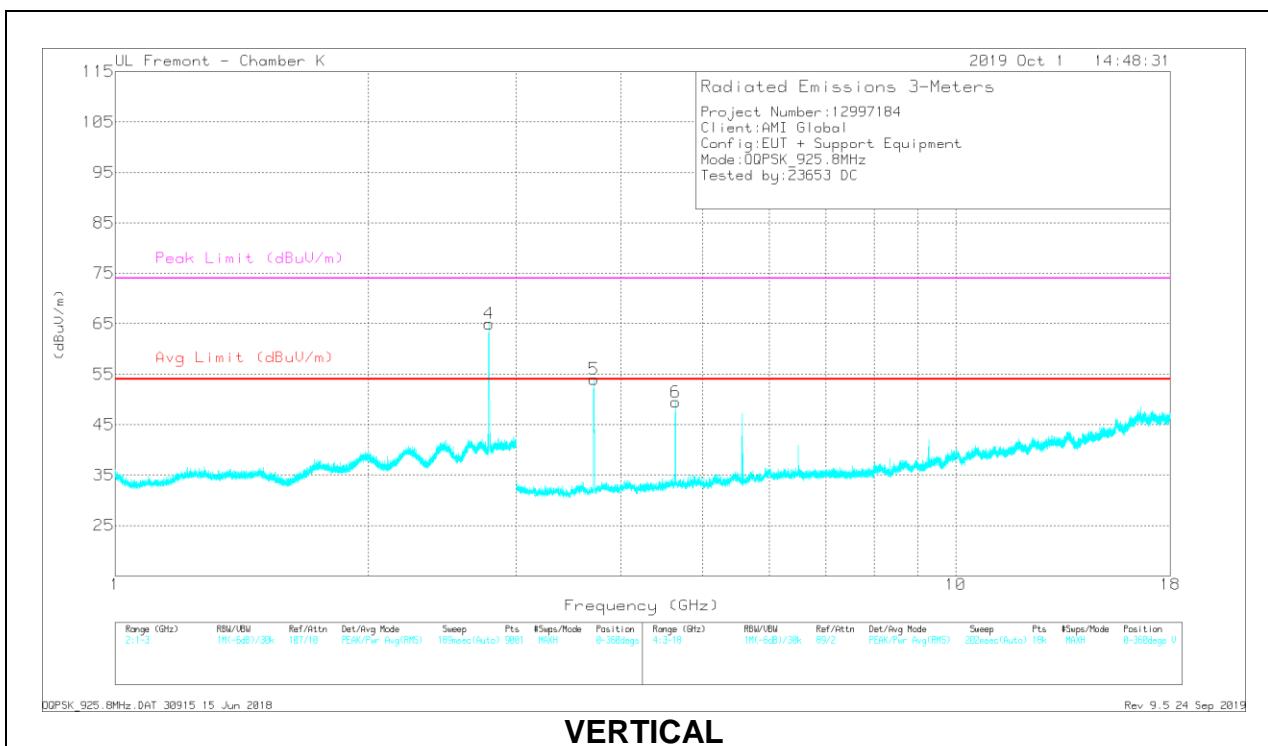
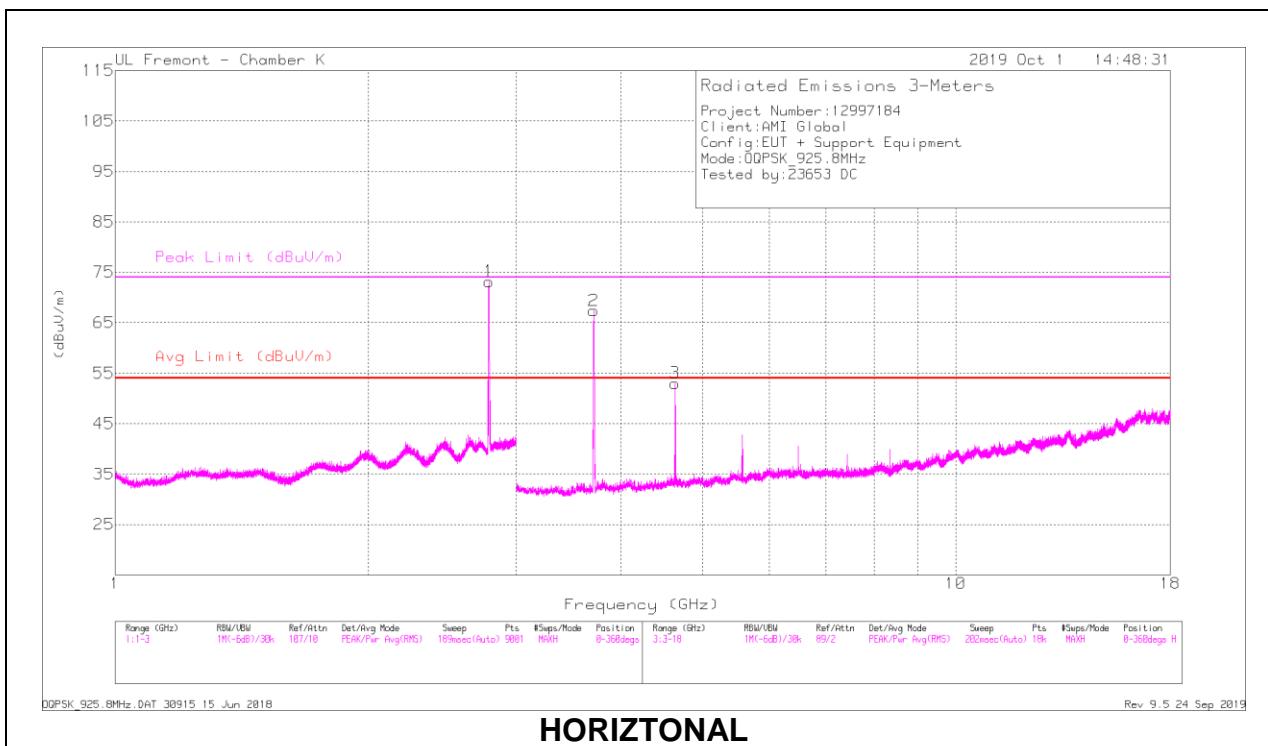
Avg – Average detector

Average Reading = Peak Reading (dBuV/m) + 20log (Duty Cycle), Where Duty Cycle is -15.91dB

Refer to section 8.1 for duty cycle factor calculation (-15.91dB)

\*\* Harmonics of fundamental 915.8MHz

## HIGH CHANNEL RESULTS



## RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cb/Filt/P ad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
**1	* 2.7852	44.18	PK2	32.3	-25.2	1	52.28	-	-	74	-21.72	214	330	H
			Avg			-	36.37	54	-17.36	-	-	214	330	H
**4	* 2.78207	61.5	PK2	32.3	-25.2	1	69.6	-	-	74	-4.4	294	284	V
			Avg			-	53.69	54	-.37	-	-	294	284	V
**2	* 3.70922	67.1	PK2	33.2	-32.8	1	68.5	-	-	74	-5.5	0	148	H
			Avg			-	52.59	54	-1.41	-	-	0	148	H
**3	* 4.63674	57.85	PK2	34.2	-30.9	1	62.15	-	-	74	-11.85	159	325	H
			Avg			-	46.24	54	-7.76	-	-	159	325	H
**5	* 3.71356	68.21	PK2	33.2	-32.8	1	69.61	-	-	74	-4.39	303	344	V
			Avg			-	53.7	54	-.3	-	-	303	344	V
**6	* 4.64191	55.28	PK2	34.2	-30.8	1	59.68	-	-	74	-14.32	270	226	V
			Avg			-	43.77	54	-10.23	-	-	270	226	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

Avg – Average detector

Average Reading = Peak Reading (dBuV/m) + 20log (Duty Cycle), Where Duty Cycle is -15.91dB

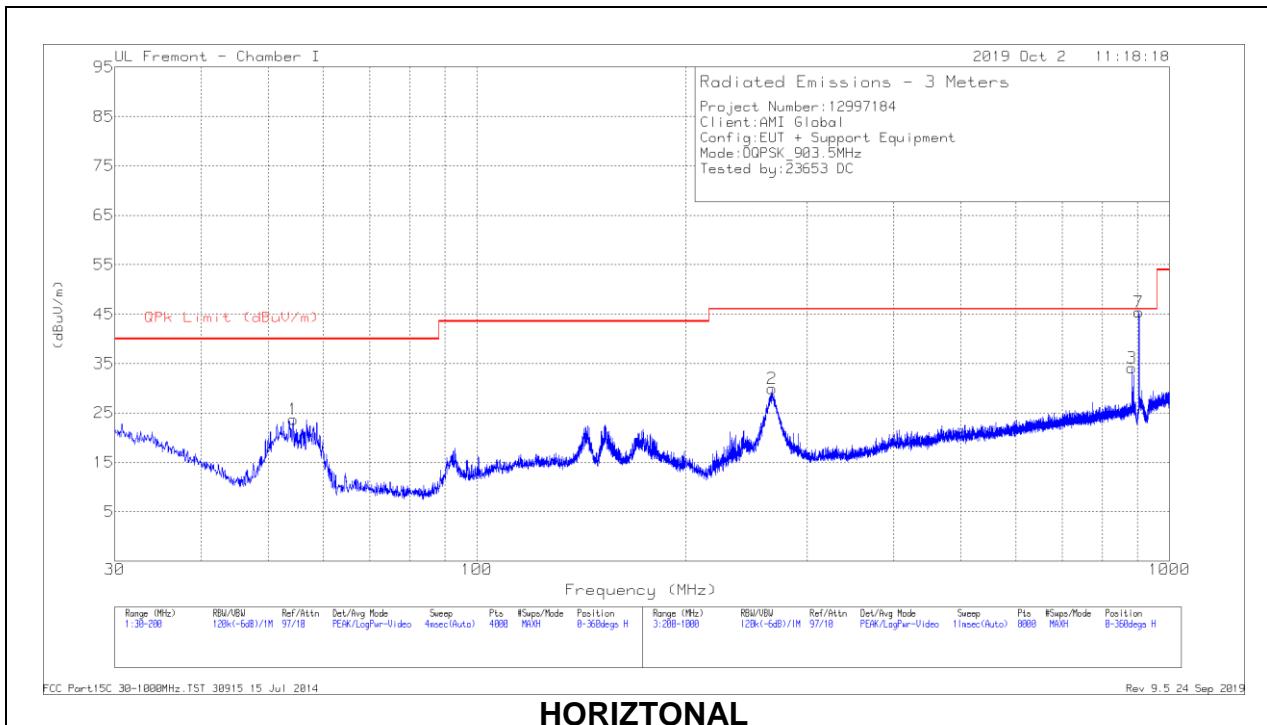
Refer to section 8.1 for duty cycle factor calculation (-15.91dB)

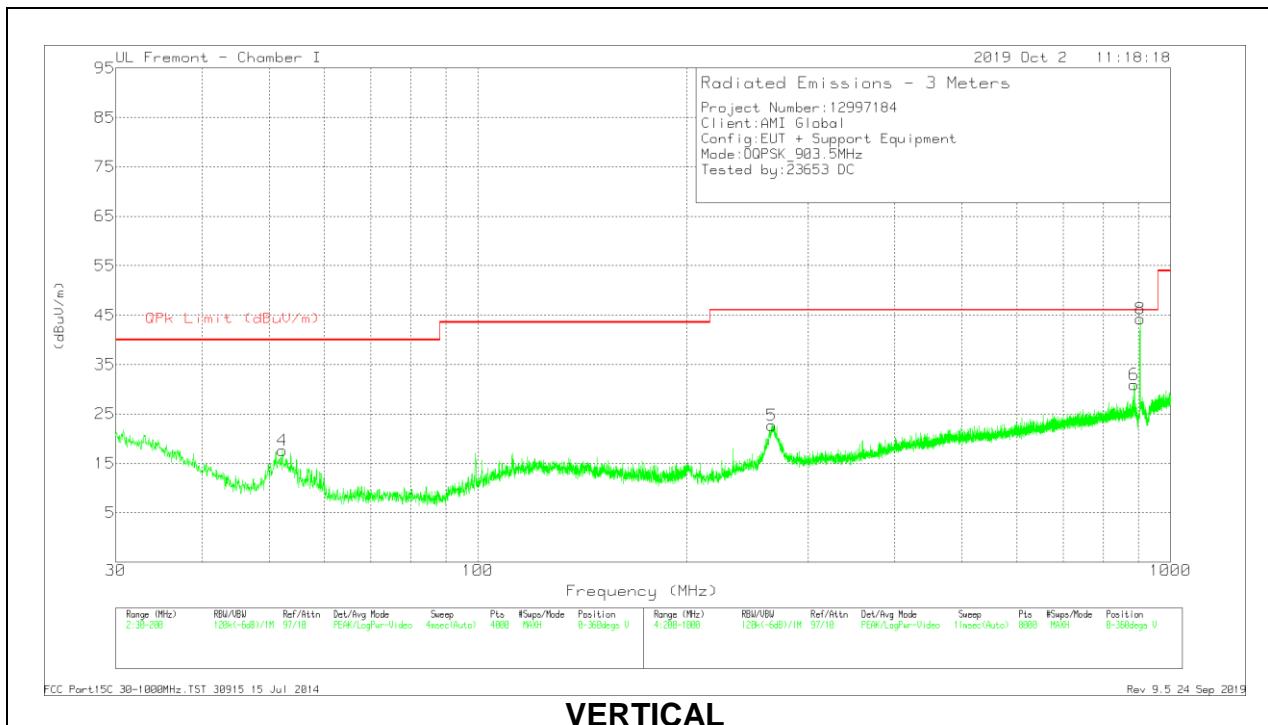
\*\* Harmonics of fundamental 925.8MHz

## 9.2. TRANSMITTER BELOW 1 GHz

### HARMONICS AND SPURIOUS EMISSIONS WITH A NOTCH FILTER

### LOW CHANNEL RESULTS





## RADIATED EMISSIONS

### Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF PRE0184971 (dB/m)	Amp Cbl (dB)	Filter Loss (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	54.3163	41.95	Pk	12.9	-31.2	1	24.65	40	-15.35	0-360	398	H
4	52.1907	35.57	Pk	13.1	-31.1	1	14.57	40	-22.43	0-360	102	V
2	266.9087	40.89	Pk	19	-30	1	30.89	46.02	-15.13	0-360	102	H
3	883.0888	33.95	Pk	27.9	-27.7	1	35.15	46.02	-10.87	0-360	102	H
*7	903.4914	45.13	Pk	28	-27.7	-	45.43	-	-	0-360	399	H
5	265.8086	33.92	Pk	18.9	-30.1	1	23.72	46.02	-22.3	0-360	99	V
6	885.2891	30.76	Pk	27.9	-27.7	1	31.96	46.02	-14.06	0-360	99	V
*8	904.4916	43.99	Pk	28	-27.7	-	44.29	-	-	0-360	298	V

Pk - Peak detector

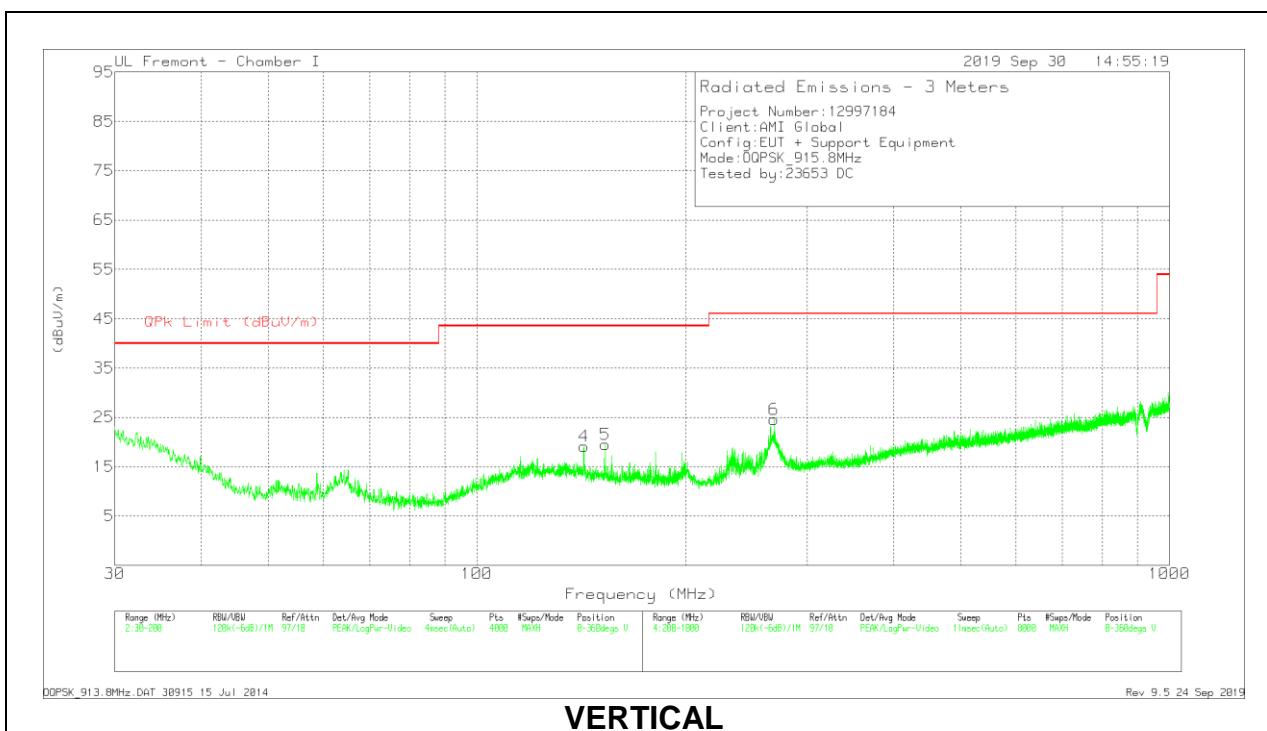
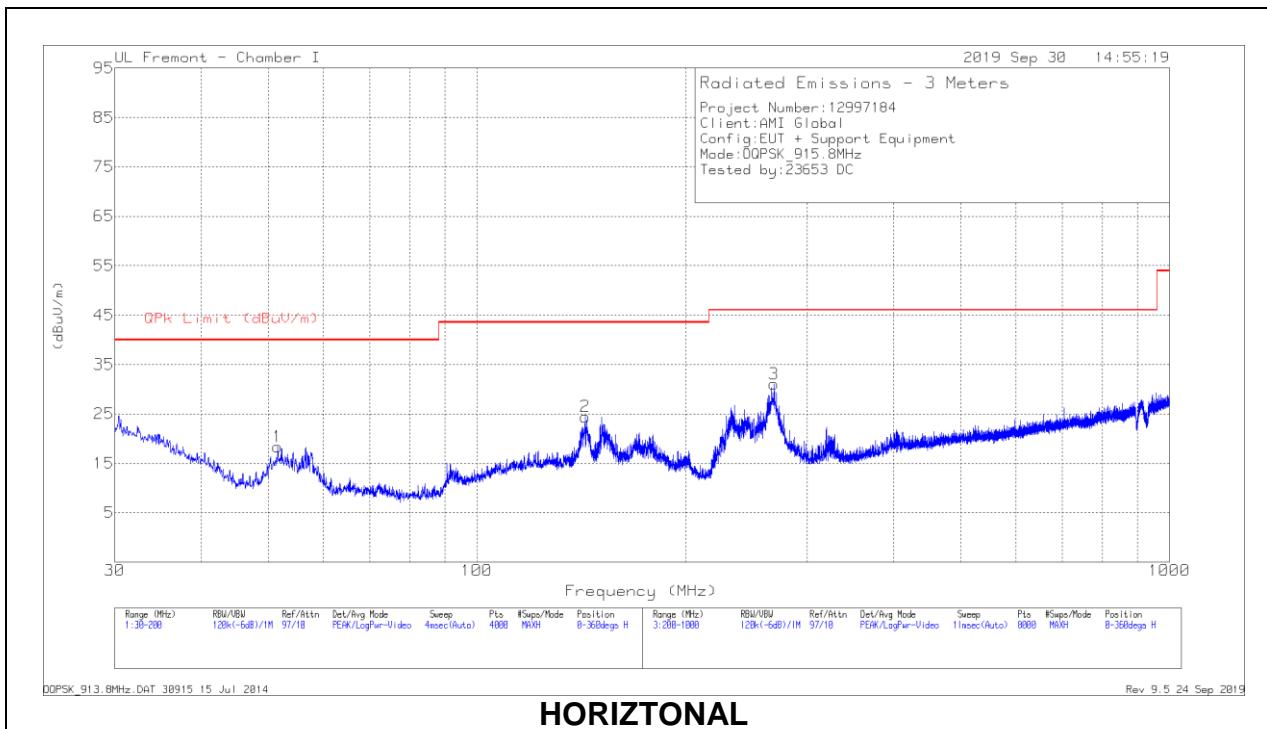
\* Markers 7 and 8 are fundamental frequency.

### Radiated Emissions

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF PRE0184971 (dB/m)	Amp Cbl (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	883.0548	25.35	Qp	27.9	-27.7	1	26.55	46.02	-19.47	172	241	H

Qp - Quasi-Peak detector

## MID CHANNEL RESULTS



## RADIATED EMISSIONS

### Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T899 (dB/m)	Amp Cbl (dB)	Filter Loss (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	51.5531	36.65	Pk	13.1	-31.4	1	19.35	40	-20.65	0-360	399	H
2	143.4619	36.2	Pk	18.9	-30.7	1	25.4	43.52	-18.12	0-360	198	H
4	142.6967	30.92	Pk	18.9	-30.7	1	20.12	43.52	-24.4	0-360	101	V
5	153.2819	31.88	Pk	18.3	-30.7	1	20.48	43.52	-23.04	0-360	101	V
3	268.5089	42.22	Pk	19	-30.2	1	32.02	46.02	-14	0-360	101	H
6	268.6089	35.8	Pk	19	-30.2	1	25.6	46.02	-20.42	0-360	198	V

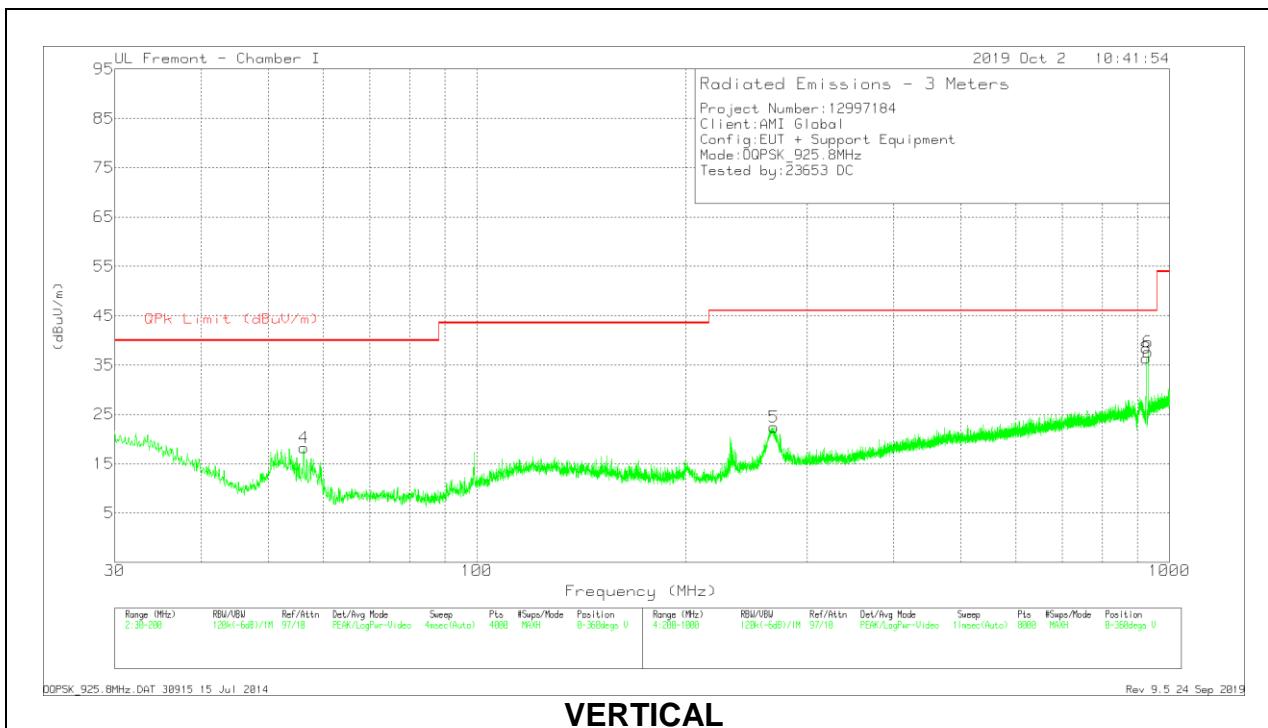
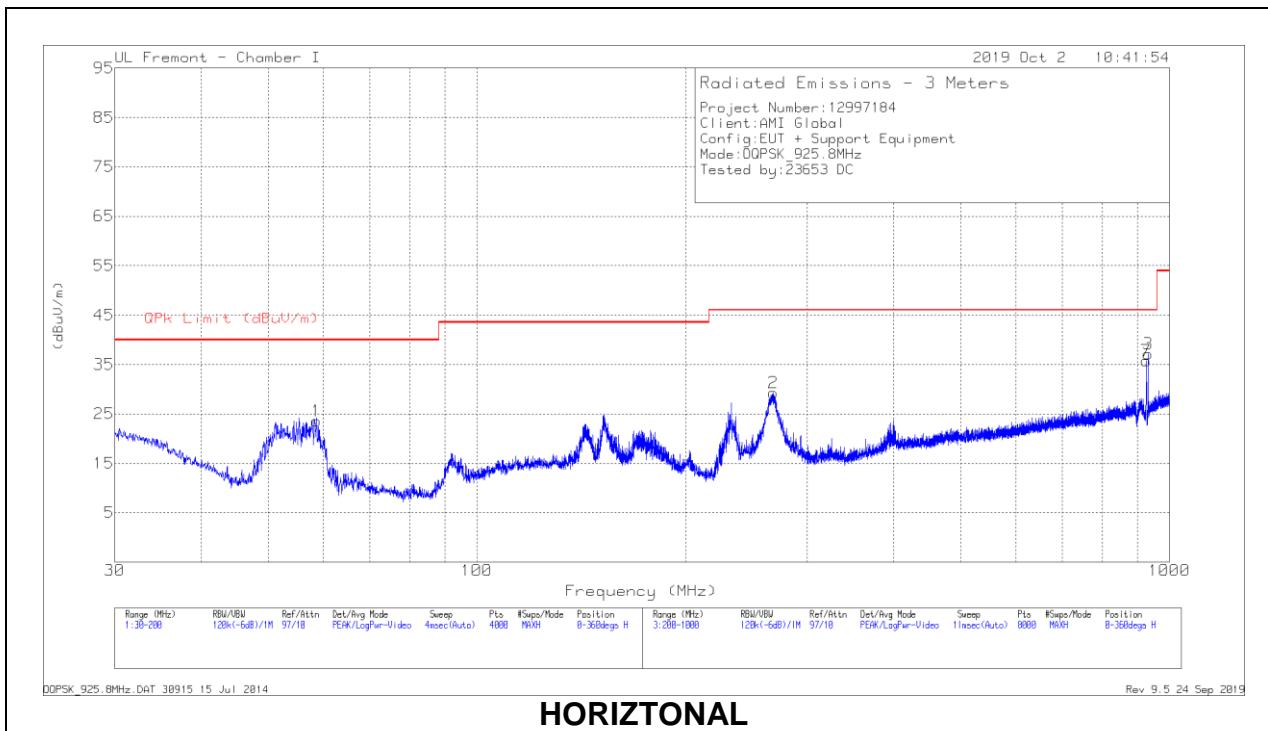
Pk - Peak detector

### Radiated Emissions

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T899 (dB/m)	Amp Cbl (dB)	Filter Loss (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	268.4849	37.56	Qp	18.9	-30.2	1	27.26	46.02	-18.76	228	118	H

Qp - Quasi-Peak detector

## HIGH CHANNEL RESULTS



## RADIATED EMISSIONS

### Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF PRE0184971 (dB/m)	Amp Cbl (dB)	Filter Loss (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	58.6949	41.62	Pk	13.1	-31.1	1	24.62	40	-15.38	0-360	399	H
4	56.2718	36.48	Pk	12.9	-31.1	1	19.28	40	-20.72	0-360	100	V
2	267.9088	40.33	Pk	19	-30	1	30.33	46.02	-15.69	0-360	99	H
3	931.2951	36.24	Pk	28.3	-27.4	1	38.14	46.02	-7.88	0-360	99	H
*7	925.4943	35.04	Pk	28.2	-27.5	1	36.74	46.02	-	-	399	H
5	268.4089	33.38	Pk	19	-30	1	23.38	46.02	-22.64	0-360	99	V
6	931.2951	36.72	Pk	28.3	-27.4	1	38.62	46.02	-7.4	0-360	99	V
*8	925.9944	35.47	Pk	28.3	-27.4	1	37.37	46.02	-	-	298	V

Pk - Peak detector

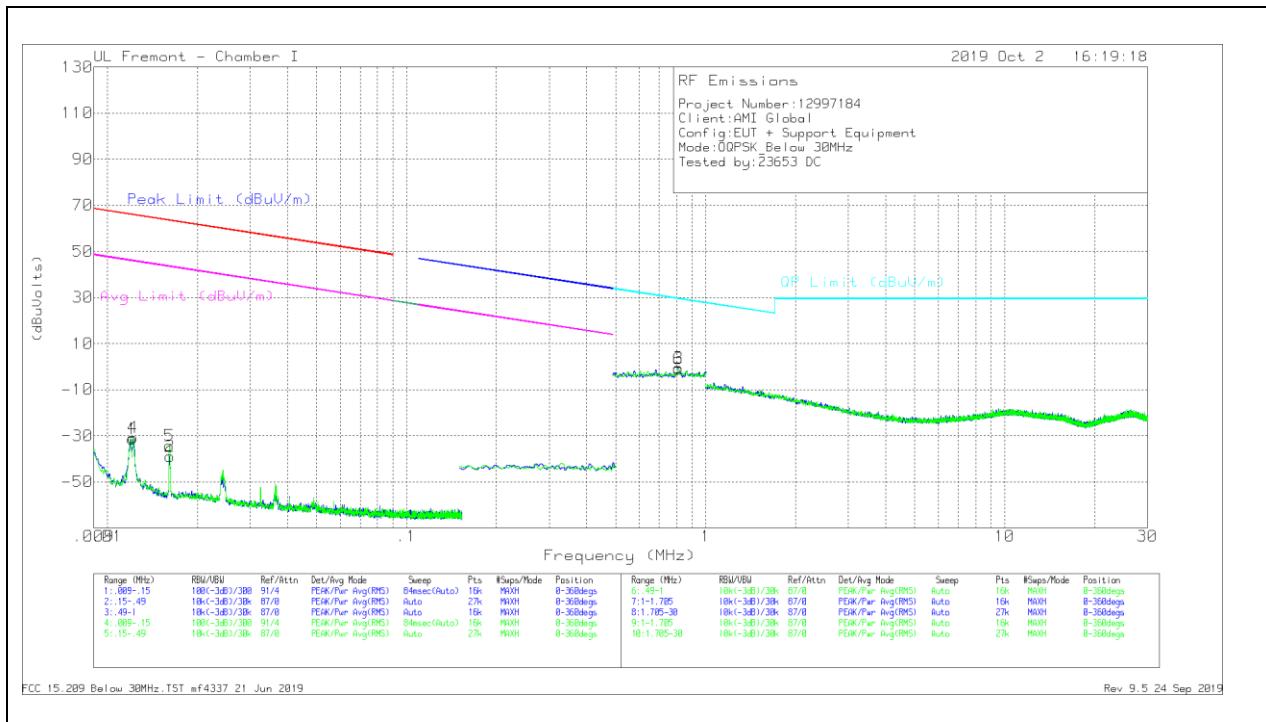
\* Markers 7 and 8 are fundamental frequency.

### Radiated Emissions

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF PRE0184971 (dB/m)	Amp Cbl (dB)	Filter Loss (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
6	931.2631	28.4	Qp	28.3	-27.4	1	30.3	46.02	-15.72	221	151	V

Qp - Quasi-Peak detector

### 9.3. WORST CASE BELOW 30 MHz



### Below 30MHz Data

#### Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (ACF)	Cables w/ PRE0180175 (dB)	Dist Corr 300m	Corrected Reading (dBuVolts)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
1	.01214	21.17	Pk	59.9	-32.4	-80	-31.33	65.9	-97.23	45.9	-77.23	0-360
2	.01616	14.09	Pk	59.3	-32.4	-80	-39.01	63.41	-102.42	43.41	-82.42	0-360
4	.01217	21.83	Pk	59.9	-32.4	-80	-30.67	65.88	-96.55	45.88	-76.55	0-360
5	.01615	18.92	Pk	59.3	-32.4	-80	-34.18	63.42	-97.6	43.42	-77.6	0-360

Pk - Peak detector

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (ACF)	Cables w/ PRE0180175 (dB)	Dist Corr 30m (dB) 40Log	Corrected Reading (dBuVolts)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
3	.81141	15.11	Pk	56.1	-31.8	-40	-.59	29.43	-30.02	0-360
6	.81074	14.75	Pk	56.1	-31.8	-40	-.95	29.44	-30.39	0-360

Pk - Peak detector