FCC CFR47 PART 15 SUBPART C
INDUSTRY CANADA RSS-210 ISSUE 8

BLUETOOTH
CERTIFICATION TEST REPORT

C2PC TEST REPORT

FOR

MODEL NUMBER: 7260HMW

FCC ID: 2AB5I-7260H
IC: 11929A-7260H

REPORT NUMBER: 14M17040-4, Revision 1

ISSUE DATE: 2014-08-13

Prepared for
GE Inspection Technologies, LP
50 Industrial Park Road
Lewiston, PA 17044, USA

Prepared by
UL LLC
1285 WALT WHITMAN RD.
MELVILLE, NY 11747, U.S.A.
TEL: (631) 271-6200
FAX: (877) 854-3577

NVLAP LAB CODE 100255-0

Revision History

Rev.	Issue Date	Revisions	Revised By
--	2014-08-04	Initial Issue	Joseph Danisi
1	2014-08-13	Revised section 8.1 to show actual averaging method used during radiated emissions measurements	B. DeLisi

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1. ATTESTATION OF TEST RESULTS

COMPANY NAME: GE Inspection Technologies, LP
50 Industrial Park Road
Lewiston, PA 17044, USA

MODEL: 7260HMW

SERIAL NUMBER: Prototype

DATE TESTED: June 04, 2014 to August 1, 2014

APPLICABLE STANDARDS	
STANDARD	**TEST RESULTS**
CFR 47 Part 15 Subpart C	Pass
INDUSTRY CANADA RSS-210 Issue 8 Annex 8	Pass
INDUSTRY CANADA RSS-GEN Issue 3	Pass

UL LLC tested the above equipment in accordance with the requirements set forth in the above standards. All indications of Pass/Fail in this report are opinions expressed by UL LLC based on interpretations and/or observations of test results. Measurement Uncertainties were not taken into account and are published for informational purposes only. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

Note: The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. This document may not be altered or revised in any way unless done so by UL LLC and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL LLC 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 any government.

Approved & Released For UL By:

Mike Antola
Project Lead
Consumer Technology Division

Tested By:

Josph Danisi (Ext.23055)
Principal Engineer
Consumer Technology Division

2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with ANSI C63.10-2009, FCC CFR 47 Part 2, FCC CFR 47 Part 15, RSS-GEN Issue 3, and RSS-210 Issue 8.

3. FACILITIES AND ACCREDITATION

The test sites and measurement facilities used to collect data are located at 1285 Walt Whitman Rd. Melville, NY 11747, USA.

UL Melville is accredited by NVLAP, Laboratory Code 100255-0. The full scope of accreditation can be viewed at http://ts.nist.gov/standards/scopes/1002550.htm.

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

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

4.3. MEASUREMENT UNCERTAINTY

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

PARAMETER	UNCERTAINTY
Conducted Disturbance, 0.15 to 30 MHz	± 3.3 dB
Radiated Disturbance, 30 to 1000 MHz	± 4.00 dB

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

5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

The equipment under test is an industrial remote visual inspection video borescope. It is used to visually inspect high value assets without having to tear them down. i.e., power gen turbines and aircraft engines. The EUT is an Bluetooth low energy. The EUT can transmit on one CHAIN only.

The radio module is manufactured by Intel.

This is a permissive 2 change therefore only Radiated Bandedge and Emissions were performed.

5.2. MAXIMUM OUTPUT POWER

The transmitter has a maximum peak conducted output power as follows:

Frequency Range (MHz)	Mode	Output Power (dBm)	Output Power (mW)
2402 - 2480	Basic GFSK	4.66	2.92
2402 - 2480	DQPSK	4.69	2.94
2402 - 2480	Enhanced 8PSK	4.87	3.07

Note: The power measurements were from original module evaluation

5.3. DESCRIPTION OF AVAILABLE ANTENNAS

The radio utilizes an Ethertronics 1000418 antenna, with a maximum gain of -2.35 dBi.

5.4. SOFTWARE AND FIRMWARE

The firmware installed in the EUT during testing was Team Build 2, rev. 1.

The EUT driver software installed during testing was SVNDISUIO, rev. 15.0.0.16

The test utility software used during testing was Intel DRTU 1.6.0-0510.

5.5. WORST-CASE CONFIGURATION AND MODE

Radiated emission were performed with the EUT set to transmit at the only channel transmit Chain B only.

The fundamental of the EUT was investigated in three orthogonal orientations X, Y, Z, it was determined that X orientation was worst-case orientation; therefore, all final radiated testing was performed with the EUT in X orientation.

Worst-case data rates as provided by the client

Radiated emissions for EUT with antenna was performed and passed

5.6 DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

Support Equipment List				
Description	**Manufacturer**	**Model**	**Serial Number**	**FCC ID**
Mouse	Logitech	M-BJ58	HCA 50401031	None

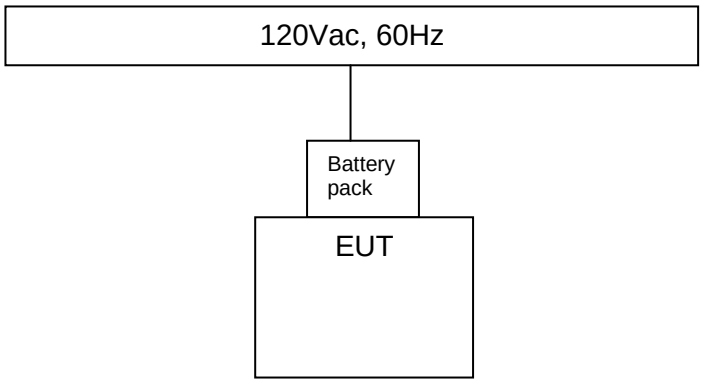
I/O CABLES

I/O Cable List						
Cable No	**Port**	**# of identical ports**	**Connector Type**	**Cable Type**	**Cable Length (m)**	**Remarks**
1	usb	3	USB	I/O	1	None
2	Mains	1	Plug		1.5	only used to charge the
						battery pack to run the
						equipmnet under test

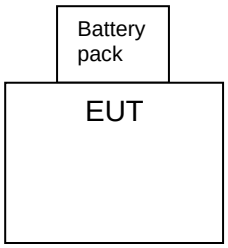
TEST SETUP

The EUT is installed in a host enclosure during the tests. Test software exercised the radio card.

SETUP DIAGRAM FOR TESTS



Set up used for keeping battery pack fully charge during testing only



Typically set up during normal operation

6. TEST AND MEASUREMENT EQUIPMENT

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

Radiated Emissions					
Description	Manufacturer	Model	Identifier	Cal Date	Cal Due Date
30-1000MHz					
EMI Receiver	Rohde & Schwarz	ESCI 7	75141	2014-01-29	2015-01-31
Bilog Antenna	Sunol	JB1	84106	2014-02-19	2015-02-19
Switch Driver	HP	11713A	ME7A-627	N/A	N/A
System Controller	Sunol Sciences	SC99V	44396	N/A	N/A
Camera Controller	Panasonic	WV-CU254	44395	N/A	N/A
RF Switch Box	UL	1	44398	N/A	N/A
Measurement Software	UL	Version 9.5	44740	2012-12-22	2014-12-22
Multimeter	Fluke	83III	ME5B-305	2014-01-28	2015-01-31
Above 1GHz (Band Optimized System)					
Spectrum Analyzer	Agilent	E4446A	72823	2014-01-29	2015-01-31
EMI Receiver	Rohde & Schwarz	ESIB40	72823	2014-04-09	2015-01-31
Horn Antenna (2-4 GHz)	ETS	3161-02 (22°)**	48107	2007-09-27	See * below
Horn Antenna (4-8 GHz)	ETS	3161-03 (22°)**	48106	2007-09-27	See * below
Horn Antenna (8-12 GHz)	ETS	3160-07 (26°)**	8933	2008-11-24	See * below
Horn Antenna (12-18 GHz)	ETS	3160-08 (26°)**	8932	2007-09-27	See * below
Horn Antenna (26.5-40 GHz)	ETS	3160-10 (27°)**	73004	2007-09-26	See * below
Horn Antenna	EMCO	3115	ME5A-766	2013-12-03	2014-12-03
Signal Path Controller	HP	11713A	50250	N/A	N/A
Gain Controller	HP	11713A	50251	N/A	N/A
RF Switch / Preamp Fixture	UL	BOMS1	50249	N/A	N/A
System Controller	UL	BOMS2	50252	N/A	N/A
Measurement Software	UL	Version 9.5	44740	N/A	N/A
Temp/Humidity/Pressure Meter	Cole Parmer	99760-00	4268	2012-12-22	2014-12-22
Multimeter	Fluke	83III	ME5B-305	2014-01-28	2015-01-31

* - Note: As allowed by the calibration standard ANSI C63.10-2009 Section 4.4.2, standard gain horns need only a one-time calibration. Only if physical damage occurs will the horn antenna require re-calibration.

Gain standard horn antennas (sometimes called standard gain horn antennas) need not be calibrated beyond that which is provided by the manufacturer unless they are damaged or deterioration is suspected, or they are used at a distance closer than $2D^2/\lambda$. Gain standard horn antennas have gains that are fixed by their dimensions and dimensional tolerances.

** - Number in parentheses denotes antenna beam width.

7. ON TIME AND DUTY CYCLE

LIMITS

None; for reporting purposes only.

PROCEDURE

KDB 558074 Zero-Span Spectrum Analyzer Method.

7.1. ON TIME AND DUTY CYCLE RESULTS

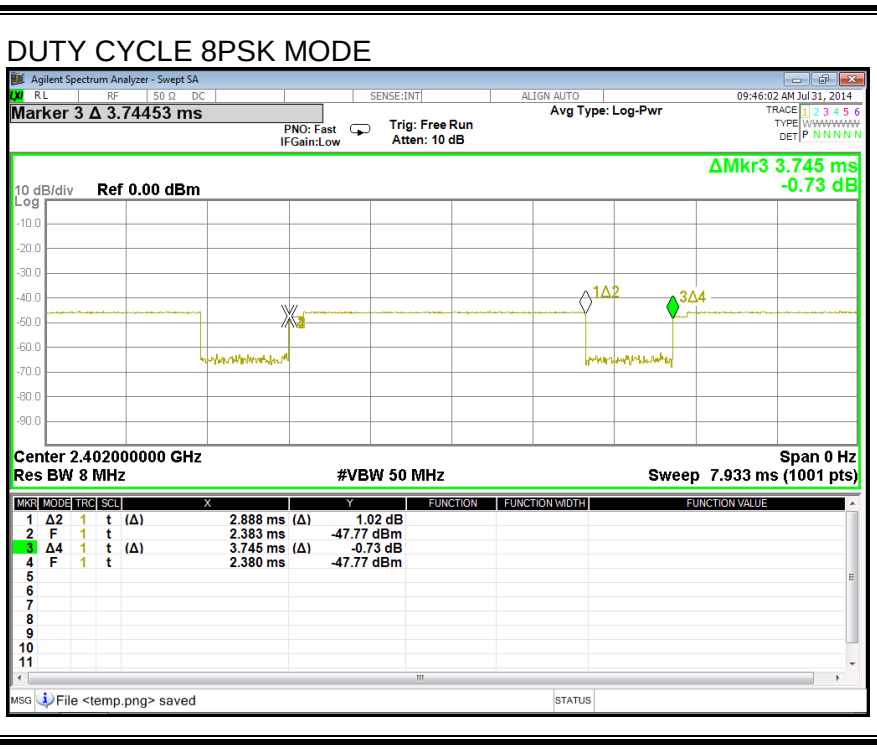
Mode	ON Time B (msec)	Period (msec)	Duty Cycle x (linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/B Minimum VBW (kHz)
2.4 GHz band (Hopping ON)						
Bluetooth GFSK	2.840	4	0.758	75.75%	2.41	N/A
Bluetooth DQPSK	2.884	4	0.773	77.30%	2.24	N/A
Bluetooth 8PSK	2.887	4	0.770	76.97%	2.27	N/A
2.4 GHz band (Hopping OFF)						
Bluetooth GFSK	2.888	3.752	0.770	76.97%	1.14	0.346
Bluetooth DQPSK	2.880	3.752	0.768	76.76%	1.15	0.347
Bluetooth 8PSK	2.880	3.745	0.769	76.90%	1.14	0.347

7.2. DUTY CYCLE PLOTS

HOPPING OFF

DUTY CYCLE GFSK MODE

DUTY CYCLE 8PSK MODE



DUTY CYCLE DQPSK MODE

HOPPING ON

DUTY CYCLE GFSK MODE

DUTY CYCLE 8PSK MODE

DUTY CYCLE DQPSK MODE

8. RADIATED TEST RESULTS

8.1. LIMITS AND PROCEDURE

LIMITS

FCC §15.205 and §15.209

IC RSS-210 Clause 2.6 (Transmitter)

IC RSS-GEN Clause 6 (Receiver)

Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane. The antenna to EUT distance is 3 meters. The EUT is configured in accordance with ANSI C63.10-2009.The EUT is set to transmit in a continuous mode.

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 1 MHz for peak measurements and 10Hz VBW with corrections for duty cycle less than 98%.

The spectrum from 30 MHz to 26 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in the 2.4 GHz band.

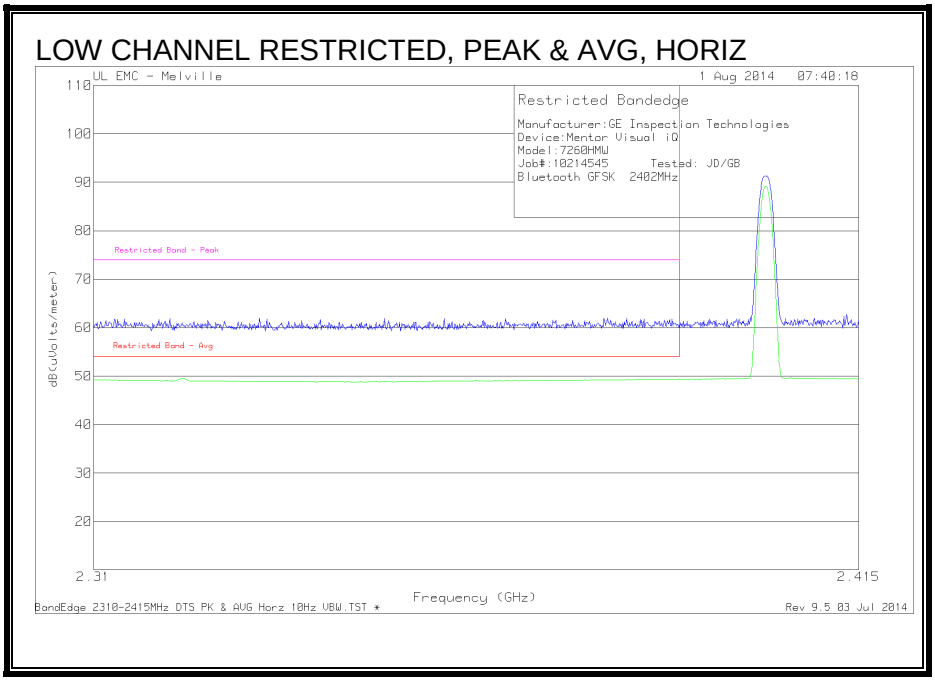
The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized in both the vertical and the horizontal positions.

Note: Spurious emissions below 3GHz in the restricted band were evaluated after numerous measurement the emissions were identical therefore some results in the tables may outline similar outcomes in the measurement.

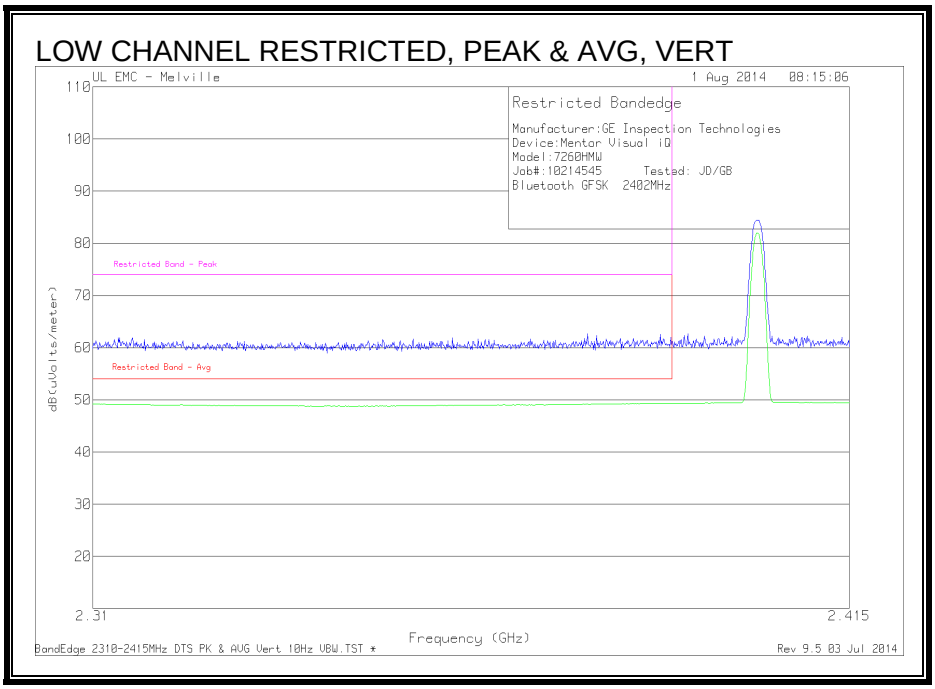
8.2. TRANSMITTER ABOVE 1 GHz

8.2.1. BASIC DATA RATE GFSK MODULATION

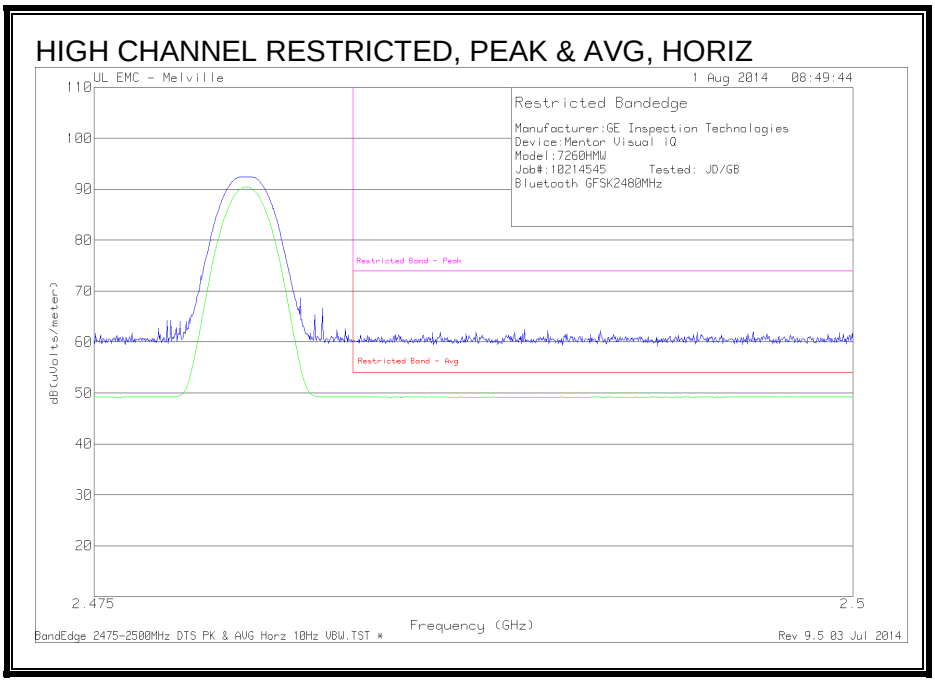
RESTRICTED BANDEDGE (LOW CHANNEL, HORIZONTAL)



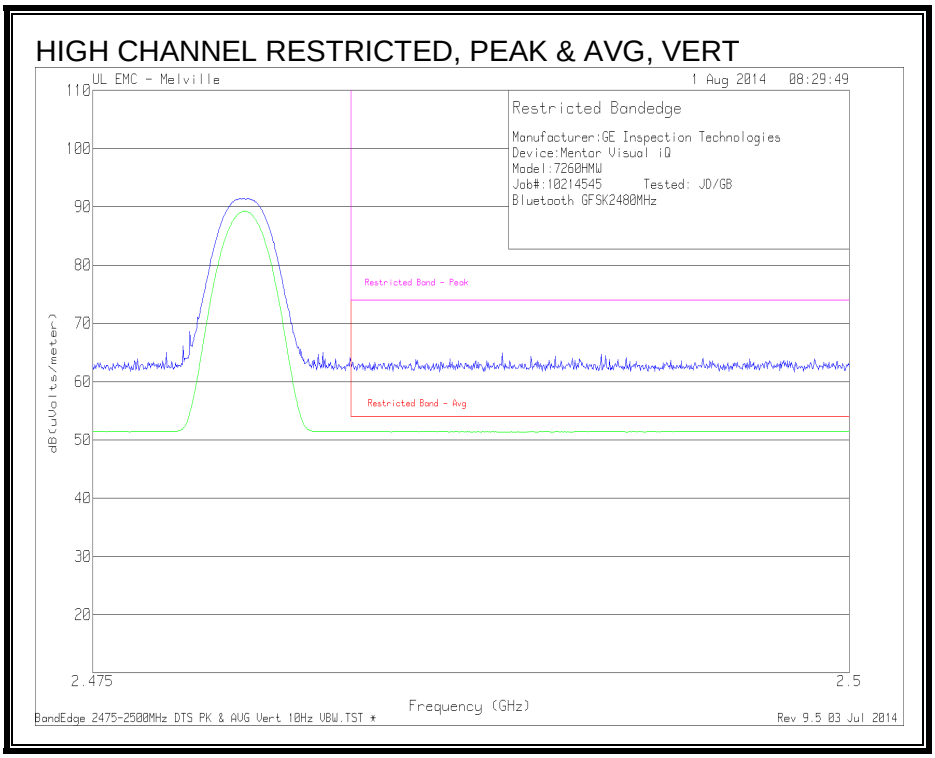
RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)



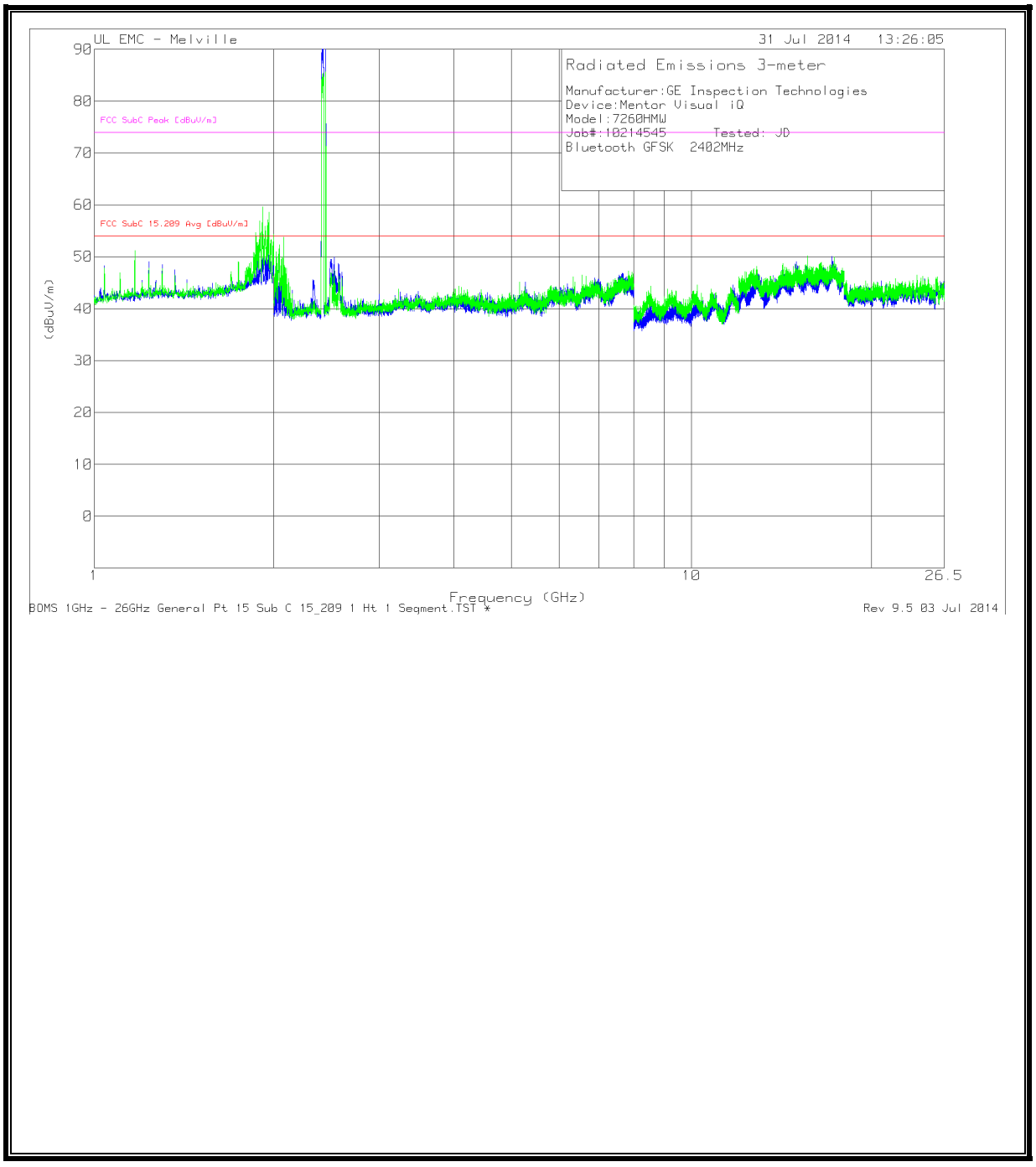
RESTRICTED BANDEDGE (HIGH CHANNEL, HORIZONTAL)



RESTRICTED BANDEDGE (HIGH CHANNEL, VERTICAL)



HARMONICS AND SPURIOUS EMISSIONS LOW CHANNEL



DATA

Manufacturer:GE Inspection Technologies												
Device:Mentor Visual iQ												
Model:7260HMW												
Job#:10214545 Tested: JD												
Bluetooth GFSK 2402MHz												
Radiated Emission Data												
Horizontal 1 - 2GHz												
Test Frequency (GHz)	Meter Reading (dBuV)	Detector	AF [dB/m]	DC Corr (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	FCC SubC 15.209 Avg [dBuV/m]	Margin (dB)	FCC SubC Peak [dBuV/m]	PK Margin (dB)	Azimuth [Degs]	Height [cm]	Polarity
*1.0402	72.21	PK3	24.2	2.24	-44.6	54.05	-	-	74	-19.95	2	126	H
*1.0398	60.9	VB10	24.2	2.24	-44.59	42.75	54	-11.25	74	-31.25	2	126	H
*1.04	71.99	PK3	24.2	2.24	-44.59	53.84	-	-	74	-20.16	305	131	H
*1.0399	60.76	VB10	24.2	2.24	-44.59	42.61	54	-11.39	74	-31.39	305	131	H
*1.1053	65.19	PK3	24.6	2.24	-44.35	47.68	-	-	74	-26.32	45	282	H
*1.1051	53	VB10	24.6	2.24	-44.37	35.47	54	-18.53	74	-38.53	45	282	H
*1.17	71.91	PK3	24.9	2.24	-44.97	54.08	-	-	74	-19.92	35	156	H
*1.1701	62.04	VB10	24.9	2.24	-44.97	44.21	54	-9.79	74	-29.79	35	156	H
*1.2025	67.2	PK3	25	2.24	-44.64	49.8	-	-	74	-24.2	47	104	H
*1.2022	53.31	VB10	25	2.24	-44.65	35.9	54	-18.1	74	-38.1	47	104	H
*1.235	69.73	PK3	25	2.24	-44.66	52.31	-	-	74	-21.69	301	105	H
*1.235	61.59	VB10	25	2.24	-44.65	44.18	54	-9.82	74	-29.82	301	105	H
*1.2674	66.61	PK3	25.1	2.24	-44.47	49.48	-	-	74	-24.52	312	133	H
*1.2674	52.9	VB10	25.1	2.24	-44.46	35.78	54	-18.22	74	-38.22	312	133	H
*1.3001	72.55	PK3	25.1	2.24	-44.75	55.14	-	-	74	-18.86	47	170	H
*1.3	65.47	VB10	25.1	2.24	-44.74	48.07	54	-5.93	74	-25.93	47	170	H
*1.365	70.26	PK3	25	2.24	-44.2	53.3	-	-	74	-20.7	317	159	H
*1.365	64.1	VB10	25	2.24	-44.2	47.14	54	-6.86	74	-26.86	317	159	H
Horizontal 2 - 4GHz													
Test Frequency (GHz)	Meter Reading (dBuV)	Detector	AF [dB/m]	DC Corr (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	FCC SubC 15.209 Avg [dBuV/m]	Margin (dB)	FCC SubC Peak [dBuV/m]	PK Margin (dB)	Azimuth [Degs]	Height [cm]	Polarity
*2.21	63.16	PK3	21.5	2.24	-42.38	44.52	-	-	74	-29.48	317	159	H
*2.21	51.95	VB10	21.5	2.24	-42.38	33.31	54	-20.69	74	-40.69	317	159	H

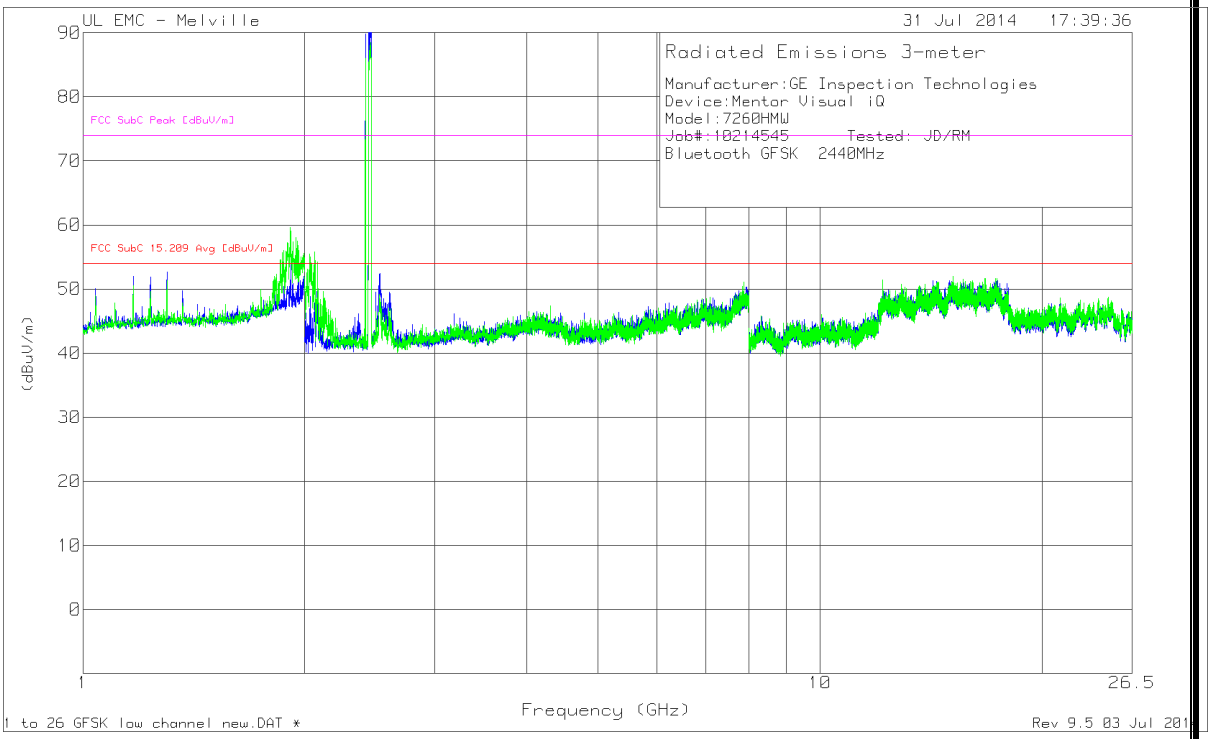
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band
PK3 - FHSS Method: Maximum Peak
VB10Hz - FHSS Method: 10Hz Video Bandwidth

Manufacturer:GE Inspection Technologies													
Device:Mentor Visual iQ													
Model:7260HMW													
Job#:10214545 Tested: JD													
Bluetooth GFSK 2402MHz													
Vertical 1 - 2GHz													

Test Frequency (GHz)	Meter Reading (dBuV)	Detector	AF [dB/m]	DC Corr (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	FCC SubC 15.209 Avg [dBuV/m]	Margin (dB)	FCC SubC Peak [dBuV/m]	PK Margin (dB)	Azimuth [Degs]	Height [cm]	Polarity
*1.04	70.76	PK3	23.9	2.24	-44.59	52.31	-	-	74	-21.69	1	102	V
*1.0401	60.48	VB10	23.9	2.24	-44.6	42.02	54	-11.98	74	-31.98	1	102	V
1.105	67.01	PK3	24.5	2.24	-44.37	49.38	-	-	74	-24.62	326	104	V
*1.105	56.52	VB10	24.5	2.24	-44.37	38.89	54	-15.11	74	-35.11	326	104	V
*1.1701	72.09	PK3	24.9	2.24	-44.97	54.26	-	-	74	-19.74	36	111	V
*1.17	59.54	VB10	24.9	2.24	-44.97	41.71	54	-12.29	74	-32.29	36	111	V
*1.2025	66.91	PK3	25.2	2.24	-44.64	49.71	-	-	74	-24.29	36	111	V
*1.2026	53.63	VB10	25.2	2.24	-44.64	36.43	54	-17.57	74	-37.57	36	111	V
*1.2351	70.54	PK3	25.2	2.24	-44.67	53.31	-	-	74	-20.69	220	109	V
*1.235	61.14	VB10	25.2	2.24	-44.65	43.93	54	-10.07	74	-30.07	220	109	V
*1.2677	65.62	PK3	25.3	2.24	-44.48	48.68	-	-	74	-25.32	223	112	V
*1.2676	52.19	VB10	25.3	2.24	-44.48	35.25	54	-18.75	74	-38.75	223	112	V
*1.2999	71.59	PK3	25.4	2.24	-44.74	54.49	-	-	74	-19.51	324	128	V
*1.3	64.04	VB10	25.4	2.24	-44.75	46.93	54	-7.07	74	-27.07	324	128	V
*1.365	70.11	PK3	25.2	2.24	-44.2	53.35	-	-	74	-20.65	329	122	V
*1.365	64.58	VB10	25.2	2.24	-44.2	47.82	54	-6.18	74	-26.18	329	122	V
*1.6944	64	PK3	25.9	2.24	-44.19	47.95	-	-	74	-26.05	304	155	V
*1.6941	50.46	VB10	25.9	2.24	-44.19	34.41	54	-19.59	74	-39.59	304	155	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band
PK3 - FHSS Method: Maximum Peak
VB10Hz - FHSS Method: 10Hz Video Bandwidth

HARMONICS AND SPURIOUS EMISSIONS MID CHANNEL

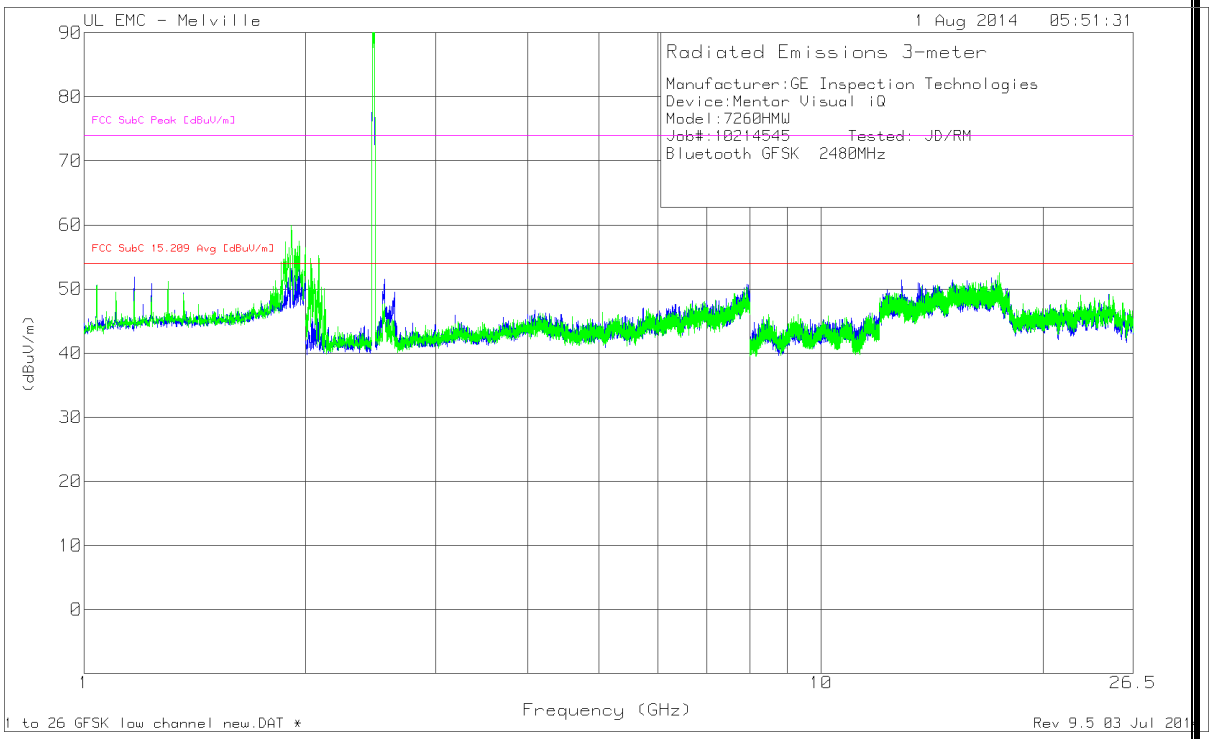


DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF [dB/m]	DC Corr (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	FCC SubC 15.209 Avg [dBuV/m]	Margin (dB)	FCC SubC Peak [dBuV/m]	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.04	73.88	PK3	24.2	2.24	-44.59	55.73	-	-	74	-18.27	15	127	H
* 1.04	71.37	PK3	24.2	2.24	-44.59	53.22	-	-	74	-20.78	324	138	V
* 1.17	72.2	PK3	24.9	2.24	-44.97	54.37	-	-	74	-19.63	37	136	V
* 1.17	74.56	PK3	24.9	2.24	-44.97	56.73	-	-	74	-17.27	335	186	H
* 1.235	70.41	PK3	25	2.24	-44.67	52.98	-	-	74	-21.02	314	129	H
* 1.235	69.73	PK3	25	2.24	-44.66	52.31	-	-	74	-21.69	6	110	V
* 1.3	72.31	PK3	25.1	2.24	-44.75	54.9	-	-	74	-19.1	327	111	V
* 1.3	72.51	PK3	25.1	2.24	-44.75	55.1	-	-	74	-18.9	329	116	H
* 1.365	70.23	PK3	25	2.24	-44.2	53.27	-	-	74	-20.73	323	154	H
* 1.365	66.75	PK3	25	2.24	-44.2	49.79	-	-	74	-24.21	38	147	V
* 2.34	66.54	PK3	21.1	2.24	-41.98	47.9	-	-	74	-26.1	294	109	H
* 2.36	67.32	PK3	21.1	2.24	-42.04	48.62	-	-	74	-25.38	301	136	H
* 2.5	66.55	PK3	21.4	2.24	-41.86	48.33	-	-	74	-25.67	66	107	H
* 1.04	59.69	VB10	24.2	2.24	-44.59	41.54	54	-12.46	-	-	15	127	H
* 1.04	60.31	VB10	24.2	2.24	-44.59	42.16	54	-11.84	-	-	324	138	V
* 1.17	58.4	VB10	24.9	2.24	-44.97	40.57	54	-13.43	-	-	37	136	V
* 1.17	59.46	VB10	24.9	2.24	-44.97	41.63	54	-12.37	-	-	335	186	H
* 1.235	58.35	VB10	25	2.24	-44.66	40.93	54	-13.07	-	-	314	129	H
* 1.235	58.52	VB10	25	2.24	-44.65	41.11	54	-12.89	-	-	6	110	V
* 1.3	62.18	VB10	25.1	2.24	-44.75	44.77	54	-9.23	-	-	327	111	V
* 1.3	63.23	VB10	25.1	2.24	-44.75	45.82	54	-8.18	-	-	329	116	H
* 1.365	62.89	VB10	25	2.24	-44.2	45.93	54	-8.07	-	-	323	154	H
* 1.365	58.57	VB10	25	2.24	-44.2	41.61	54	-12.39	-	-	38	147	V
* 2.34	56.18	VB10	21.1	2.24	-41.98	37.54	54	-16.46	-	-	294	109	H
* 2.36	59.56	VB10	21.1	2.24	-42.04	40.86	54	-13.14	-	-	301	136	H
* 2.5	58.3	VB10	21.4	2.24	-41.86	40.08	54	-13.92	-	-	66	107	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band
PK3 - FHSS Method: Maximum Peak
VB10Hz - FHSS Method: 10Hz Video Bandwidth

HARMONICS AND SPURIOUS EMISSIONS HIGH CHANNEL



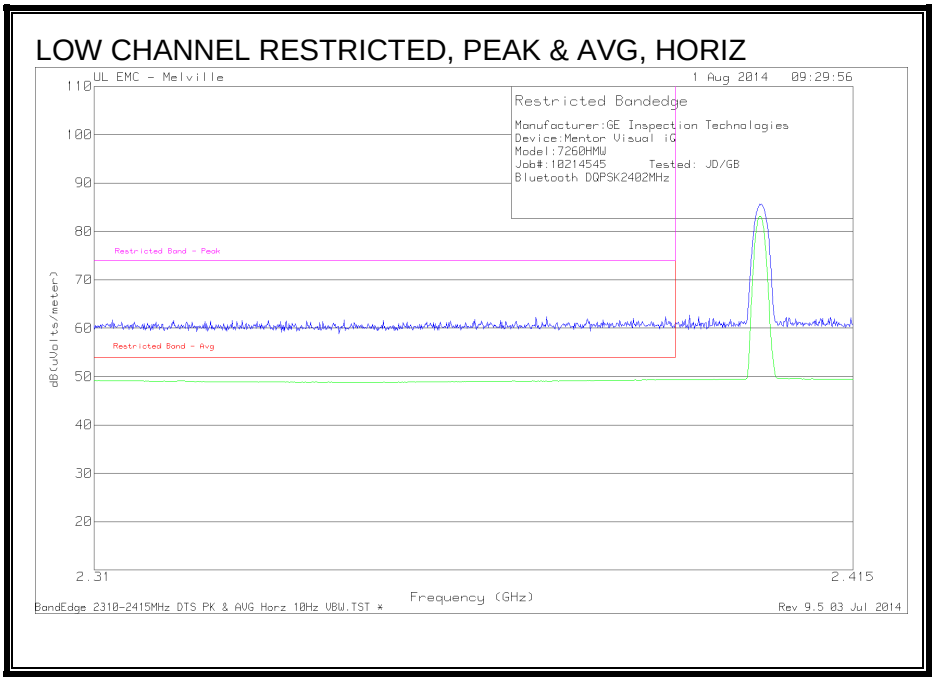
DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF [dB/m]	DC Corr (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	FCC SubC 15.209 Avg [dBuV/m]	Margin (dB)	FCC SubC Peak [dBuV/m]	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.04	73.88	PK3	24.2	2.24	-44.59	55.73	-	-	74	-18.27	15	127	H
* 1.04	71.37	PK3	24.2	2.24	-44.59	53.22	-	-	74	-20.78	324	138	V
* 1.105	69.33	PK3	24.6	2.24	-44.37	51.8	54	-2.2	74	-22.2	311	102	V
* 1.105	67.61	PK3	24.6	2.24	-44.37	50.08	54	-3.92	74	-23.92	328	189	H
* 1.105	56.37	VB10	24.6	2.24	-44.37	38.84	54	-15.16	-	-	311	102	V
* 1.105	54.61	VB10	24.6	2.24	-44.37	37.08	54	-16.92	-	-	328	189	H
* 1.17	72.2	PK3	24.9	2.24	-44.97	54.37	-	-	74	-19.63	37	136	V
* 1.17	74.56	PK3	24.9	2.24	-44.97	56.73	-	-	74	-17.27	335	186	H
* 1.235	70.41	PK3	25	2.24	-44.67	52.98	-	-	74	-21.02	314	129	H
* 1.235	69.73	PK3	25	2.24	-44.66	52.31	-	-	74	-21.69	6	110	V
* 1.3	72.31	PK3	25.1	2.24	-44.75	54.9	-	-	74	-19.1	327	111	V
* 1.3	72.51	PK3	25.1	2.24	-44.75	55.1	-	-	74	-18.9	329	116	H
* 1.365	70.23	PK3	25	2.24	-44.2	53.27	-	-	74	-20.73	323	154	H
* 1.365	66.75	PK3	25	2.24	-44.2	49.79	-	-	74	-24.21	38	147	V
* 2.34	66.54	PK3	21.1	2.24	-41.98	47.9	-	-	74	-26.1	294	109	H
* 2.36	67.32	PK3	21.1	2.24	-42.04	48.62	-	-	74	-25.38	301	136	H
* 2.5	66.55	PK3	21.4	2.24	-41.86	48.33	-	-	74	-25.67	66	107	H
* 1.04	59.69	VB10	24.2	2.24	-44.59	41.54	54	-12.46	-	-	15	127	H
* 1.04	60.31	VB10	24.2	2.24	-44.59	42.16	54	-11.84	-	-	324	138	V
* 1.17	58.4	VB10	24.9	2.24	-44.97	40.57	54	-13.43	-	-	37	136	V
* 1.17	59.46	VB10	24.9	2.24	-44.97	41.63	54	-12.37	-	-	335	186	H
* 1.235	58.35	VB10	25	2.24	-44.66	40.93	54	-13.07	-	-	314	129	H
* 1.235	58.52	VB10	25	2.24	-44.65	41.11	54	-12.89	-	-	6	110	V
* 1.3	62.18	VB10	25.1	2.24	-44.75	44.77	54	-9.23	-	-	327	111	V
* 1.3	63.23	VB10	25.1	2.24	-44.75	45.82	54	-8.18	-	-	329	116	H
* 1.365	62.89	VB10	25	2.24	-44.2	45.93	54	-8.07	-	-	323	154	H
* 1.365	58.57	VB10	25	2.24	-44.2	41.61	54	-12.39	-	-	38	147	V
* 2.34	56.18	VB10	21.1	2.24	-41.98	37.54	54	-16.46	-	-	294	109	H
* 2.36	59.56	VB10	21.1	2.24	-42.04	40.86	54	-13.14	-	-	301	136	H
* 2.5	58.3	VB10	21.4	2.24	-41.86	40.08	54	-13.92	-	-	66	107	H

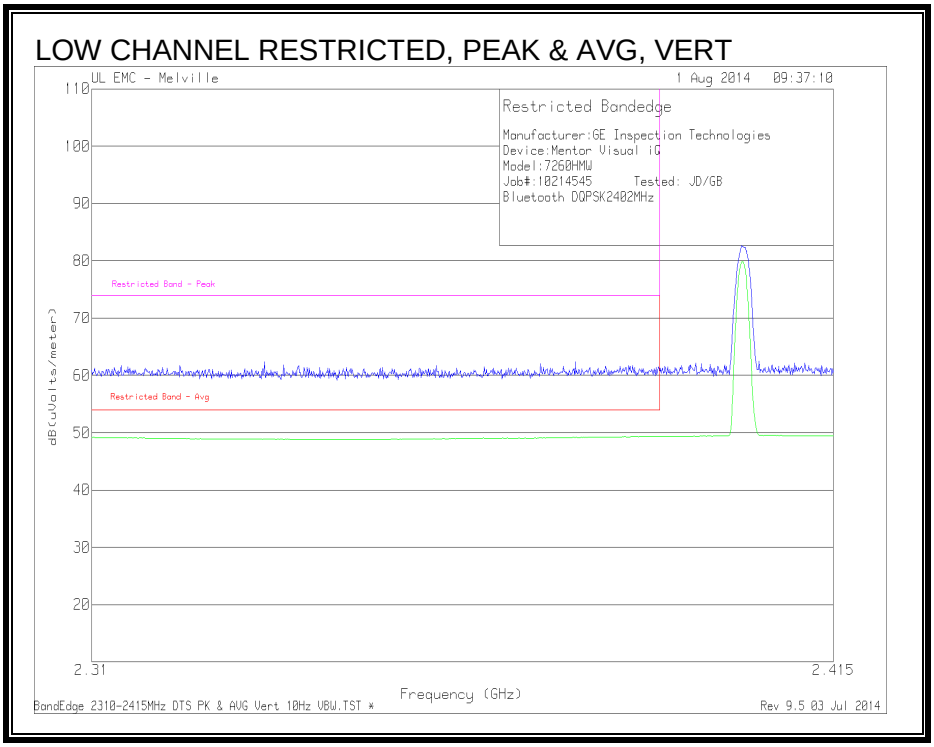
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band
PK3 - FHSS Method: Maximum Peak
VB10Hz - FHSS Method: 10Hz Video Bandwidth

8.2.2. ENHANCED DATA RATE DQPSK MODULATION

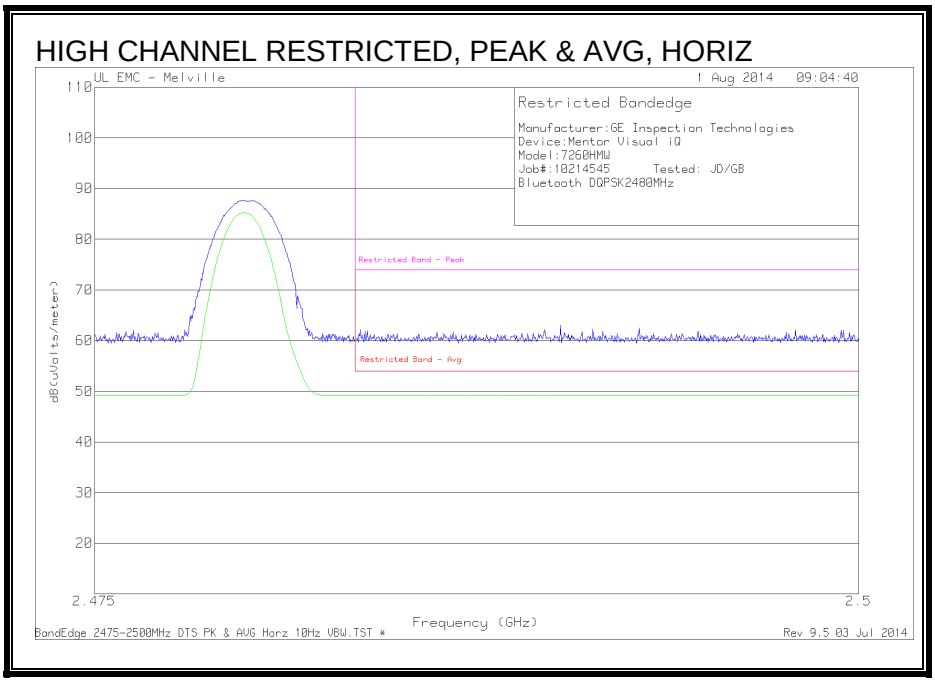
RESTRICTED BANDEDGE (LOW CHANNEL)



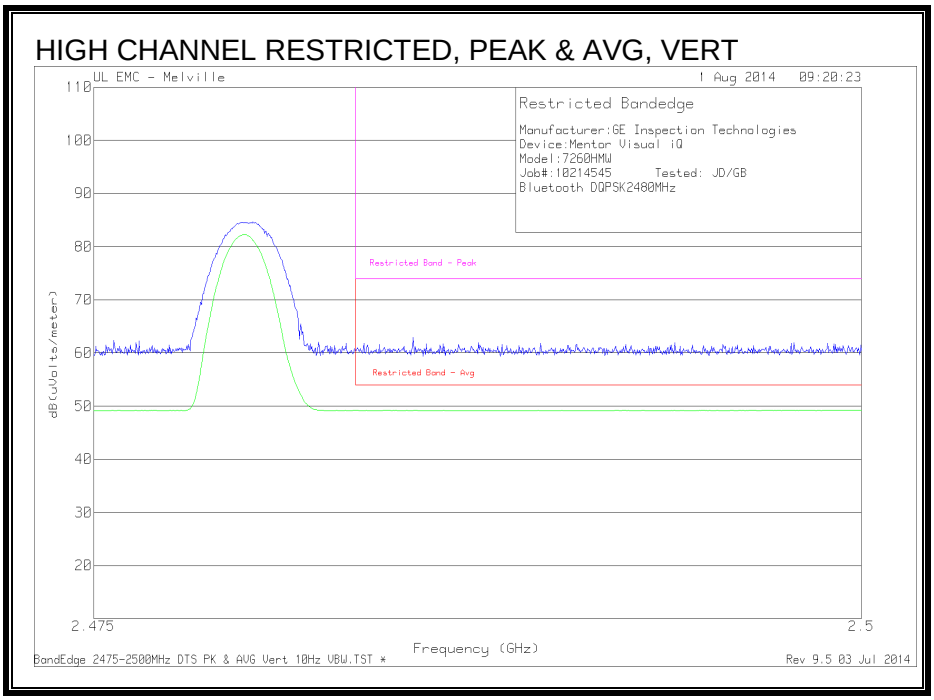
RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)



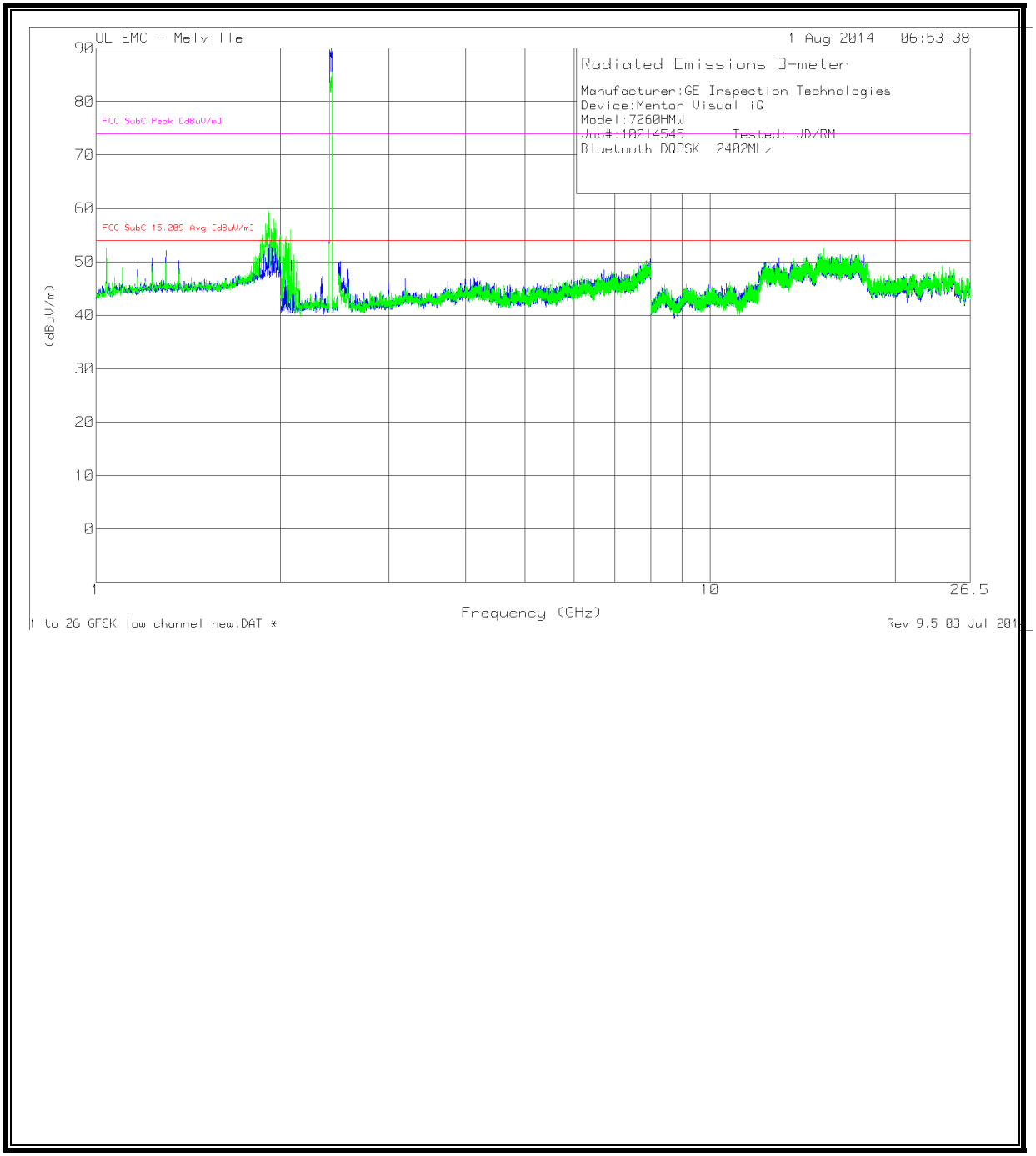
RESTRICTED BANDEDGE (HIGH CHANNEL, HORIZONTAL)



RESTRICTED BANDEDGE (HIGH CHANNEL, VERTICAL)



HARMONICS AND SPURIOUS EMISSIONS – LOW CHANNEL

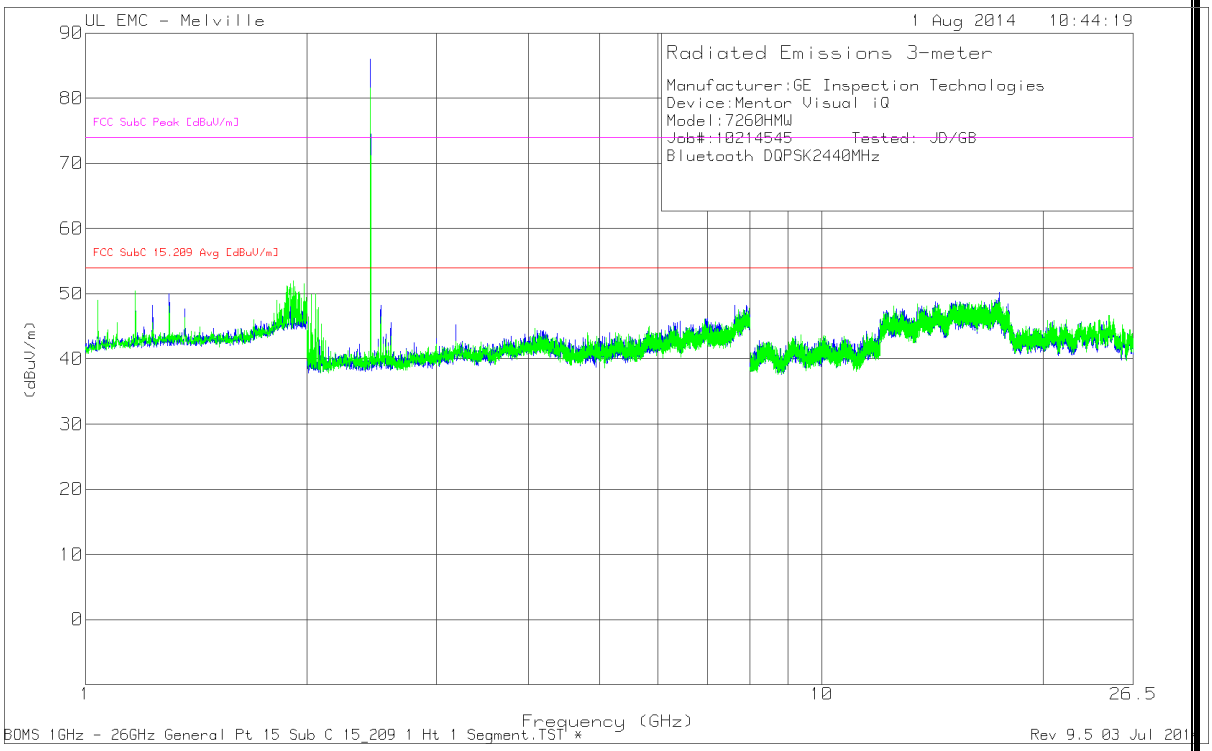


DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF [dB/m]	DC Corr (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	FCC SubC 15.209 Avg [dBuV/m]	Margin (dB)	FCC SubC Peak [dBuV/m]	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.04	73.88	PK3	24.2	2.24	-44.59	55.73	-	-	74	-18.27	15	127	H
* 1.04	71.37	PK3	24.2	2.24	-44.59	53.22	-	-	74	-20.78	324	138	V
* 1.105	69.33	PK3	24.6	2.24	-44.37	51.8	-	-	74	-22.2	311	102	V
* 1.105	67.61	PK3	24.6	2.24	-44.37	50.08	-	-	74	-23.92	328	189	H
* 1.105	56.37	VB10	24.6	2.24	-44.37	38.84	54	-15.16	-	-	311	102	V
* 1.105	54.61	VB10	24.6	2.24	-44.37	37.08	54	-16.92	-	-	328	189	H
* 1.17	72.2	PK3	24.9	2.24	-44.97	54.37	-	-	74	-19.63	37	136	V
* 1.17	74.56	PK3	24.9	2.24	-44.97	56.73	-	-	74	-17.27	335	186	H
* 1.235	70.41	PK3	25	2.24	-44.67	52.98	-	-	74	-21.02	314	129	H
* 1.235	69.73	PK3	25	2.24	-44.66	52.31	-	-	74	-21.69	6	110	V
* 1.3	72.31	PK3	25.1	2.24	-44.75	54.9	-	-	74	-19.1	327	111	V
* 1.3	72.51	PK3	25.1	2.24	-44.75	55.1	-	-	74	-18.9	329	116	H
* 1.365	70.23	PK3	25	2.24	-44.2	53.27	-	-	74	-20.73	323	154	H
* 1.365	66.75	PK3	25	2.24	-44.2	49.79	-	-	74	-24.21	38	147	V
* 2.34	66.54	PK3	21.1	2.24	-41.98	47.9	-	-	74	-26.1	294	109	H
* 2.36	67.32	PK3	21.1	2.24	-42.04	48.62	-	-	74	-25.38	301	136	H
* 2.5	66.55	PK3	21.4	2.24	-41.86	48.33	-	-	74	-25.67	66	107	H
* 1.04	59.69	VB10	24.2	2.24	-44.59	41.54	54	-12.46	-	-	15	127	H
* 1.04	60.31	VB10	24.2	2.24	-44.59	42.16	54	-11.84	-	-	324	138	V
* 1.17	58.4	VB10	24.9	2.24	-44.97	40.57	54	-13.43	-	-	37	136	V
* 1.17	59.46	VB10	24.9	2.24	-44.97	41.63	54	-12.37	-	-	335	186	H
* 1.235	58.35	VB10	25	2.24	-44.66	40.93	54	-13.07	-	-	314	129	H
* 1.235	58.52	VB10	25	2.24	-44.65	41.11	54	-12.89	-	-	6	110	V
* 1.3	62.18	VB10	25.1	2.24	-44.75	44.77	54	-9.23	-	-	327	111	V
* 1.3	63.23	VB10	25.1	2.24	-44.75	45.82	54	-8.18	-	-	329	116	H
* 1.365	62.89	VB10	25	2.24	-44.2	45.93	54	-8.07	-	-	323	154	H
* 1.365	58.57	VB10	25	2.24	-44.2	41.61	54	-12.39	-	-	38	147	V
* 2.34	56.18	VB10	21.1	2.24	-41.98	37.54	54	-16.46	-	-	294	109	H
* 2.36	59.56	VB10	21.1	2.24	-42.04	40.86	54	-13.14	-	-	301	136	H
* 2.5	58.3	VB10	21.4	2.24	-41.86	40.08	54	-13.92	-	-	66	107	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band
PK3 - FHSS Method: Maximum Peak
VB10Hz - FHSS Method: 10Hz Video Bandwidth

HARMONICS AND SPURIOUS EMISSIONS – MID CHANNEL

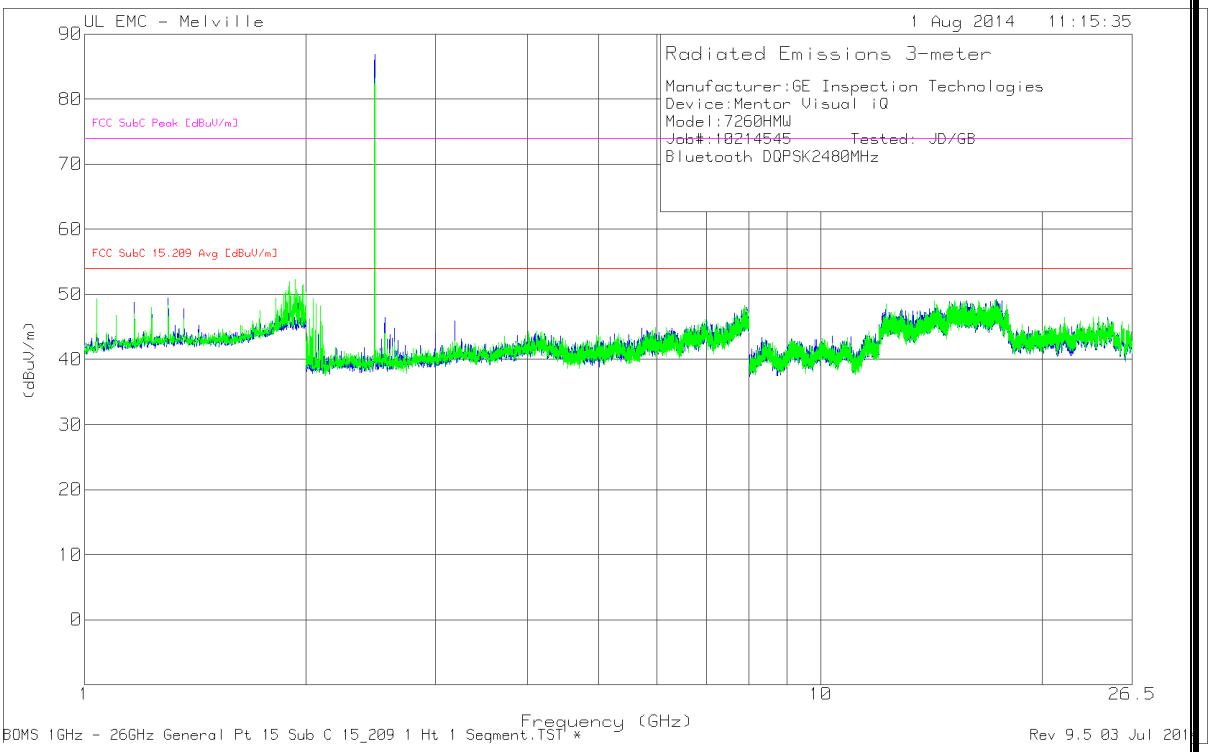


DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF [dB/m]	DC Corr (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	FCC SubC 15.209 Avg [dBuV/m]	Margin (dB)	FCC SubC Peak [dBuV/m]	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.04	73.88	PK3	24.2	2.24	-44.59	55.73	-	-	74	-18.27	15	127	H
* 1.04	71.37	PK3	24.2	2.24	-44.59	53.22	-	-	74	-20.78	324	138	V
* 1.105	69.33	PK3	24.6	2.24	-44.37	51.8	-	-	74	-22.2	311	102	V
* 1.105	67.61	PK3	24.6	2.24	-44.37	50.08	-	-	74	-23.92	328	189	H
* 1.105	56.37	VB10	24.6	2.24	-44.37	38.84	54	-15.16	-	-	311	102	V
* 1.105	54.61	VB10	24.6	2.24	-44.37	37.08	54	-16.92	-	-	328	189	H
* 1.17	72.2	PK3	24.9	2.24	-44.97	54.37	-	-	74	-19.63	37	136	V
* 1.17	74.56	PK3	24.9	2.24	-44.97	56.73	-	-	74	-17.27	335	186	H
* 1.235	70.41	PK3	25	2.24	-44.67	52.98	-	-	74	-21.02	314	129	H
* 1.235	69.73	PK3	25	2.24	-44.66	52.31	-	-	74	-21.69	6	110	V
* 1.3	72.31	PK3	25.1	2.24	-44.75	54.9	-	-	74	-19.1	327	111	V
* 1.3	72.51	PK3	25.1	2.24	-44.75	55.1	-	-	74	-18.9	329	116	H
* 1.365	70.23	PK3	25	2.24	-44.2	53.27	-	-	74	-20.73	323	154	H
* 1.365	66.75	PK3	25	2.24	-44.2	49.79	-	-	74	-24.21	38	147	V
* 2.34	66.54	PK3	21.1	2.24	-41.98	47.9	-	-	74	-26.1	294	109	H
* 2.36	67.32	PK3	21.1	2.24	-42.04	48.62	-	-	74	-25.38	301	136	H
* 2.5	66.55	PK3	21.4	2.24	-41.86	48.33	-	-	74	-25.67	66	107	H
* 1.04	59.69	VB10	24.2	2.24	-44.59	41.54	54	-12.46	-	-	15	127	H
* 1.04	60.31	VB10	24.2	2.24	-44.59	42.16	54	-11.84	-	-	324	138	V
* 1.17	58.4	VB10	24.9	2.24	-44.97	40.57	54	-13.43	-	-	37	136	V
* 1.17	59.46	VB10	24.9	2.24	-44.97	41.63	54	-12.37	-	-	335	186	H
* 1.235	58.35	VB10	25	2.24	-44.66	40.93	54	-13.07	-	-	314	129	H
* 1.235	58.52	VB10	25	2.24	-44.65	41.11	54	-12.89	-	-	6	110	V
* 1.3	62.18	VB10	25.1	2.24	-44.75	44.77	54	-9.23	-	-	327	111	V
* 1.3	63.23	VB10	25.1	2.24	-44.75	45.82	54	-8.18	-	-	329	116	H
* 1.365	62.89	VB10	25	2.24	-44.2	45.93	54	-8.07	-	-	323	154	H
* 1.365	58.57	VB10	25	2.24	-44.2	41.61	54	-12.39	-	-	38	147	V
* 2.34	56.18	VB10	21.1	2.24	-41.98	37.54	54	-16.46	-	-	294	109	H
* 2.36	59.56	VB10	21.1	2.24	-42.04	40.86	54	-13.14	-	-	301	136	H
* 2.5	58.3	VB10	21.4	2.24	-41.86	40.08	54	-13.92	-	-	66	107	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band
PK3 - FHSS Method: Maximum Peak
VB10Hz - FHSS Method: 10Hz Video Bandwidth

HARMONICS AND SPURIOUS EMISSIONS – HIGH CHANNEL



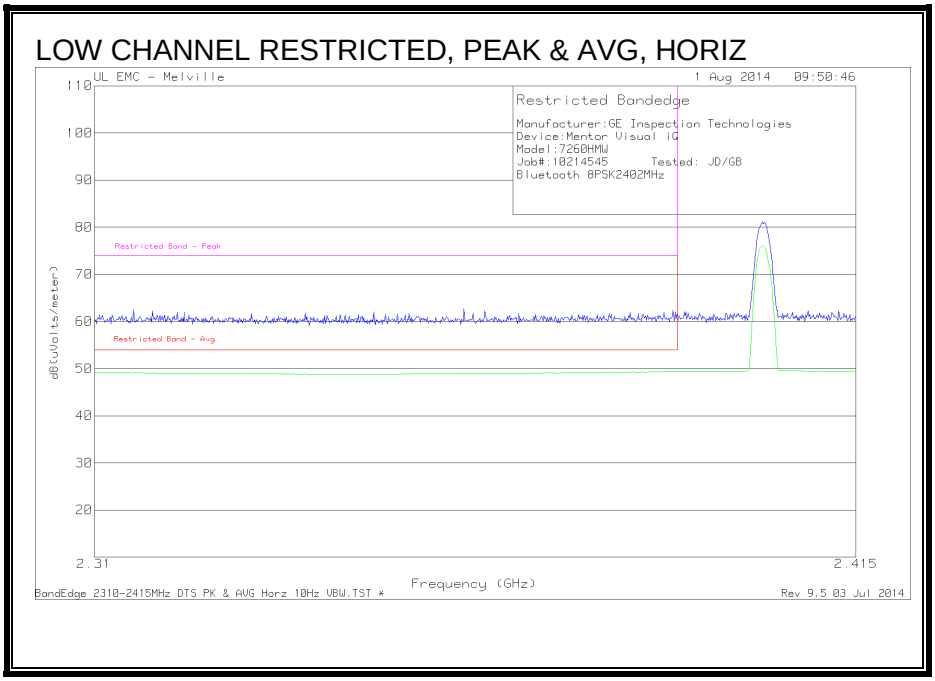
DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF [dB/m]	DC Corr (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	FCC SubC 15.209 Avg [dBuV/m]	Margin (dB)	FCC SubC Peak [dBuV/m]	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.04	73.88	PK3	24.2	2.24	-44.59	55.73	-	-	74	-18.27	15	127	H
* 1.04	71.37	PK3	24.2	2.24	-44.59	53.22	-	-	74	-20.78	324	138	V
* 1.105	69.33	PK3	24.6	2.24	-44.37	51.8	-	-	74	-22.2	311	102	V
* 1.105	67.61	PK3	24.6	2.24	-44.37	50.08	-	-	74	-23.92	328	189	H
* 1.105	56.37	VB10	24.6	2.24	-44.37	38.84	54	-15.16	-	-	311	102	V
* 1.105	54.61	VB10	24.6	2.24	-44.37	37.08	54	-16.92	-	-	328	189	H
* 1.17	72.2	PK3	24.9	2.24	-44.97	54.37	-	-	74	-19.63	37	136	V
* 1.17	74.56	PK3	24.9	2.24	-44.97	56.73	-	-	74	-17.27	335	186	H
* 1.235	70.41	PK3	25	2.24	-44.67	52.98	-	-	74	-21.02	314	129	H
* 1.235	69.73	PK3	25	2.24	-44.66	52.31	-	-	74	-21.69	6	110	V
* 1.3	72.31	PK3	25.1	2.24	-44.75	54.9	-	-	74	-19.1	327	111	V
* 1.3	72.51	PK3	25.1	2.24	-44.75	55.1	-	-	74	-18.9	329	116	H
* 1.365	70.23	PK3	25	2.24	-44.2	53.27	-	-	74	-20.73	323	154	H
* 1.365	66.75	PK3	25	2.24	-44.2	49.79	-	-	74	-24.21	38	147	V
* 2.34	66.54	PK3	21.1	2.24	-41.98	47.9	-	-	74	-26.1	294	109	H
* 2.36	67.32	PK3	21.1	2.24	-42.04	48.62	-	-	74	-25.38	301	136	H
* 2.5	66.55	PK3	21.4	2.24	-41.86	48.33	-	-	74	-25.67	66	107	H
* 1.04	59.69	VB10	24.2	2.24	-44.59	41.54	54	-12.46	-	-	15	127	H
* 1.04	60.31	VB10	24.2	2.24	-44.59	42.16	54	-11.84	-	-	324	138	V
* 1.17	58.4	VB10	24.9	2.24	-44.97	40.57	54	-13.43	-	-	37	136	V
* 1.17	59.46	VB10	24.9	2.24	-44.97	41.63	54	-12.37	-	-	335	186	H
* 1.235	58.35	VB10	25	2.24	-44.66	40.93	54	-13.07	-	-	314	129	H
* 1.235	58.52	VB10	25	2.24	-44.65	41.11	54	-12.89	-	-	6	110	V
* 1.3	62.18	VB10	25.1	2.24	-44.75	44.77	54	-9.23	-	-	327	111	V
* 1.3	63.23	VB10	25.1	2.24	-44.75	45.82	54	-8.18	-	-	329	116	H
* 1.365	62.89	VB10	25	2.24	-44.2	45.93	54	-8.07	-	-	323	154	H
* 1.365	58.57	VB10	25	2.24	-44.2	41.61	54	-12.39	-	-	38	147	V
* 2.34	56.18	VB10	21.1	2.24	-41.98	37.54	54	-16.46	-	-	294	109	H
* 2.36	59.56	VB10	21.1	2.24	-42.04	40.86	54	-13.14	-	-	301	136	H
* 2.5	58.3	VB10	21.4	2.24	-41.86	40.08	54	-13.92	-	-	66	107	H

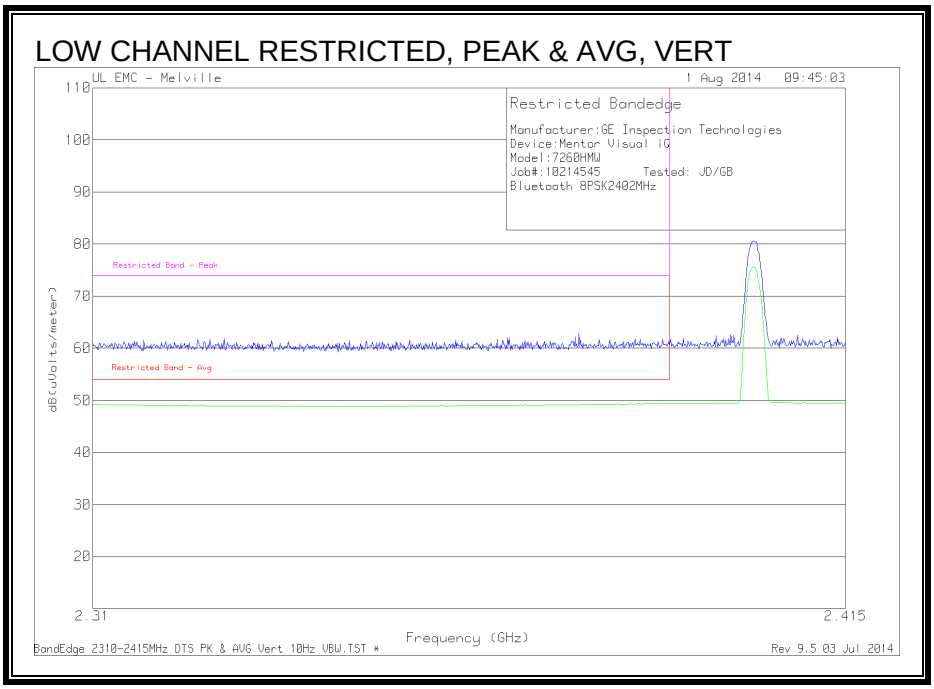
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band
PK3 - FHSS Method: Maximum Peak
VB10Hz - FHSS Method: 10Hz Video Bandwidth

8.2.3. ENHANCED DATA RATE 8PSK MODULATION

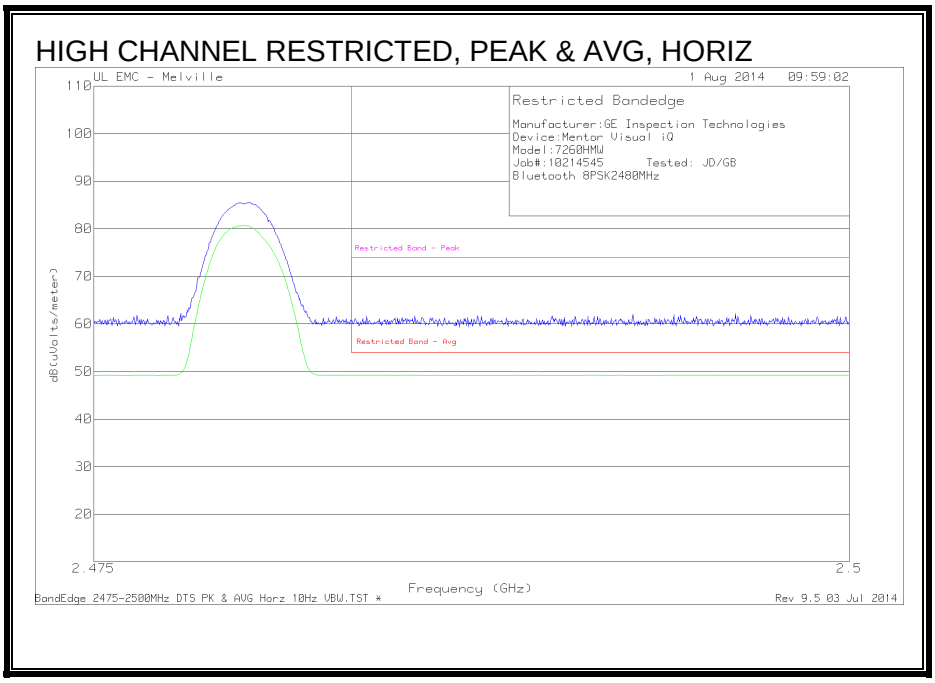
RESTRICTED BANDEDGE (LOW CHANNEL)



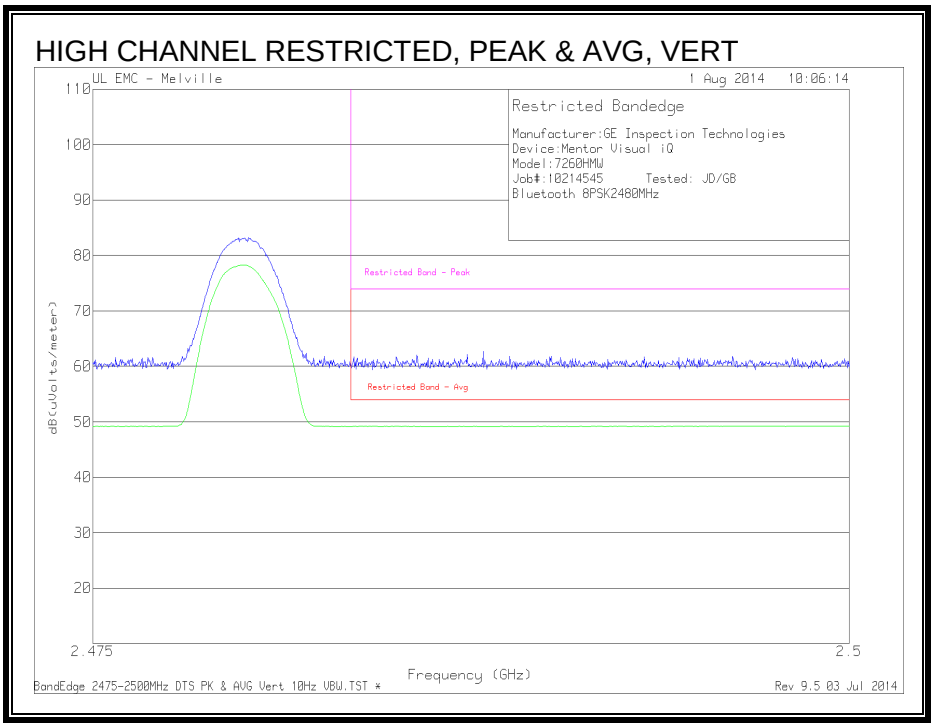
RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)



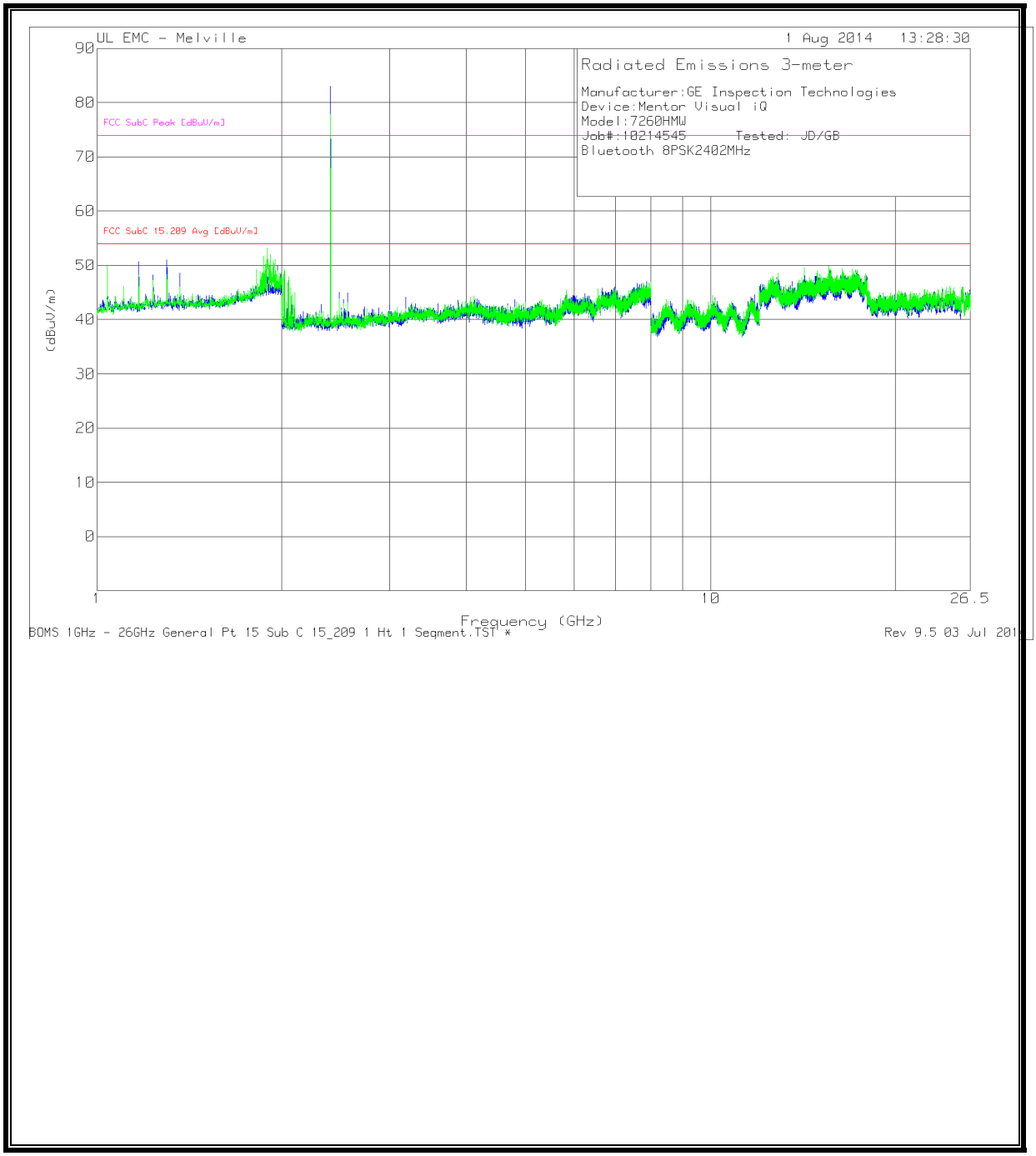
RESTRICTED BANDEDGE (HIGH CHANNEL, HORIZONTAL)



RESTRICTED BANDEDGE (HIGH CHANNEL, VERTICAL)



HARMONICS AND SPURIOUS EMISSIONS – LOW CHANNEL



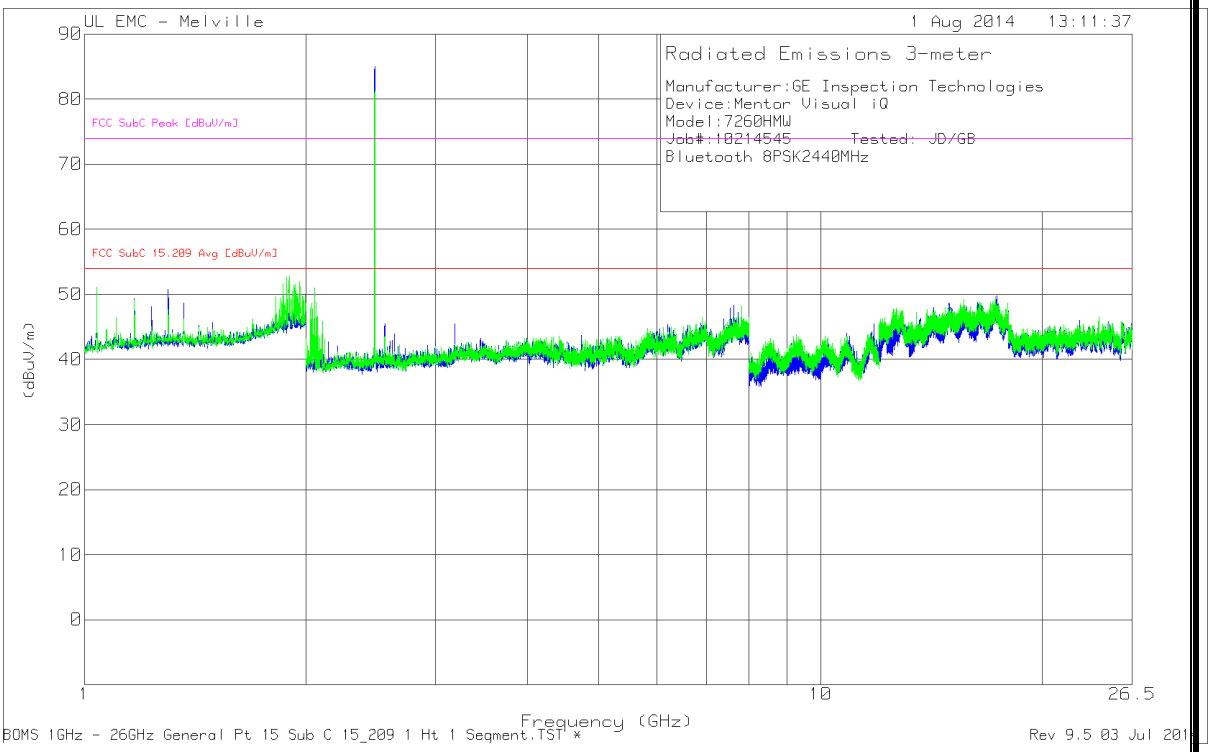
DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF [dB/m]	DC Corr (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	FCC SubC 15.209 Avg [dBuV/m]	Margin (dB)	FCC SubC Peak [dBuV/m]	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.04	73.88	PK3	24.2	2.24	-44.59	55.73	-	-	74	-18.27	15	127	H
* 1.04	71.37	PK3	24.2	2.24	-44.59	53.22	-	-	74	-20.78	324	138	V
* 1.105	69.33	PK3	24.6	2.24	-44.37	51.8	-	-	74	-22.2	311	102	V
* 1.105	67.61	PK3	24.6	2.24	-44.37	50.08	-	-	74	-23.92	328	189	H
* 1.105	56.37	VB10	24.6	2.24	-44.37	38.84	54	-15.16	-	-	311	102	V
* 1.105	54.61	VB10	24.6	2.24	-44.37	37.08	54	-16.92	-	-	328	189	H
* 1.17	72.2	PK3	24.9	2.24	-44.97	54.37	-	-	74	-19.63	37	136	V
* 1.17	74.56	PK3	24.9	2.24	-44.97	56.73	-	-	74	-17.27	335	186	H
* 1.235	70.41	PK3	25	2.24	-44.67	52.98	-	-	74	-21.02	314	129	H
* 1.235	69.73	PK3	25	2.24	-44.66	52.31	-	-	74	-21.69	6	110	V
* 1.3	72.31	PK3	25.1	2.24	-44.75	54.9	-	-	74	-19.1	327	111	V
* 1.3	72.51	PK3	25.1	2.24	-44.75	55.1	-	-	74	-18.9	329	116	H
* 1.365	70.23	PK3	25	2.24	-44.2	53.27	-	-	74	-20.73	323	154	H
* 1.365	66.75	PK3	25	2.24	-44.2	49.79	-	-	74	-24.21	38	147	V
* 2.34	66.54	PK3	21.1	2.24	-41.98	47.9	-	-	74	-26.1	294	109	H
* 2.36	67.32	PK3	21.1	2.24	-42.04	48.62	-	-	74	-25.38	301	136	H
* 2.5	66.55	PK3	21.4	2.24	-41.86	48.33	-	-	74	-25.67	66	107	H
* 1.04	59.69	VB10	24.2	2.24	-44.59	41.54	54	-12.46	-	-	15	127	H
* 1.04	60.31	VB10	24.2	2.24	-44.59	42.16	54	-11.84	-	-	324	138	V
* 1.17	58.4	VB10	24.9	2.24	-44.97	40.57	54	-13.43	-	-	37	136	V
* 1.17	59.46	VB10	24.9	2.24	-44.97	41.63	54	-12.37	-	-	335	186	H
* 1.235	58.35	VB10	25	2.24	-44.66	40.93	54	-13.07	-	-	314	129	H
* 1.235	58.52	VB10	25	2.24	-44.65	41.11	54	-12.89	-	-	6	110	V
* 1.3	62.18	VB10	25.1	2.24	-44.75	44.77	54	-9.23	-	-	327	111	V
* 1.3	63.23	VB10	25.1	2.24	-44.75	45.82	54	-8.18	-	-	329	116	H
* 1.365	62.89	VB10	25	2.24	-44.2	45.93	54	-8.07	-	-	323	154	H
* 1.365	58.57	VB10	25	2.24	-44.2	41.61	54	-12.39	-	-	38	147	V
* 2.34	56.18	VB10	21.1	2.24	-41.98	37.54	54	-16.46	-	-	294	109	H
* 2.36	59.56	VB10	21.1	2.24	-42.04	40.86	54	-13.14	-	-	301	136	H
* 2.5	58.3	VB10	21.4	2.24	-41.86	40.08	54	-13.92	-	-	66	107	H

Frequency (GHz)	Meter Reading (dBuV)	Det	AF [dB/m]	DC Corr (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	FCC SubC 15.209 Avg [dBuV/m]	Margin (dB)	FCC SubC Peak [dBuV/m]	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.322	64.9	PK3	21.1	2.24	-42.11	43.89	-	-	74	-30.11	360	126	H
* 1.365	67.18	PK3	25.2	2.24	-44.19	48.19	-	-	74	-25.81	300	146	V
* 2.322	53.35	VB10	21.1	2.24	-42.1	32.35	54	-21.65	-	-	360	126	H
* 1.365	58.43	VB10	25.2	2.24	-44.2	39.43	54	-14.57	-	-	300	146	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band
PK3 - FHSS Method: Maximum Peak
VB10Hz - FHSS Method: 10Hz Video Bandwidth

HARMONICS AND SPURIOUS EMISSIONS – MID CHANNEL



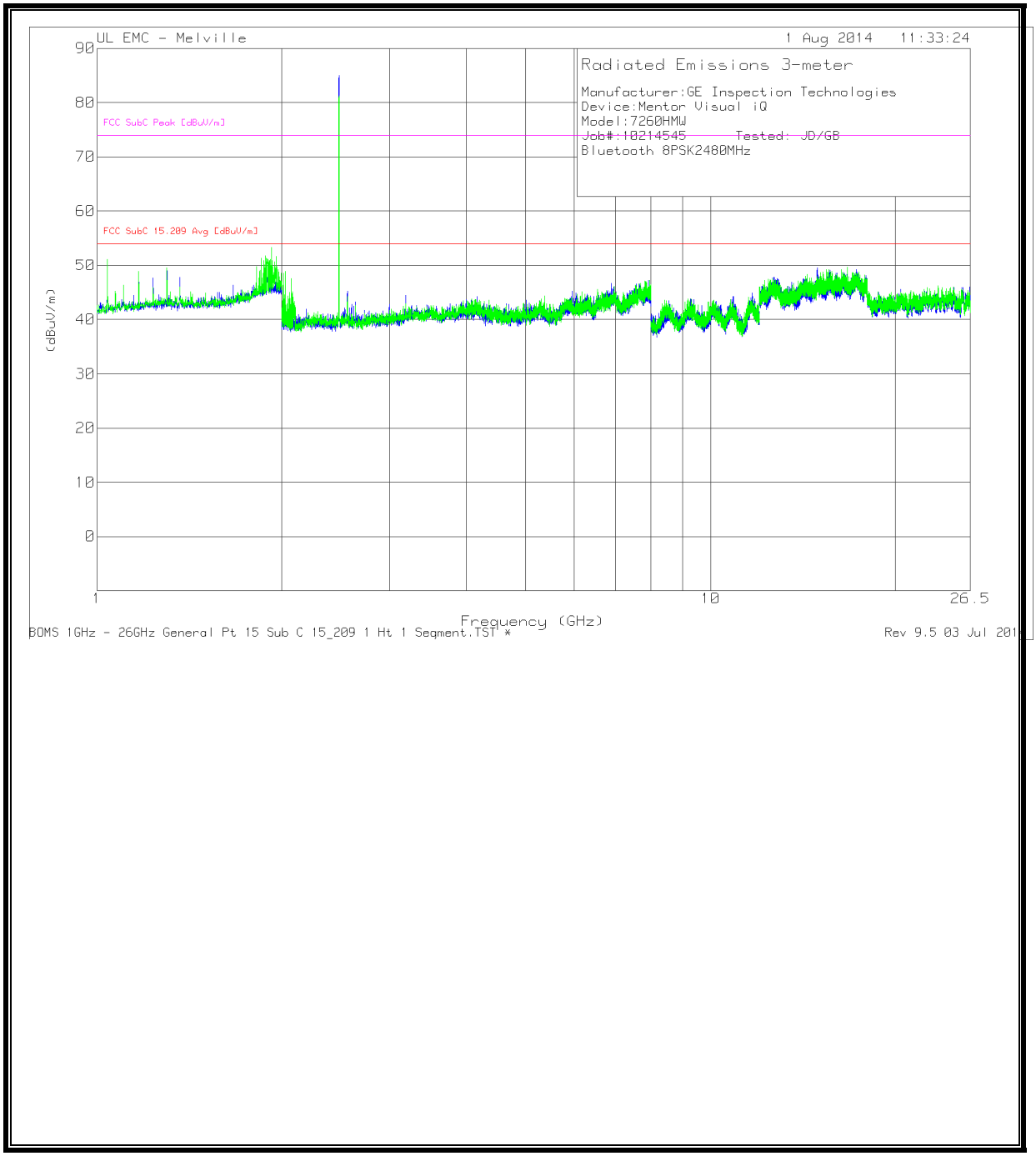
DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF [dB/m]	DC Corr (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	FCC SubC 15.209 Avg [dBuV/m]	Margin (dB)	FCC SubC Peak [dBuV/m]	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.04	73.88	PK3	24.2	2.24	-44.59	55.73	-	-	74	-18.27	15	127	H
* 1.04	71.37	PK3	24.2	2.24	-44.59	53.22	-	-	74	-20.78	324	138	V
* 1.105	69.33	PK3	24.6	2.24	-44.37	51.8	-	-	74	-22.2	311	102	V
* 1.105	67.61	PK3	24.6	2.24	-44.37	50.08	-	-	74	-23.92	328	189	H
* 1.105	56.37	VB10	24.6	2.24	-44.37	38.84	54	-15.16	-	-	311	102	V
* 1.105	54.61	VB10	24.6	2.24	-44.37	37.08	54	-16.92	-	-	328	189	H
* 1.17	72.2	PK3	24.9	2.24	-44.97	54.37	-	-	74	-19.63	37	136	V
* 1.17	74.56	PK3	24.9	2.24	-44.97	56.73	-	-	74	-17.27	335	186	H
* 1.235	70.41	PK3	25	2.24	-44.67	52.98	-	-	74	-21.02	314	129	H
* 1.235	69.73	PK3	25	2.24	-44.66	52.31	-	-	74	-21.69	6	110	V
* 1.3	72.31	PK3	25.1	2.24	-44.75	54.9	-	-	74	-19.1	327	111	V
* 1.3	72.51	PK3	25.1	2.24	-44.75	55.1	-	-	74	-18.9	329	116	H
* 1.365	70.23	PK3	25	2.24	-44.2	53.27	-	-	74	-20.73	323	154	H
* 1.365	66.75	PK3	25	2.24	-44.2	49.79	-	-	74	-24.21	38	147	V
* 2.34	66.54	PK3	21.1	2.24	-41.98	47.9	-	-	74	-26.1	294	109	H
* 2.36	67.32	PK3	21.1	2.24	-42.04	48.62	-	-	74	-25.38	301	136	H
* 2.5	66.55	PK3	21.4	2.24	-41.86	48.33	-	-	74	-25.67	66	107	H
* 1.04	59.69	VB10	24.2	2.24	-44.59	41.54	54	-12.46	-	-	15	127	H
* 1.04	60.31	VB10	24.2	2.24	-44.59	42.16	54	-11.84	-	-	324	138	V
* 1.17	58.4	VB10	24.9	2.24	-44.97	40.57	54	-13.43	-	-	37	136	V
* 1.17	59.46	VB10	24.9	2.24	-44.97	41.63	54	-12.37	-	-	335	186	H
* 1.235	58.35	VB10	25	2.24	-44.66	40.93	54	-13.07	-	-	314	129	H
* 1.235	58.52	VB10	25	2.24	-44.65	41.11	54	-12.89	-	-	6	110	V
* 1.3	62.18	VB10	25.1	2.24	-44.75	44.77	54	-9.23	-	-	327	111	V
* 1.3	63.23	VB10	25.1	2.24	-44.75	45.82	54	-8.18	-	-	329	116	H
* 1.365	62.89	VB10	25	2.24	-44.2	45.93	54	-8.07	-	-	323	154	H
* 1.365	58.57	VB10	25	2.24	-44.2	41.61	54	-12.39	-	-	38	147	V
* 2.34	56.18	VB10	21.1	2.24	-41.98	37.54	54	-16.46	-	-	294	109	H
* 2.36	59.56	VB10	21.1	2.24	-42.04	40.86	54	-13.14	-	-	301	136	H
* 2.5	58.3	VB10	21.4	2.24	-41.86	40.08	54	-13.92	-	-	66	107	H

Frequency (GHz)	Meter Reading (dBuV)	Det	AF [dB/m]	DC Corr (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	FCC SubC 15.209 Avg [dBuV/m]	Margin (dB)	FCC SubC Peak [dBuV/m]	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.322	64.9	PK3	21.1	2.24	-42.11	43.89	-	-	74	-30.11	360	126	H
* 1.365	67.18	PK3	25.2	2.24	-44.19	48.19	-	-	74	-25.81	300	146	V
* 2.322	53.35	VB10	21.1	2.24	-42.1	32.35	54	-21.65	-	-	360	126	H
* 1.365	58.43	VB10	25.2	2.24	-44.2	39.43	54	-14.57	-	-	300	146	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band
PK3 - FHSS Method: Maximum Peak
VB10Hz - FHSS Method: 10Hz Video Bandwidth

HARMONICS AND SPURIOUS EMISSIONS – HIGH CHANNEL



DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF [dB/m]	DC Corr (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	FCC SubC 15.209 Avg [dBuV/m]	Margin (dB)	FCC SubC Peak [dBuV/m]	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.04	73.88	PK3	24.2	2.24	-44.59	55.73	-	-	74	-18.27	15	127	H
* 1.04	71.37	PK3	24.2	2.24	-44.59	53.22	-	-	74	-20.78	324	138	V
* 1.105	69.33	PK3	24.6	2.24	-44.37	51.8	-	-	74	-22.2	311	102	V
* 1.105	67.61	PK3	24.6	2.24	-44.37	50.08	-	-	74	-23.92	328	189	H
* 1.105	56.37	VB10	24.6	2.24	-44.37	38.84	54	-15.16	-	-	311	102	V
* 1.105	54.61	VB10	24.6	2.24	-44.37	37.08	54	-16.92	-	-	328	189	H
* 1.17	72.2	PK3	24.9	2.24	-44.97	54.37	-	-	74	-19.63	37	136	V
* 1.17	74.56	PK3	24.9	2.24	-44.97	56.73	-	-	74	-17.27	335	186	H
* 1.235	70.41	PK3	25	2.24	-44.67	52.98	-	-	74	-21.02	314	129	H
* 1.235	69.73	PK3	25	2.24	-44.66	52.31	-	-	74	-21.69	6	110	V
* 1.3	72.31	PK3	25.1	2.24	-44.75	54.9	-	-	74	-19.1	327	111	V
* 1.3	72.51	PK3	25.1	2.24	-44.75	55.1	-	-	74	-18.9	329	116	H
* 1.365	70.23	PK3	25	2.24	-44.2	53.27	-	-	74	-20.73	323	154	H
* 1.365	66.75	PK3	25	2.24	-44.2	49.79	-	-	74	-24.21	38	147	V
* 2.34	66.54	PK3	21.1	2.24	-41.98	47.9	-	-	74	-26.1	294	109	H
* 2.36	67.32	PK3	21.1	2.24	-42.04	48.62	-	-	74	-25.38	301	136	H
* 2.5	66.55	PK3	21.4	2.24	-41.86	48.33	-	-	74	-25.67	66	107	H
* 1.04	59.69	VB10	24.2	2.24	-44.59	41.54	54	-12.46	-	-	15	127	H
* 1.04	60.31	VB10	24.2	2.24	-44.59	42.16	54	-11.84	-	-	324	138	V
* 1.17	58.4	VB10	24.9	2.24	-44.97	40.57	54	-13.43	-	-	37	136	V
* 1.17	59.46	VB10	24.9	2.24	-44.97	41.63	54	-12.37	-	-	335	186	H
* 1.235	58.35	VB10	25	2.24	-44.66	40.93	54	-13.07	-	-	314	129	H
* 1.235	58.52	VB10	25	2.24	-44.65	41.11	54	-12.89	-	-	6	110	V
* 1.3	62.18	VB10	25.1	2.24	-44.75	44.77	54	-9.23	-	-	327	111	V
* 1.3	63.23	VB10	25.1	2.24	-44.75	45.82	54	-8.18	-	-	329	116	H
* 1.365	62.89	VB10	25	2.24	-44.2	45.93	54	-8.07	-	-	323	154	H
* 1.365	58.57	VB10	25	2.24	-44.2	41.61	54	-12.39	-	-	38	147	V
* 2.34	56.18	VB10	21.1	2.24	-41.98	37.54	54	-16.46	-	-	294	109	H
* 2.36	59.56	VB10	21.1	2.24	-42.04	40.86	54	-13.14	-	-	301	136	H
* 2.5	58.3	VB10	21.4	2.24	-41.86	40.08	54	-13.92	-	-	66	107	H

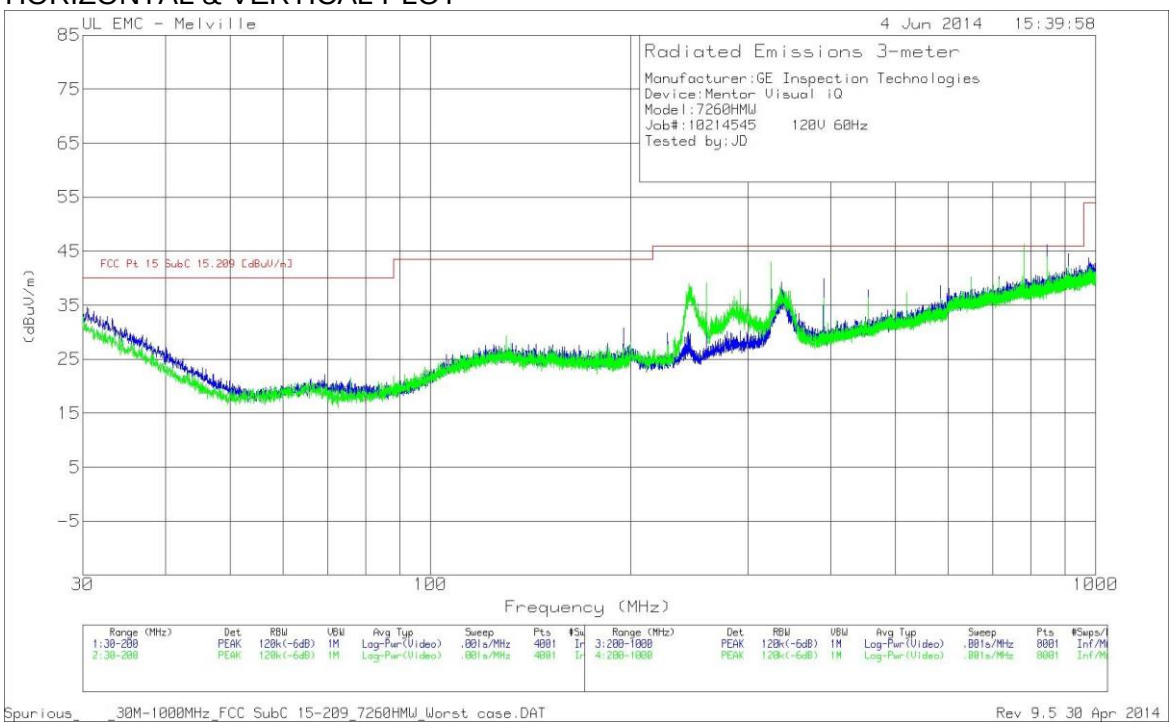
Frequency (GHz)	Meter Reading (dBuV)	Det	AF [dB/m]	DC Corr (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	FCC SubC 15.209 Avg [dBuV/m]	Margin (dB)	FCC SubC Peak [dBuV/m]	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.322	64.9	PK3	21.1	2.24	-42.11	43.89	-	-	74	-30.11	360	126	H
* 1.365	67.18	PK3	25.2	2.24	-44.19	48.19	-	-	74	-25.81	300	146	V
* 2.322	53.35	VB10	21.1	2.24	-42.1	32.35	54	-21.65	-	-	360	126	H
* 1.365	58.43	VB10	25.2	2.24	-44.2	39.43	54	-14.57	-	-	300	146	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band
PK3 - FHSS Method: Maximum Peak
VB10Hz - FHSS Method: 10Hz Video Bandwidth

8.3 WORST-CASE BELOW 1 GHz

SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION)

HORIZONTAL & VERTICAL PLOT



HORIZONTAL & VERTICAL DATA

Frequency (MHz)	Meter Reading (dBuV)	Det	AF-84106 [dB/m]	GL [dB]	Corrected Reading (dBuV/m)	FCC Pt 15 SubC 15.209 [dBuV/m]	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
823	-2	QP	22	4.5	24.5	46	-21.5	307	152	H
844.9852	12.66	QP	22.3	4.6	39.56	46	-6.44	359	228	H
259.9953	22.34	QP	12.9	2.4	37.64	46	-8.36	3	219	V
650.0345	19.01	QP	19.6	3.9	42.51	46	-3.49	8	211	V
779.9886	17.15	QP	21.2	4.4	42.75	46	-3.25	44	109	V
844.9876	12.38	QP	21.6	4.6	38.58	46	-7.42	46	120	V