



**FCC 47 CFR PART 15 SUBPART C**  
**MANUFACTURER'S TEST REPORT**  
**FOR**  
**WIRELESS DOOR/WINDOW CONTACT**  
**MODEL NUMBER: RF6CT**

**FCC ID: CFS8DLRF6C**  
**REPORT NUMBER: R10806470-E1A**  
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*Prepared for*  
**HONEYWELL SECURITY**  
**2 CORPORATE CENTER DR**  
**SUITE 100 PO BOX 9040**  
**MELVILLE**  
**NY, 11747, USA**

*Prepared by*  
**UL LLC**  
**12 LABORATORY DR.**  
**RESEARCH TRIANGLE PARK, NC 27709 USA**  
**TEL: (919) 549-1400**



NVLAP Lab code: 200246-0

Revision History

<u>Rev.</u>	<u>Issue Date</u>	<u>Revisions</u>	<u>Revised By</u>
--	2015-06-23	Initial Issue	Jeff Moser
1	2015-06-25	Revised Duty Cycle statement regarding documentation on page 11.	Jeff Moser

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# 1. ATTESTATION OF TEST RESULTS

**COMPANY NAME:** HONEYWELL SECURITY  
2 CORPORATE CENTER DR  
SUITE 100 PO BOX 9040  
MELVILLE, NY, 11747, USA

**EUT DESCRIPTION:** WIRELESS DOOR/WINDOW CONTACT

**MODEL:** RF6CT

**SERIAL NUMBER:** C (Unit 1), B (Unit 2)

**DATE TESTED:** June 03-08, 2015

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
CFR 47 Part 15 Subpart C (Radiated emissions only)	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 LLC By:

Prepared By:



Bob DeLisi  
Certification Engineer  
UL – Consumer Technology Division

Jeff Moser  
EMC Program Manager  
UL – 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 and FCC CFR 47 Part 15. This report is a manufacturer's specification report that includes radiated emissions, only.

Note – Radiated testing above 1GHz was performed on a 1.5m table height, per ANSI C63.10: 2013. All other testing was performed per ANSI C63.10: 2009.

## 3. FACILITIES AND ACCREDITATION

The test sites and measurement facilities used to collect data are located at 12 Laboratory Dr., Research Triangle Park, NC 27709, USA.

12 Laboratory Dr., RTP, NC 27709	
<input type="checkbox"/>	Chamber A
<input checked="" type="checkbox"/>	Chamber C

UL LLC (RTP) is accredited by NVLAP, Laboratory Code 200246-0. The full scope of accreditation can be viewed at <http://ts.nist.gov/standards/scopes/2002460.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:

$$\begin{aligned} \text{Field Strength (dBuV/m)} &= \text{Measured Voltage (dBuV)} + \text{Antenna Factor (dB/m)} + \\ &\text{Cable Loss (dB)} - \text{Preamp Gain (dB)} \\ 36.5 \text{ dBuV} + 18.7 \text{ dB/m} + 0.6 \text{ dB} - 26.9 \text{ dB} &= 28.9 \text{ dBuV/m} \end{aligned}$$

### 4.3. MEASUREMENT UNCERTAINTY

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

Test	Uncertainty
Radiated Emissions (30-1000 MHz)	+/- 6.04 dB (3m)
Radiated Emissions (1-6 GHz)	+/- 5.96 dB
Radiated Emissions (6-18 GHz)	+/- 6.10 dB
Radiated Emissions (18-26 GHz)	+/- 6.81 dB

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

## **5. EQUIPMENT UNDER TEST**

### **5.1. DESCRIPTION OF EUT**

The EUT is a wireless door/window contact for security purposes. The device contains an 802.15.4 Zigbee transceiver.

### **5.2. DESCRIPTION OF AVAILABLE ANTENNAS**

The radio utilizes two PIF A antennas, connected one at a time, with a maximum gain of 2.6 dBi and 4.8 dBi.

### **5.3. SOFTWARE AND FIRMWARE**

The firmware installed in the EUT during testing was 500-02185, rev. C.

The test utility software used during testing was RF6CT\_JN5168.bin, rev. 0.5.8.

### **5.4. WORST-CASE CONFIGURATION AND MODE**

Radiated emission was performed with the EUT set to transmit at the channel with highest output power as worst-case scenario.

The fundamental of the EUT was investigated in three orthogonal orientations X,Y,Z, for each antenna. It was determined that the X orientation was the worst-case orientation for ANT1 and the Y orientation the worst-case for ANT2. Therefore, all final radiated testing was performed with the EUT in X orientation for ANT1 and the Y orientation for ANT2.

## 5.5. DESCRIPTION OF TEST SETUP

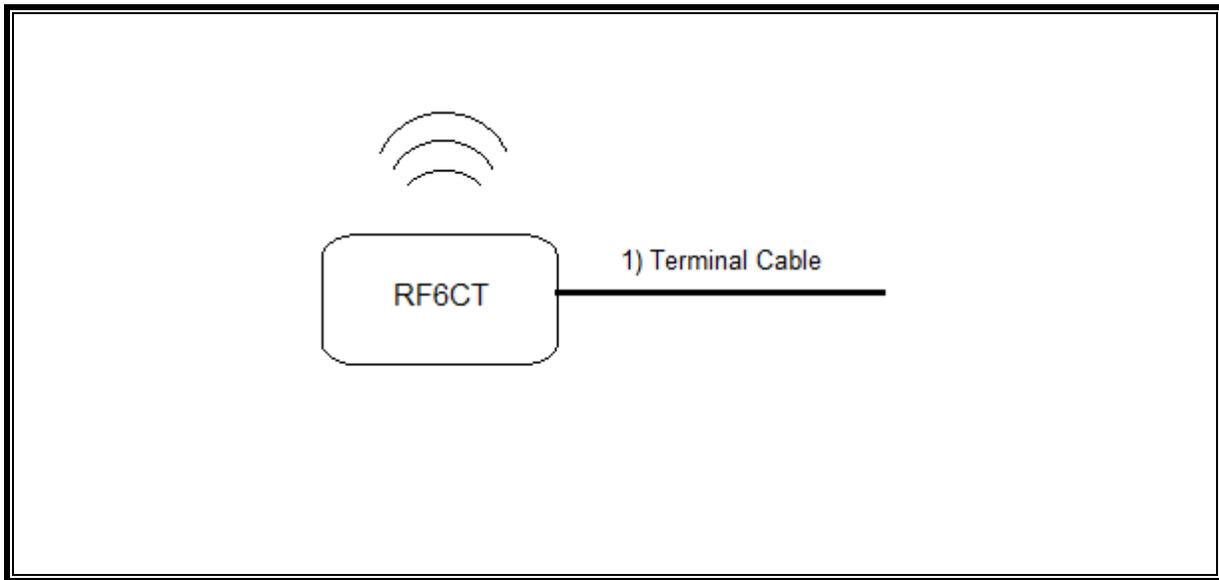
### I/O CABLES

I/O Cable List						
Cable No	Port	# of identical ports	Connector Type	Cable Type	Cable Length (m)	Remarks
1	Terminal	1	1	Signal	1	This cable is for wired connections. It was unterminated for testing (two leads shorted together).

### TEST SETUP

The EUT is installed as a table top device. Test software exercised the radio card.

**SETUP DIAGRAM FOR TESTS**



## 6. TEST AND MEASUREMENT EQUIPMENT

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

### Radiated Emission Measurement Equipment

Equip. ID	Description	Manufacturer	Model Number	Last Cal.	Next Cal.
AT0066	Hybrid Broadband Antenna	Sunol Sciences Corp.	JB1	2014-07-10	2015-07-31
AT0062	Double-Ridged Waveguide Horn Antenna, 1 to 18 GHz	ETS Lindgren	3117	2014-07-22	2015-07-31
AT0063	Horn Antenna, 18-26.5GHz	ARA	MWH-1826/B	2014-07-23	2015-07-31
SAC_G (Hybrid)	Gain-Loss string for Hybrid antenna at 3m	Various	Various	2015-02-01	2016-02-29
SAC_G (3117)	Gain-Loss string for 3117 antenna at 3m	Various	Various	2015-02-01	2016-02-29
AMP012	18-40GHz preamp	Miteq	JS44-18004000-33-8P	2014-07-18	2015-07-31
CBL252980-001	SF104A/11PC35/PC35/6706mm (22-ft.) DC-26.5GHz	Huber & Suhner	SUCOFLEX 104PEA	2014-07-21	2015-07-31
CBL252981-001	SF104A/11PC35/11PC35/1219mm (4-ft.) DC-26.5GHz	Huber & Suhner	SUCOFLEX 104PEA	2014-07-21	2015-07-31
SA0018	Spectrum Analyzer	Agilent	N9030A	2014-06-26	2015-06-30
SOFTEMI	EMI Software	UL	Version 9.5	NA	NA
HI0069	Temp/Humid/Pressure Meter	Cole-Parmer	99760-00	2014-06-27	2015-06-27

## 7. ON TIME AND DUTY CYCLE RESULTS

### LIMITS

None; for reporting purposes only.

### ON TIME AND DUTY CYCLE

The manufacturer stated that the device will be limited to a worst-case duty cycle (DC) of 6.976%. Hence a duty-cycle correction factor as described in FCC Part 15, Section 15.35(c) (RSS-Gen 6.10) was used to calculate an average value as follow:

$$\text{Average Value [dBuV/m]} = \text{Peak Value [dBuV/m]} + 20 \cdot \log(\text{DC}/100)$$

$$\text{Average Value [dBuV/m]} = \text{Peak Value [dBuV/m]} + 20 \cdot \log(6.976/100)$$

$$\text{Average Value [dBuV/m]} = \text{Peak Value [dBuV/m]} - 23.1 \text{dB}$$

Justification for use of 15.35(c) and measurements of worst case duty cycle to be supplied, in a separate document, by Honeywell

## 8. RADIATED TEST RESULTS

### 8.1. LIMITS AND PROCEDURE

#### 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
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 for below 1GHz measurements and 1.5 m above the ground plane for above 1GHz measurements. The antenna to EUT distance is 3 meters.

For measurements below 1 GHz the resolution bandwidth is set to 120 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; the video bandwidth is set to 1 MHz for peak measurements and as applicable for average measurements.

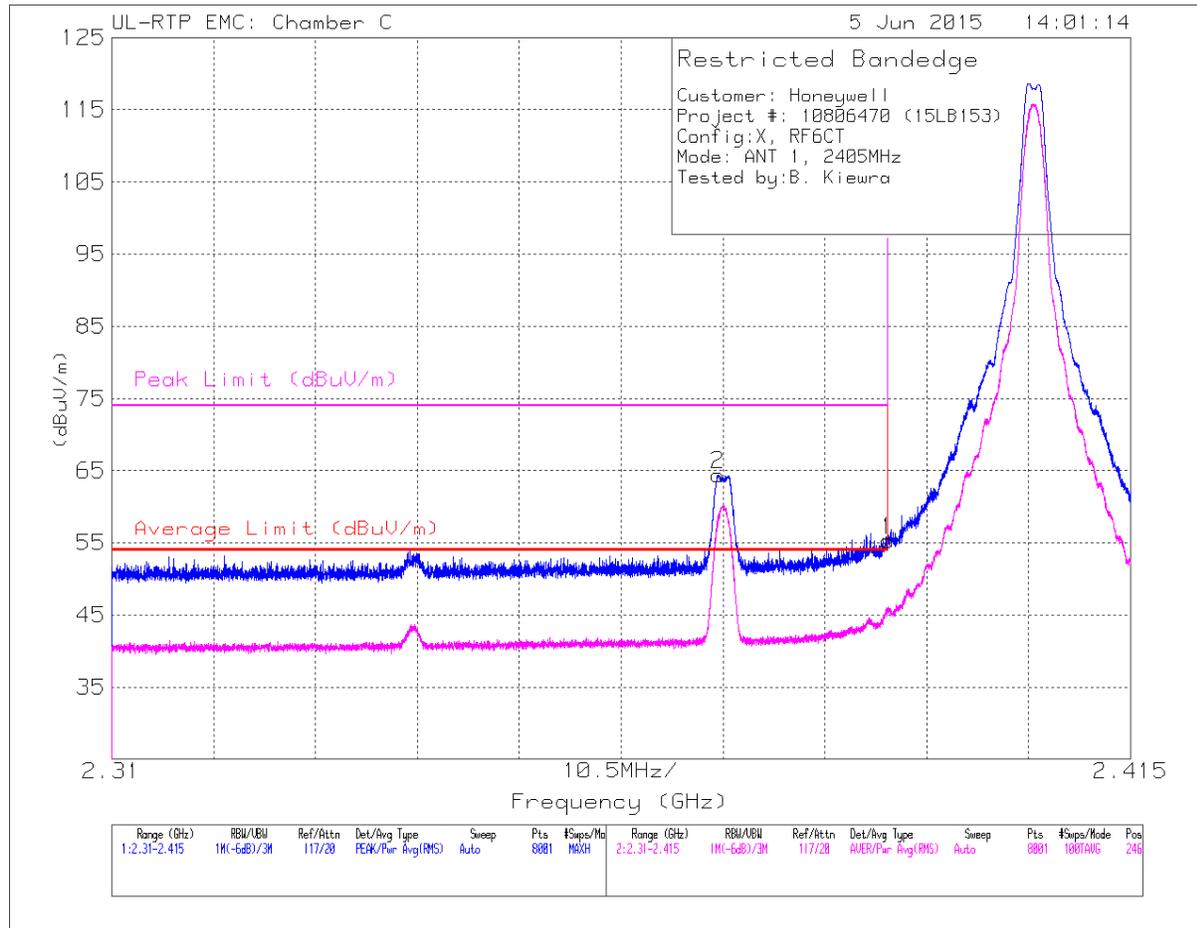
The spectrum from 30 MHz to 26 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band.

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.

## 8.2. TRANSMITTER ABOVE 1 GHz

### 8.2.1. TX ABOVE 1 GHz FOR 802.15.4 MODE IN THE 2.4 GHz BAND

#### RESTRICTED BANDEDGE (LOW CHANNEL, HORIZONTAL) – ANT1



Note - Average measurements were made to show that there were no other emissions hidden in the peak noise floor.

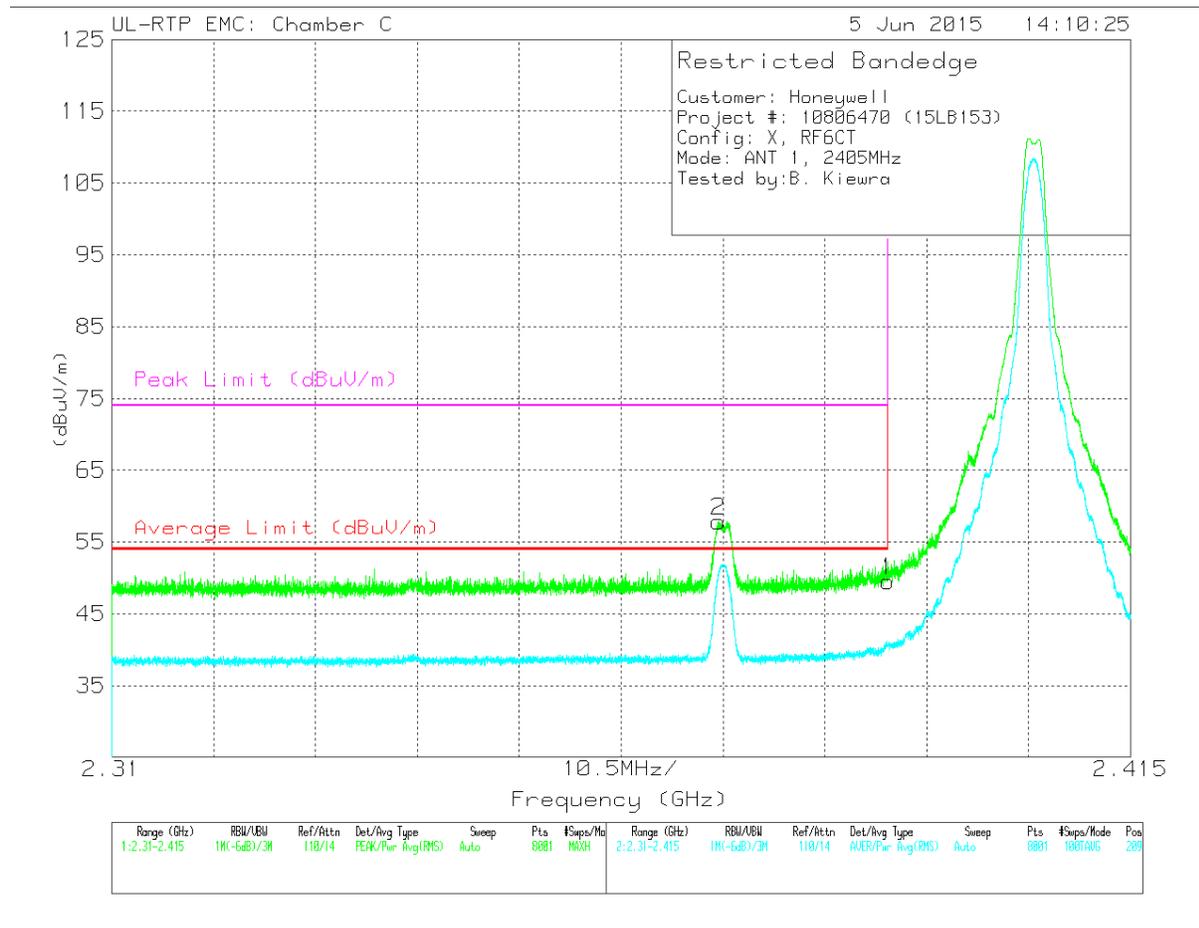
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0062 (dB/m)	Amp/Cbl/ Ftr/Pad	DCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	49.91	Pk	32.1	-26.7	0	55.31	-	-	74	-18.69	246	103	H
	* 2.39	49.91	AV	32.1	-26.7	-23.1	32.21	54	-21.79	-	-	246	103	H
2	* 2.373	59.16	Pk	32	-26.7	0	64.46	-	-	74	-9.54	246	103	H
	* 2.373	59.16	AV	32	-26.7	-23.1	41.36	54	-12.64	-	-	246	103	H

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

AV – Average calculated using  $AV = PK + 20\log(DC)$ . Where  $DC = 0.06976$ .

**RESTRICTED BANDEGE (LOW CHANNEL, VERTICAL) – ANT1**



Note - Average measurements were made to show that there were no other emissions hidden in the peak noise floor.

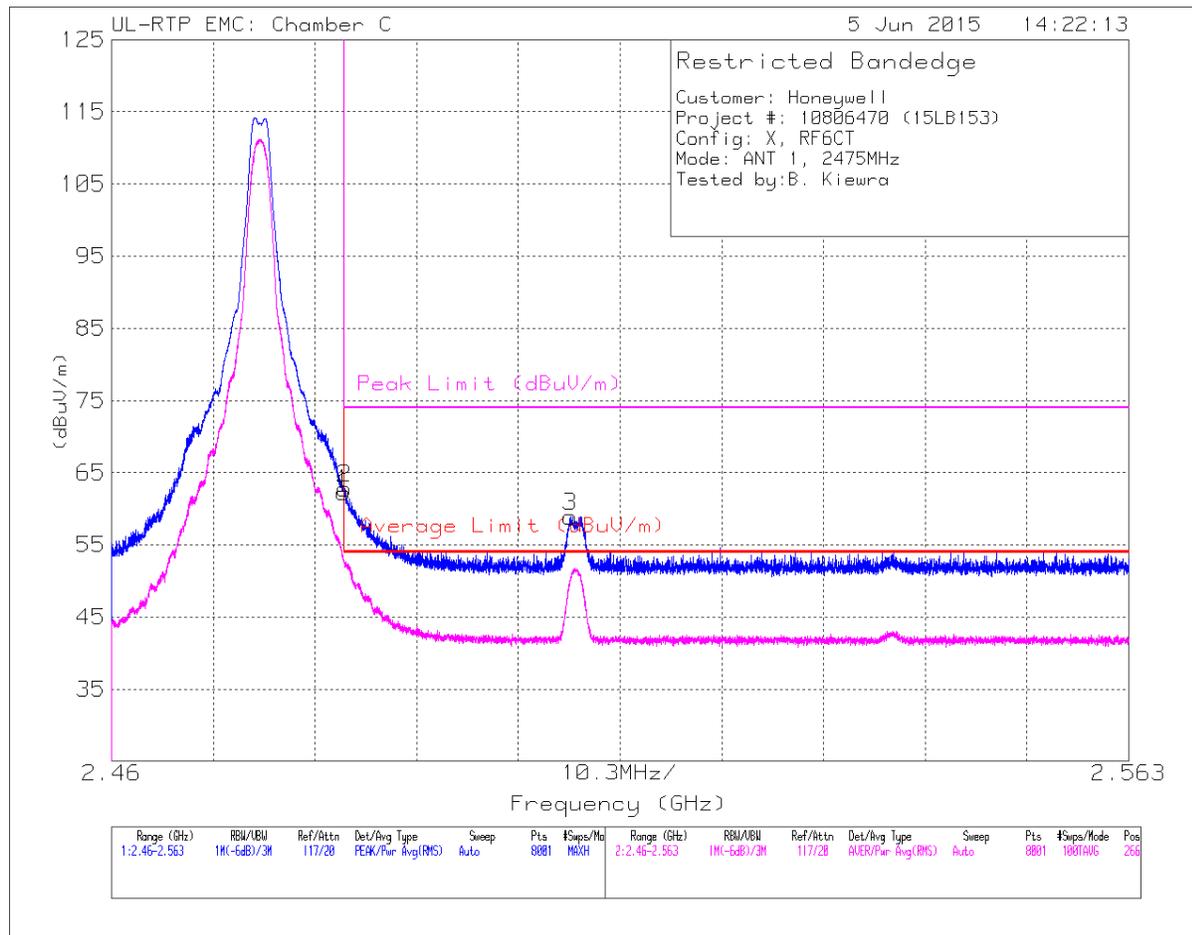
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0062 (dB/m)	Amp/Cbl/Filtr/Pad	DCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	44.13	Pk	32.1	-26.7	0	49.53	-	-	74	-24.47	209	386	V
	* 2.39	44.13	AV	32.1	-26.7	-23.1	26.43	54	-27.57	-	-	209	386	V
2	* 2.373	52.59	Pk	32	-26.7	0	57.89	-	-	74	-16.11	209	386	V
	* 2.373	52.59	AV	32	-26.7	-23.1	34.79	54	-19.21	-	-	209	386	V

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

AV – Average calculated using  $AV = PK + 20\log(DC)$ . Where  $DC = 0.06976$ .

**RESTRICTED BANDEGE (HIGH CHANNEL, HORIZONTAL) – ANT1**



Note - Average measurements were made to show that there were no other emissions hidden in the peak noise floor.

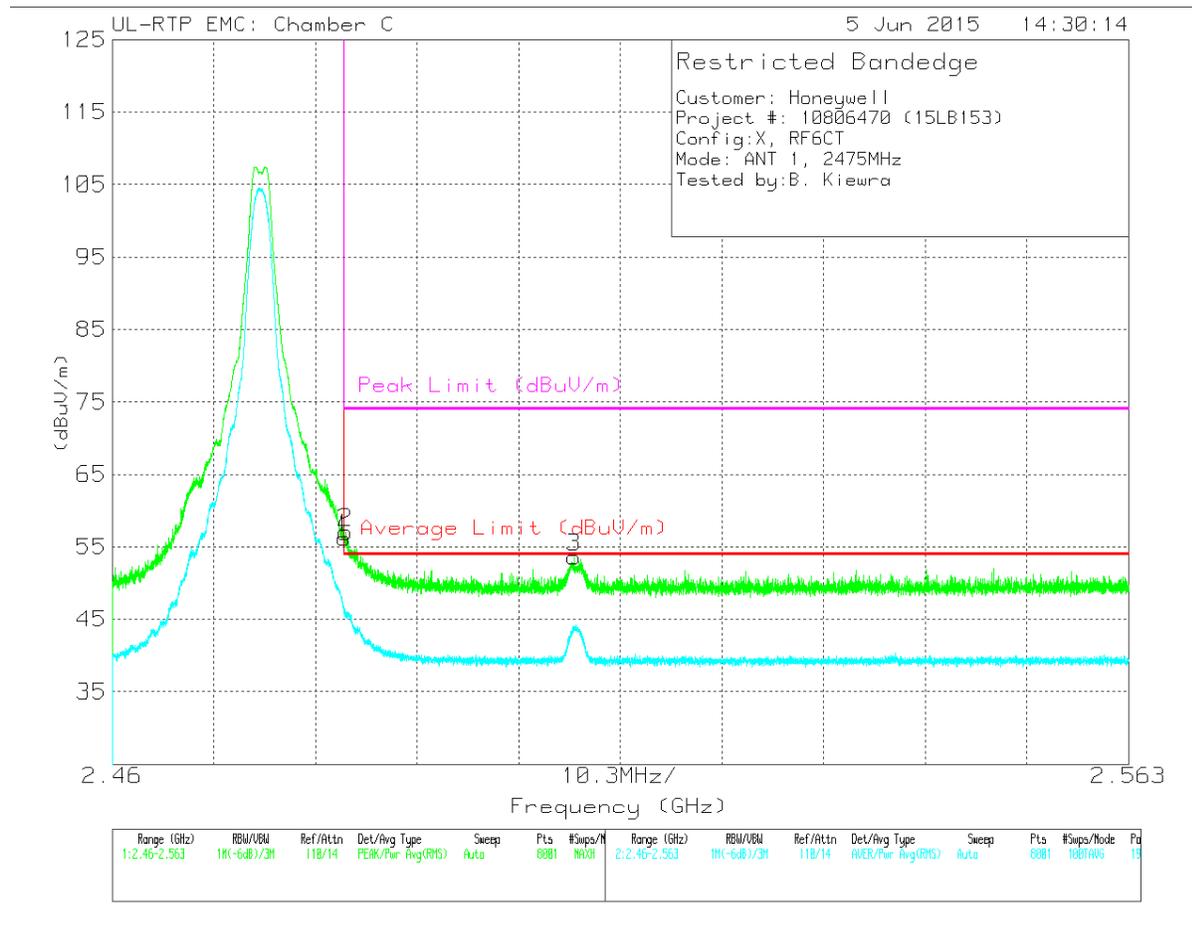
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0062 (dB/m)	Amp/Cbl/Ftr/Pad	DCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	56.45	Pk	32.3	-26.5	0	62.25	-	-	74	-11.75	266	130	H
	* 2.484	56.45	AV	32.3	-26.5	-23.1	39.15	54	-14.85	-	-	266	130	H
2	* 2.484	57.05	Pk	32.3	-26.5	0	62.85	-	-	74	-11.15	266	130	H
	* 2.484	57.05	AV	32.3	-26.5	-23.1	39.75	54	-14.25	-	-	266	130	H
3	2.507	52.29	Pk	32.4	-26.4	0	58.29	-	-	74	-15.71	266	130	H

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

AV – Average calculated using  $AV = PK + 20\log(DC)$ . Where  $DC = 0.06976$ .

**RESTRICTED BANDEDGE (HIGH CHANNEL, VERTICAL) – ANT1**



Note - Average measurements were made to show that there were no other emissions hidden in the peak noise floor.

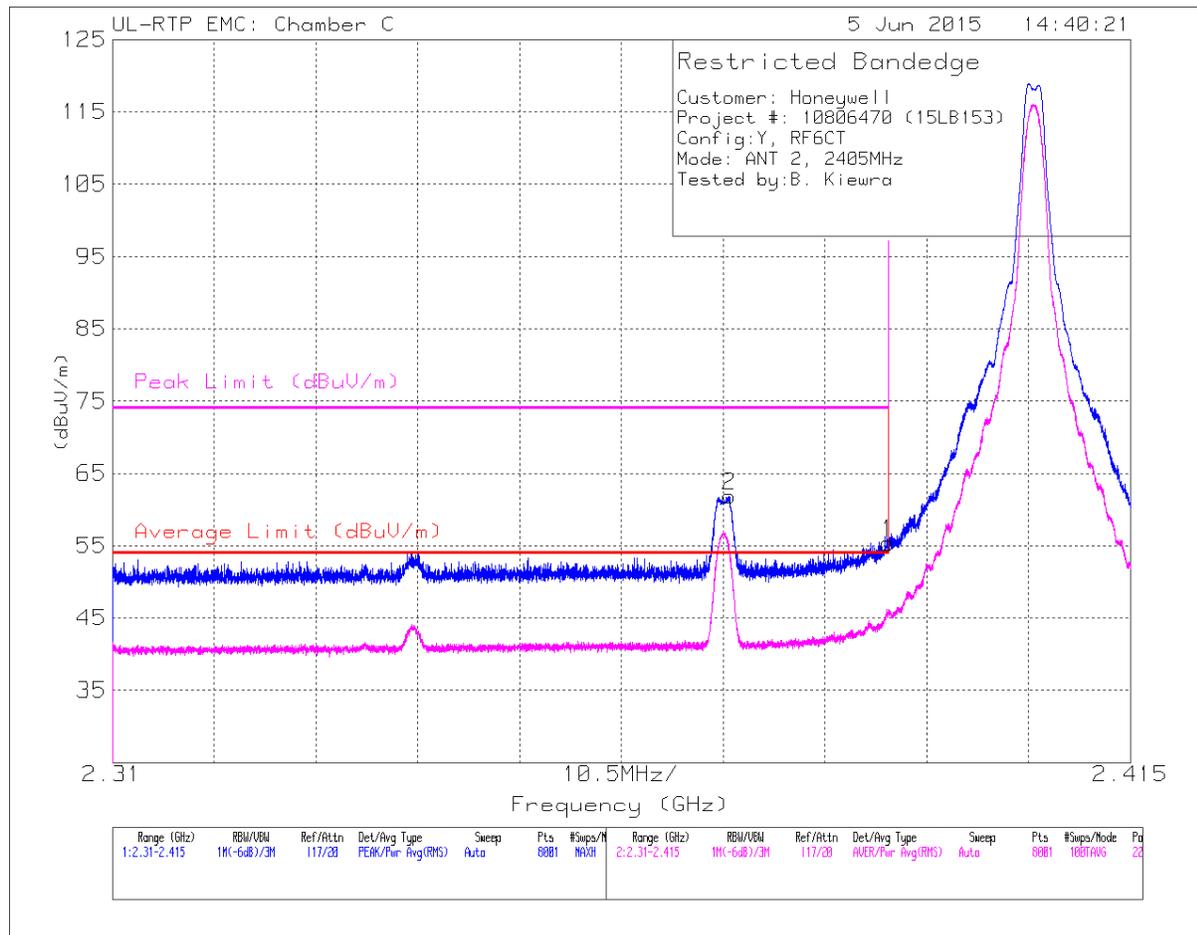
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0062 (dB/m)	Amp/Cbl/Filtr/Pad	DCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	50.41	Pk	32.3	-26.5	0	56.21	-	-	74	-17.79	194	400	V
	* 2.484	50.41	AV	32.3	-26.5	-23.1	33.11	54	-20.89	-	-	194	400	V
2	* 2.484	51.19	Pk	32.3	-26.5	0	56.99	-	-	74	-17.01	194	400	V
	* 2.484	51.19	AV	32.3	-26.5	-23.1	33.89	54	-20.11	-	-	194	400	V
3	2.507	47.59	Pk	32.4	-26.4	0	53.59	-	-	74	-20.41	194	400	V

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

AV – Average calculated using  $AV = PK + 20\log(DC)$ . Where  $DC = 0.06976$ .

**RESTRICTED BANDEDGE (LOW CHANNEL, HORIZONTAL) – ANT2**



Note - Average measurements were made to show that there were no other emissions hidden in the peak noise floor.

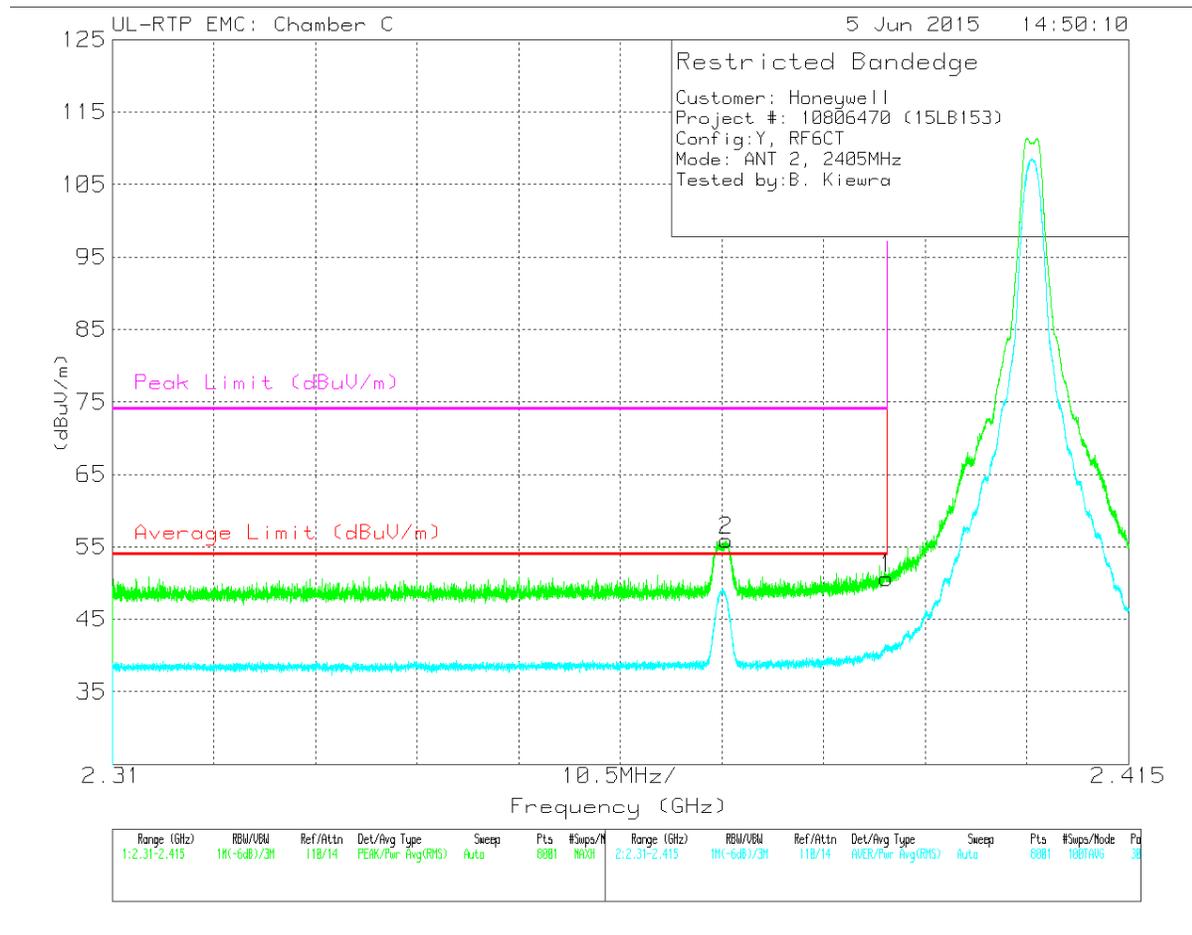
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0062 (dB/m)	Amp/Cbl/Fitr/Pad	DCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	49.92	Pk	32.1	-26.7	0	55.32	-	-	74	-18.68	225	101	H
	* 2.39	49.92	AV	32.1	-26.7	-23.1	32.22	54	-21.78	-	-	225	101	H
2	* 2.374	56.58	Pk	32	-26.7	0	61.88	-	-	74	-12.12	225	101	H
	* 2.373	56.58	AV	32	-26.7	-23.1	38.78	54	-15.22	-	-	225	101	H

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

AV – Average calculated using  $AV = PK + 20\log(DC)$ . Where  $DC = 0.06976$ .

**RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL) – ANT2**



Note - Average measurements were made to show that there were no other emissions hidden in the peak noise floor.

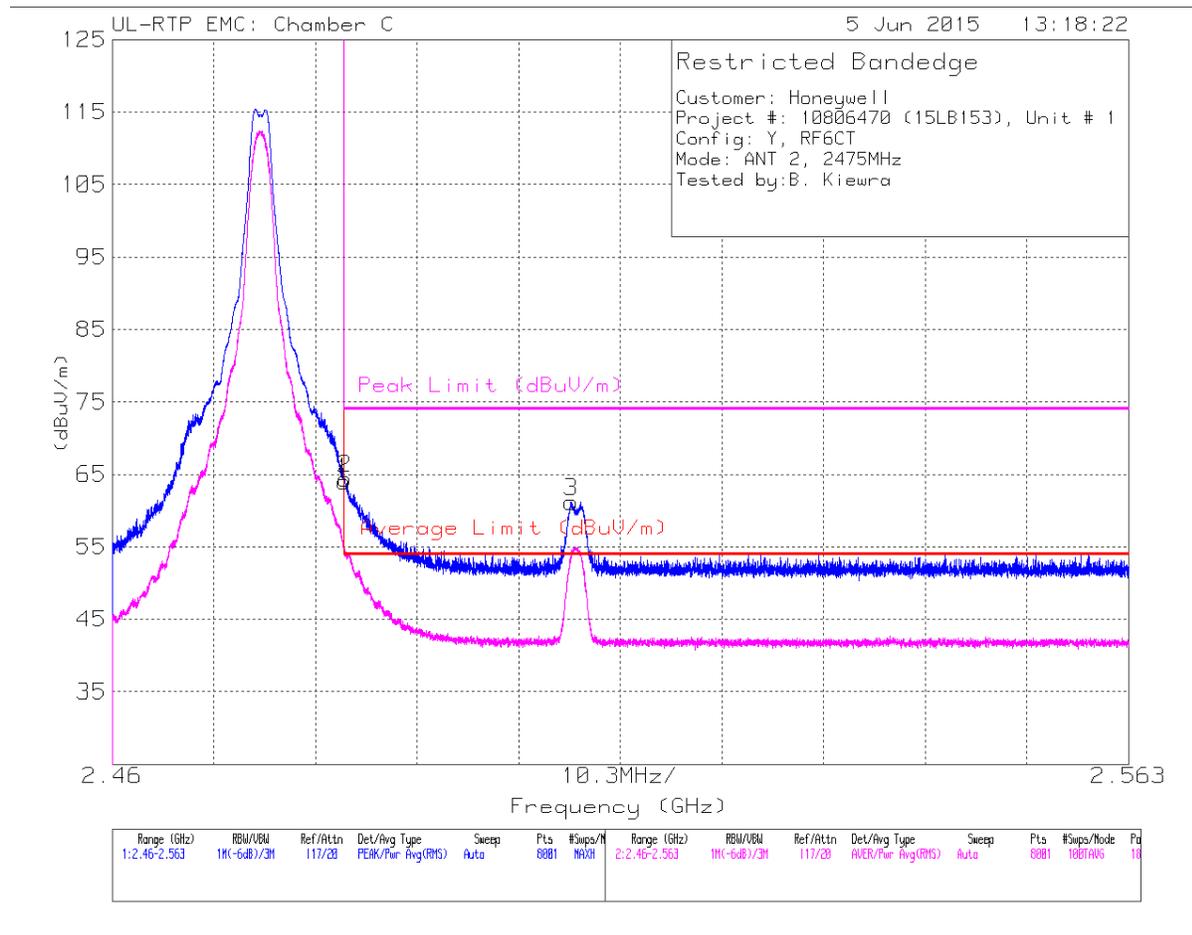
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0062 (dB/m)	Amp/Cbl/Filtr/Pad	DCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	45.24	Pk	32.1	-26.7	0	50.64	-	-	74	-23.36	309	378	V
	* 2.39	45.24	AV	32.1	-26.7	-23.1	27.54	54	-26.46	-	-	309	378	V
2	* 2.373	50.61	Pk	32	-26.7	0	55.91	-	-	74	-18.09	309	378	V
	* 2.373	50.61	AV	32	-26.7	-23.1	32.81	54	-21.1	-	-	309	378	V

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

AV – Average calculated using  $AV = PK + 20\text{Log}(DC)$ . Where  $DC = 0.06976$ .

**RESTRICTED BANDEDGE (HIGH CHANNEL, HORIZONTAL) – ANT2**



Note - Average measurements were made to show that there were no other emissions hidden in the peak noise floor.

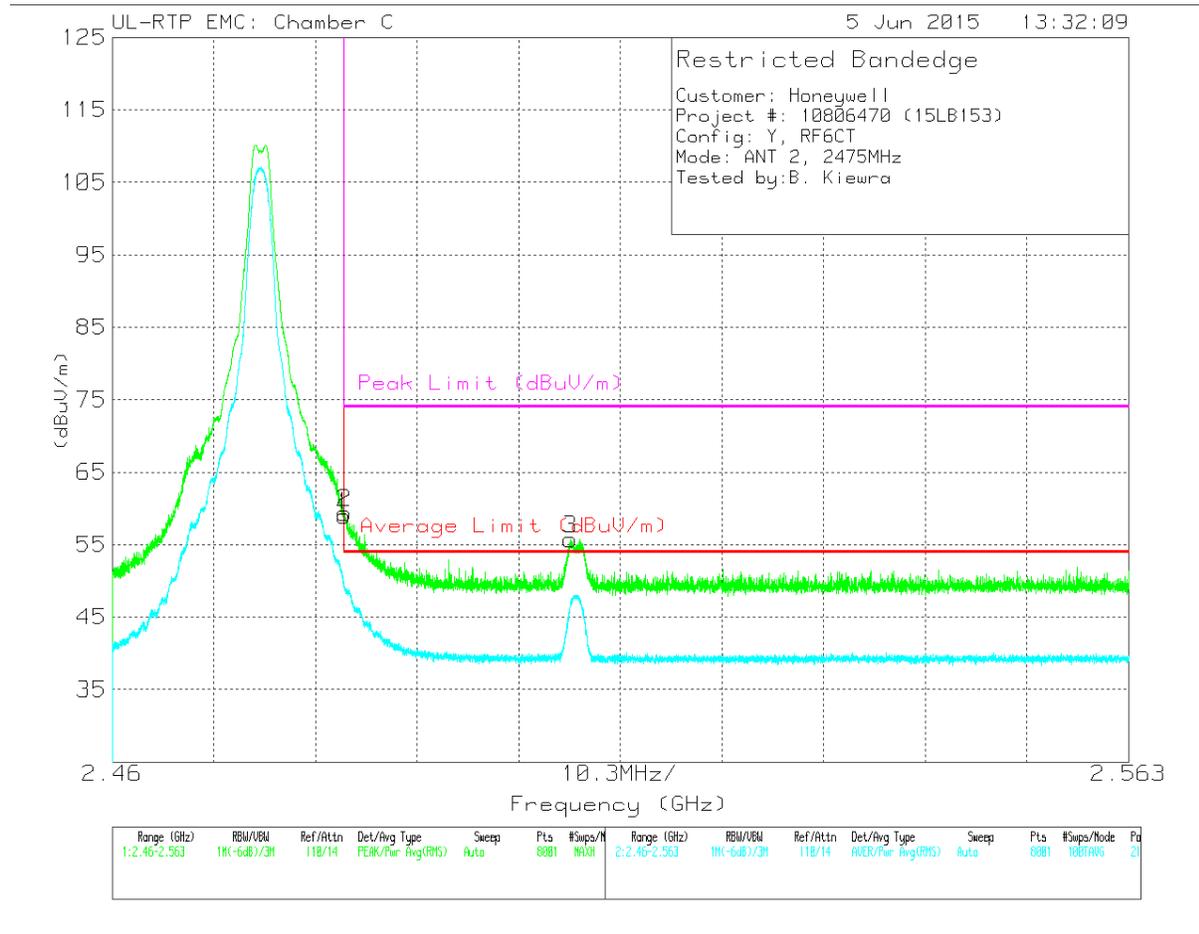
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0062 (dB/m)	Amp/Cbl/Filtr/Pad	DCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	58.24	Pk	32.3	-26.5	0	64.04	-	-	74	-9.96	187	111	H
	* 2.484	58.24	AV	32.3	-26.5	-23.1	40.94	54	-13.06	74	-9.96	187	111	H
2	* 2.484	58.62	Pk	32.3	-26.5	0	64.42	-	-	74	-9.58	187	111	H
	* 2.484	58.62	AV	32.3	-26.5	-23.1	41.32	54	-12.68	-	-	187	111	H
3	2.507	55.17	Pk	32.4	-26.4	0	61.17	-	-	74	-12.83	187	111	H

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

AV – Average calculated using  $AV = PK + 20\log(DC)$ . Where  $DC = 0.06976$ .

**RESTRICTED BANDEDGE (HIGH CHANNEL, VERTICAL) – ANT2**



Note - Average measurements were made to show that there were no other emissions hidden in the peak noise floor.

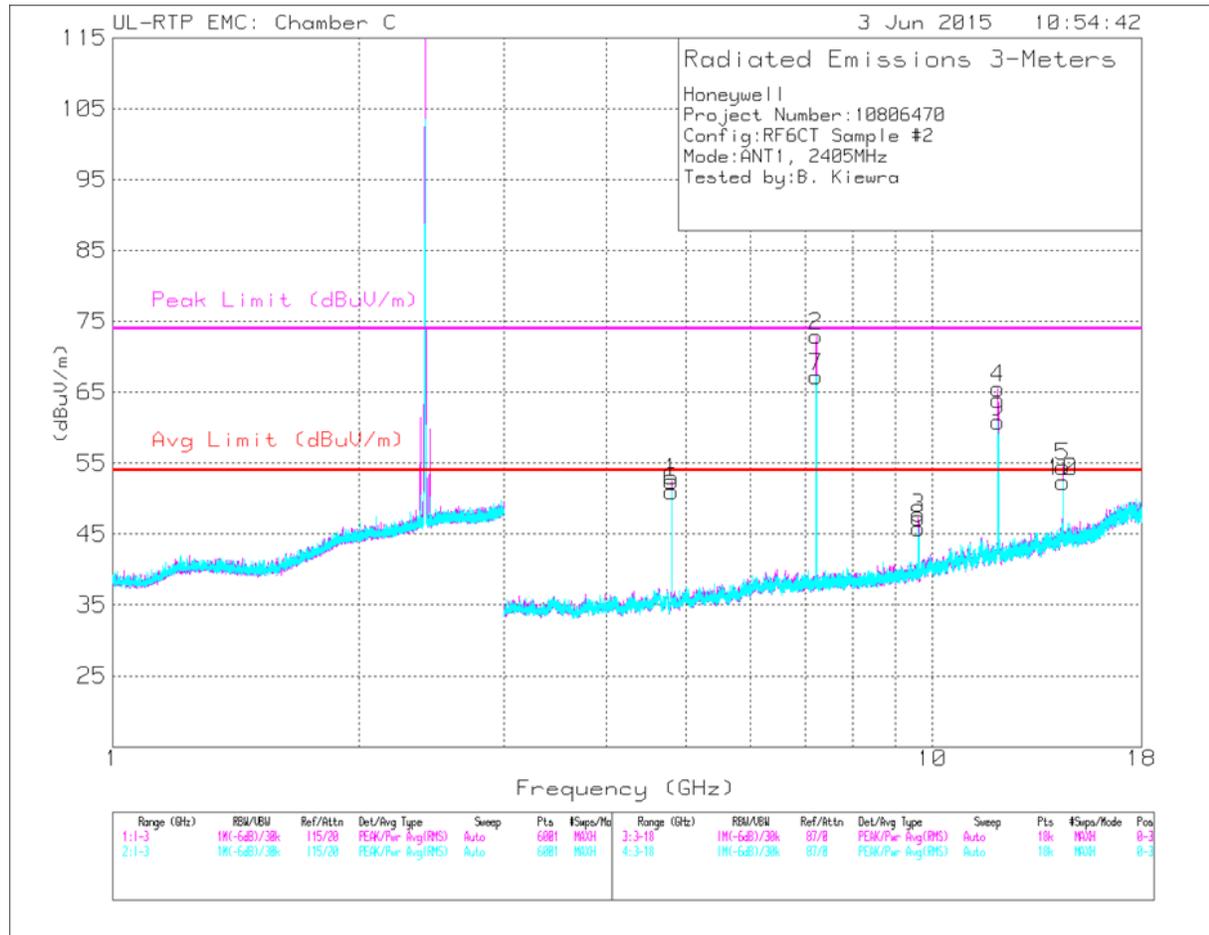
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0062 (dB/m)	Amp/Cbl/Ftr/Pad	DCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	53.19	Pk	32.3	-26.5	0	58.99	-	-	74	-15.01	219	399	V
	* 2.484	53.19	AV	32.3	-26.5	-23.1	35.89	54	-18.11	-	-	219	399	V
2	* 2.484	53.6	Pk	32.3	-26.5	0	59.4	-	-	74	-14.6	219	399	V
	* 2.484	53.6	AV	32.3	-26.5	-23.1	36.30	54	-17.7	-	-	219	399	V
3	2.506	49.73	Pk	32.4	-26.4	0	55.73	-	-	74	-18.27	219	399	V

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

AV – Average calculated using  $AV = PK + 20\log(DC)$ . Where  $DC = 0.06976$ .

**HARMONICS AND SPURIOUS EMISSIONS - LOW CHANNEL (ANT1)**

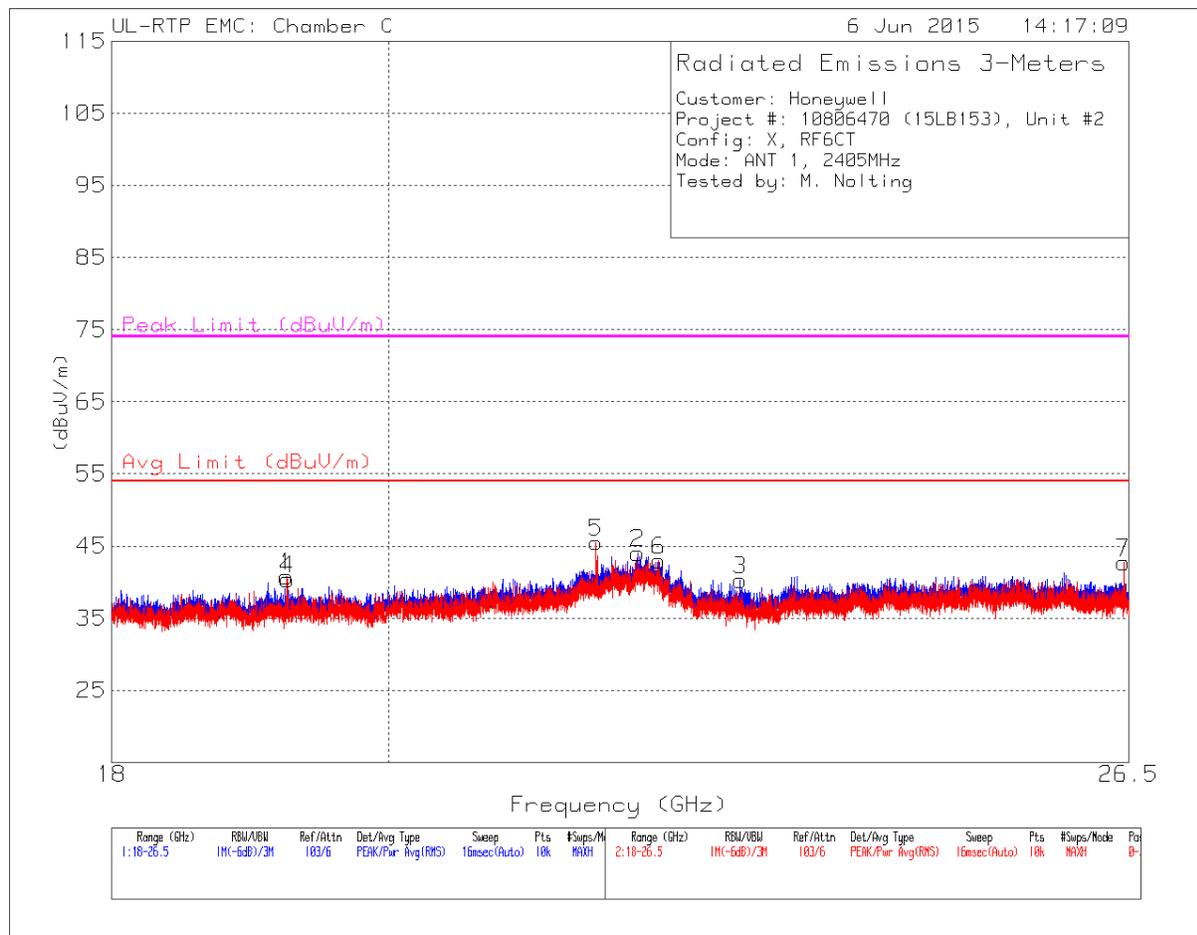


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0062 (dB/m)	Amp/Cbl/F ltr/Pad	DCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.809	55.2	Pk	34.1	-32.8	0	56.5	-	-	74	-17.5	143	258	H
	* 4.809	55.2	AV	34.1	-32.8	-23.1	33.4	54	-20.6	-	-	143	258	H
4	* 12.028	58.04	Pk	38.7	-25	0	71.74	-	-	74	-2.26	27	101	H
	* 12.028	58.04	AV	38.7	-25	-23.1	48.64	54	-5.36	-	-	27	101	H
6	* 4.809	55.89	Pk	34.1	-32.8	0	57.19	-	-	74	-16.81	212	112	V
	* 4.809	55.89	AV	34.1	-32.8	-23.1	34.09	54	-19.91	-	-	212	112	V
9	* 12.028	53.92	Pk	38.7	-25	0	67.62	-	-	74	-6.38	65	117	V
	* 12.028	53.92	AV	38.7	-25	-23.1	44.52	54	-9.48	-	-	65	117	V
7	7.213	60.43	Pk	35.6	-28.8	0	67.23	-	-	74	-6.77	0-360	151	V
2	7.216	66.13	Pk	35.6	-28.8	0	72.93	-	-	74	-1.07	0-360	151	H
8	9.617	36.81	Pk	36.8	-27.8	0	45.81	-	-	74	-28.19	0-360	151	V
3	9.618	38.26	Pk	36.8	-27.8	0	47.26	-	-	74	-26.74	0-360	151	H
5	14.433	38.42	Pk	39.3	-23.2	0	54.52	-	-	74	-19.48	0-360	151	H
10	14.434	36.25	Pk	39.3	-23.2	0	52.35	-	-	74	-21.65	0-360	151	V

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

AV – Average calculated using AV = PK + 20Log(DC). Where DC = 0.06976.



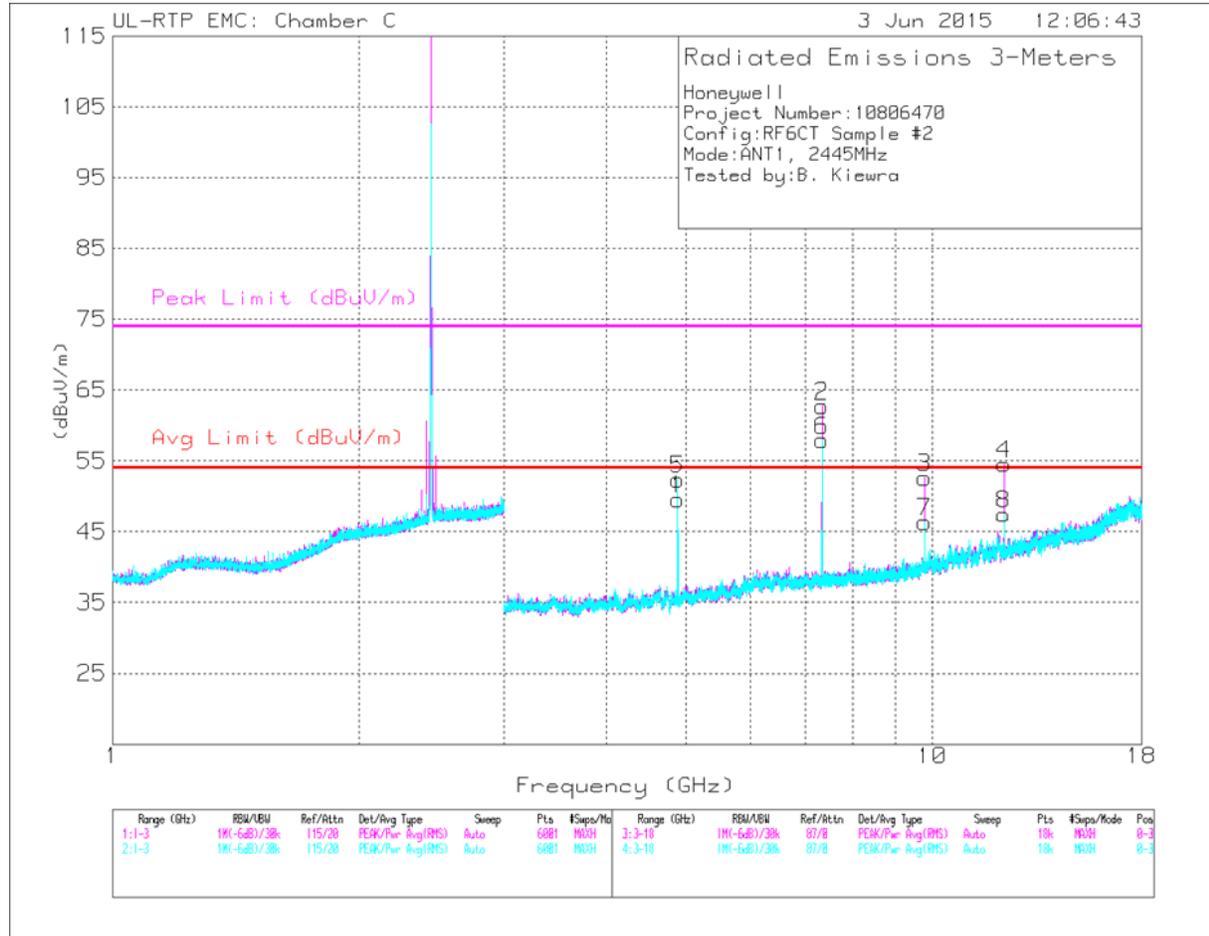
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Horn AT0063 (dB/m)	Amp/Cbl (dB)	DCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 19.236	62.66	Pk	32.6	-46.2	0	49.06	-	-	74	-24.94	286	399	H
	* 19.236	62.66	AV	32.6	-46.2	-23.1	25.96	54	-28.04	-	-	286	399	H
3	* 22.862	52.38	Pk	33.8	-45.9	0	40.28	54	-13.72	74	-33.72	0-360	225	H
4	* 19.244	61.72	Pk	32.6	-46.2	0	48.12	-	-	74	-25.88	327	382	V
	* 19.244	61.72	AV	32.6	-46.2	-23.1	25.02	54	-28.98	-	-	327	382	V
6	* 22.163	52.48	Pk	36.4	-45.9	0	42.98	-	-	74	-31.02	0-360	200	V
5	21.64	55.4	Pk	35.9	-45.8	0	45.5	-	-	74	-28.5	0-360	200	V
2	21.985	52.93	Pk	36.9	-45.8	0	44.03	-	-	74	-29.97	0-360	225	H
7	26.45	52.21	Pk	34.3	-43.8	0	42.71	-	-	74	-31.29	0-360	200	V

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

AV - Average calculated using AV = PK + 20Log(DC). Where DC = 0.06976.

**HARMONICS AND SPURIOUS EMISSIONS - MID CHANNEL (ANT1)**

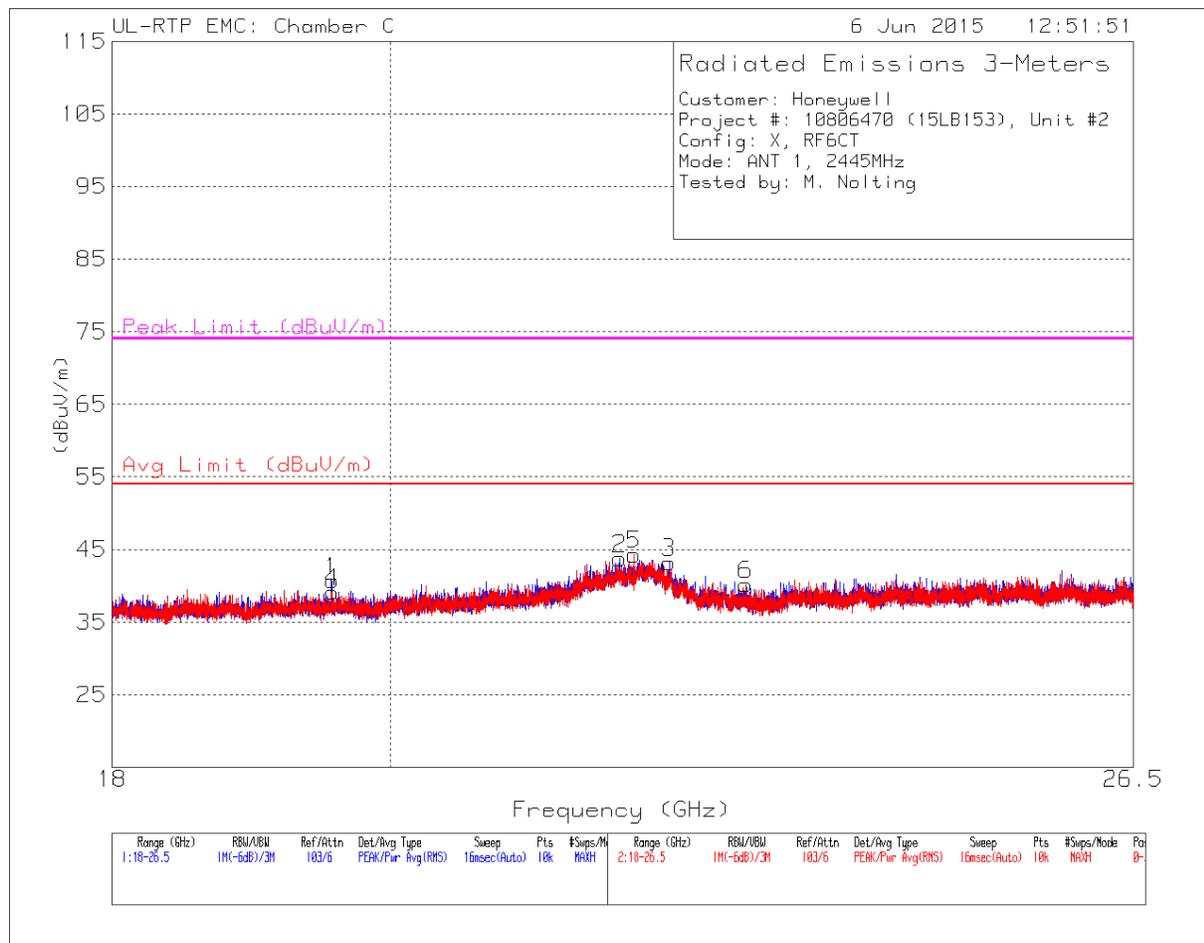


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0062 (dB/m)	Amp/Cb/F ltr/Pad	DCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.891	54.78	Pk	34	-33	0	55.78	-	-	74	-18.22	89	100	H
	* 4.891	54.78	AV	34	-33	-23.1	32.68	54	-21.32	-	-	89	100	H
2	* 7.334	61.33	Pk	35.7	-28.9	0	68.13	-	-	74	-5.87	262	125	H
	* 7.334	61.33	AV	35.7	-28.9	-23.1	45.03	54	-8.97	-	-	262	125	H
4	* 12.228	49.56	Pk	38.9	-26.8	0	61.66	-	-	74	-12.34	19	106	H
	* 12.228	49.56	AV	38.9	-26.8	-23.1	38.56	54	-15.44	-	-	19	106	H
5	* 4.891	56.72	Pk	34	-33	0	57.72	-	-	74	-16.28	213	127	V
	* 4.891	56.72	AV	34	-33	-23.1	34.62	54	-19.38	-	-	213	127	V
6	* 7.334	56.58	Pk	35.7	-29	0	63.28	-	-	74	-10.72	108	107	V
	* 7.334	56.58	AV	35.7	-28.9	-23.1	40.18	54	-13.82	-	-	108	107	V
8	* 12.223	43.1	Pk	38.9	-26.7	0	55.3	-	-	74	-18.7	190	114	V
	* 12.223	43.1	AV	38.9	-26.7	-23.1	32.20	54	-21.80	-	-	190	114	V
3	9.781	42.55	Pk	37	-26.9	0	52.65	-	-	74	-21.35	0-360	150	H
7	9.781	36.28	Pk	37	-26.9	0	46.38	-	-	74	-27.62	0-360	151	V

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

AV – Average calculated using  $AV = PK + 20\log(DC)$ . Where  $DC = 0.06976$ .



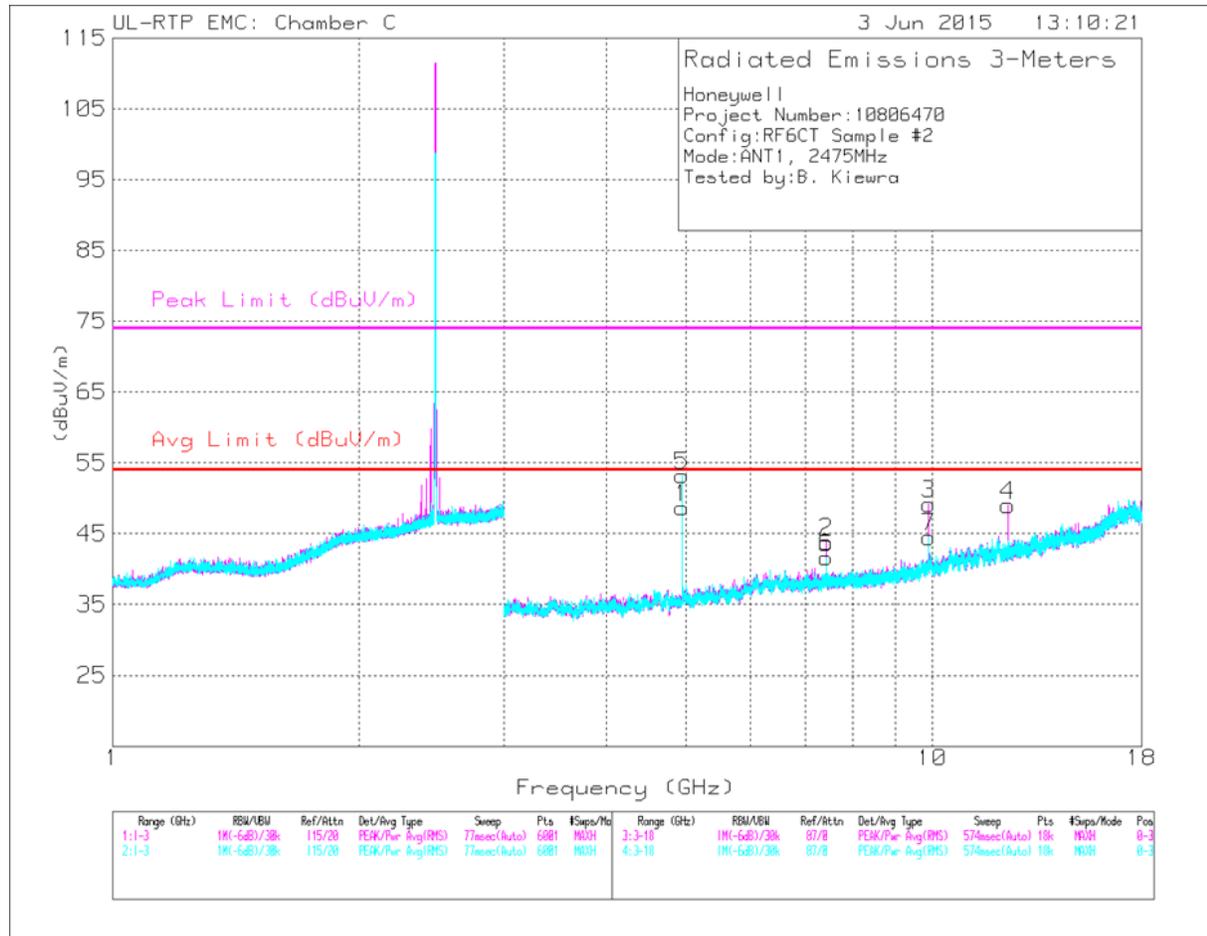
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Horn AT0063 (dB/m)	Amp/Cbl (dB)	DCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 19.556	57.93	Pk	32.6	-46.3	0	44.23	-	-	74	-29.77	308	392	H
	* 19.556	57.93	AV	32.6	-46.3	-23.1	21.13	54	-32.87	-	-	308	392	H
3	* 22.227	52.9	Pk	36.1	-45.8	0	43.2	54	-10.8	74	-30.8	0-360	149	H
4	* 19.556	61.47	Pk	32.6	-46.3	0	47.77	-	-	74	-26.23	327	395	V
	* 19.556	61.47	AV	32.6	-46.3	-23.1	24.67	54	-29.33	-	-	327	395	V
6	* 22.884	52.39	Pk	33.7	-45.9	0	40.19	54	-13.81	74	-33.81	0-360	175	V
2	21.813	53.13	Pk	36.4	-45.8	0	43.73	-	-	74	-30.27	0-360	200	H
5	21.934	53.28	Pk	36.8	-45.8	0	44.28	-	-	74	-29.72	0-360	175	V

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

AV – Average calculated using  $AV = PK + 20\log(DC)$ . Where  $DC = 0.06976$ .

**HARMONICS AND SPURIOUS EMISSIONS - HIGH CHANNEL (ANT1)**

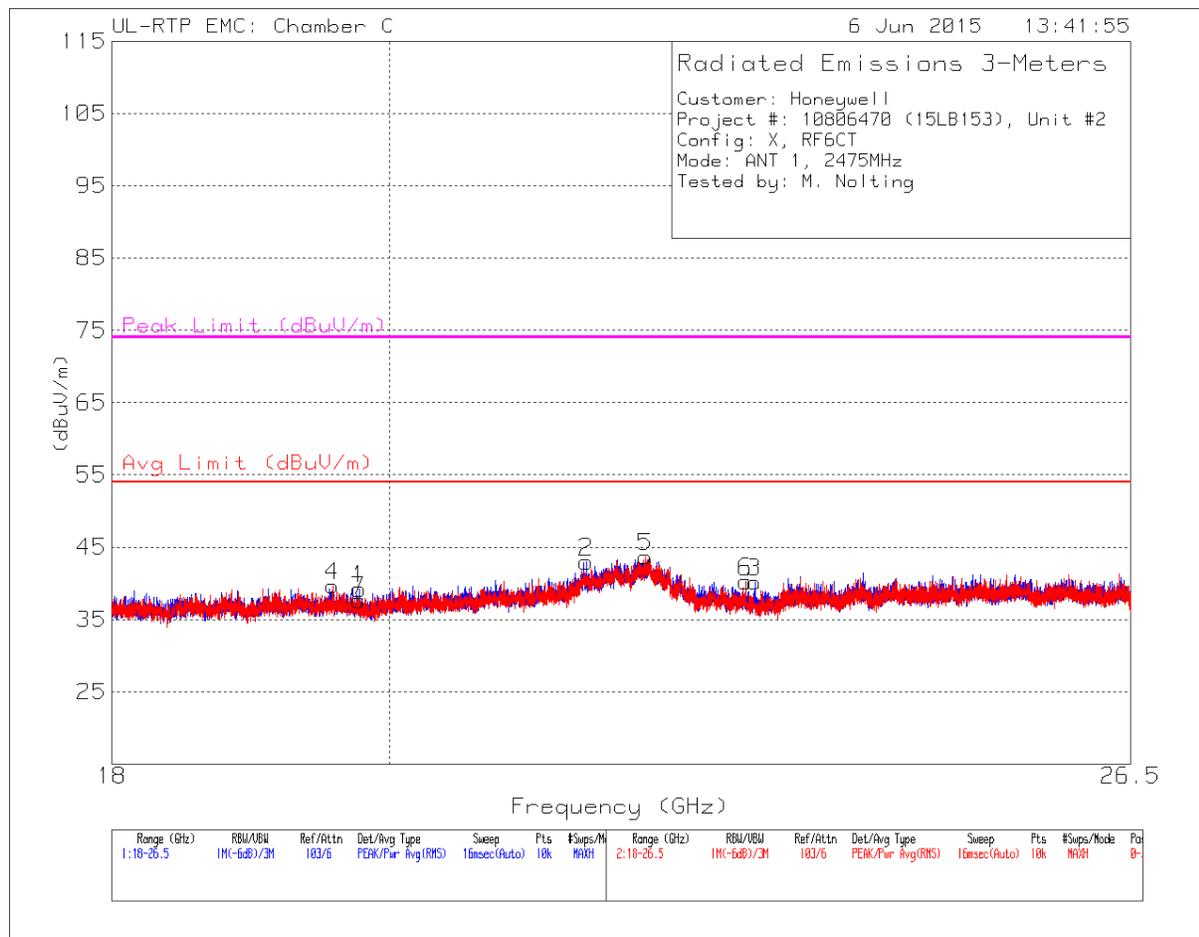


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0062 (dB/m)	Amp/Cb/F ltr/Pad	DCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.949	53.69	Pk	34.1	-32.8	0	54.99	-	-	74	-19.01	71	144	H
	* 4.949	53.69	AV	34.1	-32.8	-23.1	31.89	54	-23.11	-	-	71	144	H
2	* 7.426	44.08	Pk	35.7	-28.6	0	51.18	-	-	74	-22.82	100	115	H
	* 7.426	44.08	AV	35.7	-28.6	-23.1	28.08	54	-25.92	-	-	100	115	H
4	* 12.373	45.65	Pk	38.9	-26.5	0	58.05	-	-	74	-15.95	28	114	H
	* 12.373	45.65	AV	38.9	-26.5	-23.1	34.95	54	-19.05	-	-	28	114	H
5	* 4.951	56.48	Pk	34.1	-32.8	0	57.78	-	-	74	-16.22	207	105	V
	* 4.951	56.48	AV	34.1	-32.8	-23.1	34.68	54	-19.32	-	-	207	105	V
6	* 7.423	43.22	Pk	35.7	-28.6	0	50.32	-	-	74	-23.68	270	142	V
	* 7.423	43.22	AV	35.7	-28.6	-23.1	27.22	54	-26.78	-	-	270	142	V
3	9.898	38.38	Pk	37.1	-26.3	0	49.18	-	-	74	-24.82	0-360	151	H
7	9.901	33.72	Pk	37.1	-26.3	0	44.52	-	-	74	-29.48	0-360	250	V

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

AV - Average calculated using  $AV = PK + 20\log(DC)$ . Where  $DC = 0.06976$ .



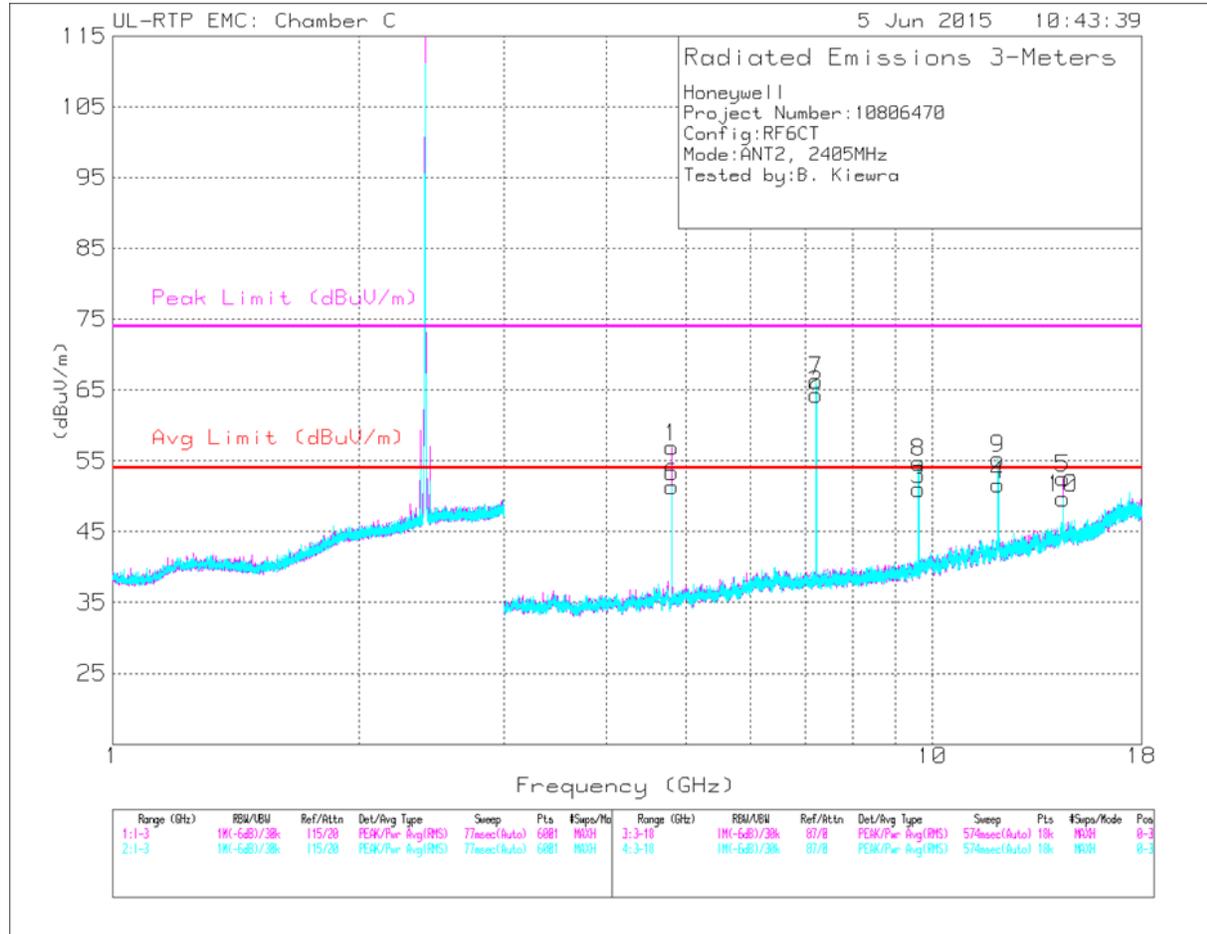
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Horn AT0063 (dB/m)	Amp/Cbl (dB)	DCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 19.799	56.01	Pk	32.6	-46.3	0	42.31	-	-	74	-31.69	314	399	H
	* 19.799	56.01	AV	32.6	-46.3	-23.1	19.21	54	-34.79	-	-	314	399	H
3	* 22.976	52.48	Pk	33.6	-45.9	0	40.18	54	-13.82	74	-33.82	0-360	151	H
4	* 19.572	53.38	Pk	32.6	-46.3	0	39.68	54	-14.32	74	-34.32	0-360	151	V
5	* 22.043	52.69	Pk	36.9	-45.9	0	43.69	54	-10.31	74	-30.31	0-360	175	V
6	* 22.896	52.44	Pk	33.7	-45.9	0	40.24	54	-13.76	74	-33.76	0-360	151	V
7	* 19.804	55.91	Pk	32.6	-46.3	0	42.21	-	-	74	-31.79	327	396	V
	* 19.804	55.91	AV	32.6	-46.3	-23.1	19.11	54	-34.89	-	-	327	396	V
2	21.553	53.45	Pk	35.3	-45.8	0	42.95	-	-	74	-31.05	0-360	151	H

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

AV – Average calculated using  $AV = PK + 20\log(DC)$ . Where  $DC = 0.06976$ .

**HARMONICS AND SPURIOUS EMISSIONS - LOW CHANNEL (ANT2)**

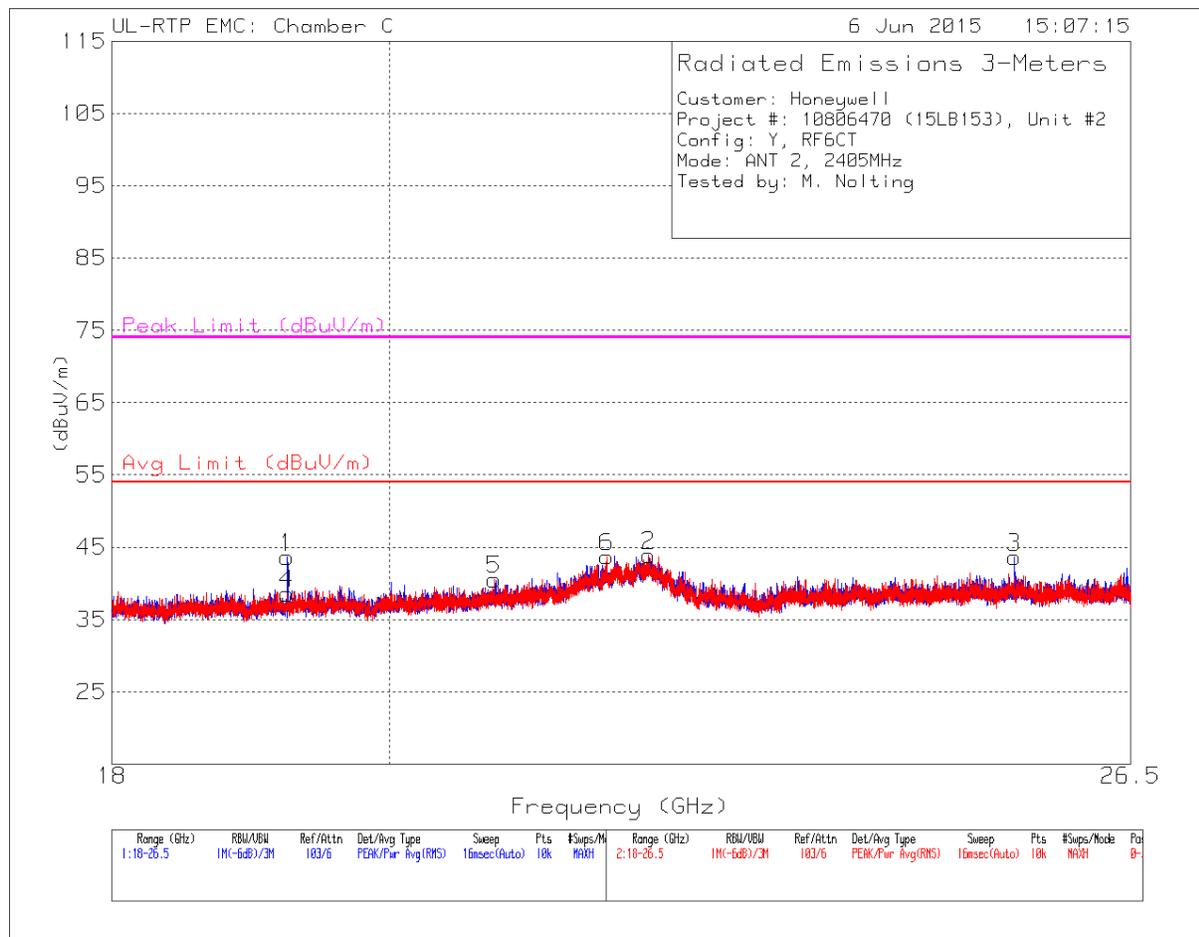


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0062 (dB/m)	Amp/Cb/F ltr/Pad	DCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.811	58.68	Pk	34.1	-32.8	0	59.98	-	-	74	-14.02	310	164	H
	* 4.811	58.68	AV	34.1	-32.8	-23.1	36.88	54	-17.12	-	-	310	164	H
4	* 12.028	45.27	Pk	38.7	-25	0	58.97	-	-	74	-15.03	331	301	H
	* 12.028	45.27	AV	38.7	-25	-23.1	35.87	54	-18.13	-	-	331	301	H
6	* 4.811	54.93	Pk	34.1	-32.8	0	56.23	-	-	74	-17.77	356	101	V
	* 4.811	54.93	AV	34.1	-32.8	-23.1	33.13	54	-20.87	-	-	356	101	V
9	* 12.027	47.78	Pk	38.7	-25	0	61.48	-	-	74	-12.52	96	134	V
	* 12.027	47.78	AV	38.7	-25	-23.1	38.38	54	-15.62	-	-	96	134	V
7	7.213	59.51	Pk	35.6	-28.8	0	66.31	-	-	74	-7.69	0-360	250	V
2	7.216	57.51	Pk	35.6	-28.8	0	64.31	-	-	74	-9.69	0-360	250	H
3	9.621	41.99	Pk	36.8	-27.8	0	50.99	-	-	74	-23.01	0-360	151	H
8	9.621	45.76	Pk	36.8	-27.8	0	54.76	-	-	74	-19.24	0-360	250	V
5	14.427	36.34	Pk	39.2	-23	0	52.54	-	-	74	-21.46	0-360	250	H
10	14.434	33.61	Pk	39.3	-23.2	0	49.71	-	-	74	-24.29	0-360	250	V

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

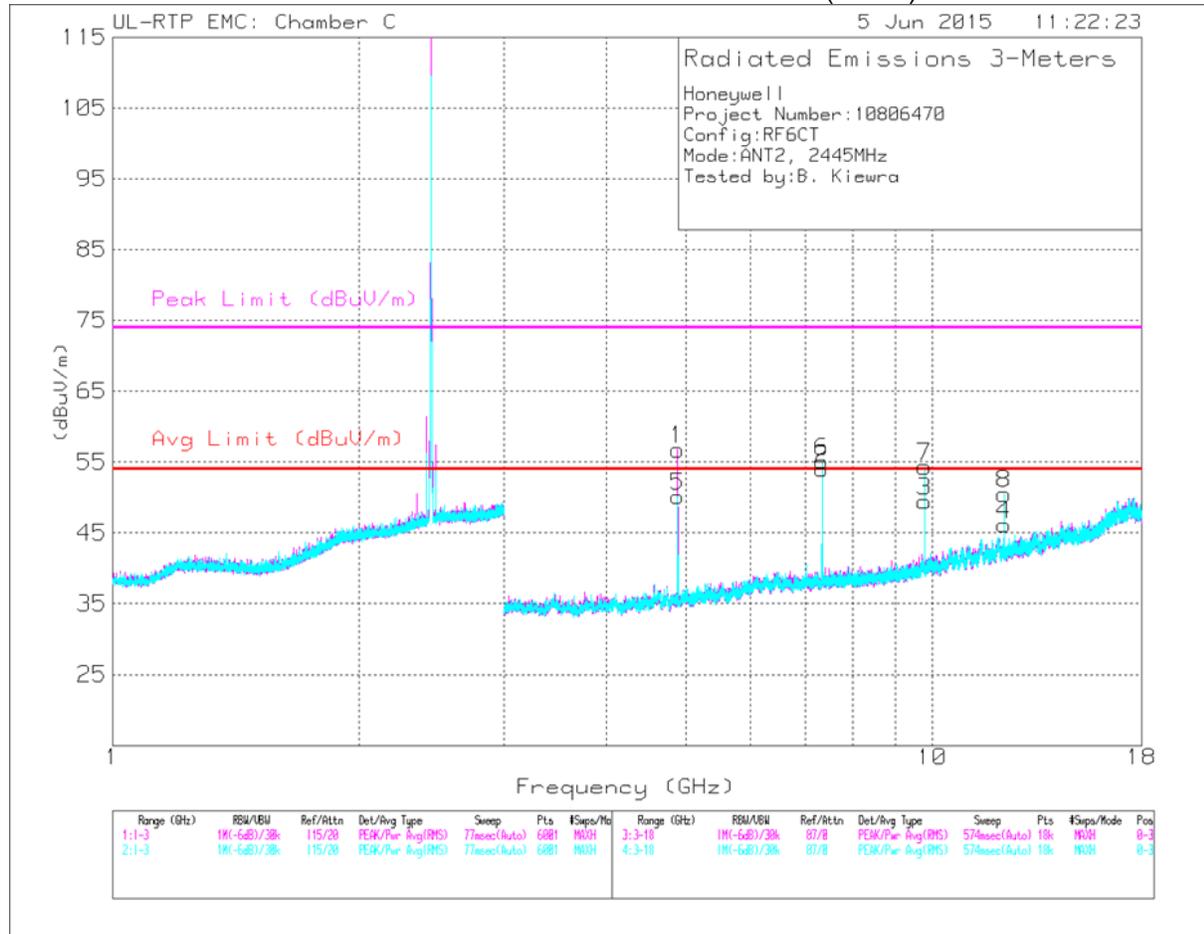
AV – Average calculated using  $AV = PK + 20\log(DC)$ . Where  $DC = 0.06976$ .



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Horn AT0063 (dB/m)	Amp/Cbl (dB)	DCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 19.236	60.91	Pk	32.6	-46.2	0	47.31	-	-	74	-26.69	309	183	H
	* 19.236	60.91	AV	32.6	-46.2	-23.1	24.21	54	-29.79	-	-	309	183	H
2	* 22.068	52.78	Pk	36.9	-45.8	0	43.88	54	-10.12	74	-30.12	0-360	175	H
4	* 19.236	58.1	Pk	32.6	-46.2	0	44.5	-	-	74	-29.5	336	293	V
	* 19.236	58.1	AV	32.6	-46.2	-23.1	21.4	54	-32.6	-	-	336	293	V
5	* 20.813	53.24	Pk	33.3	-46	0	40.54	-	-	74	-33.46	0-360	151	V
6	21.721	53.31	Pk	36.2	-45.8	0	43.71	-	-	74	-30.29	0-360	175	V
3	25.359	53.82	Pk	33.9	-44.1	0	43.62	-	-	74	-30.38	0-360	200	H

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band  
 Pk - Peak detector  
 AV - Average calculated using  $AV = PK + 20\log(DC)$ . Where  $DC = 0.06976$ .

HARMONICS AND SPURIOUS EMISSIONS - MID CHANNEL (ANT2)

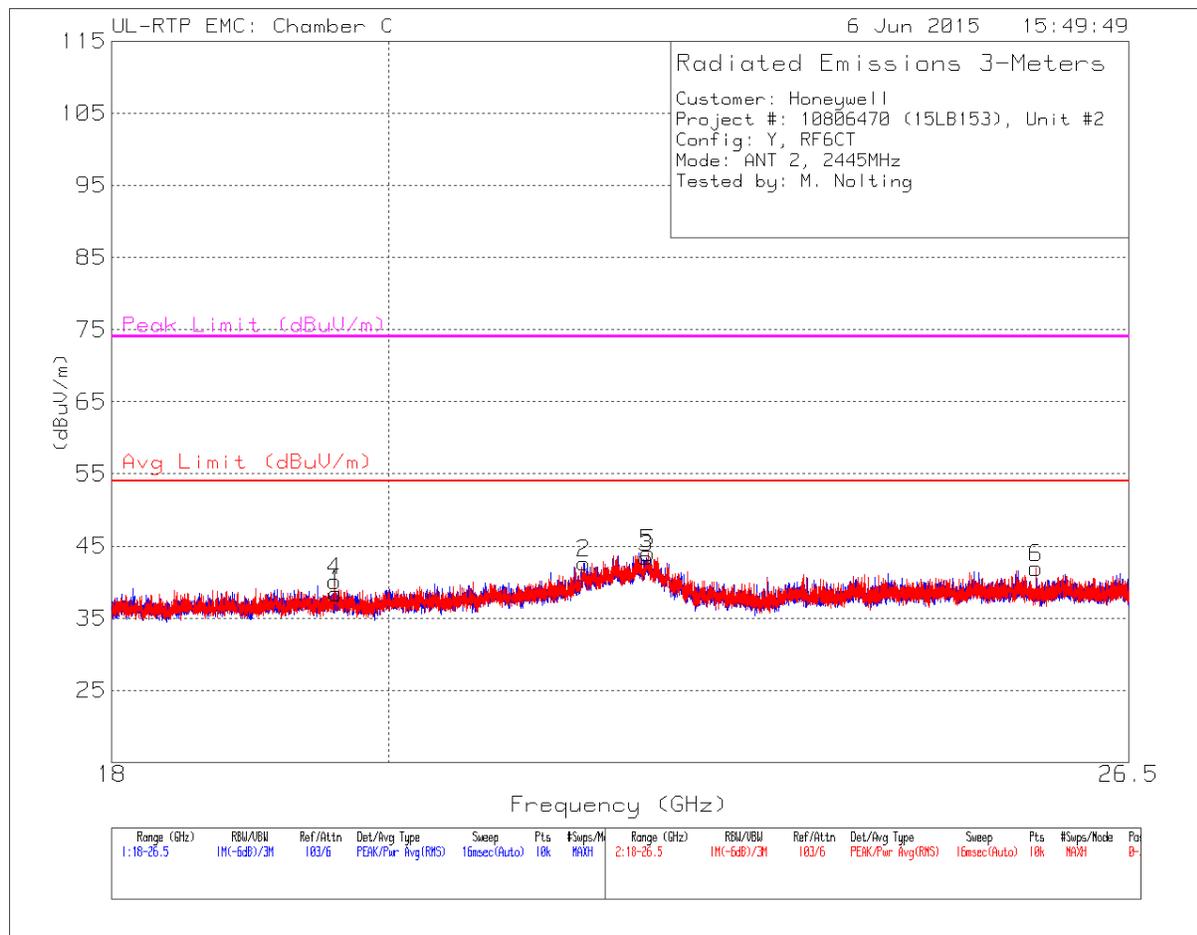


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0062 (dB/m)	Amp/Cbl/Ftr/Pad	DCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.891	56.42	Pk	34	-33	0	57.42	-	-	74	-16.58	1	250	H
	* 4.891	56.42	AV	34	-33	-23.1	34.32	54	-19.68	-	-	1	250	H
2	* 7.333	53.11	Pk	35.7	-29	0	59.81	-	-	74	-14.19	333	287	H
	* 7.333	53.11	AV	35.7	-28.9	-23.1	36.71	54	-17.29	-	-	333	287	H
4	* 12.228	42.08	Pk	38.9	-26.8	0	54.18	-	-	74	-19.82	122	228	H
	* 12.228	42.08	AV	38.9	-26.8	-23.1	31.08	54	-22.92	-	-	122	228	H
5	* 4.891	45.61	Pk	34	-33	0	46.61	-	-	74	-27.39	122	152	V
	* 4.891	45.61	AV	34	-33	-23.1	23.51	54	-30.49	-	-	122	152	V
6	* 7.334	54.54	Pk	35.7	-29	0	61.24	-	-	74	-12.76	165	106	V
	* 7.334	54.54	AV	35.7	-28.9	-23.1	38.14	54	-15.86	-	-	165	106	V
8	* 12.228	45.98	Pk	38.9	-26.8	0	58.08	-	-	74	-15.92	109	114	V
	* 12.228	45.98	AV	38.9	-26.8	-23.1	34.98	54	-19.02	-	-	109	114	V
7	9.778	44.22	Pk	37	-26.9	0	54.32	-	-	74	-19.68	0-360	250	V
3	9.782	39.37	Pk	37	-26.9	0	49.47	-	-	74	-24.53	0-360	151	H

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

AV - Average calculated using AV = PK + 20Log(DC). Where DC = 0.06976.



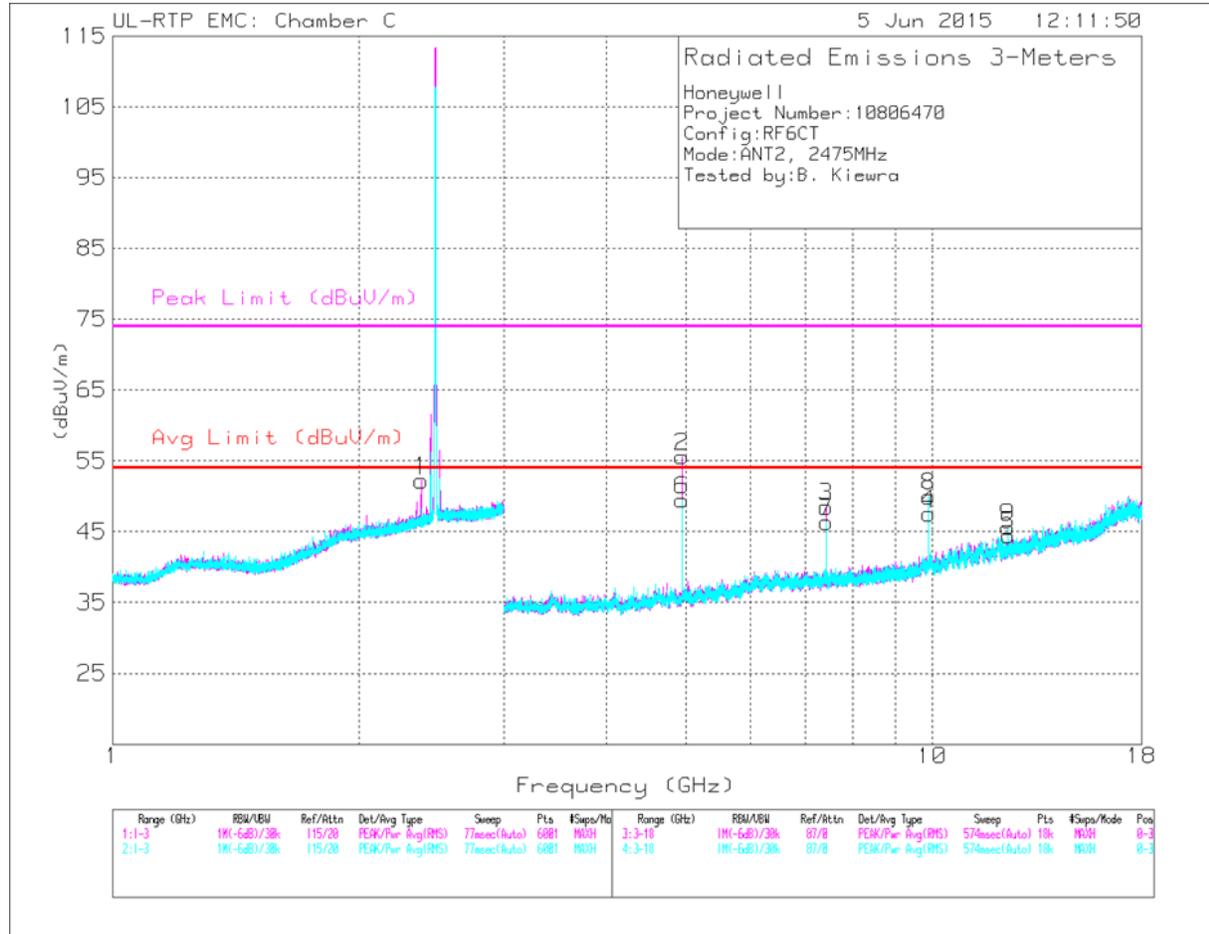
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Horn AT0063 (dB/m)	Amp/Cbl (dB)	DCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 19.564	56.79	Pk	32.6	-46.3	0	43.09	54	-10.91	74	-30.91	296	186	H
	* 19.564	56.79	AV	32.6	-46.3	-23.1	19.99	54	-34.01	-	-	296	186	H
3	* 22.056	52.43	Pk	36.9	-45.9	0	43.43	54	-10.57	74	-30.57	0-360	151	H
4	* 19.556	55.62	Pk	32.6	-46.3	0	41.92	54	-12.08	74	-32.08	341	290	V
	* 19.556	55.62	AV	32.6	-46.3	-23.1	18.82	54	-35.18	-	-	341	290	V
5	* 22.071	52.89	Pk	36.9	-45.8	0	43.99	54	-10.01	74	-30.01	0-360	175	V
2	21.541	53.16	Pk	35.3	-45.8	0	42.66	-	-	74	-31.34	0-360	225	H
6	25.584	52.25	Pk	33.7	-44	0	41.95	-	-	74	-32.05	0-360	175	V

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

AV - Average calculated using AV = PK + 20Log(DC). Where DC = 0.06976.

**HARMONICS AND SPURIOUS EMISSIONS - HIGH CHANNEL (ANT2)**

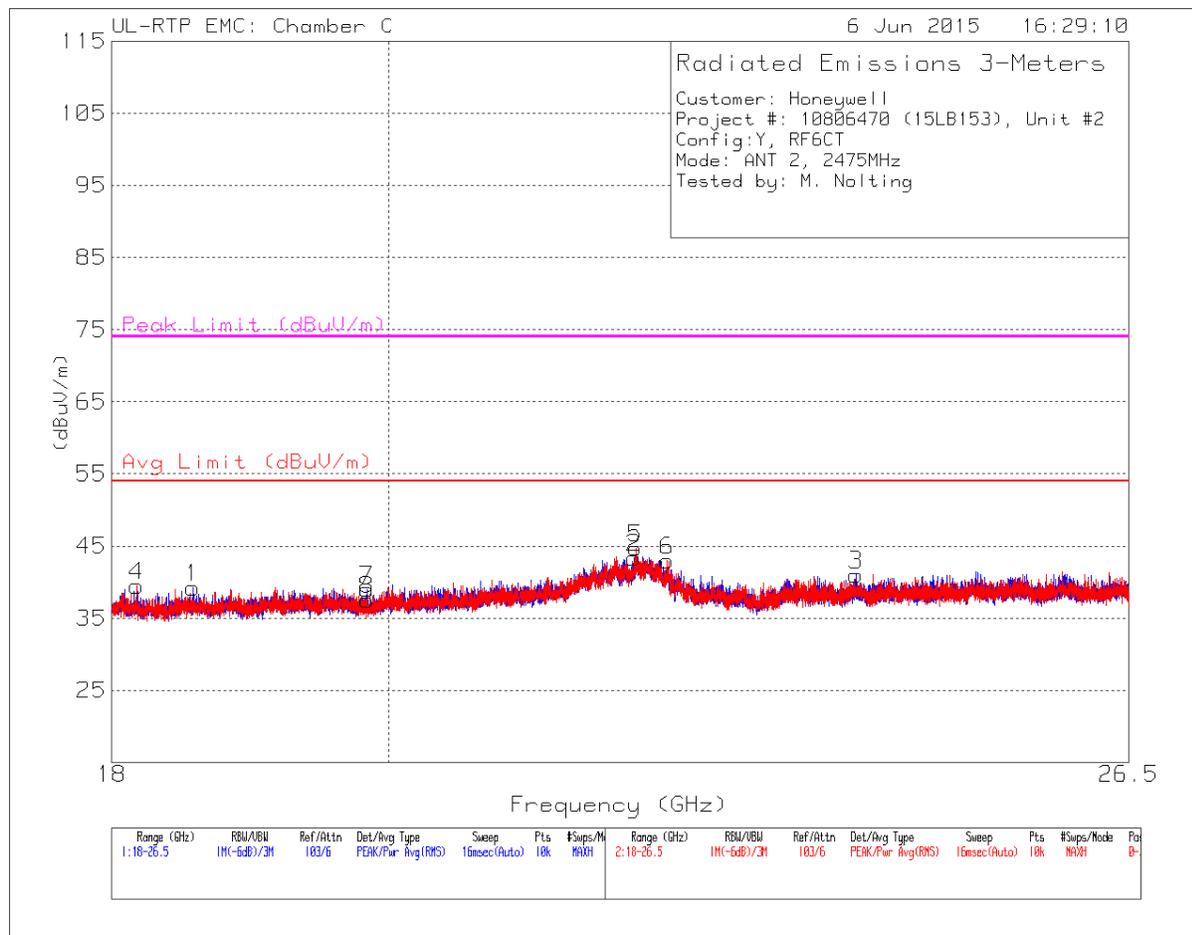


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0062 (dB/m)	Amp/Cb/F ltr/Pad	DCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.379	53.37	Pk	32.1	-26.7	0	58.77	-	-	74	-15.23	193	127	H
	* 2.379	53.37	AV	32.1	-26.7	-23.1	35.67	54	-18.33	-	-	193	127	H
2	* 4.949	58.57	Pk	34.1	-32.8	0	59.87	-	-	74	-14.13	296	231	H
	* 4.949	58.57	AV	34.1	-32.8	-23.1	36.77	54	-17.23	-	-	296	231	H
3	* 7.424	48.7	Pk	35.7	-28.6	0	55.8	-	-	74	-18.2	2	108	H
	* 7.424	48.7	AV	35.7	-28.6	-23.1	32.70	54	-21.30	-	-	2	108	H
5	* 12.377	40.03	Pk	38.9	-26.3	0	52.63	-	-	74	-21.37	112	253	H
	* 12.377	40.03	AV	38.9	-26.3	-23.1	29.53	54	-24.47	-	-	112	253	H
6	* 4.951	54.12	Pk	34.1	-32.8	0	55.42	-	-	74	-18.58	247	258	V
	* 4.951	54.12	AV	34.1	-32.8	-23.1	32.32	54	-21.68	-	-	247	258	V
7	* 7.427	46.22	Pk	35.7	-28.6	0	53.32	-	-	74	-20.68	150	238	V
	* 7.427	46.22	AV	35.7	-28.6	-23.1	30.22	54	-23.78	-	-	150	238	V
9	* 12.373	43.13	Pk	38.9	-26.5	0	55.53	-	-	74	-18.47	106	115	V
	* 12.373	43.13	AV	38.9	-26.5	-23.1	32.43	54	-21.57	-	-	106	115	V
4	9.901	36.74	Pk	37.1	-26.3	-	47.54	-	-	74	-26.46	0-360	151	H
8	9.902	39.17	Pk	37.1	-26.3	-	49.97	-	-	74	-24.03	0-360	151	V

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

AV – Average calculated using AV = PK + 20Log(DC). Where DC = 0.06976.

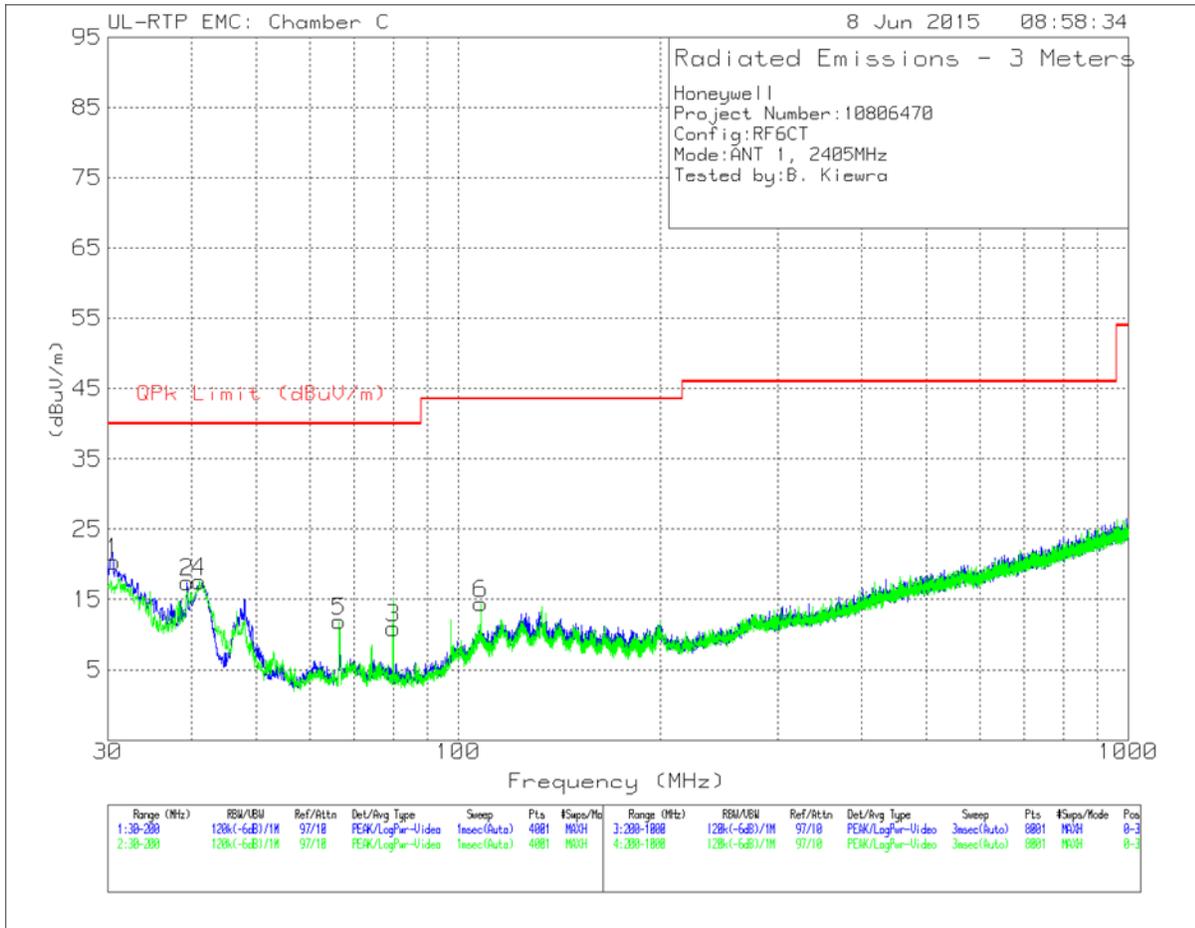


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Horn AT0063 (dB/m)	Amp/Cbl (dB)	DCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 18.563	53.05	Pk	32.4	-46.2	0	39.25	54	-14.75	74	-34.75	0-360	200	H
3	* 23.892	52.89	Pk	33.7	-45.6	0	40.99	54	-13.01	74	-33.01	0-360	151	H
7	* 19.804	55.93	Pk	32.6	-46.3	-23.1	19.13	-	-	74	-31.77	297	182	H
	* 19.804	55.93	AV	32.6	-46.3	-23.1	19.13	54	-34.87	-	-	297	182	H
4	* 18.17	53.68	Pk	32.1	-46.3	0	39.48	54	-14.52	74	-34.52	0-360	225	V
6	* 22.235	52.78	Pk	36	-45.8	0	42.98	54	-11.02	74	-31.02	0-360	151	V
8	* 19.804	55.61	Pk	32.6	-46.3	0	41.91	-	-	74	-32.09	340	296	V
	* 19.804	55.61	AV	32.6	-46.3	-23.1	18.81	54	-35.19	-	-	340	296	V
2	21.956	52.29	Pk	36.9	-45.8	0	43.39	54	-10.61	74	-30.61	0-360	200	H
5	21.968	53.63	Pk	36.9	-45.8	0	44.73	54	-9.27	74	-29.27	0-360	151	V

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band  
 Pk - Peak detector  
 AV – Average calculated using AV = PK + 20Log(DC). Where DC = 0.06976.

### 8.3. TX SPURIOUS BELOW 1 GHz

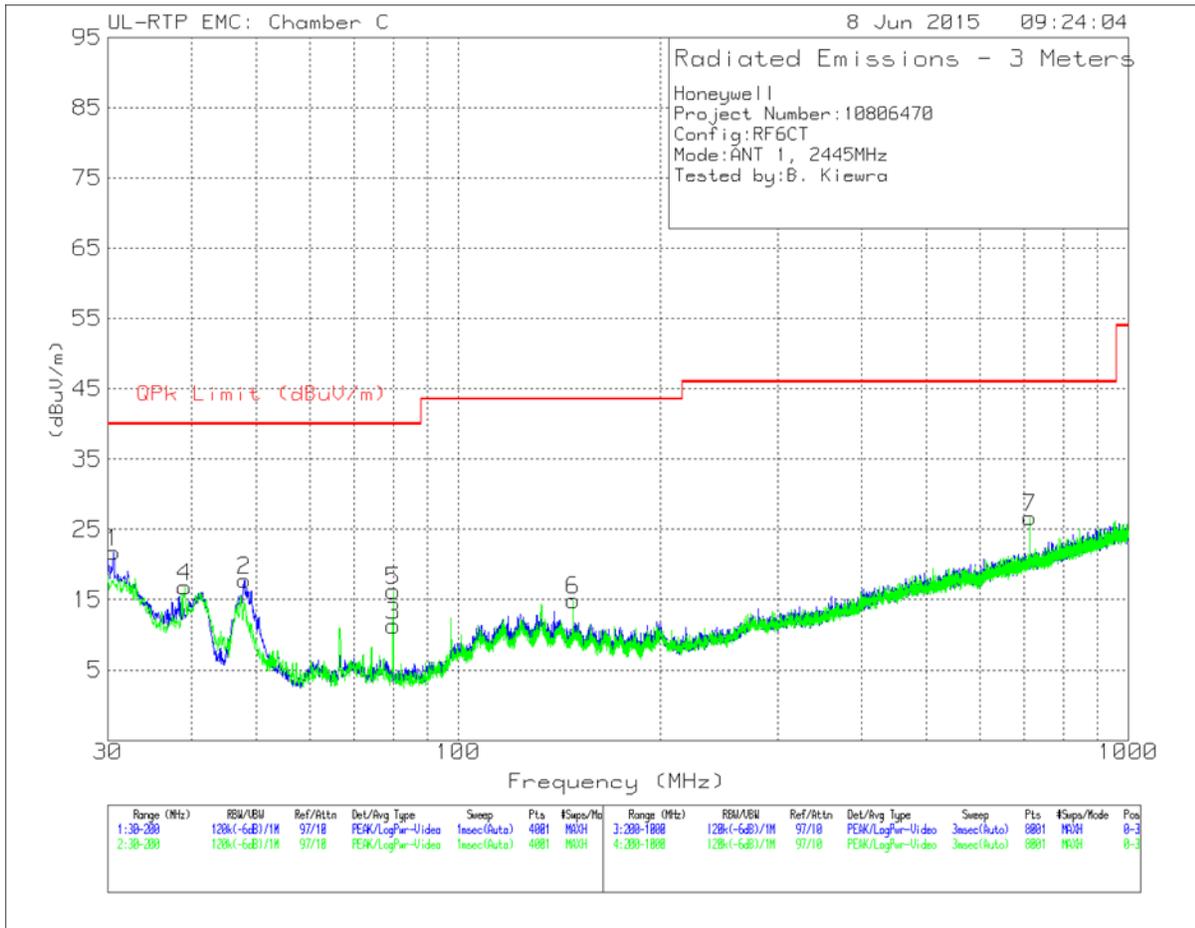
#### SPURIOUS EMISSIONS 30 TO 1000 MHz (ANT1, LOW CHANNEL)



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AT0066 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	30.5525	30.69	Pk	21.3	-31.6	20.39	40	-19.61	0-360	200	H
2	39.3925	34.07	Pk	14.9	-31.5	17.47	40	-22.53	0-360	400	H
4	41.0925	35.34	Pk	13.6	-31.4	17.54	40	-22.46	0-360	101	V
5	66.4225	34.83	Pk	8.3	-31.2	11.93	40	-28.07	0-360	101	V
3	79.98	34.64	Pk	7.4	-31.1	10.94	40	-29.06	0-360	101	H
6	107.9875	32.94	Pk	12.3	-30.8	14.44	43.52	-29.08	0-360	101	V

Pk - Peak detector

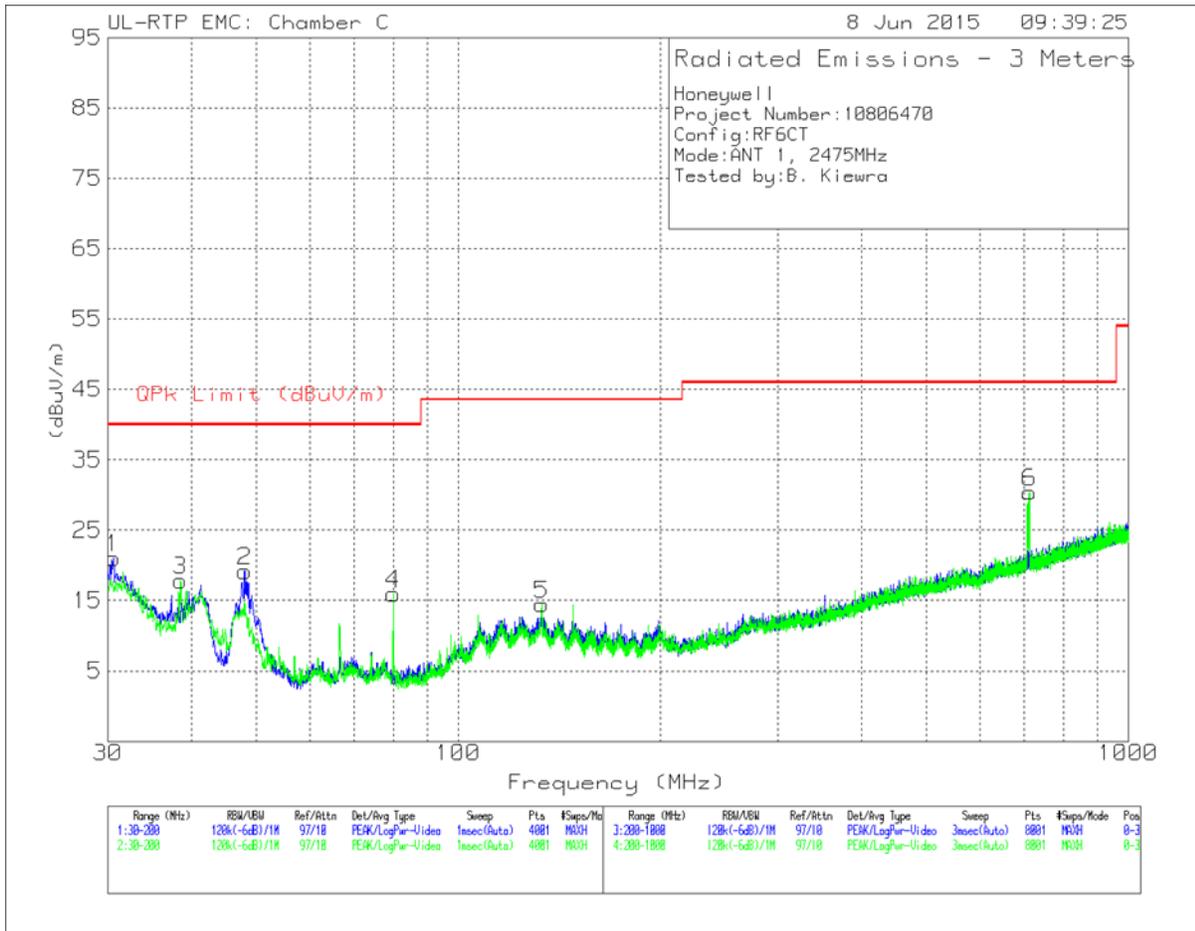
**SPURIOUS EMISSIONS 30 TO 1000 MHz (ANT1, MID CHANNEL)**



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AT0066 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	30.595	32.06	Pk	21.3	-31.6	21.76	40	-18.24	0-360	200	H
4	39.095	33.22	Pk	15.1	-31.5	16.82	40	-23.18	0-360	101	V
2	47.9775	40.46	Pk	8.7	-31.4	17.76	40	-22.24	0-360	300	H
3	79.98	35.01	Pk	7.4	-31.1	11.31	40	-28.69	0-360	100	H
5	79.98	39.95	Pk	7.4	-31.1	16.25	40	-23.75	0-360	101	V
6	148.49	32.63	Pk	12.8	-30.5	14.93	43.52	-28.59	0-360	101	V
7	713	34.78	Pk	20.5	-28.6	26.68	46.02	-19.34	0-360	200	V

Pk - Peak detector

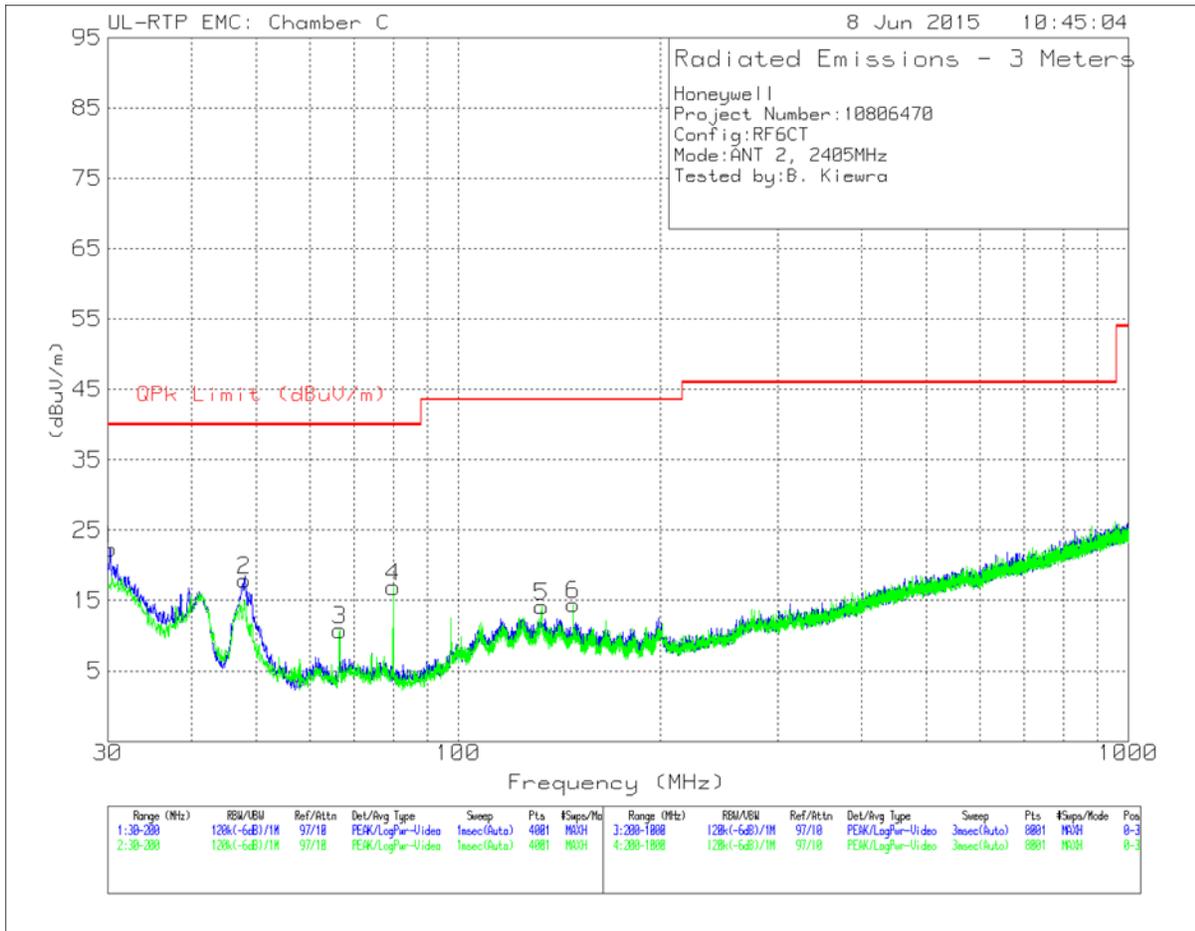
**SPURIOUS EMISSIONS 30 TO 1000 MHz (ANT1, HIGH CHANNEL)**



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AT0066 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5	* 133.2325	31.47	Pk	13.6	-30.6	14.47	43.52	-29.05	0-360	100	V
1	30.5525	31.34	Pk	21.3	-31.6	21.04	40	-18.96	0-360	200	H
3	38.5	33.77	Pk	15.6	-31.5	17.87	40	-22.13	0-360	100	V
2	48.02	41.87	Pk	8.7	-31.4	19.17	40	-20.83	0-360	300	H
4	79.98	39.67	Pk	7.4	-31.1	15.97	40	-24.03	0-360	100	V
6	711.8	38.6	Pk	20.4	-28.6	30.4	46.02	-15.62	0-360	300	V

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band  
 Pk - Peak detector

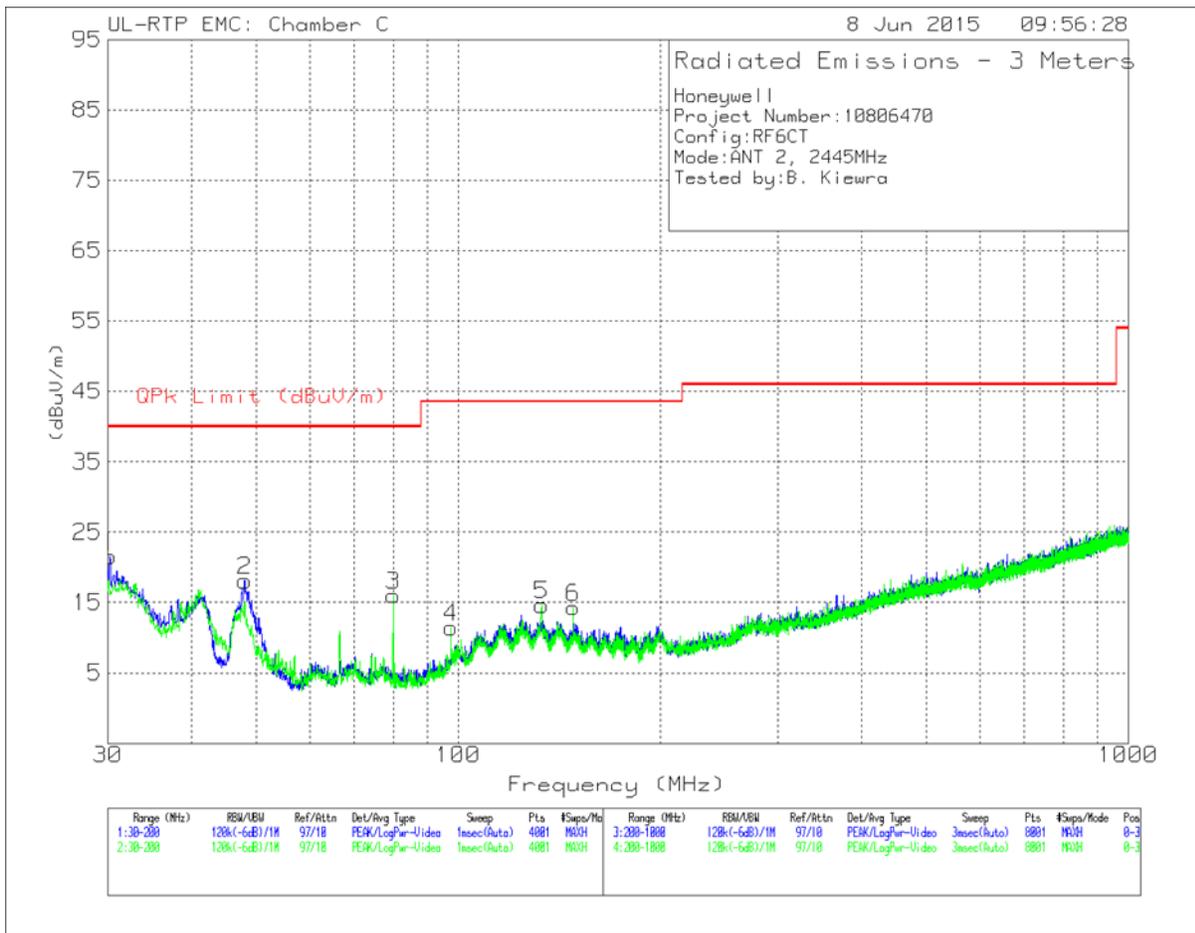
**SPURIOUS EMISSIONS 30 TO 1000 MHz (ANT2 LOW CHANNEL)**



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AT0066 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5	* 133.275	31.15	Pk	13.6	-30.6	14.15	43.52	-29.37	0-360	101	V
1	30.2125	32.42	Pk	21.5	-31.6	22.32	40	-17.68	0-360	100	H
2	47.9775	40.61	Pk	8.7	-31.4	17.91	40	-22.09	0-360	300	H
3	66.5925	33.72	Pk	8.3	-31.2	10.82	40	-29.18	0-360	101	V
4	79.98	40.61	Pk	7.4	-31.1	16.91	40	-23.09	0-360	101	V
6	148.49	32.13	Pk	12.8	-30.5	14.43	43.52	-29.09	0-360	101	V

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band  
 Pk - Peak detector

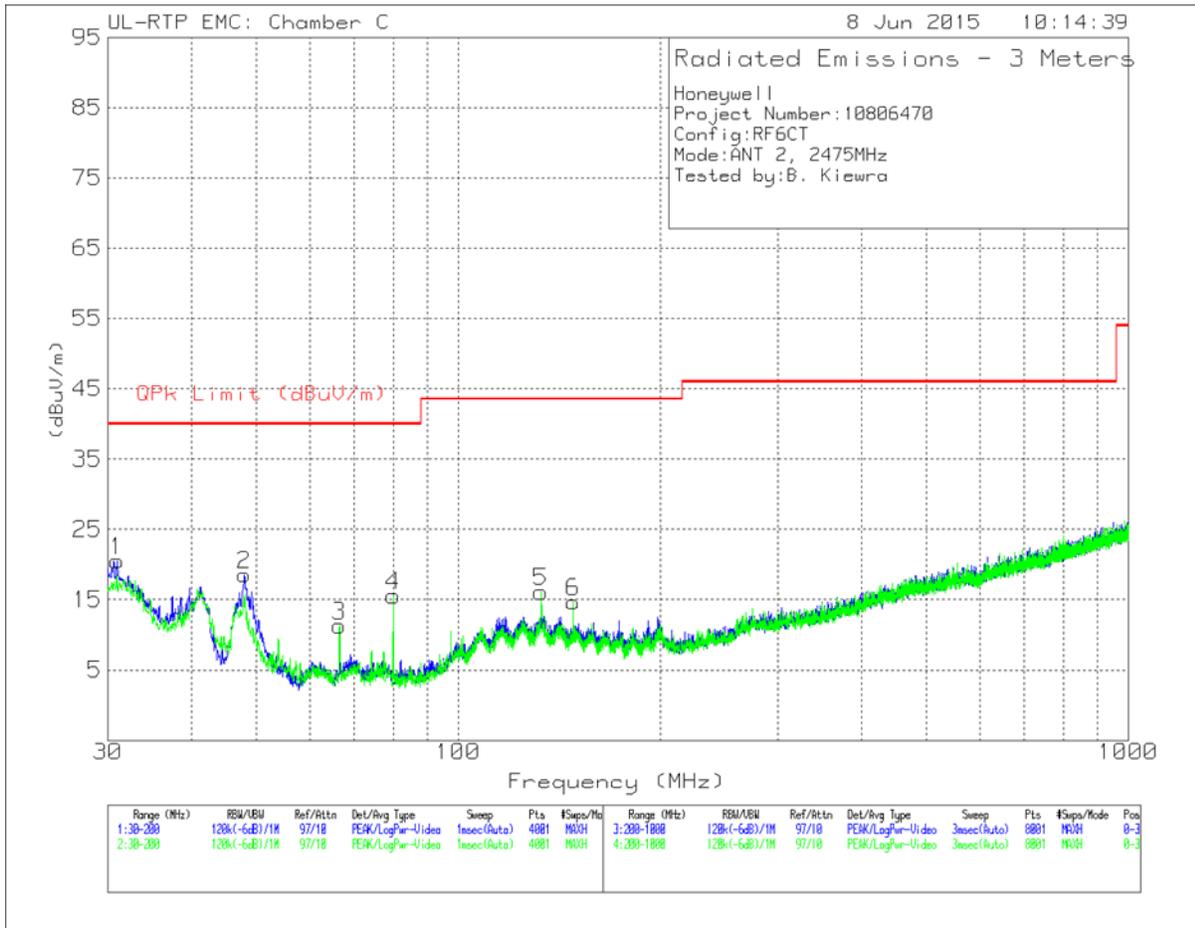
**SPURIOUS EMISSIONS 30 TO 1000 MHz (ANT2, MID CHANNEL)**



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AT0066 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5	* 133.275	31.64	Pk	13.6	-30.6	14.64	43.52	-28.88	0-360	100	V
1	30.2125	31.66	Pk	21.5	-31.6	21.56	40	-18.44	0-360	300	H
2	48.02	40.83	Pk	8.7	-31.4	18.13	40	-21.87	0-360	300	H
3	79.98	39.73	Pk	7.4	-31.1	16.03	40	-23.97	0-360	100	V
4	97.575	32.85	Pk	9.6	-31	11.45	43.52	-32.07	0-360	100	V
6	148.49	32	Pk	12.8	-30.5	14.3	43.52	-29.22	0-360	100	V

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band  
 Pk - Peak detector

**SPURIOUS EMISSIONS 30 TO 1000 MHz (ANT2, HIGH CHANNEL)**

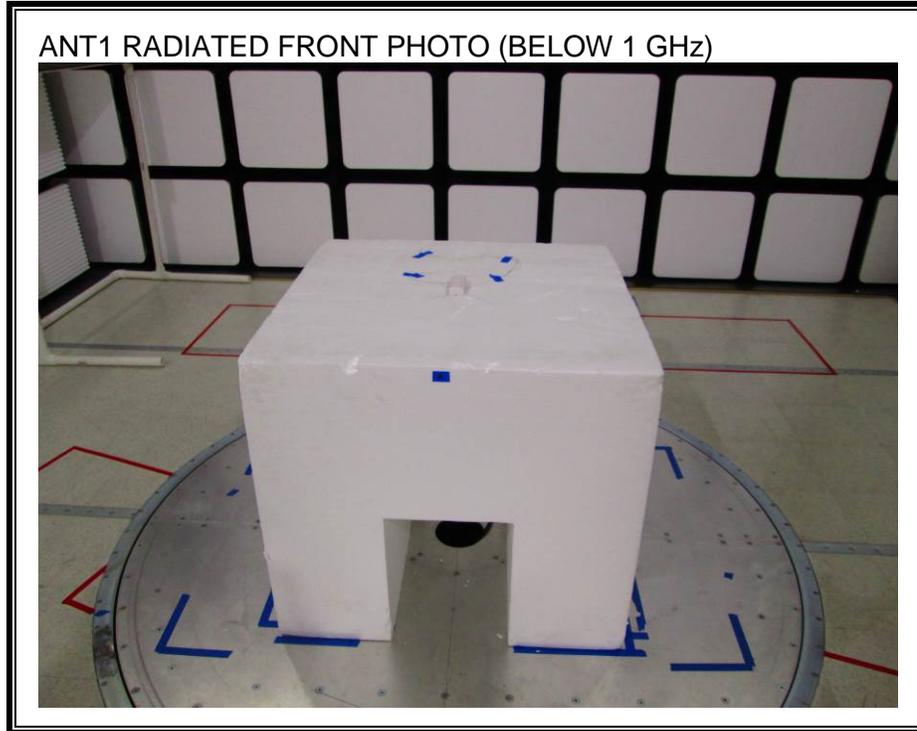


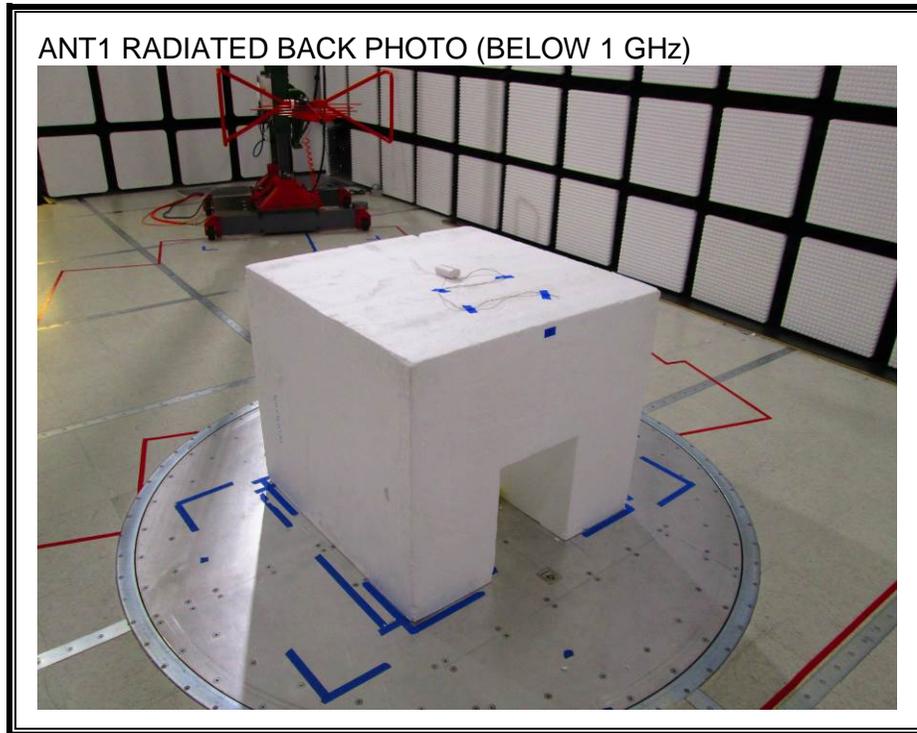
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AT0066 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5	* 132.8075	33.13	Pk	13.6	-30.6	16.13	43.52	-27.39	0-360	100	V
1	30.9775	31.05	Pk	21.1	-31.6	20.55	40	-19.45	0-360	200	H
2	47.9775	41.27	Pk	8.7	-31.4	18.57	40	-21.43	0-360	300	H
3	66.5075	34.19	Pk	8.3	-31.2	11.29	40	-28.71	0-360	100	V
4	79.98	39.28	Pk	7.4	-31.1	15.58	40	-24.42	0-360	100	V
6	148.49	32.39	Pk	12.8	-30.5	14.69	43.52	-28.83	0-360	100	V

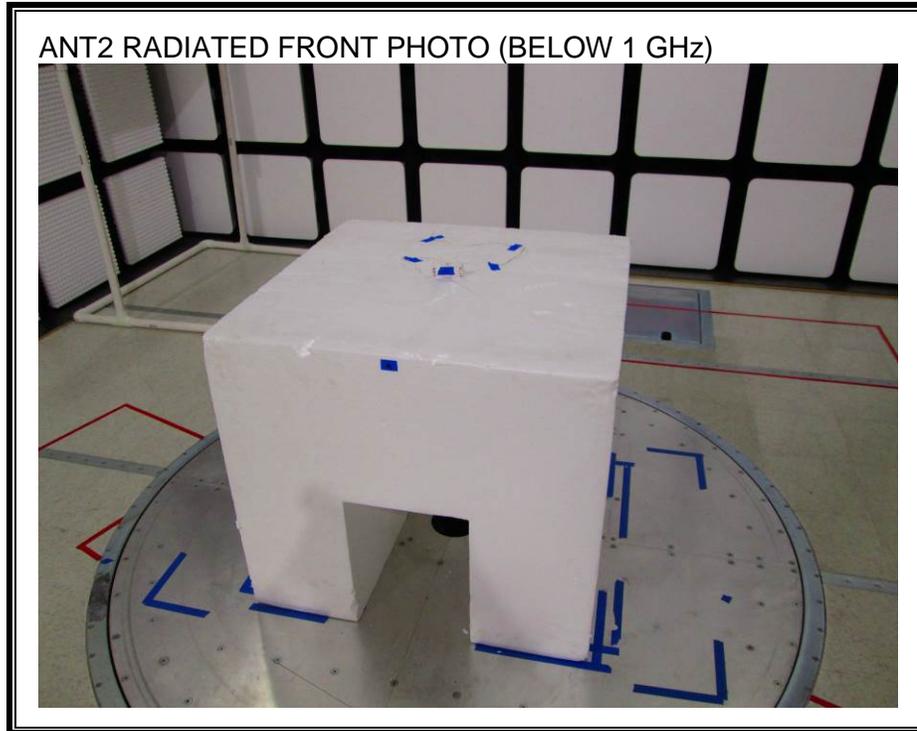
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band  
 Pk - Peak detector

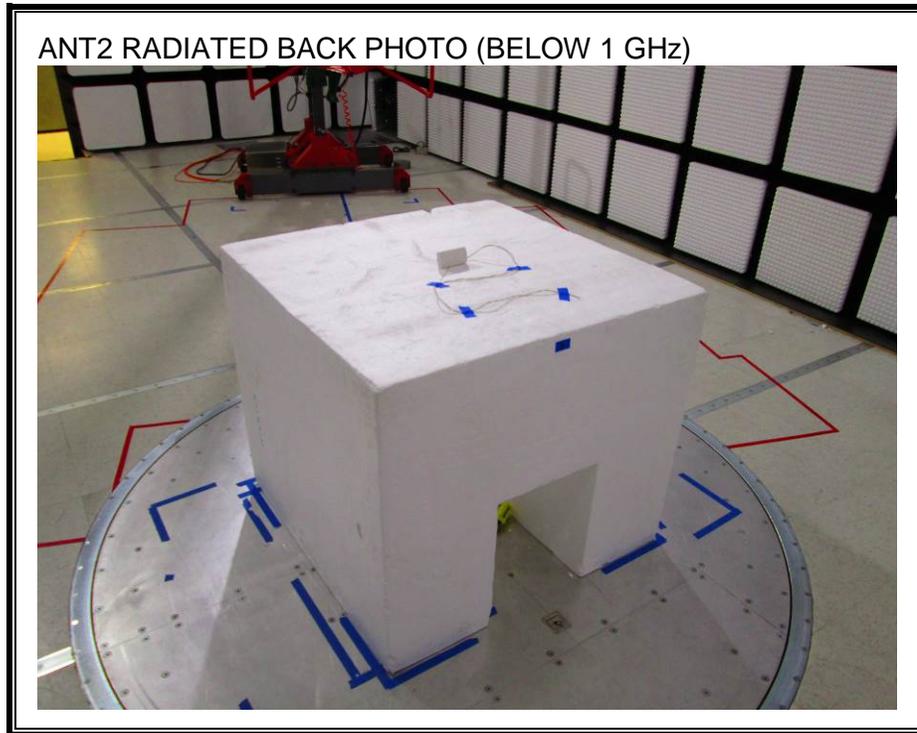
## 9. SETUP PHOTOS

### RADIATED RF MEASUREMENT SETUP (BELOW 1 GHz)

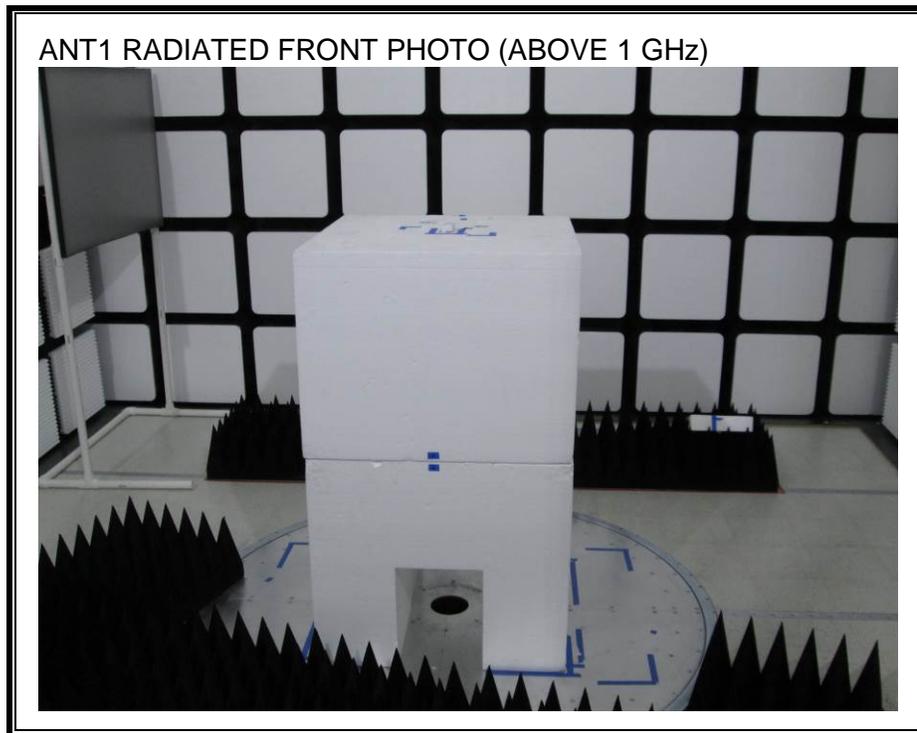


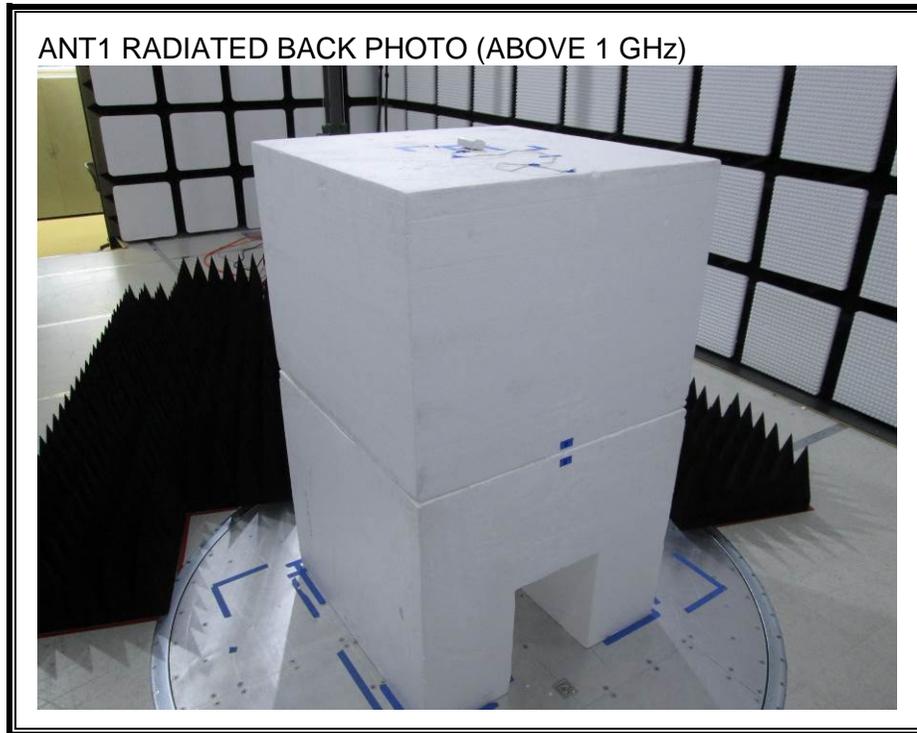


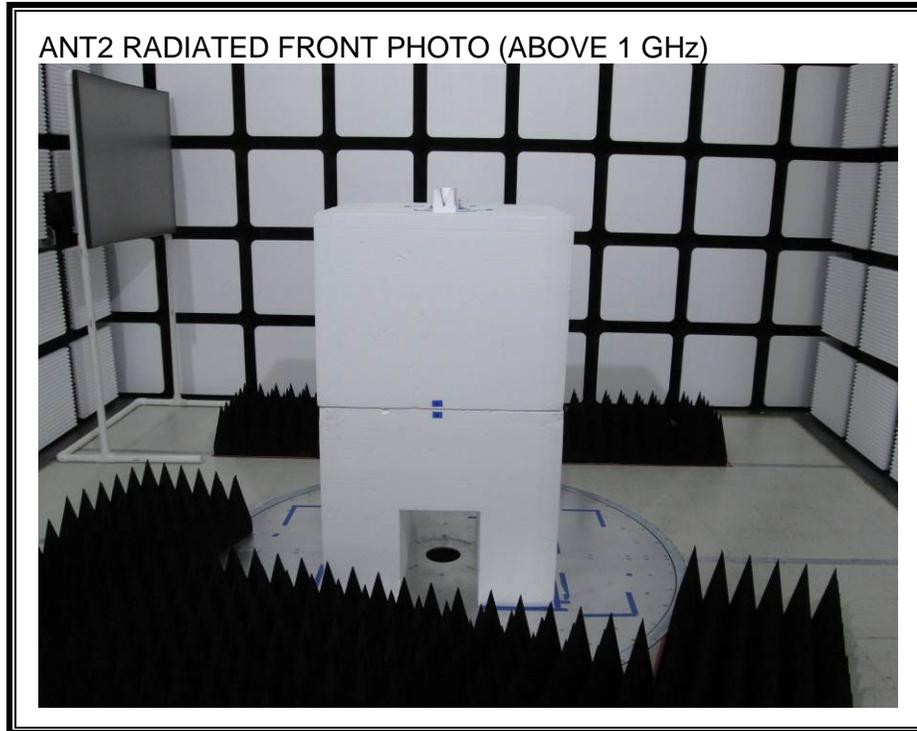




**RADIATED RF MEASUREMENT SETUP (ABOVE 1 GHz)**

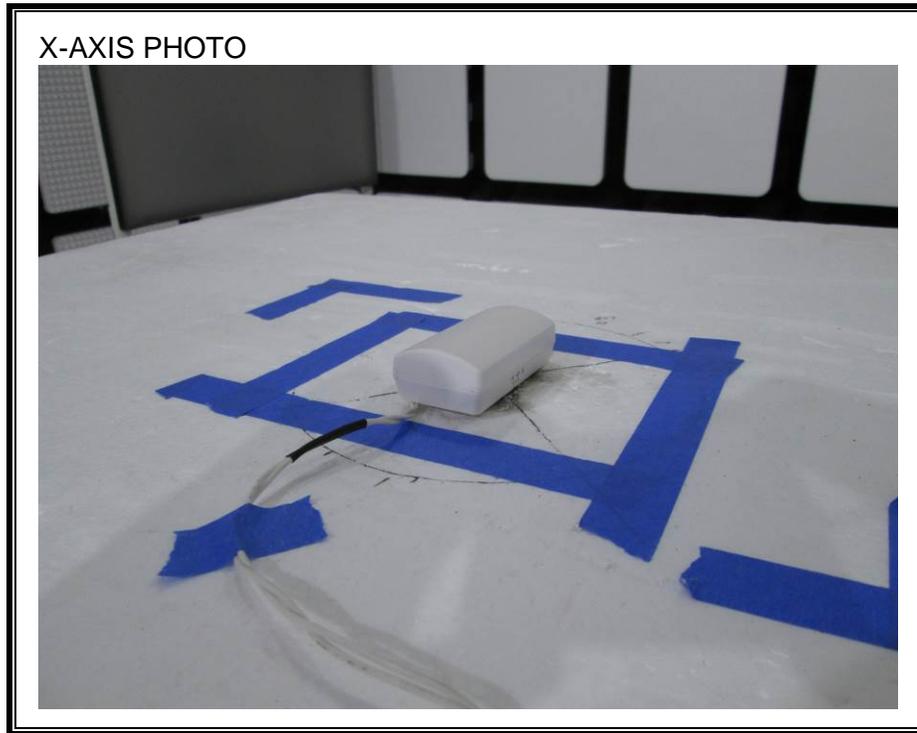


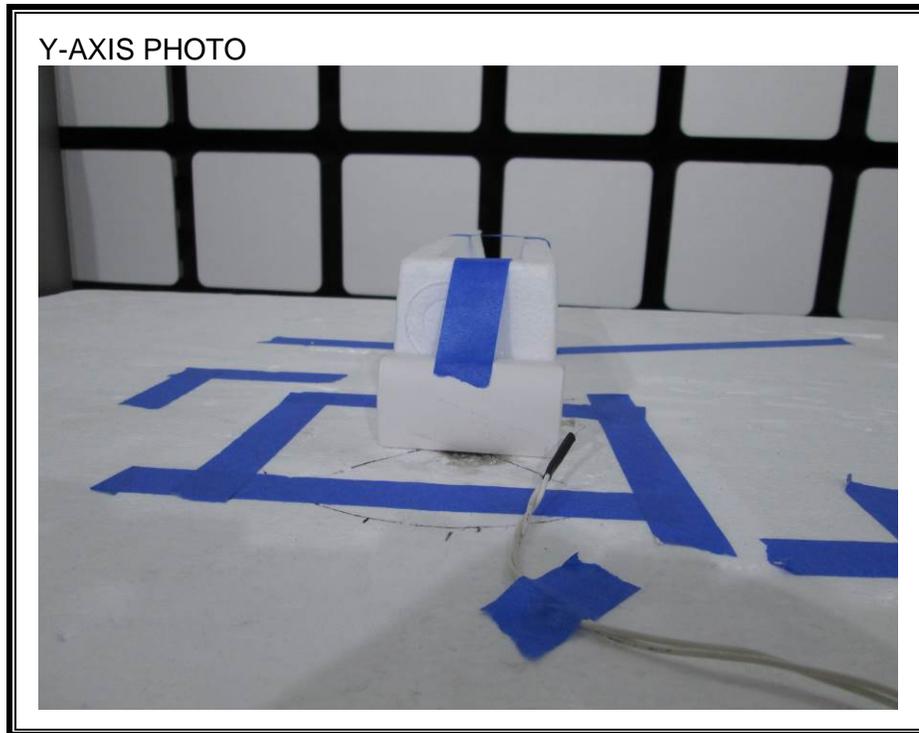


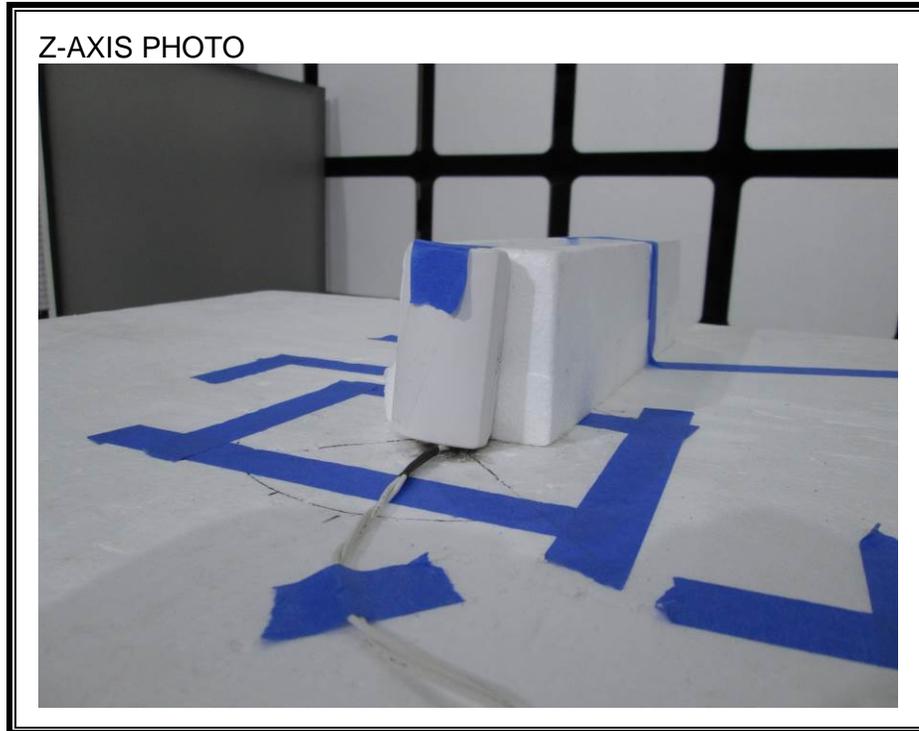




**X,Y,Z ORIENTATION SETUP**







## END OF REPORT