

8.9.2. 99% BANDWIDTH

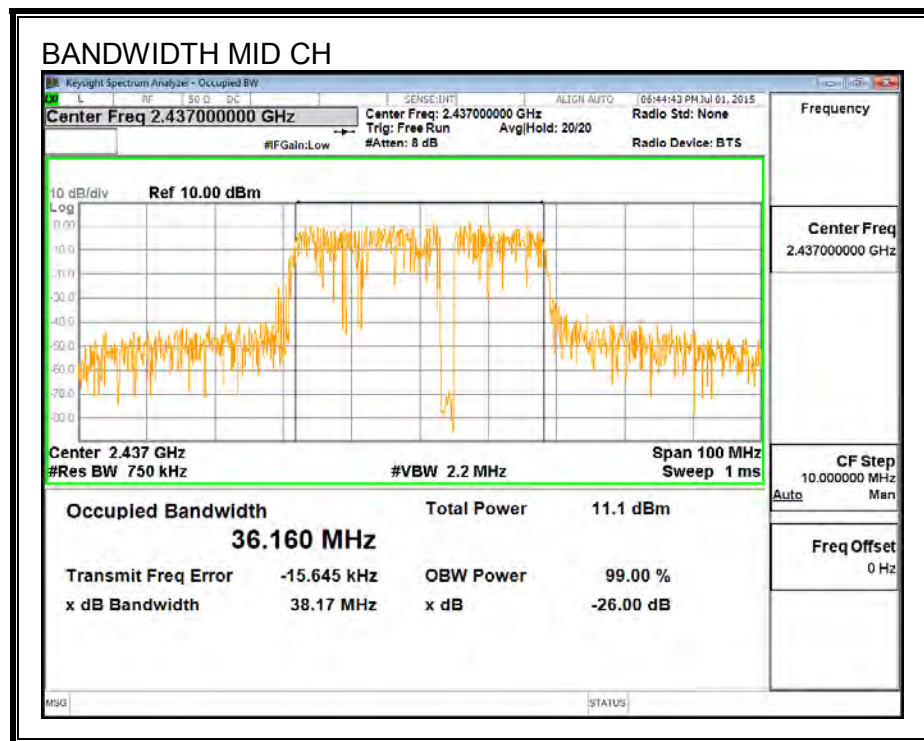
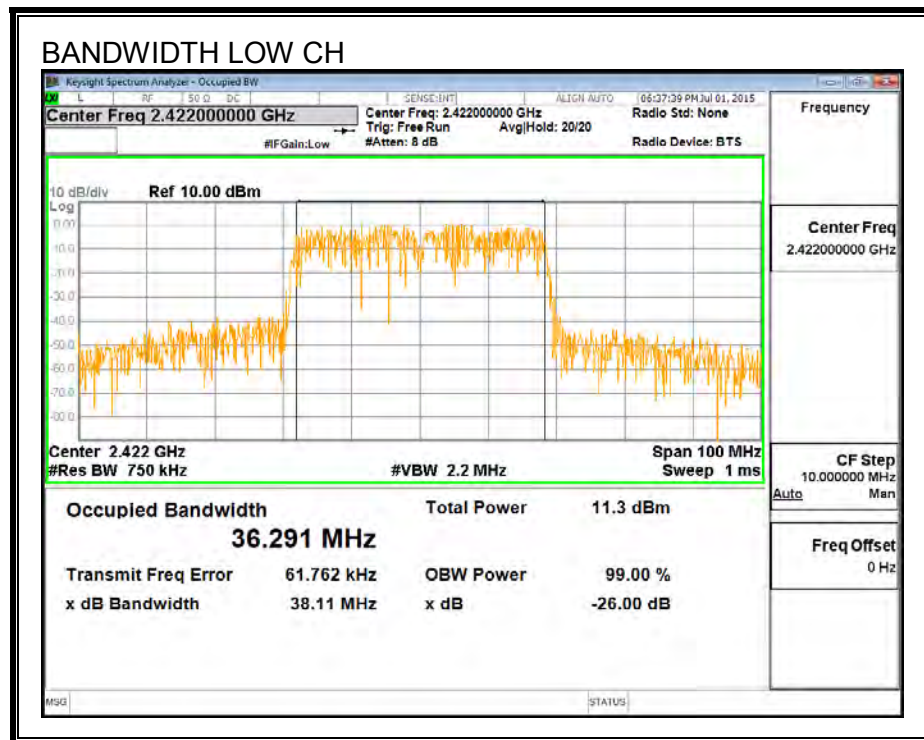
LIMITS

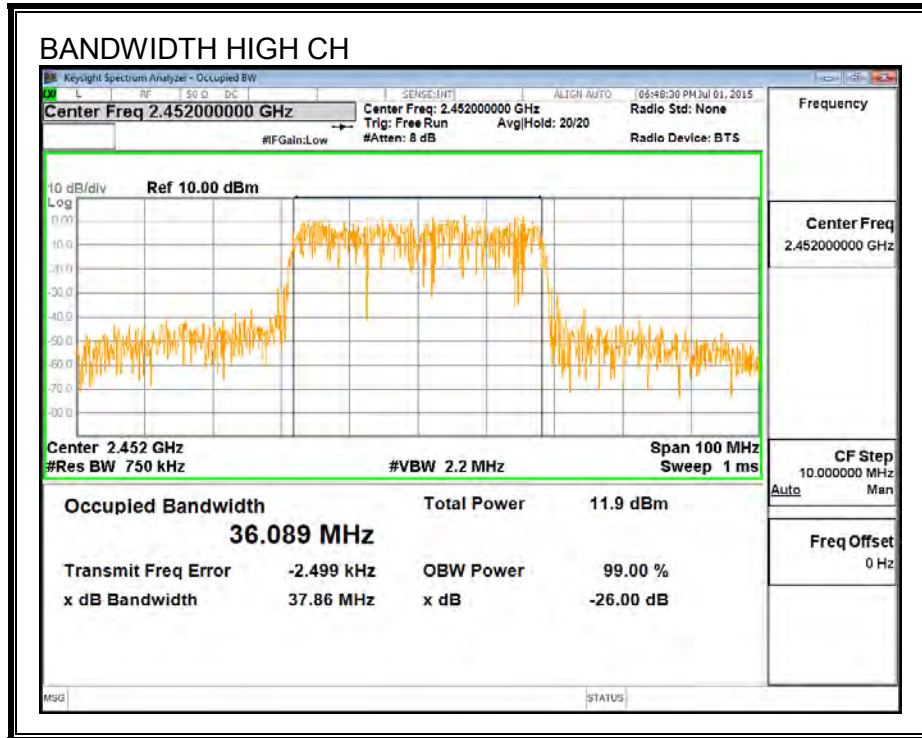
None; for reporting purposes only.

RESULTS

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	2422	36.2910
Mid	2437	36.1600
High	2452	36.0890

99% BANDWIDTH





8.9.3. OUTPUT POWER

LIMITS

FCC §15.247

IC RSS-247 (5.4) (4)

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

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

RESULTS

Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Max Power (dBm)
Low	2422	3.10	30.00	30	36	30.00
Mid	2437	3.10	30.00	30	36	30.00
High	2452	3.10	30.00	30	36	30.00

Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Margin (dB)
Low	2422	10.23	10.23	30.00	-19.77
Mid	2437	10.44	10.44	30.00	-19.56
High	2452	10.51	10.51	30.00	-19.49

8.9.4. POWER SPECTRAL DENSITY

LIMITS

FCC §15.247

IC RSS-247 (5.2) (2)

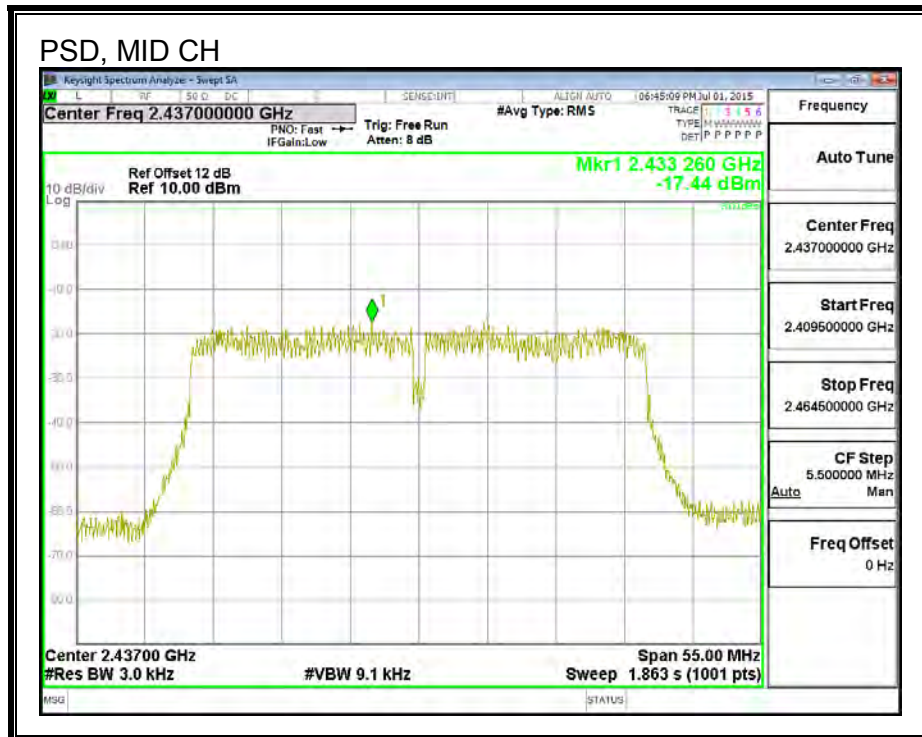
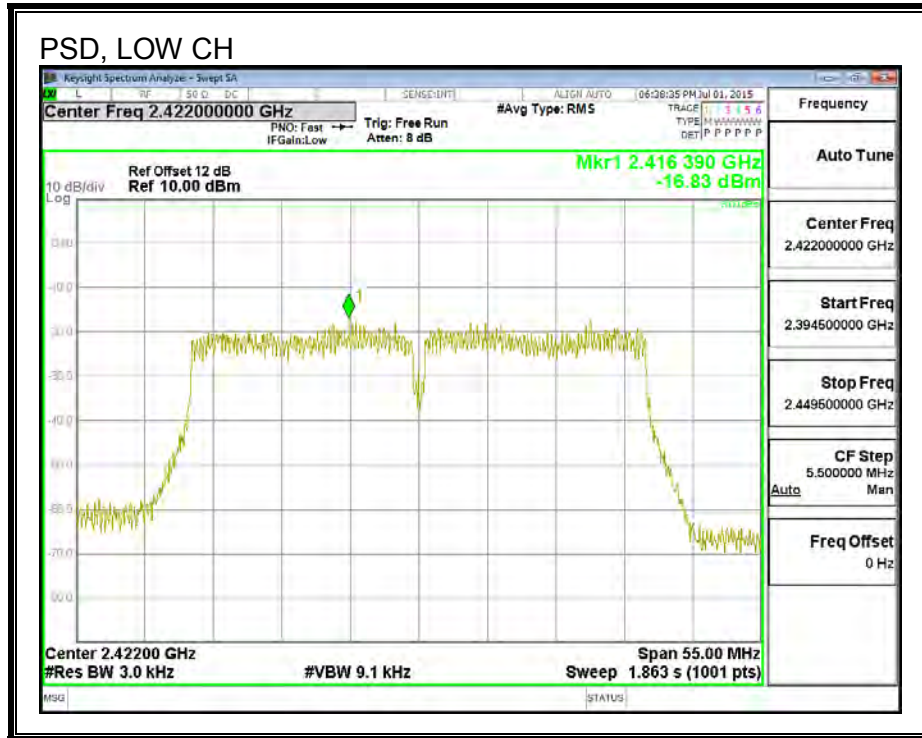
For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 KHz band during any time interval of continuous transmissions.

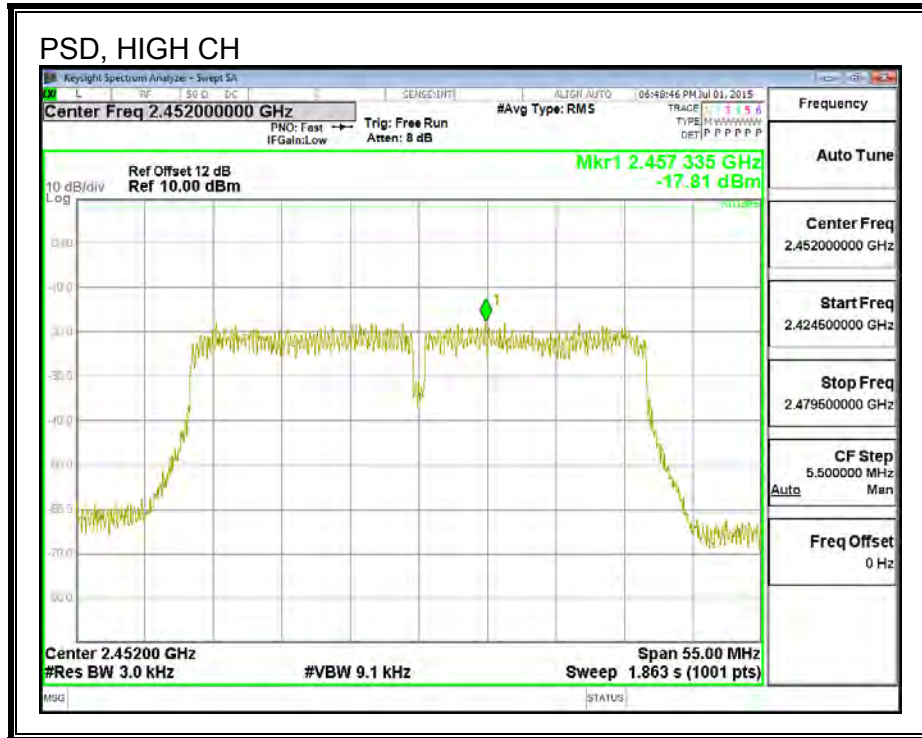
RESULTS

PSD Results

Channel	Frequency (MHz)	Chain 0 Meas (dBm)	Total Corr'd PSD (dBm)	Limit (dBm)	Margin (dB)
Low	2422	-16.83	-16.83	8.0	-24.8
Mid	2437	-17.44	-17.44	8.0	-25.4
High	2452	-17.81	-17.81	8.0	-25.8

PSD, Antenna 2





8.9.5. OUT-OF-BAND EMISSIONS

LIMITS

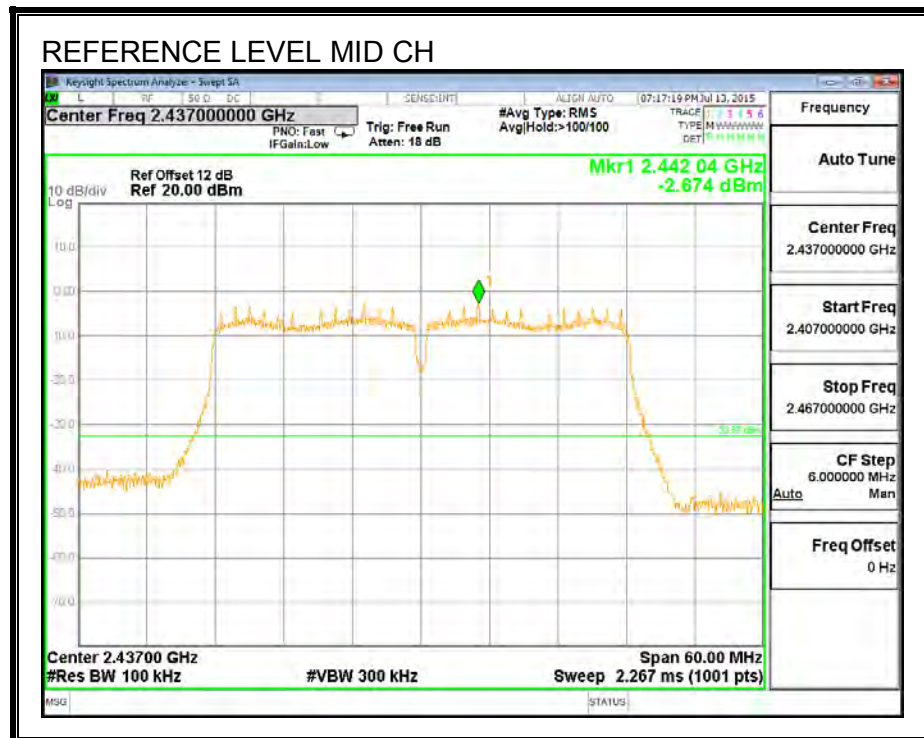
FCC §15.247 (d)

IC RSS-247 (5.5)

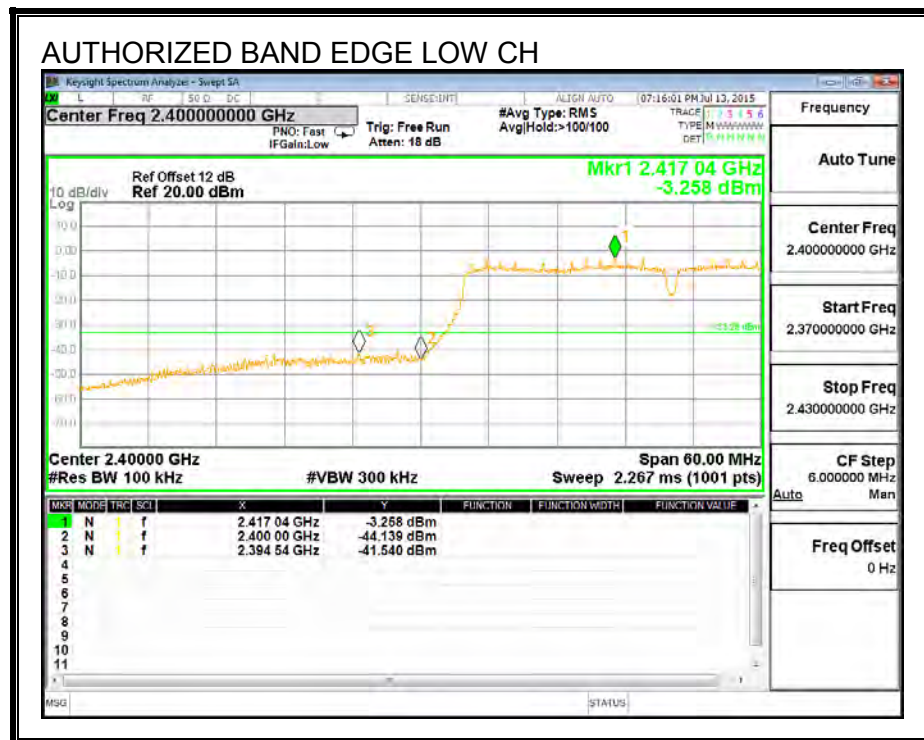
In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required.

RESULTS

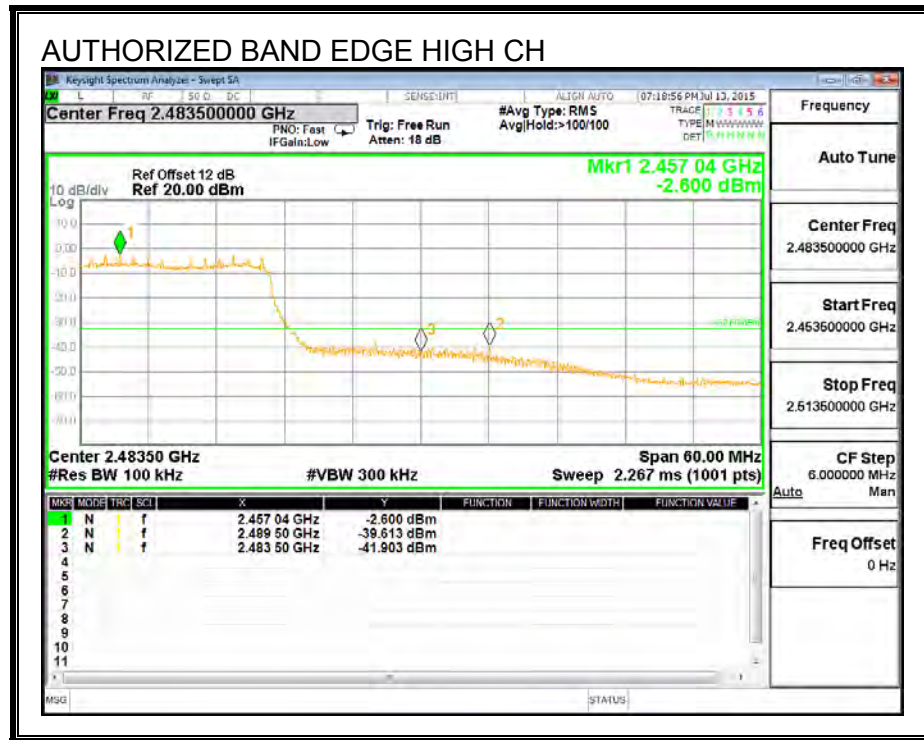
IN-BAND REFERENCE LEVEL



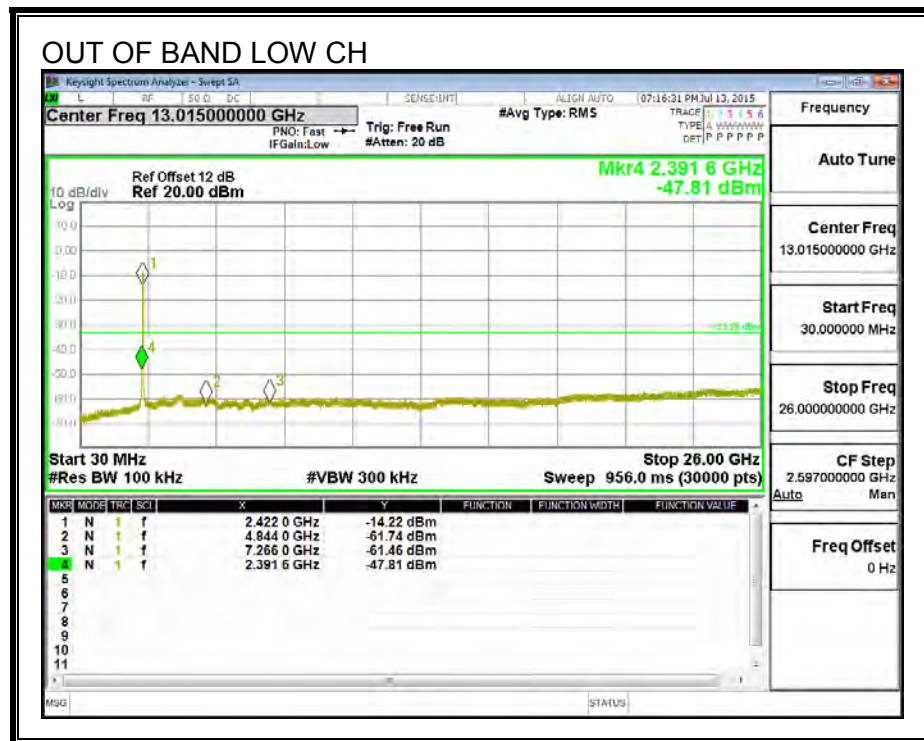
LOW CHANNEL BANDEDGE

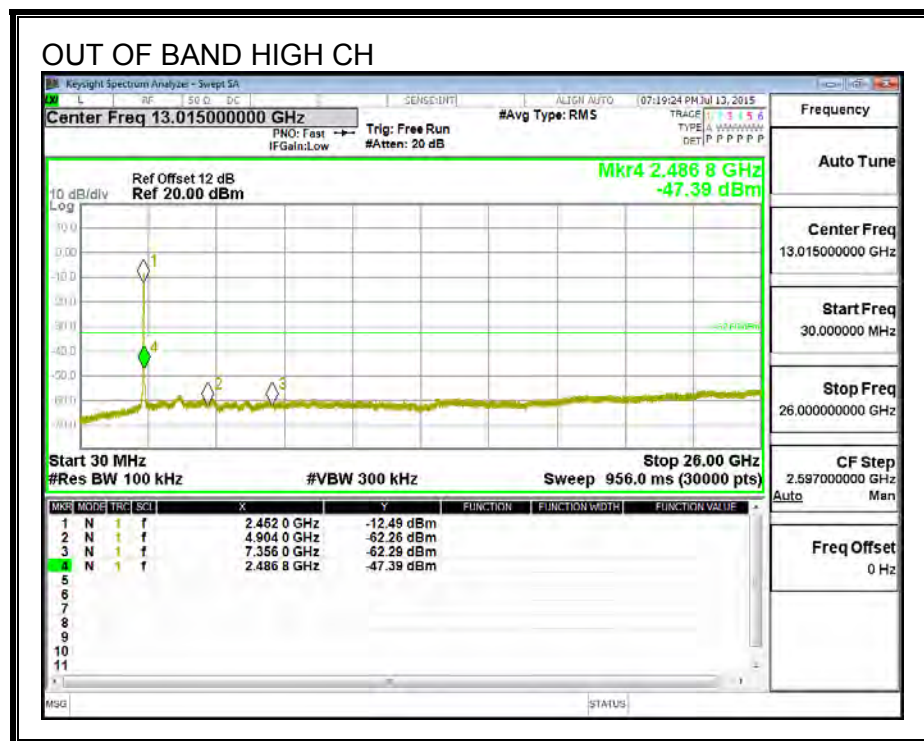
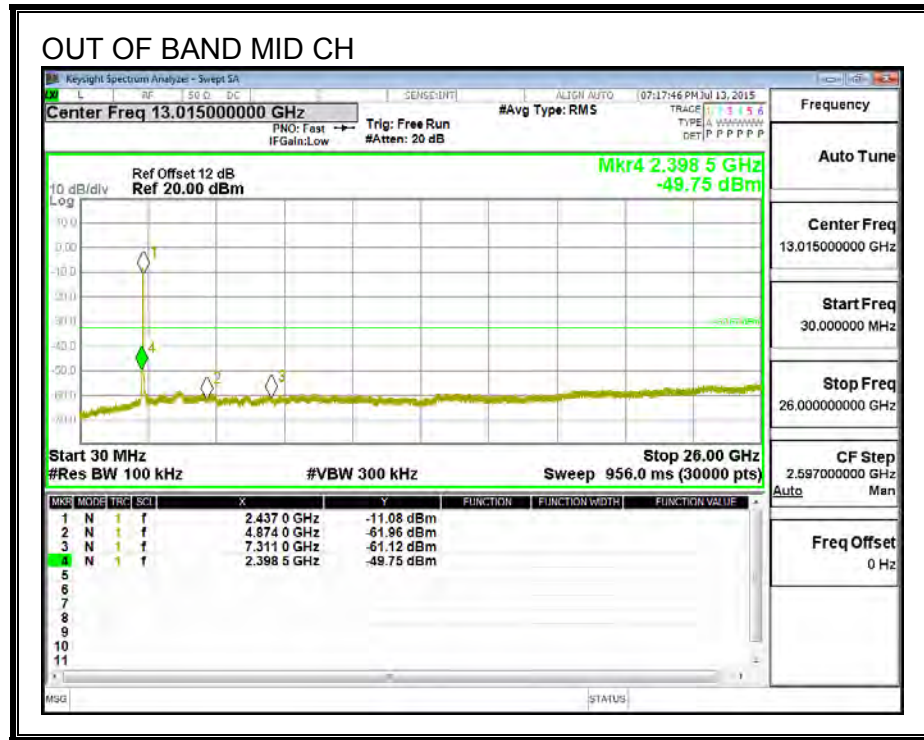


HIGH CHANNEL BANDEDGE



OUT-OF-BAND EMISSIONS





9. RADIATED TEST RESULTS

9.1. LIMITS AND PROCEDURE

LIMITS

FCC §15.205 and §15.209

IC RSS-GEN, Section 8.9 and 8.10.

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.

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; the video bandwidth is set to 1 MHz for peak measurements and as applicable for average measurements.

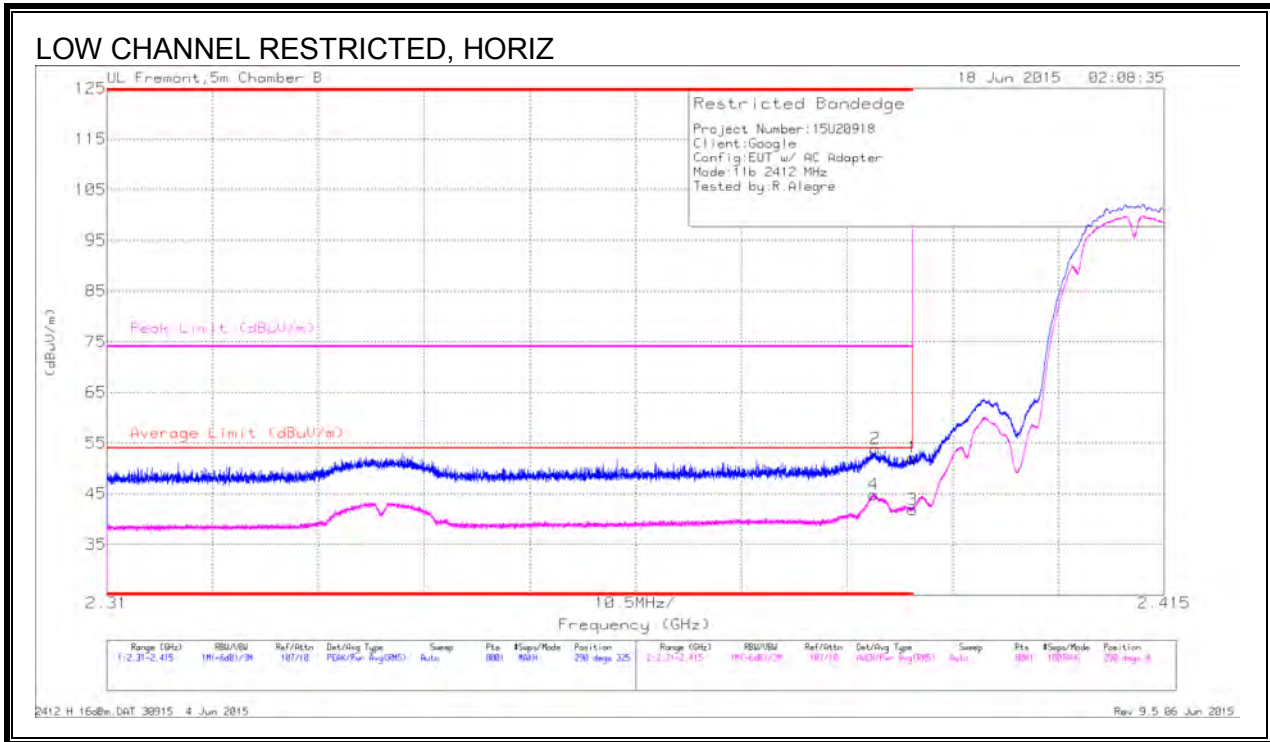
The spectrum from 30 MHz to 40 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band.

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.

9.2. TRANSMITTER ABOVE 1 GHz

9.2.1. TX ABOVE 1 GHz 802.11b IN THE 2.4 GHz BAND ANTENNA 1

RESTRICTED BANDEDGE (LOW CHANNEL)

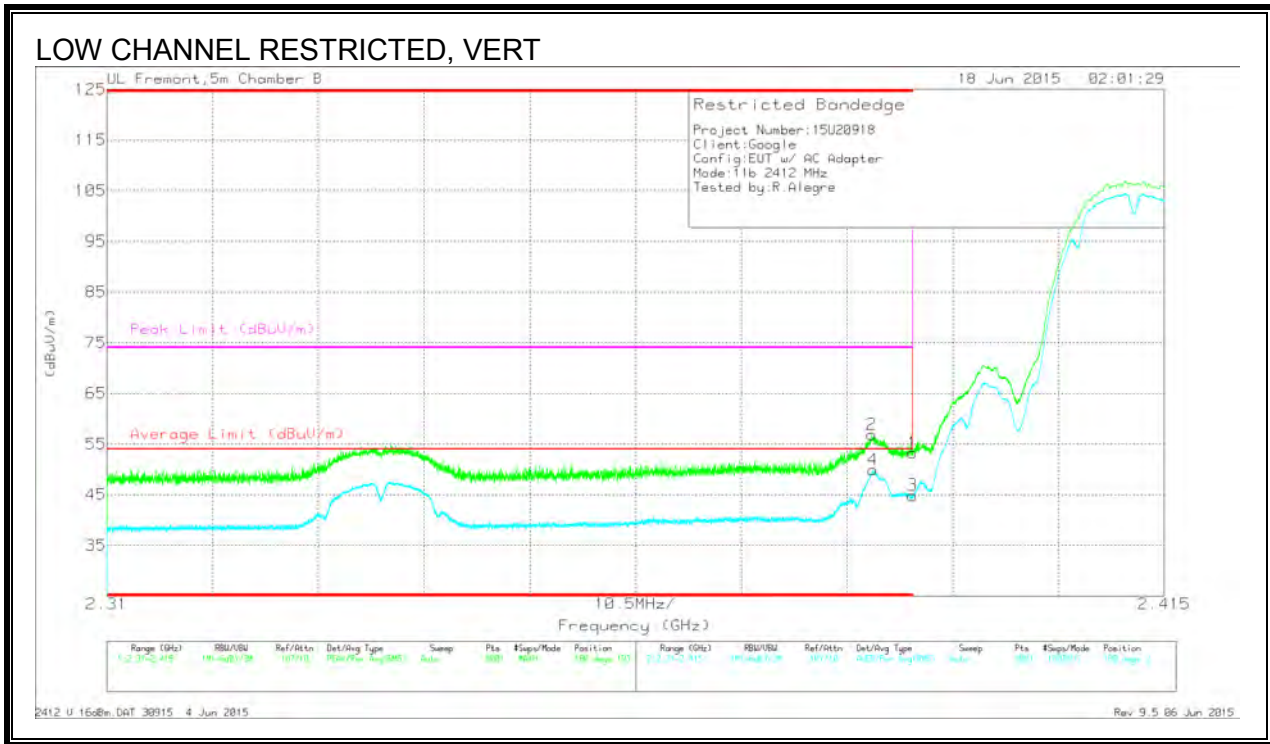


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	41.83	Pk	32	-21.7	52.13	-	-	74	-21.87	290	325	H
2	* 2.386	43.55	Pk	32	-21.7	53.85	-	-	74	-20.15	290	325	H
3	* 2.39	31.58	RMS	32	-21.7	41.88	54	-12.12	-	-	290	325	H
4	* 2.386	34.51	RMS	32	-21.7	44.81	54	-9.19	-	-	290	325	H

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

Pk - Peak detector

RMS - RMS detection



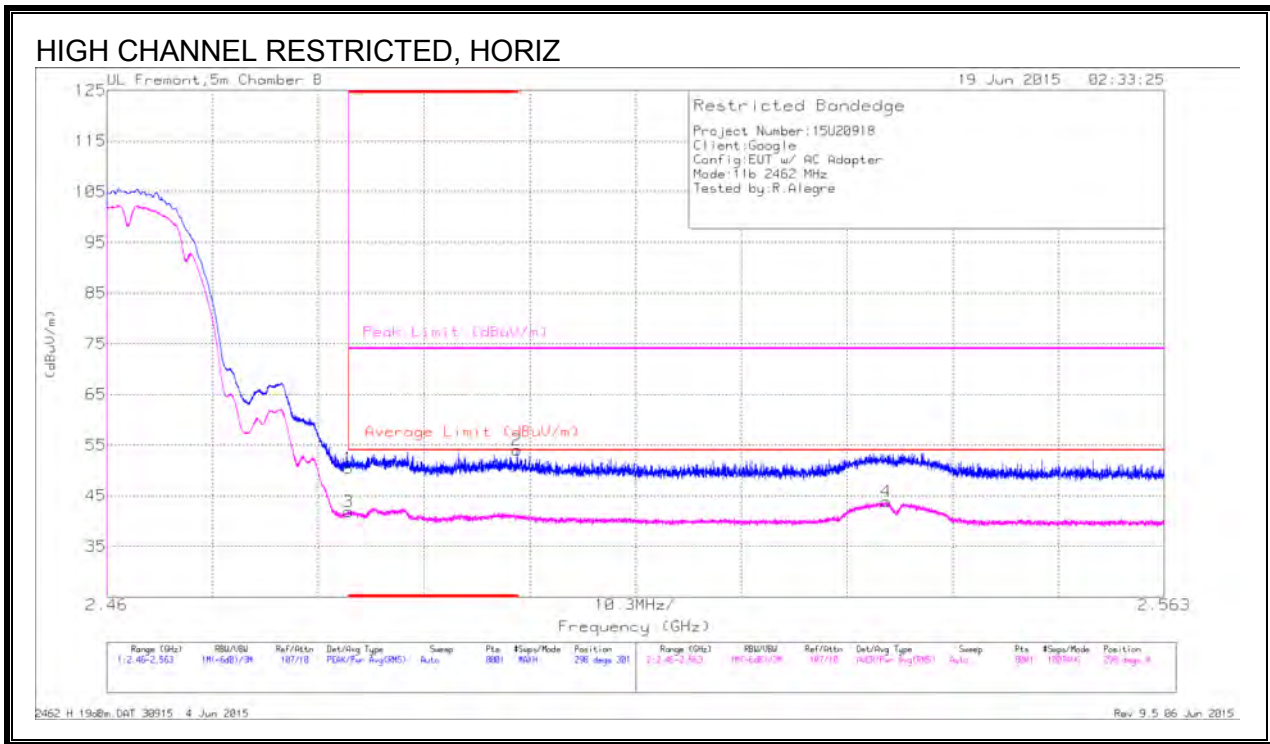
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filt/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	42.93	Pk	32	-21.7	53.23	-	-	74	-20.77	180	193	V
2	* 2.386	46.56	Pk	32	-21.7	56.86	-	-	74	-17.14	180	193	V
3	* 2.39	34.59	RMS	32	-21.7	44.89	54	-9.11	-	-	180	193	V
4	* 2.386	39.64	RMS	32	-21.7	49.94	54	-4.06	-	-	180	193	V

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

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)

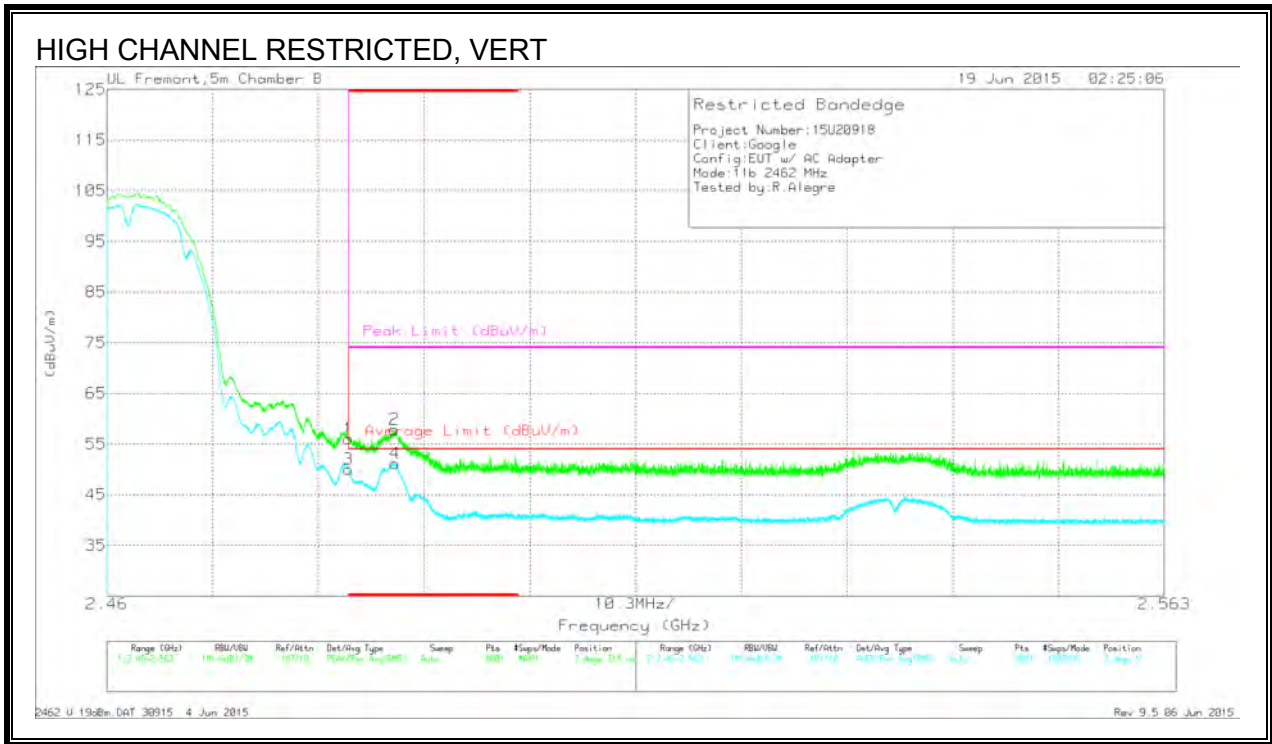


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	39.45	Pk	32.5	-21.5	50.45	-	-	74	-23.55	298	301	H
2	* 2.5	43.04	Pk	32.5	-21.5	54.04	-	-	74	-19.96	298	301	H
3	* 2.484	30.84	RMS	32.5	-21.5	41.84	54	-12.16	-	-	298	301	H
4	2.536	32.68	RMS	32.6	-21.4	43.88	54	-10.12	-	-	298	301	H

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

Pk - Peak detector

RMS - RMS detection



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filt/Pad (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	45.02	Pk	32.5	-21.5	56.02	-	-	74	-17.98	2	314	V
2	* 2.488	46.83	Pk	32.5	-21.5	57.83	-	-	74	-16.17	2	314	V
3	* 2.484	39.04	RMS	32.5	-21.5	50.04	54	-3.96	-	-	2	314	V
4	* 2.488	40.21	RMS	32.5	-21.5	51.21	54	-2.79	-	-	2	314	V

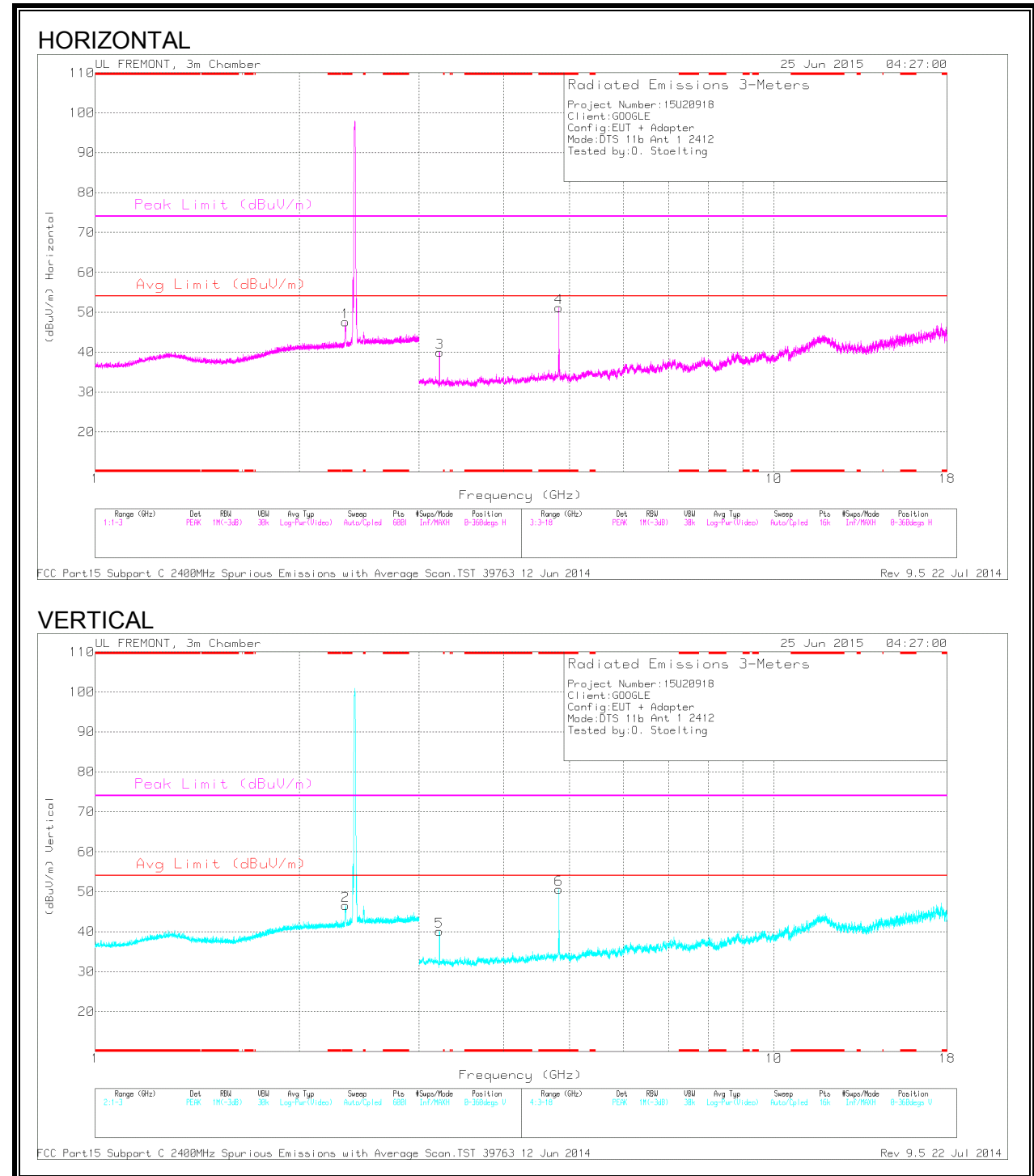
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL



DATA

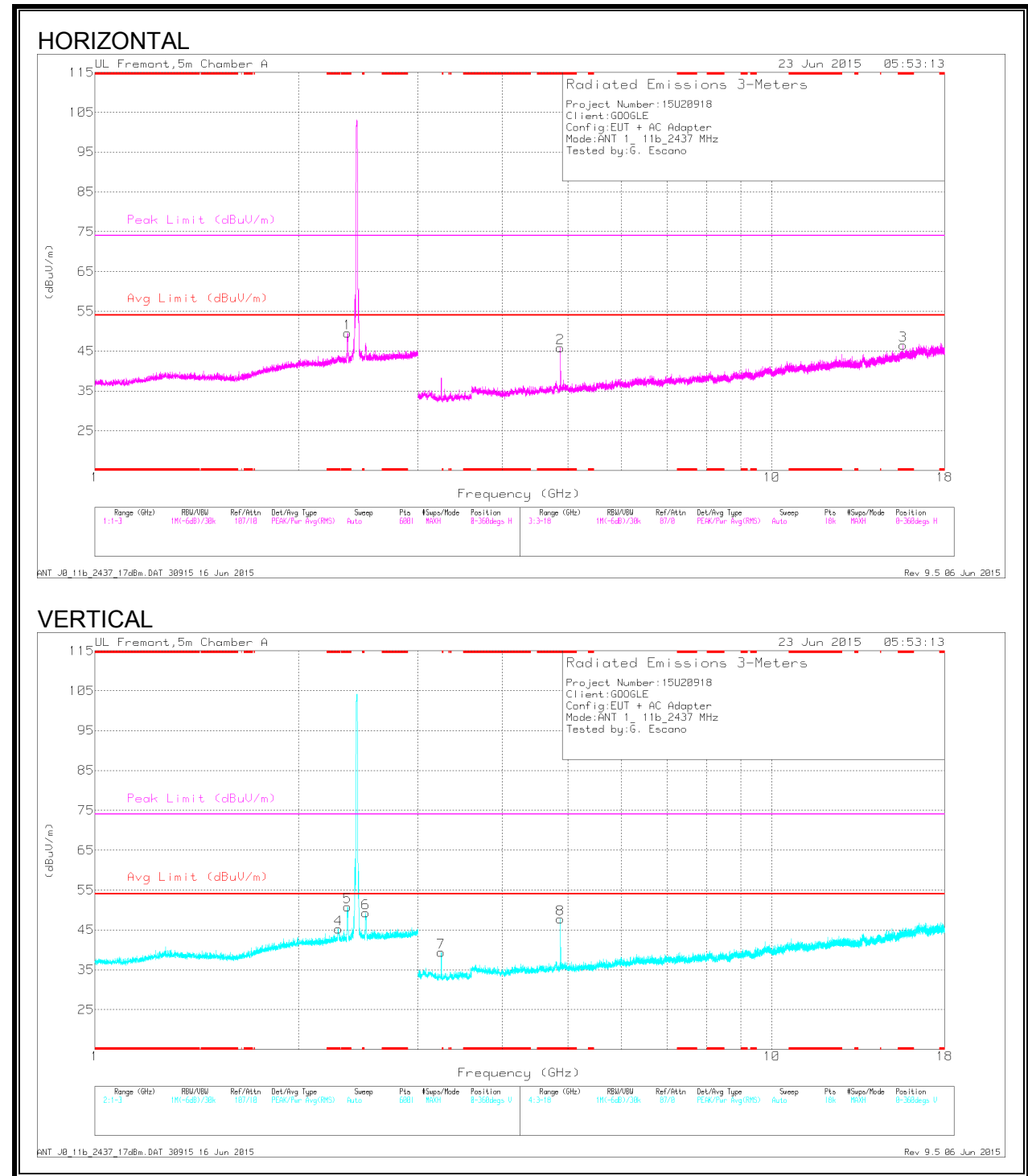
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.336	45.9	PK2	31.8	-22.5	0	55.2	-	-	74	-18.8	82	240	H
	* 2.338	36.7	MAv1	31.8	-22.4	0	46.1	54	-7.9	-	-	82	240	H
2	* 2.339	46.73	PK2	31.8	-22.4	0	56.13	-	-	74	-17.87	315	268	V
	* 2.338	38.5	MAv1	31.8	-22.4	0	47.9	54	-6.1	-	-	315	268	V
3	* 4.824	50.31	PK2	34	-29.4	0	54.91	-	-	74	-19.09	195	197	H
	* 4.824	47.53	MAv1	34	-29.4	0	52.13	54	-1.87	-	-	195	197	H
5	* 4.824	49.67	PK2	34	-29.4	0	54.27	-	-	74	-19.73	134	198	V
	* 4.824	46.62	MAv1	34	-29.4	0	51.22	54	-2.78	-	-	134	198	V
4	3.216	38.25	PK2	32.6	-30.8	0	40.05	-	-	-	-	189	211	V
6	3.217	38.17	PK2	32.6	-30.8	0	39.97	-	-	-	-	171	145	H

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL



DATA

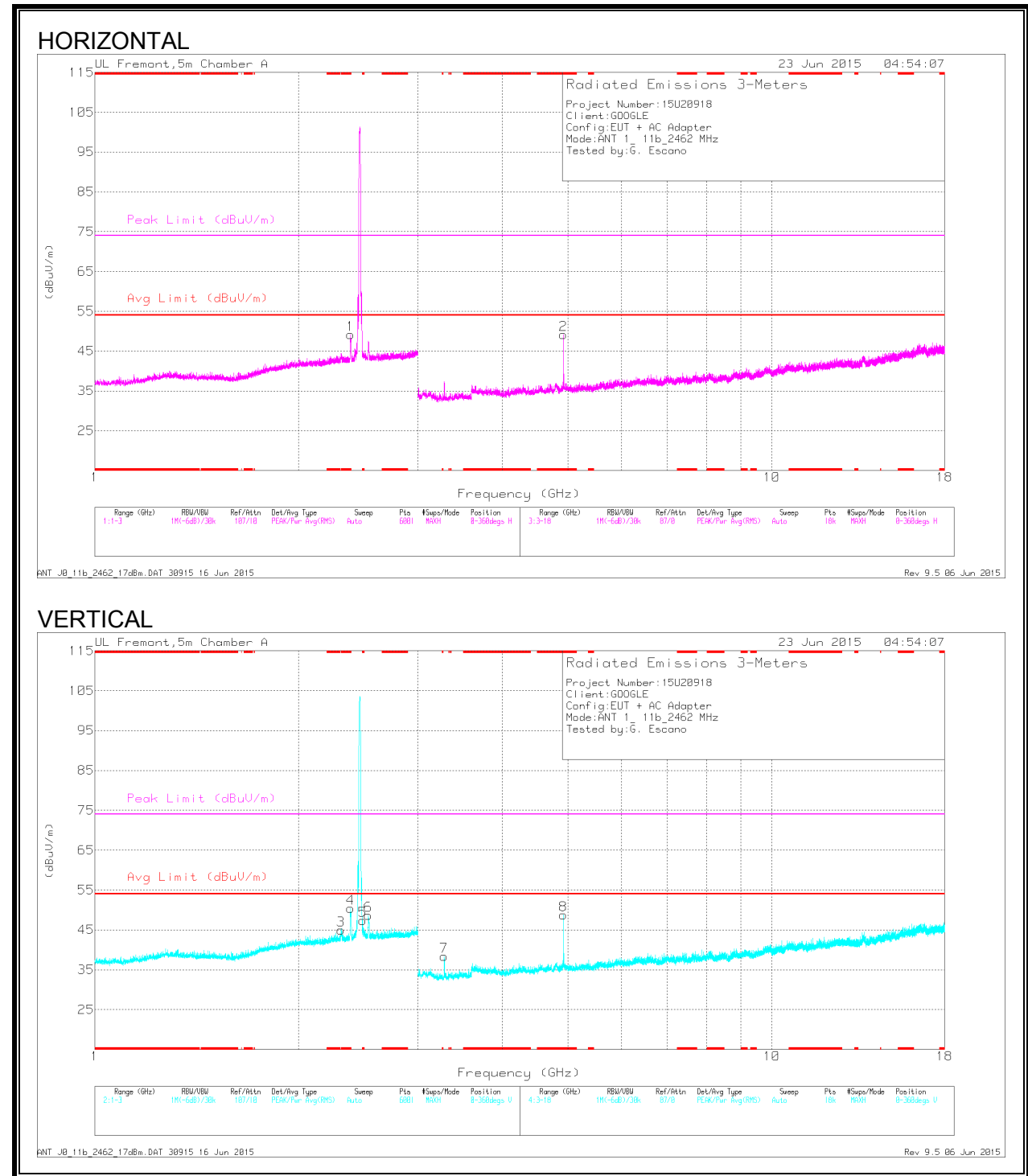
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.361	50.21	PK2	31.9	-25	0	57.11	-	-	74	-16.89	195	276	H
	* 2.361	42.45	MAv1	31.9	-24.9	0	49.45	54	-4.55	-	-	195	276	H
4	* 2.289	47.23	PK2	31.8	-25	0	54.03	-	-	74	-19.97	315	166	V
	* 2.289	36.56	MAv1	31.8	-25	0	43.36	54	-10.64	-	-	315	166	V
5	* 2.364	50.92	PK2	31.9	-24.9	0	57.92	-	-	74	-16.08	287	205	V
	* 2.364	43.67	MAv1	31.9	-24.9	0	50.67	54	-3.33	-	-	287	205	V
2	* 4.874	46.65	PK2	33.9	-30.1	0	50.45	-	-	74	-23.55	64	297	H
	* 4.874	42.64	MAv1	33.9	-30.1	0	46.44	54	-7.56	-	-	64	297	H
3	* 15.623	34.89	PK2	40.4	-22.6	0	52.69	-	-	74	-21.31	313	395	H
	* 15.621	23.49	MAv1	40.4	-22.6	0	41.29	54	-12.71	-	-	313	395	H
8	* 4.874	48.12	PK2	33.9	-30.1	0	51.92	-	-	74	-22.08	304	171	V
	* 4.874	43.96	MAv1	33.9	-30.1	0	47.76	54	-6.24	-	-	304	171	V
6	2.513	41.87	PK2	32.1	-24.7	0	49.27	-	-	-	-	182	133	V
7	3.249	40.1	PK2	32.8	-33.5	0	39.4	-	-	-	-	177	145	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL



DATA

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/ Filtr/Pad (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	* 2.389	50.02	PK2	32	-24.9	0	57.12	-	-	74	-16.88	173	328	H
	* 2.388	42.4	MAv1	32	-24.9	0	49.5	54	-4.5	-	-	173	328	H
4	* 2.385	50.49	PK2	32	-24.9	0	57.59	-	-	74	-16.41	292	118	V
	* 2.386	42.89	MAv1	32	-24.9	0	49.99	54	-4.01	-	-	292	118	V
5	* 2.487	47.96	PK2	32.1	-24.8	0	55.26	-	-	74	-18.74	315	281	V
	* 2.488	37.33	MAv1	32.1	-24.8	0	44.63	54	-9.37	-	-	315	281	V
2	* 4.924	48.87	PK2	33.9	-29.6	0	53.17	-	-	74	-20.83	83	186	H
	* 4.924	45.19	MAv1	33.9	-29.6	0	49.49	54	-4.51	-	-	83	186	H
8	* 4.924	48.39	PK2	33.9	-29.6	0	52.69	-	-	74	-21.31	161	102	V
	* 4.924	44.92	MAv1	33.9	-29.6	0	49.22	54	-4.78	-	-	161	102	V
3	2.309	38.03	Pk2	31.9	-25	0	44.93	-	-	-	-	172	117	V
6	2.535	41.27	Pk2	32.1	-24.7	0	48.67	-	-	-	-	189	181	V
7	3.282	38.73	Pk2	32.8	-33.2	0	38.33	-	-	-	-	144	206	V

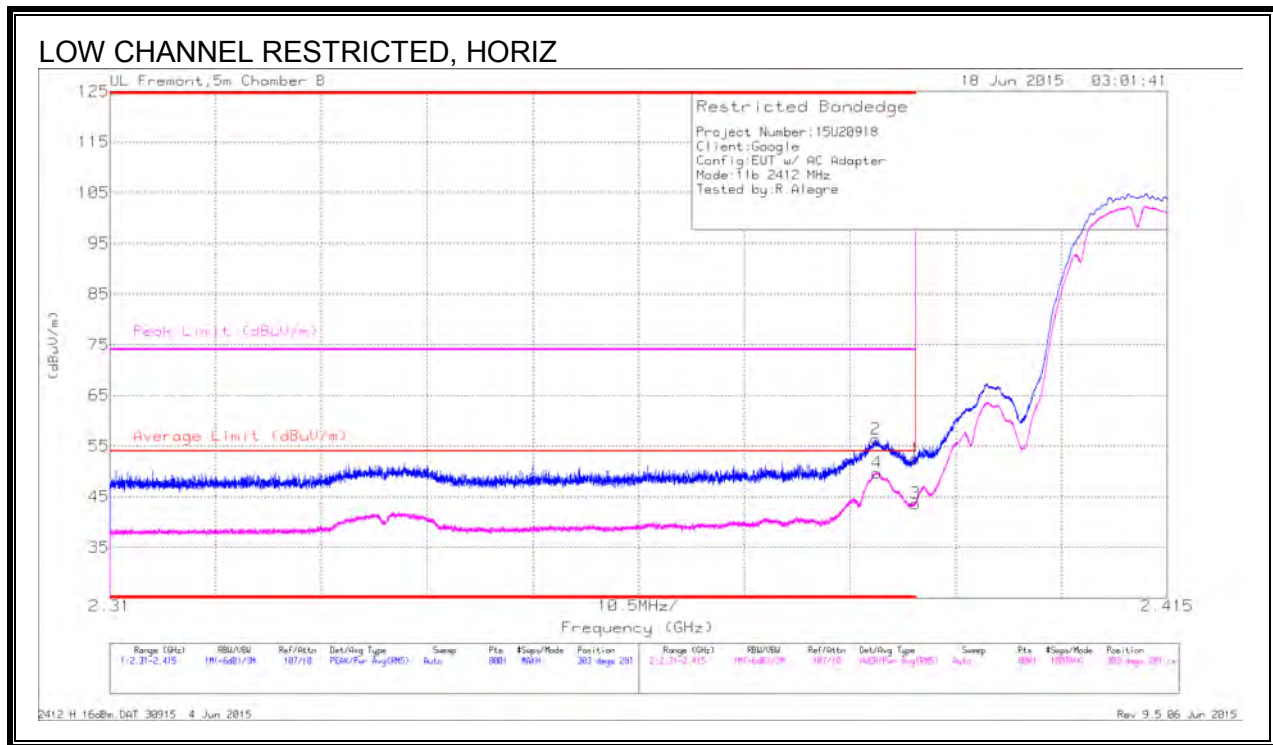
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

9.2.2. TX ABOVE 1 GHz 802.11b IN THE 2.4 GHz BAND ANTENNA 2

RESTRICTED BANDEDGE (LOW CHANNEL)



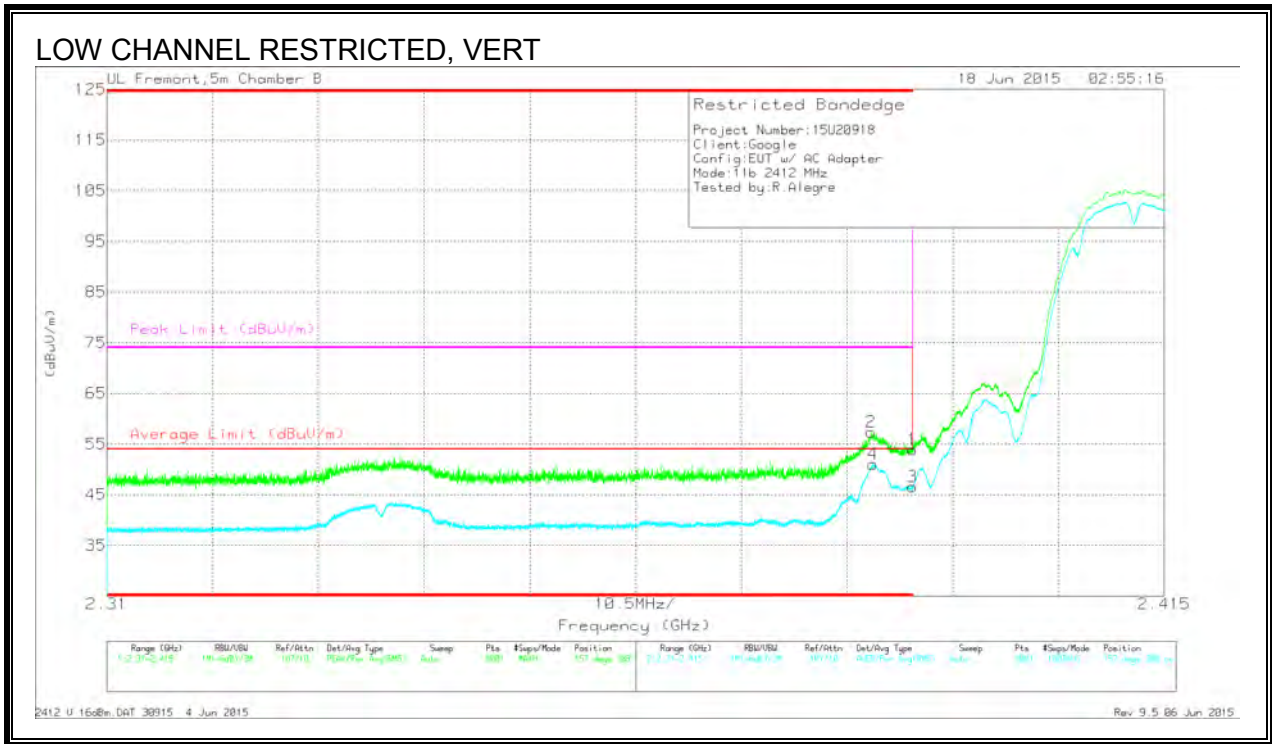
DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filt/Pad (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	42.09	Pk	32	-21.7	52.39	-	-	74	-21.61	303	281	H
2	* 2.386	46.07	Pk	32	-21.7	56.37	-	-	74	-17.63	303	281	H
3	* 2.39	33.35	RMS	32	-21.7	43.65	54	-10.35	-	-	303	281	H
4	* 2.386	39.43	RMS	32	-21.7	49.73	54	-4.27	-	-	303	281	H

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

Pk - Peak detector

RMS - RMS detection



DATA

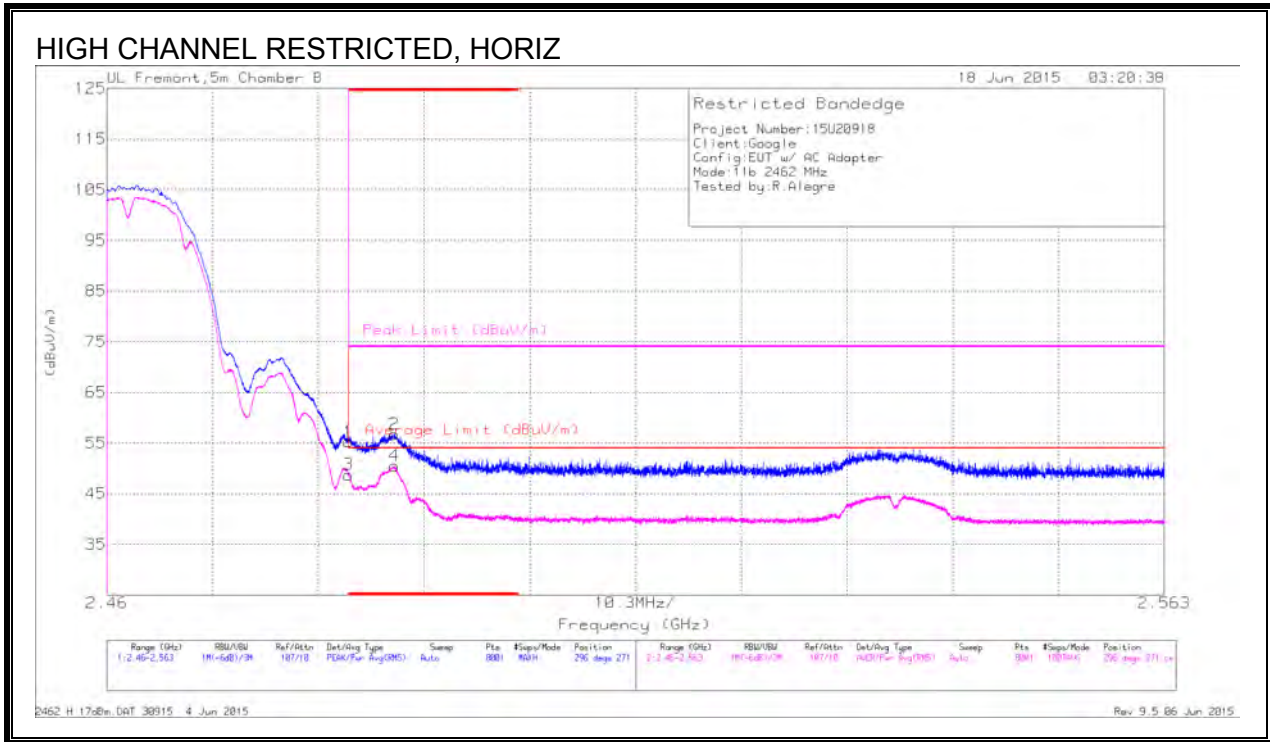
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	43.61	Pk	32	-21.7	53.91	-	-	74	-20.09	157	388	V
2	* 2.386	47.05	Pk	32	-21.7	57.35	-	-	74	-16.65	157	388	V
3	* 2.39	36.25	RMS	32	-21.7	46.55	54	-7.45	-	-	157	388	V
4	* 2.386	40.71	RMS	32	-21.7	51.01	54	-2.99	-	-	157	388	V

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

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)



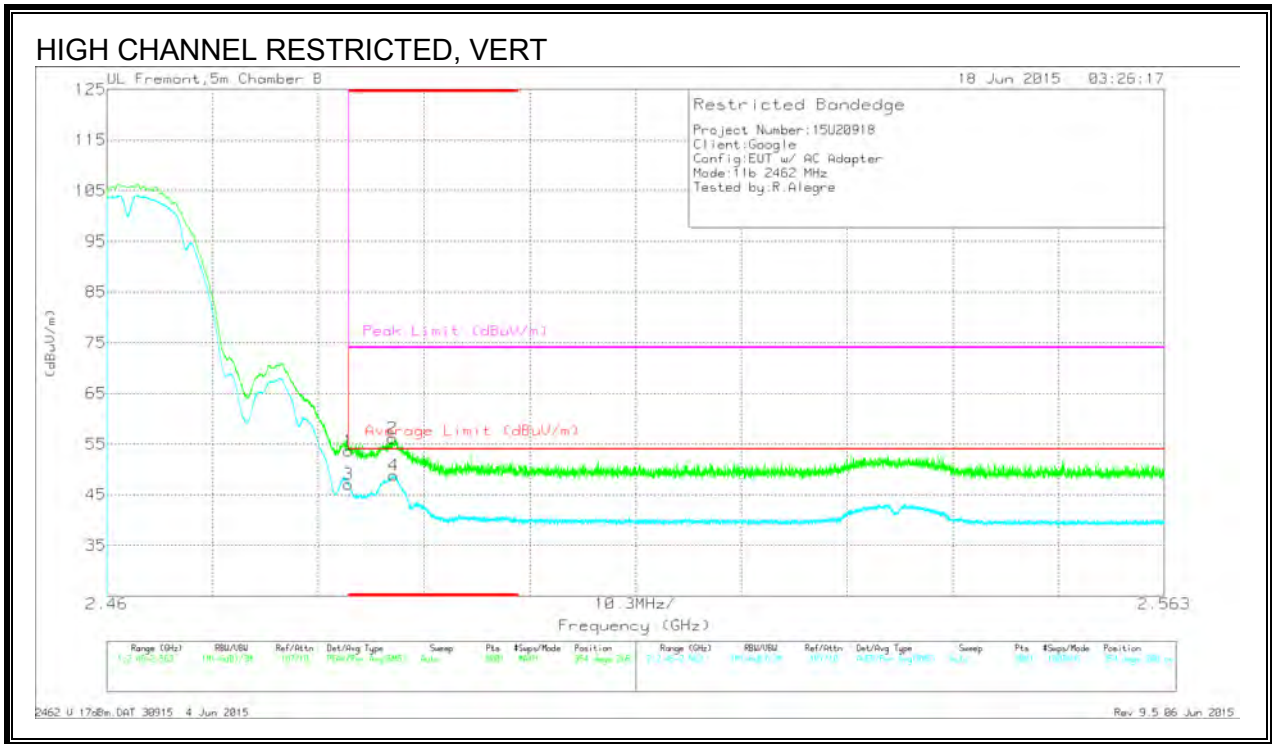
DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filt/Pad (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	44.26	Pk	32.5	-21.5	55.26	-	-	74	-18.74	296	271	H
2	* 2.488	45.7	Pk	32.5	-21.5	56.7	-	-	74	-17.3	296	271	H
3	* 2.484	37.74	RMS	32.5	-21.5	48.74	54	-5.26	-	-	296	271	H
4	* 2.488	39.48	RMS	32.5	-21.5	50.48	54	-3.52	-	-	296	271	H

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

Pk - Peak detector

RMS - RMS detection



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT345 (dB/m)	Amp/Cbl/Filtr/Pad (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	42.67	Pk	32.5	-21.5	53.67	-	-	74	-20.33	354	268	V
2	* 2.488	45.07	Pk	32.5	-21.5	56.07	-	-	74	-17.93	354	268	V
3	* 2.484	36.01	RMS	32.5	-21.5	47.01	54	-6.99	-	-	354	268	V
4	* 2.488	37.85	RMS	32.5	-21.5	48.85	54	-5.15	-	-	354	268	V

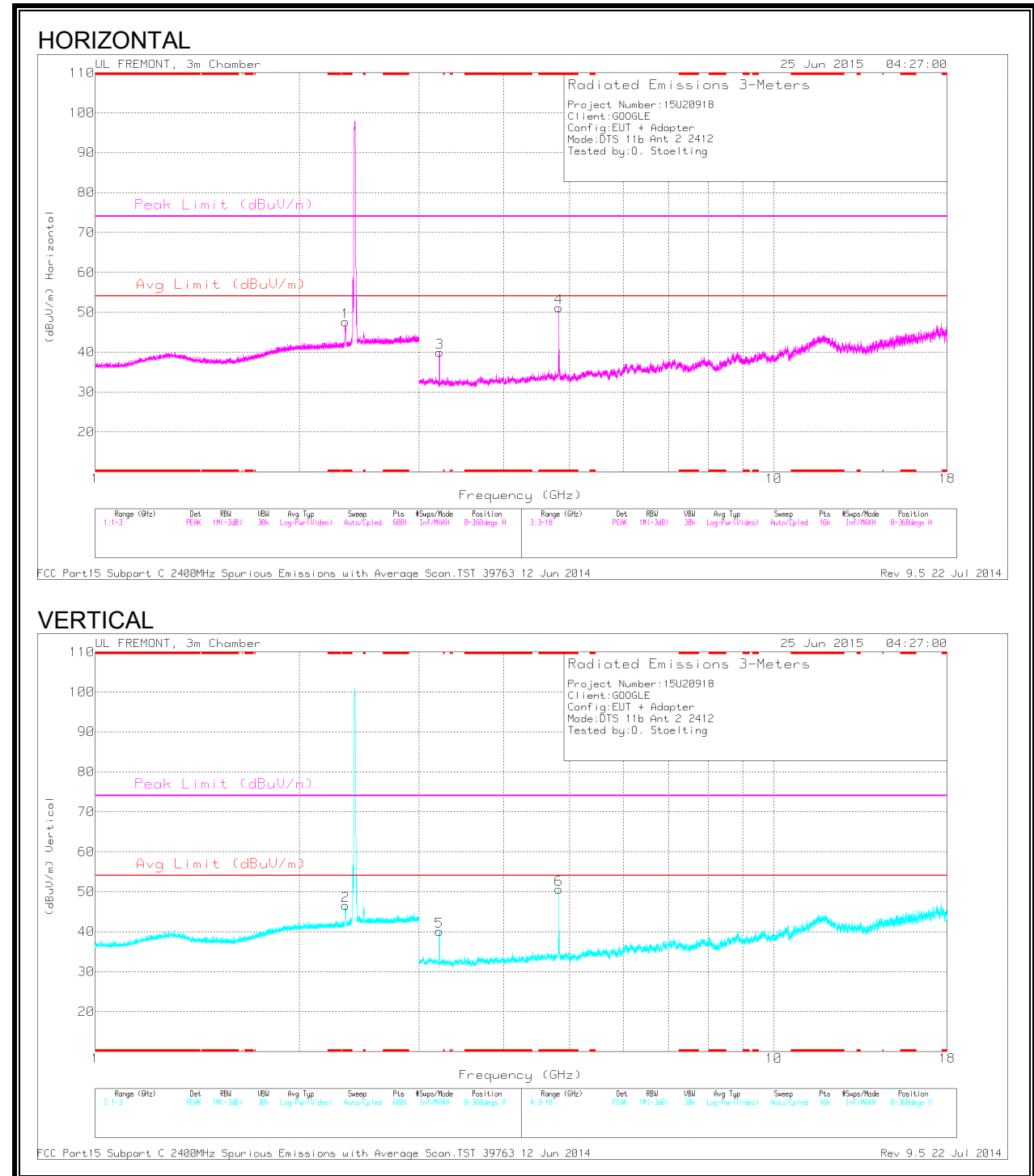
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL



DATA

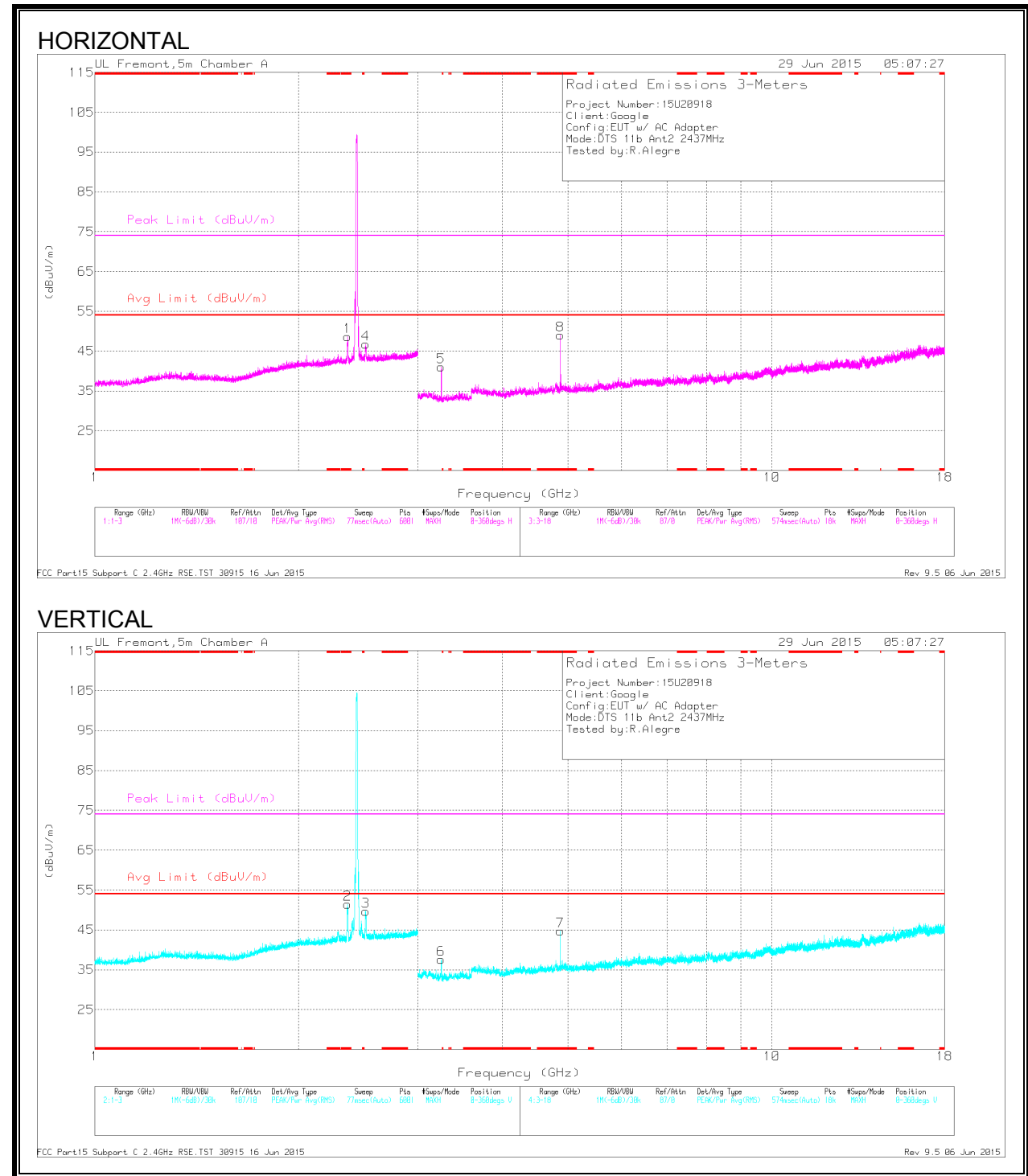
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.336	45.9	PK2	31.8	-22.5	0	55.2	-	-	74	-18.8	82	240	H
	* 2.338	36.7	MAv1	31.8	-22.4	0	46.1	54	-7.9	-	-	82	240	H
2	* 2.339	46.73	PK2	31.8	-22.4	0	56.13	-	-	74	-17.87	315	268	V
	* 2.338	38.5	MAv1	31.8	-22.4	0	47.9	54	-6.1	-	-	315	268	V
4	* 4.824	50.31	PK2	34	-29.4	0	54.91	-	-	74	-19.09	195	197	H
	* 4.824	47.53	MAv1	34	-29.4	0	52.13	54	-1.87	-	-	195	197	H
6	* 4.824	49.67	PK2	34	-29.4	0	54.27	-	-	74	-19.73	134	198	V
	* 4.824	46.62	MAv1	34	-29.4	0	51.22	54	-2.78	-	-	134	198	V
5	3.216	38.25	PK	32.6	-30.8	0	40.05	-	-	-	-	0-360	100	V
3	3.217	38.17	PK	32.6	-30.8	0	39.97	-	-	-	-	0-360	100	H

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL



DATA

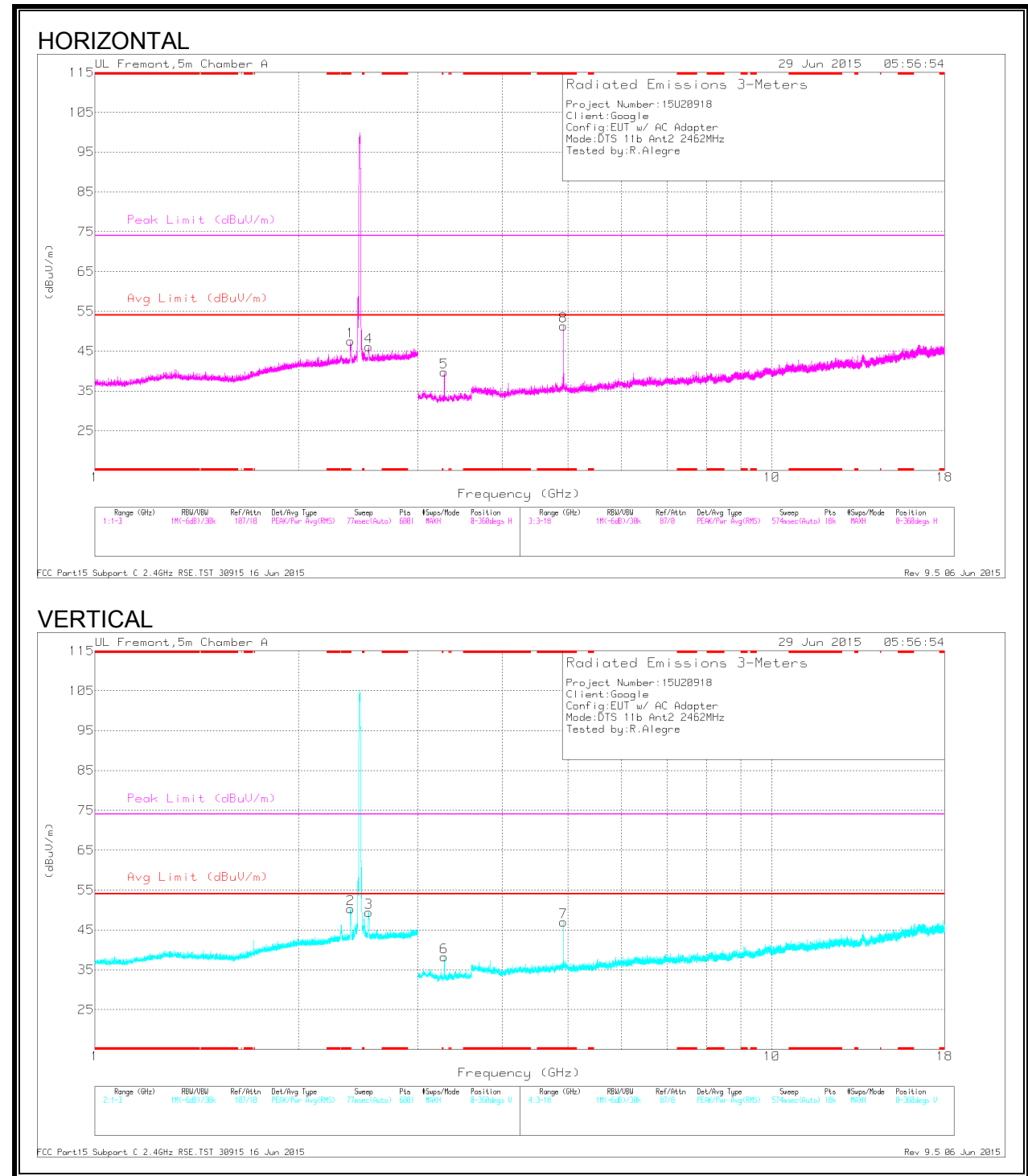
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.361	44.95	PK2	31.9	-25	51.85	-	-	74	-22.15	180	227	H
	* 2.363	39.71	MAv1	31.9	-24.9	46.71	54	-7.29	-	-	180	227	H
2	* 2.361	48.66	PK2	31.9	-25	55.56	-	-	74	-18.44	195	205	V
	* 2.361	44.02	MAv1	31.9	-24.9	51.02	54	-2.98	-	-	195	205	V
8	* 4.874	46.86	PK2	33.9	-30.1	50.66	-	-	74	-23.34	332	181	H
	* 4.874	44.82	MAv1	33.9	-30.1	48.62	54	-5.38	-	-	332	181	H
7	* 4.874	43.69	PK2	33.9	-30.1	47.49	-	-	74	-26.51	205	108	V
	* 4.874	40.87	MAv1	33.9	-30.1	44.67	54	-9.33	-	-	205	108	V
4	2.513	39.46	PK2	32.1	-24.7	46.86	-	-	-	-	155	180	H
3	2.513	44.29	PK2	32.1	-24.7	51.69	-	-	-	-	178	193	V
5	3.249	40.36	PK2	32.8	-33.5	39.66	-	-	-	-	180	179	H
6	3.249	39.6	PK2	32.8	-33.5	38.9	-	-	-	-	205	190	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL



DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.386	46.13	PK2	32	-24.9	53.23	-	-	74	-20.77	174	233	H
* 2.386	41.03	MAV1	32	-24.9	48.13	54	-5.87	-	-	174	233	H
* 2.389	47.36	PK2	32	-24.9	54.46	-	-	74	-19.54	190	107	V
* 2.388	42.48	MAV1	32	-24.9	49.58	54	-4.42	-	-	190	107	V
* 4.924	48.33	PK2	33.9	-29.6	52.63	-	-	74	-21.37	330	182	H
* 4.924	46.64	MAV1	33.9	-29.6	50.94	54	-3.06	-	-	330	182	H
* 4.924	44.12	PK2	33.9	-29.6	48.42	-	-	74	-25.58	53	109	V
* 4.924	41.5	MAV1	33.9	-29.6	45.8	54	-8.2	-	-	53	109	V
2.538	41.29	PK2	32.1	-24.7	48.69	-	-	-	-	125	156	V
2.54	37.04	PK2	32.2	-24.7	44.54	-	-	-	-	130	180	H
3.283	35.2	PK2	32.8	-33.2	34.8	-	-	-	-	125	173	H
3.283	35.18	PK2	32.8	-33.2	34.78	-	-	-	-	53	201	V

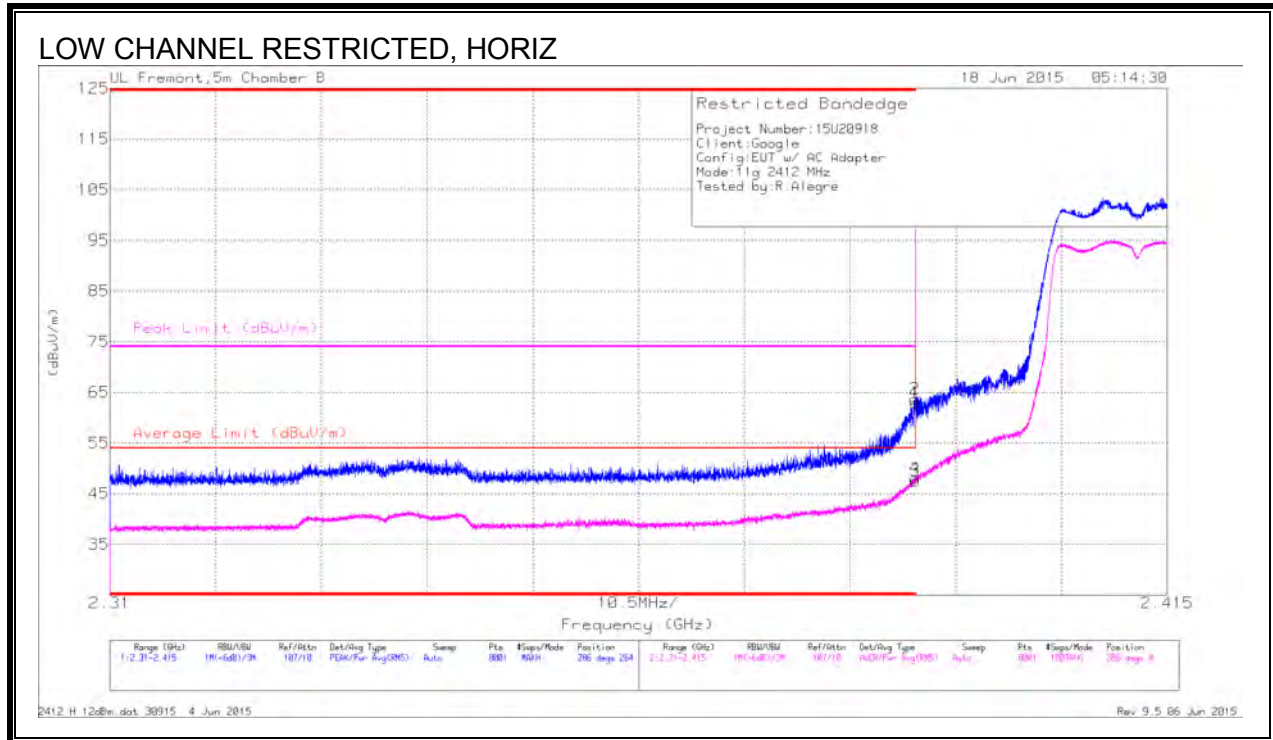
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

9.2.3. TX ABOVE 1 GHz 802.11g IN THE 2.4 GHz BAND ANTENNA 1

RESTRICTED BANDEDGE (LOW CHANNEL)



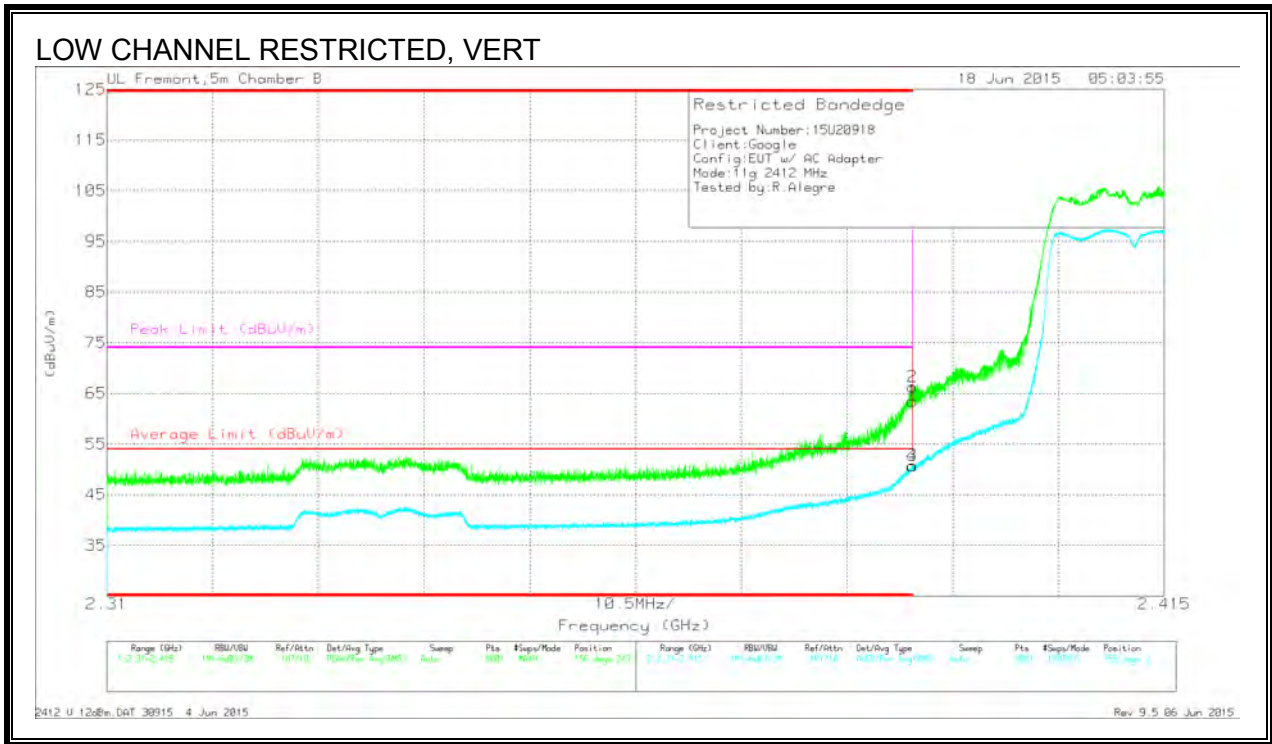
DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filt/Pad (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	52.69	Pk	32	-21.7	62.99	-	-	74	-11.01	286	264	H
2	* 2.39	53.4	Pk	32	-21.7	63.7	-	-	74	-10.3	286	264	H
3	* 2.39	37.32	RMS	32	-21.7	47.62	54	-6.38	-	-	286	264	H
4	* 2.39	37.79	RMS	32	-21.7	48.09	54	-5.91	-	-	286	264	H

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

Pk - Peak detector

RMS - RMS detection



DATA

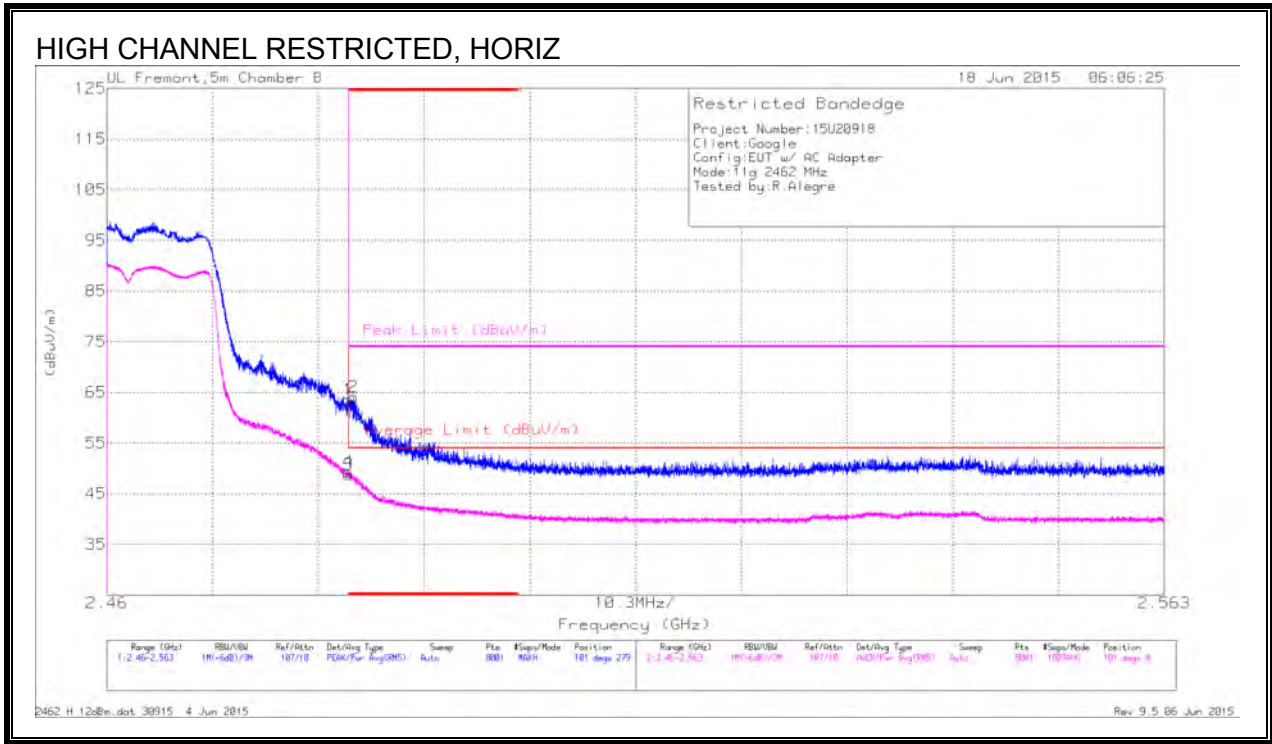
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filt/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	53.21	Pk	32	-21.7	63.51	-	-	74	-10.49	156	243	V
2	* 2.39	55.96	Pk	32	-21.7	66.26	-	-	74	-7.74	156	243	V
3	* 2.39	40.43	RMS	32	-21.7	50.73	54	-3.27	-	-	156	243	V
4	* 2.39	40.41	RMS	32	-21.7	50.71	54	-3.29	-	-	156	243	V

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

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)



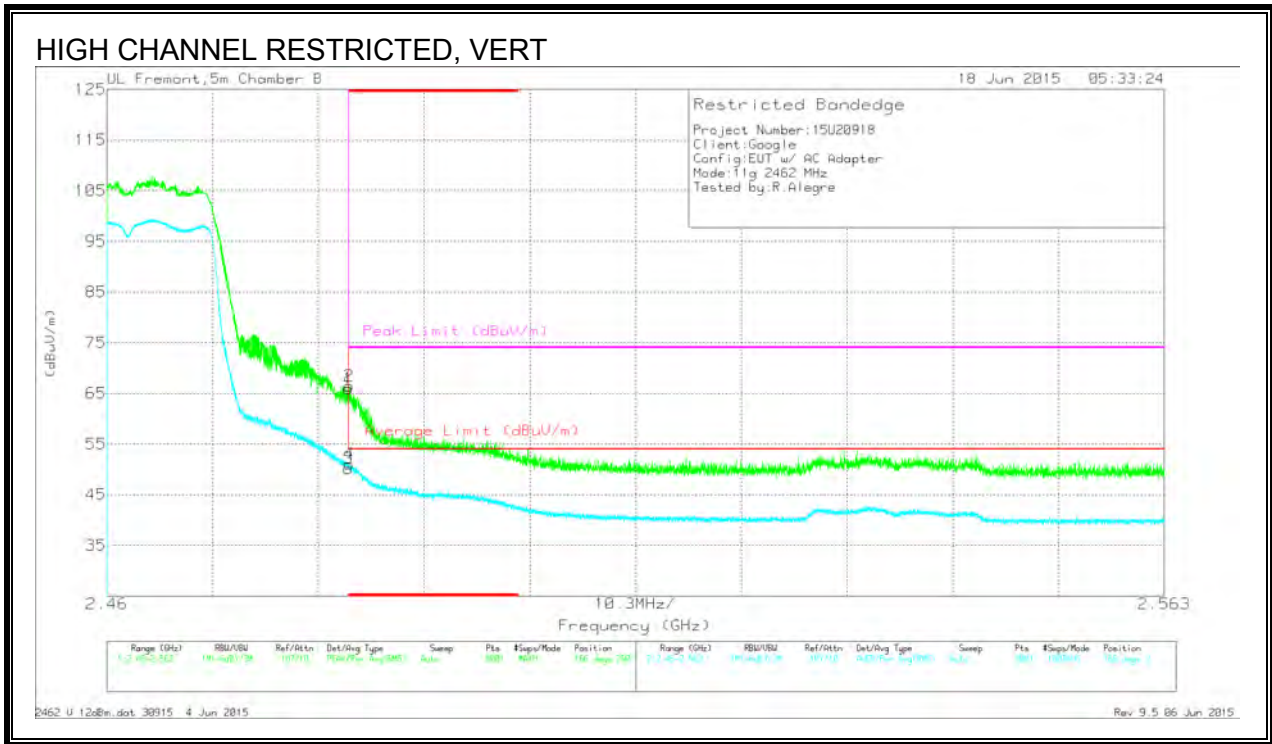
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Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	52.56	Pk	32.5	-21.5	63.56	-	-	74	-10.44	101	279	H
2	* 2.484	53.12	Pk	32.5	-21.5	64.12	-	-	74	-9.88	101	279	H
3	* 2.484	37.78	RMS	32.5	-21.5	48.78	54	-5.22	-	-	101	279	H
4	* 2.484	38.27	RMS	32.5	-21.5	49.27	54	-4.73	-	-	101	279	H

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

Pk - Peak detector

RMS - RMS detection



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filt/Pad (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	54.95	Pk	32.5	-21.5	65.95	-	-	74	-8.05	166	290	V
2	* 2.484	55.42	Pk	32.5	-21.5	66.42	-	-	74	-7.58	166	290	V
3	* 2.484	39.18	RMS	32.5	-21.5	50.18	54	-3.82	-	-	166	290	V
4	* 2.484	40.07	RMS	32.5	-21.5	51.07	54	-2.93	-	-	166	290	V

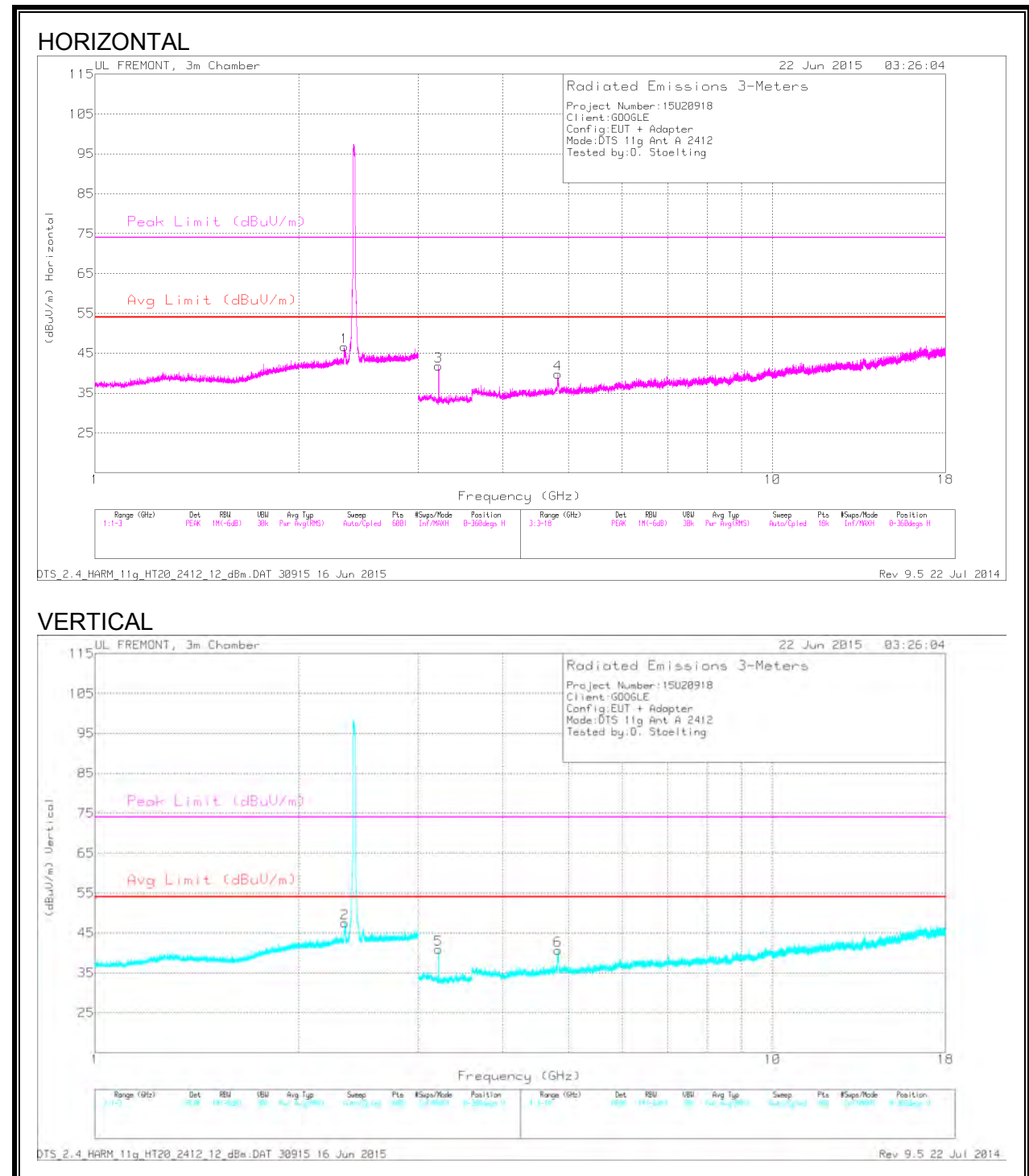
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL



DATA

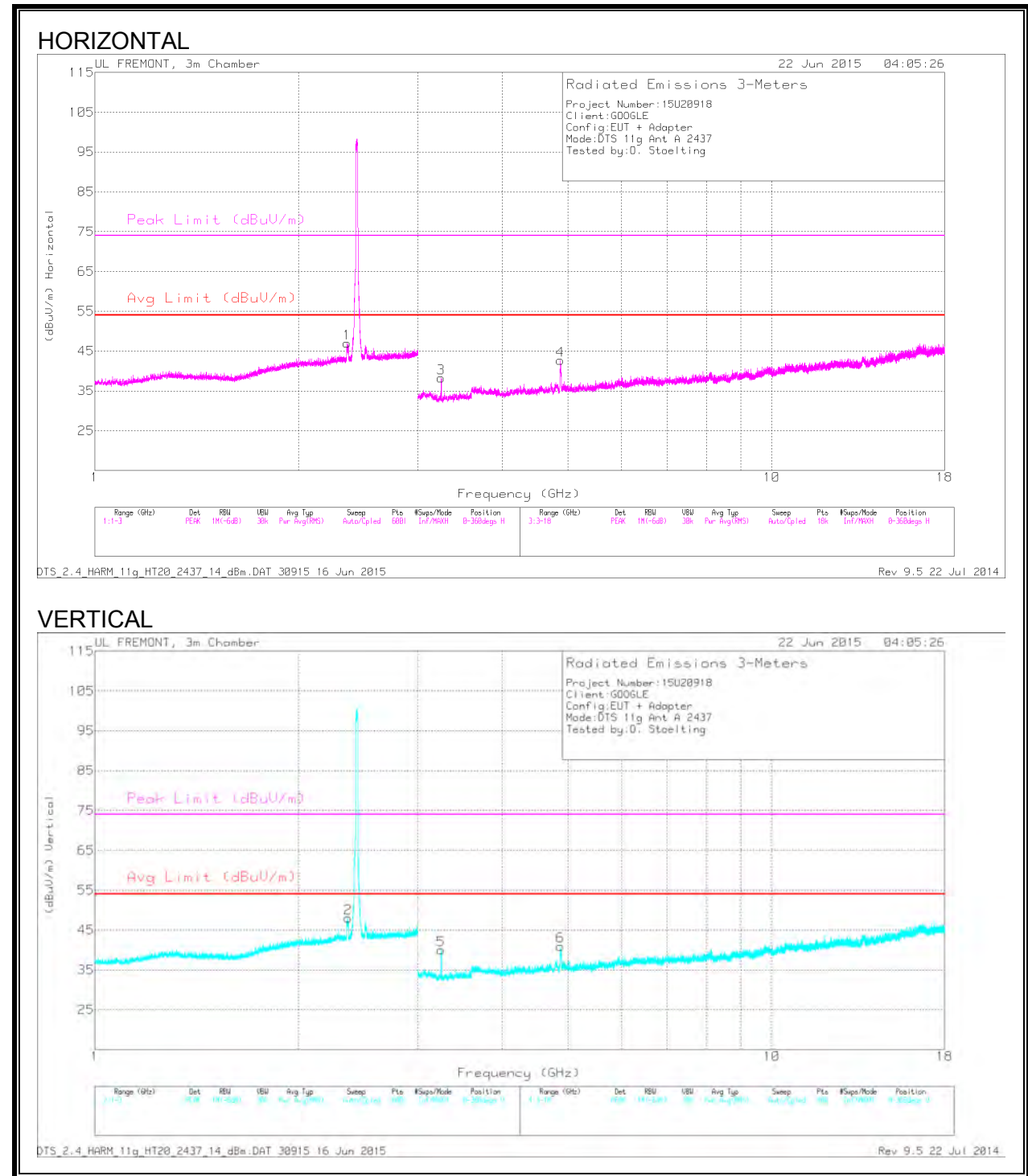
Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	DC Corr (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.333	43.92	PK2	31.9	-25	0	50.82	-	-	74	-23.18	77	232	H
* 2.335	32.42	MAV1	31.9	-25	0	39.32	54	-14.68	-	-	77	232	H
* 2.338	50.1	PK2	31.9	-25	0	57	-	-	74	-17	273	261	V
* 2.34	39.37	MAV1	31.9	-25	0	46.27	54	-7.73	-	-	273	261	V
* 4.823	46.35	PK2	33.9	-30.8	0	49.45	-	-	74	-24.55	165	163	H
* 4.824	31.36	MAV1	33.9	-30.8	0	34.46	54	-19.54	-	-	165	163	H
* 4.824	50.1	PK2	33.9	-30.8	0	53.2	-	-	74	-20.8	114	144	V
* 4.824	35.66	MAV1	33.9	-30.8	0	38.76	54	-15.24	-	-	114	144	V
3.216	45.02	PK2	32.7	-33.4	0	44.32	-	-	-	-	44	124	H
3.216	39.42	MAV1	32.7	-33.4	0	38.72	54	-15.28	-	-	44	124	H
3.216	43.66	PK2	32.7	-33.4	0	42.96	-	-	-	-	249	233	V
3.216	36.48	MAV1	32.7	-33.4	0	35.78	54	-18.22	-	-	249	233	V

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

PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL



DATA

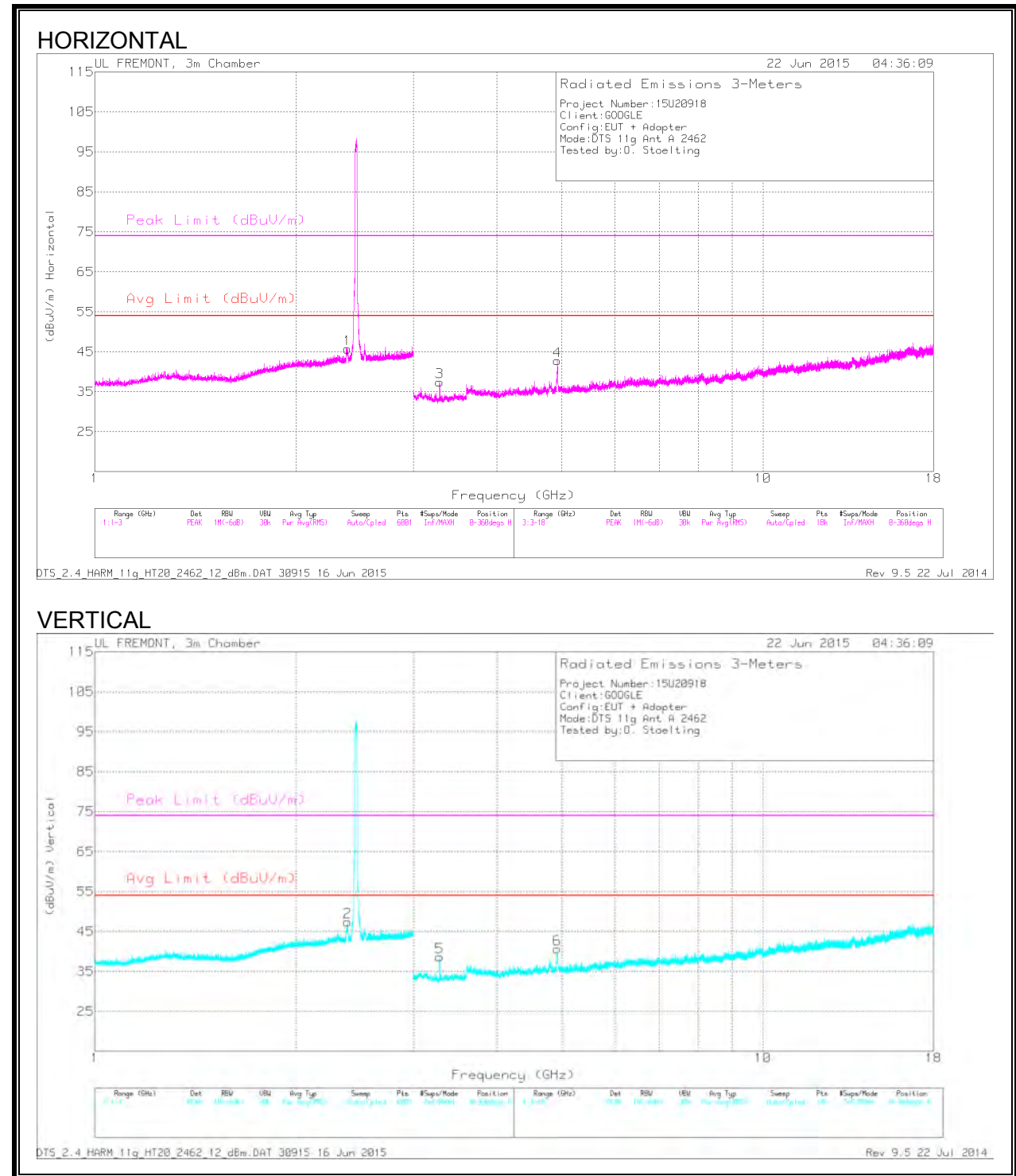
Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	DC Corr (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.359	46.57	PK2	31.9	-25	0	53.47	-	-	74	-20.53	195	399	H
* 2.36	35.09	MAV1	31.9	-25	0	41.99	54	-12.01	-	-	195	399	H
* 2.364	49.46	PK2	31.9	-24.9	0	56.46	-	-	74	-17.54	264	322	V
* 2.365	39.12	MAV1	31.9	-24.9	0	46.12	54	-7.88	-	-	264	322	V
* 4.874	49	PK2	33.9	-30.1	0	52.8	-	-	74	-21.2	80	204	H
* 4.874	35.02	MAV1	33.9	-30.1	0	38.82	54	-15.18	-	-	80	204	H
* 4.873	47.71	PK2	33.9	-30.1	0	51.51	-	-	74	-22.49	11	125	V
* 4.873	33.5	MAV1	33.9	-30.1	0	37.3	54	-16.7	-	-	11	125	V
3.249	45.08	PK2	32.8	-33.5	0	44.38	-	-	-	-	46	225	H
3.249	39.36	MAV1	32.8	-33.5	0	38.66	54	-15.34	-	-	46	225	H
3.249	43.92	PK2	32.8	-33.5	0	43.22	-	-	-	-	174	272	V
3.249	36.93	MAV1	32.8	-33.5	0	36.23	54	-17.77	-	-	174	272	V

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

PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL



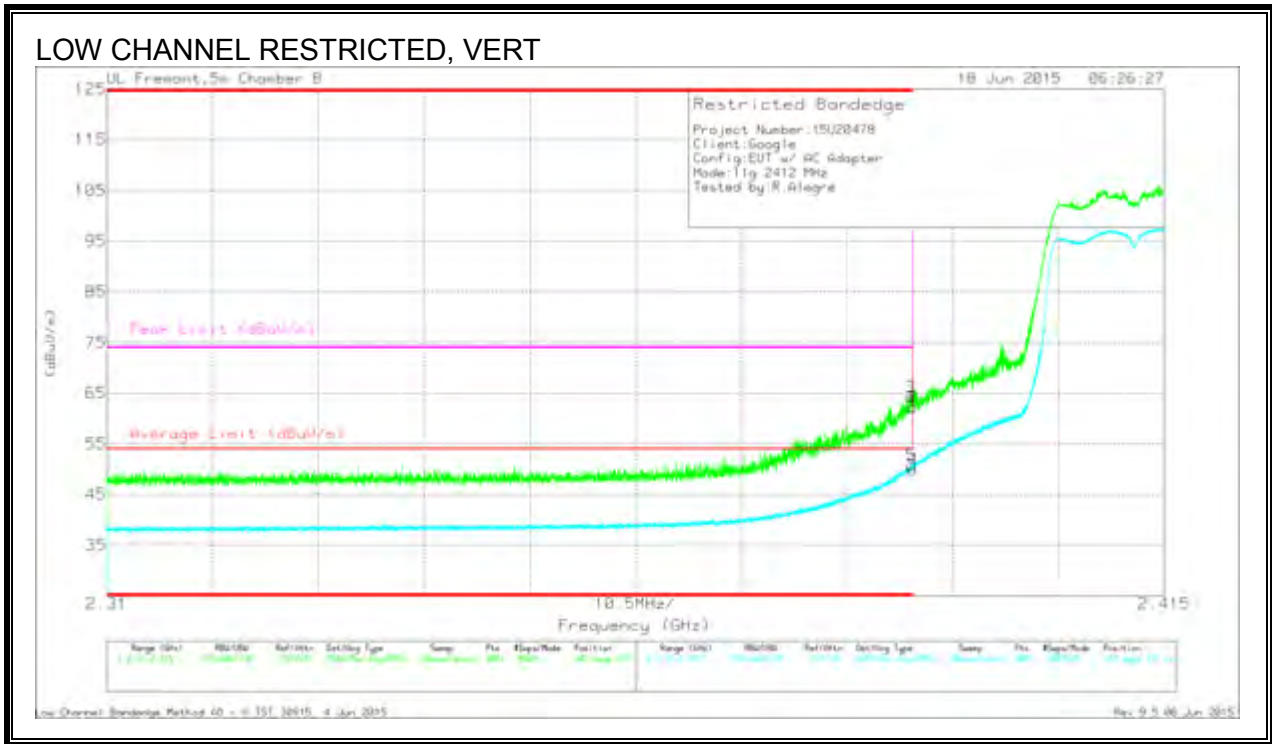
DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/Pad (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
* 2.39	45.63	PK2	32	-24.9	0	52.73	-	-	74	-21.27	254	117	H
* 2.39	33.98	MAV1	32	-24.9	0	41.08	54	-12.92	-	-	254	117	H
* 2.389	50.7	PK2	32	-24.9	0	57.8	-	-	74	-16.2	320	259	V
* 2.39	39.2	MAV1	32	-24.9	0	46.3	54	-7.7	-	-	320	259	V
* 4.924	51.06	PK2	33.9	-29.6	0	55.36	-	-	74	-18.64	75	183	H
* 4.924	35.93	MAV1	33.9	-29.6	0	40.23	54	-13.77	-	-	75	183	H
* 4.924	50.9	PK2	33.9	-29.6	0	55.2	-	-	74	-18.8	75	183	H
* 4.924	35.89	MAV1	33.9	-29.6	0	40.19	54	-13.81	-	-	75	183	H
3.282	37.87	Pk2	32.8	-33.2	0	37.47	-	-	-	-	182	147	H
3.282	39.08	Pk2	32.8	-33.2	0	38.68	-	-	-	-	155	205	V

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

PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average



DATA

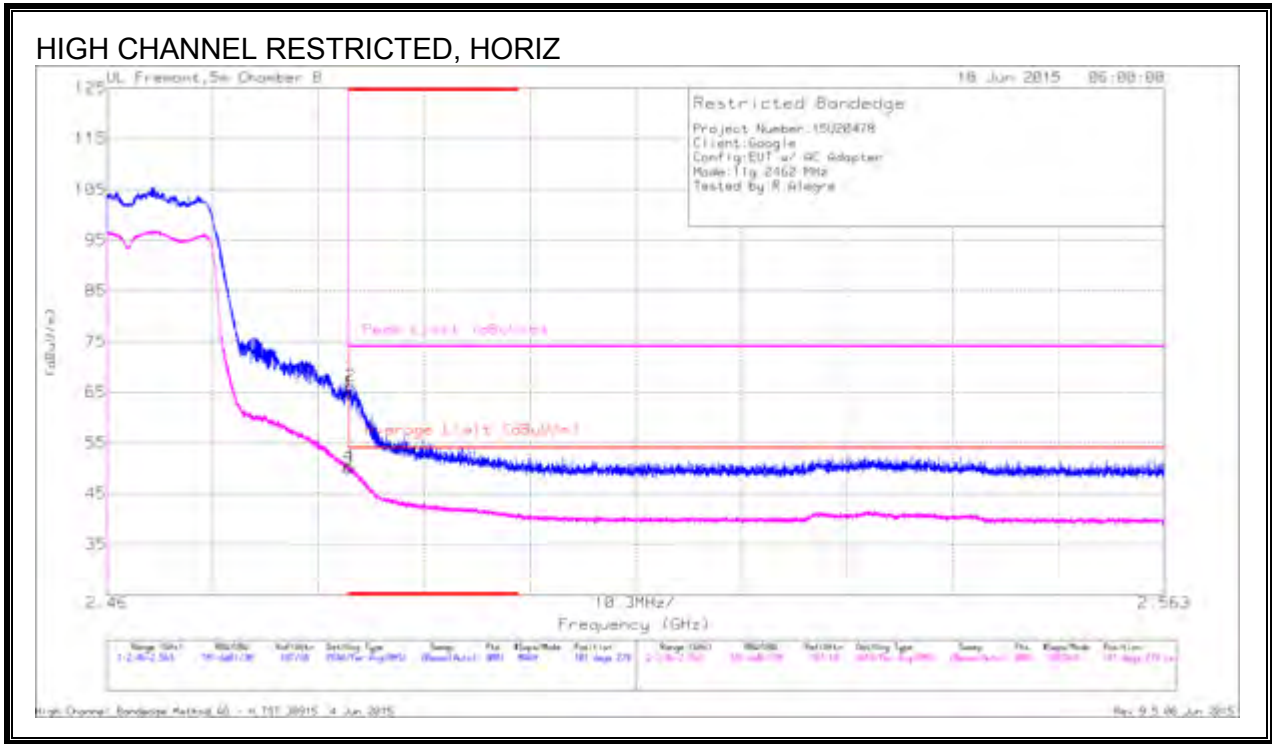
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	51.88	Pk	32	-21.7	62.18	-	-	74	-11.82	342	337	V
2	* 2.39	51.88	Pk	32	-21.7	62.18	-	-	74	-11.82	342	337	V
3	* 2.39	53.85	Pk	32	-21.7	64.15	-	-	74	-9.85	342	337	V
4	* 2.39	39.62	RMS	32	-21.7	49.92	54	-4.08	-	-	342	337	V
5	* 2.39	40.43	RMS	32	-21.7	50.73	54	-3.27	-	-	342	337	V

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

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)



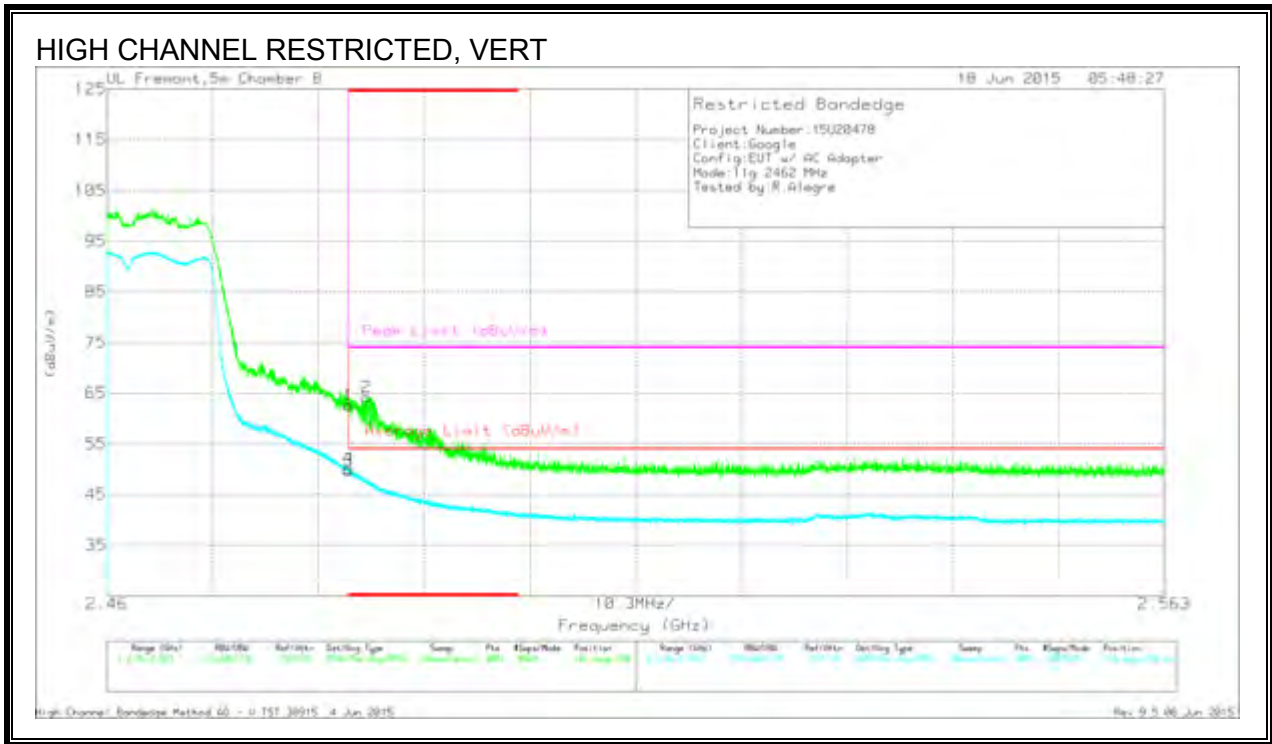
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Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filt/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	53.93	Pk	32.5	-21.5	64.93	-	-	74	-9.07	101	279	H
2	* 2.484	55.23	Pk	32.5	-21.5	66.23	-	-	74	-7.77	101	279	H
3	* 2.484	38.91	RMS	32.5	-21.5	49.91	54	-4.09	-	-	101	279	H
4	* 2.484	39.38	RMS	32.5	-21.5	50.38	54	-3.62	-	-	101	279	H

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

Pk - Peak detector

RMS - RMS detection



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Ftr/Pad (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	51.56	Pk	32.5	-21.5	62.56	-	-	74	-11.44	166	290	V
2	* 2.485	53.22	Pk	32.5	-21.5	64.22	-	-	74	-9.78	166	290	V
3	* 2.484	38.81	RMS	32.5	-21.5	49.81	54	-4.19	-	-	166	290	V
4	* 2.484	39.11	RMS	32.5	-21.5	50.11	54	-3.89	-	-	166	290	V

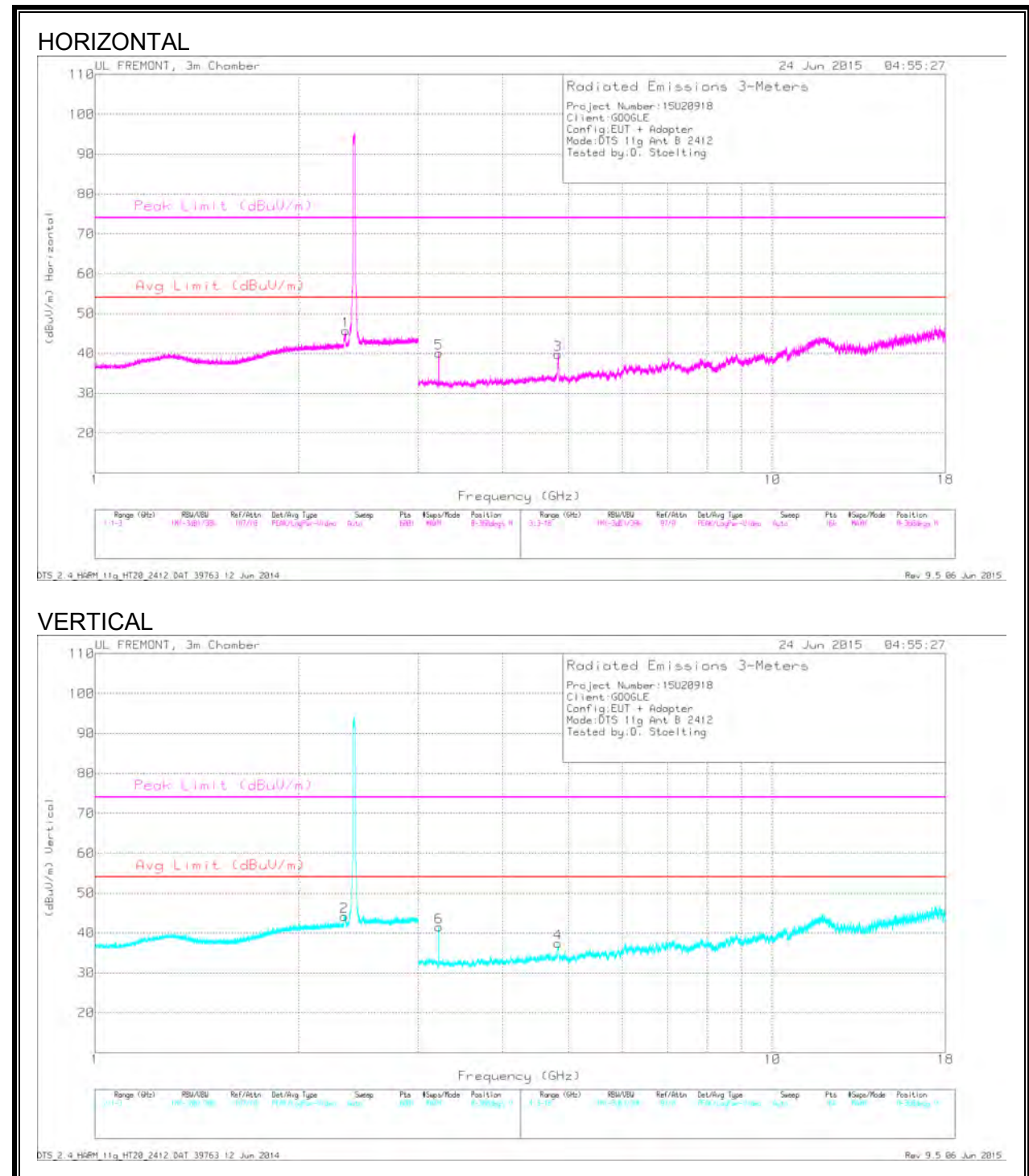
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL

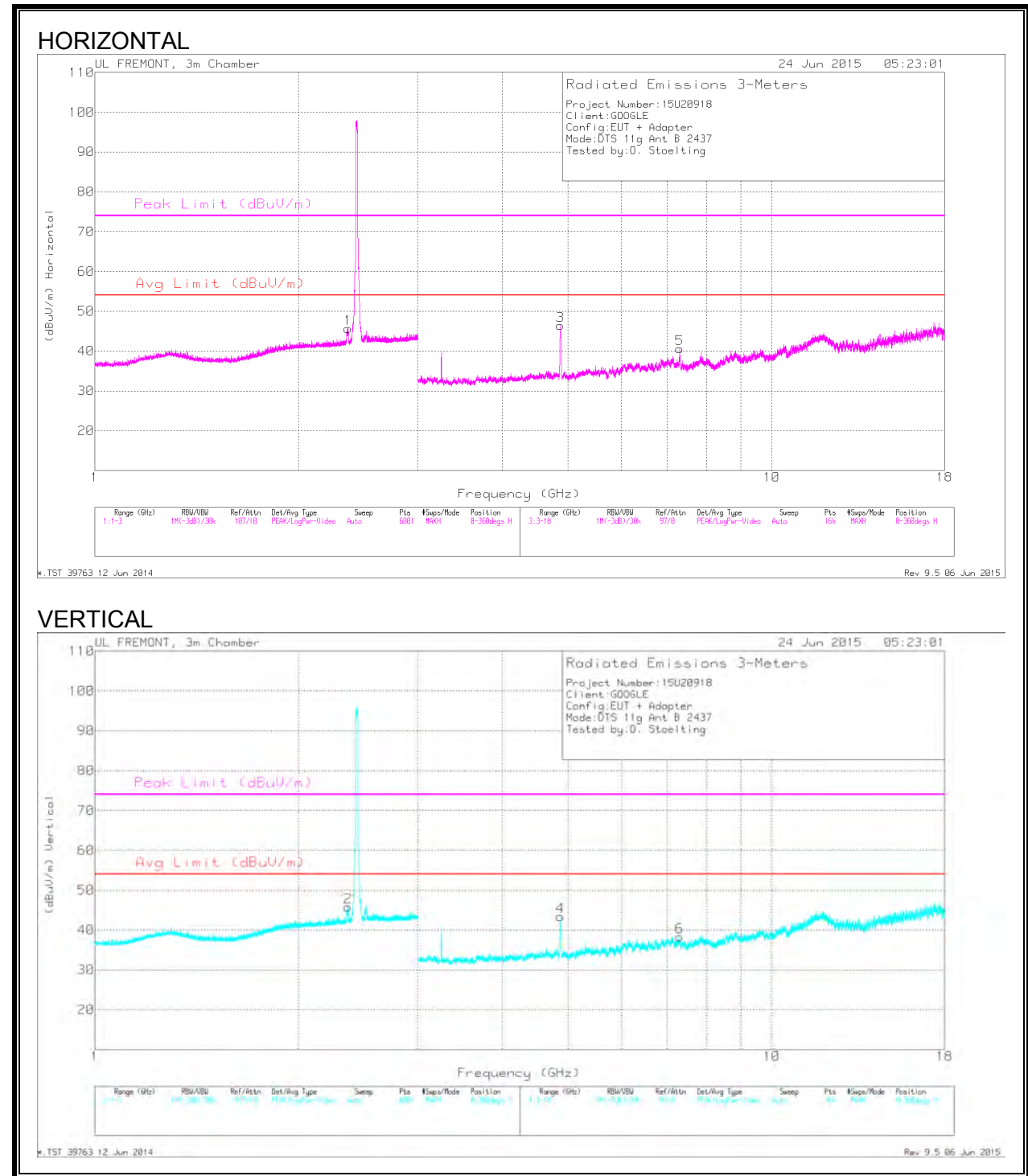


DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fitr /Pad (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
2.335	34.86	PK2	31.8	-22.5	0	44.16	54	-9.84	-	-	112	217	V
2.345	36.27	PK2	31.8	-22.4	0	45.67	54	-8.33	-	-	174	177	H
3.217	38.32	PK2	32.6	-30.8	0	40.12	54	-13.88	-	-	165	133	H
3.217	39.64	PK2	32.6	-30.8	0	41.44	54	-12.56	-	-	155	207	V
4.821	32.8	PK2	34	-29.4	0	37.4	54	-16.6	-	-	204	247	V
4.824	35.14	PK2	34	-29.4	0	39.74	54	-14.26	-	-	166	189	H

PK2 - KDB558074 Method: Maximum Peak

MID CHANNEL



DATA

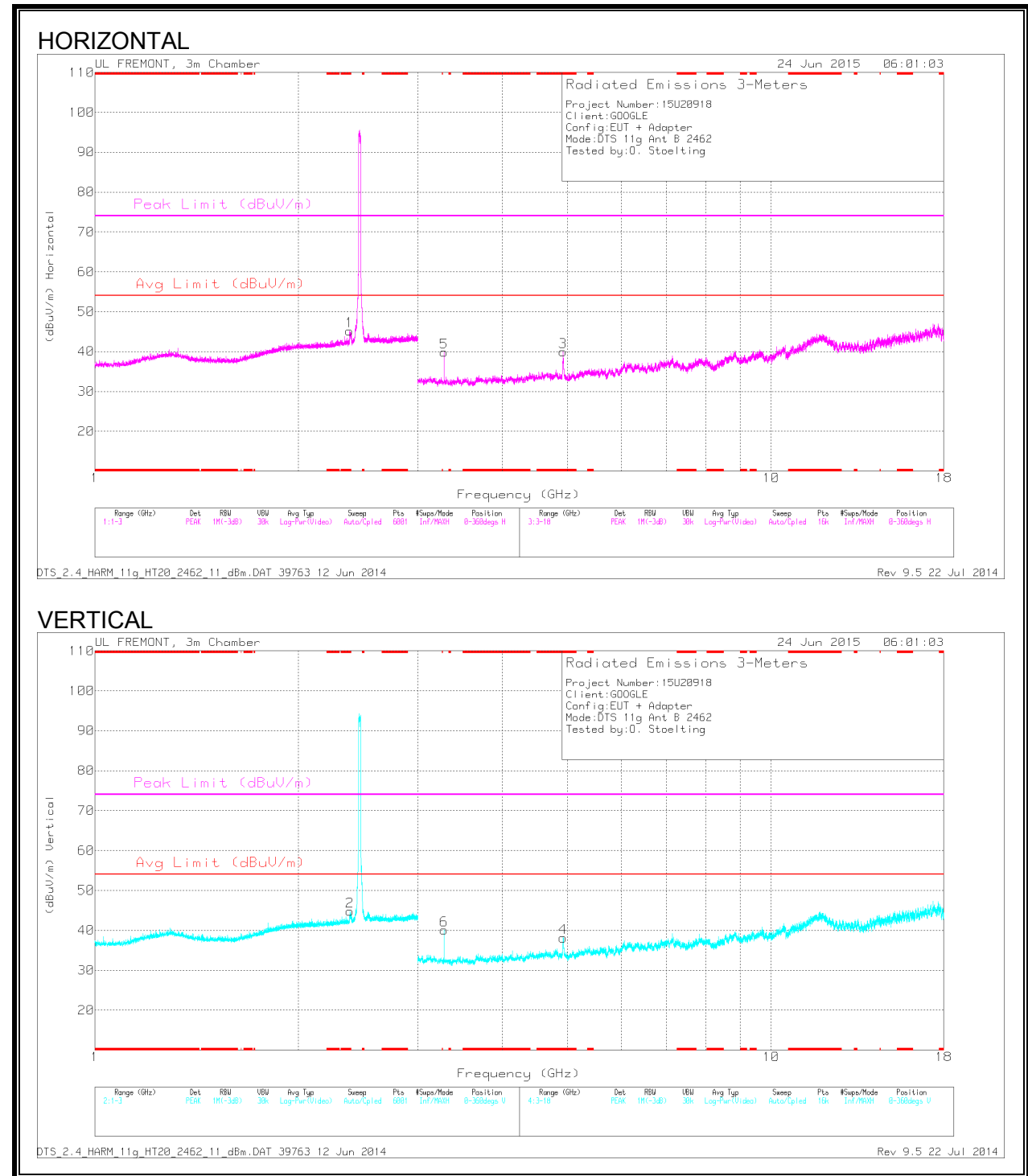
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/ Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.365	47.8	PK2	31.9	-22.5	0	57.2	-	-	74	-16.8	260	356	H
* 2.365	36.17	MAV1	31.9	-22.5	0	45.57	54	-8.43	-	-	260	356	H
* 2.365	47.71	PK2	31.9	-22.5	0	57.11	-	-	74	-16.89	164	316	V
* 2.365	36.87	MAV1	31.9	-22.5	0	46.27	54	-7.73	-	-	164	316	V
* 4.871	58.58	PK2	34	-29.1	0	63.48	-	-	74	-10.52	229	297	H
* 4.873	40.91	MAV1	34	-29.1	0	45.81	54	-8.19	-	-	229	297	H
* 7.31	38.49	PK2	35.6	-27.5	0	46.59	-	-	74	-27.41	249	115	H
* 7.313	26.56	MAV1	35.6	-27.3	0	34.86	54	-19.14	-	-	249	115	H
* 4.871	51.75	PK2	34	-29.1	0	56.65	-	-	74	-17.35	338	223	V
* 4.873	36.19	MAV1	34	-29.1	0	41.09	54	-12.91	-	-	338	223	V
* 7.311	40.36	PK2	35.6	-27.4	0	48.56	-	-	74	-25.44	280	360	V
* 7.312	27	MAV1	35.6	-27.4	0	35.2	54	-18.8	-	-	280	360	V

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

PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL



DATA

Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl /Fitr/Pad (dB)	DC Corr (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.38	43.72	PK2	31.9	-22.4	0	53.22	-	-	74	-20.78	3	269	H
* 2.38	32.83	MAv1	31.9	-22.4	0	42.33	54	-11.67	-	-	3	269	H
* 2.385	46.36	PK2	32	-22.4	0	55.96	-	-	74	-18.04	265	173	V
* 2.385	35.4	MAv1	32	-22.4	0	45	54	-9	-	-	265	173	V
* 4.924	45.94	PK2	34	-29.6	0	50.34	-	-	74	-23.66	166	201	H
* 4.924	32.44	MAv1	34	-29.6	0	36.84	54	-17.16	-	-	166	201	H
* 4.924	46.24	PK2	34	-29.6	0	50.64	-	-	74	-23.36	311	178	V
* 4.924	32.49	MAv1	34	-29.6	0	36.89	54	-17.11	-	-	311	178	V
3.283	43.73	PK2	32.6	-30.9	0	45.43	-	-	74	-28.57	179	118	H
3.283	36.44	MAv1	32.6	-30.9	0	38.14	54	-15.86	-	-	179	118	H
3.283	43.41	PK2	32.6	-30.9	0	45.11	-	-	74	-28.89	232	116	V
3.283	36.46	MAv1	32.6	-30.9	0	38.16	54	-15.84	-	-	232	116	V

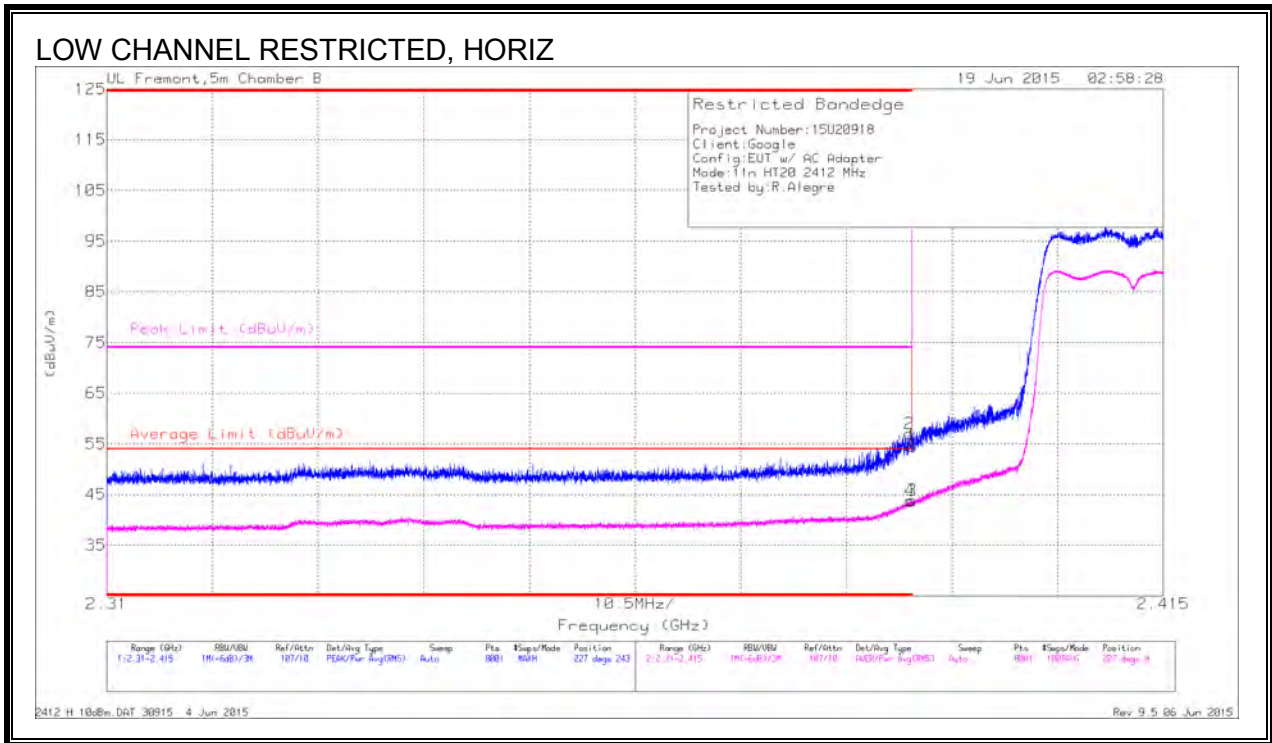
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

9.2.5. TX ABOVE 1 GHz 802.11n HT20 IN THE 2.4 GHz BAND ANTENNA 1

RESTRICTED BANDEDGE (LOW CHANNEL)



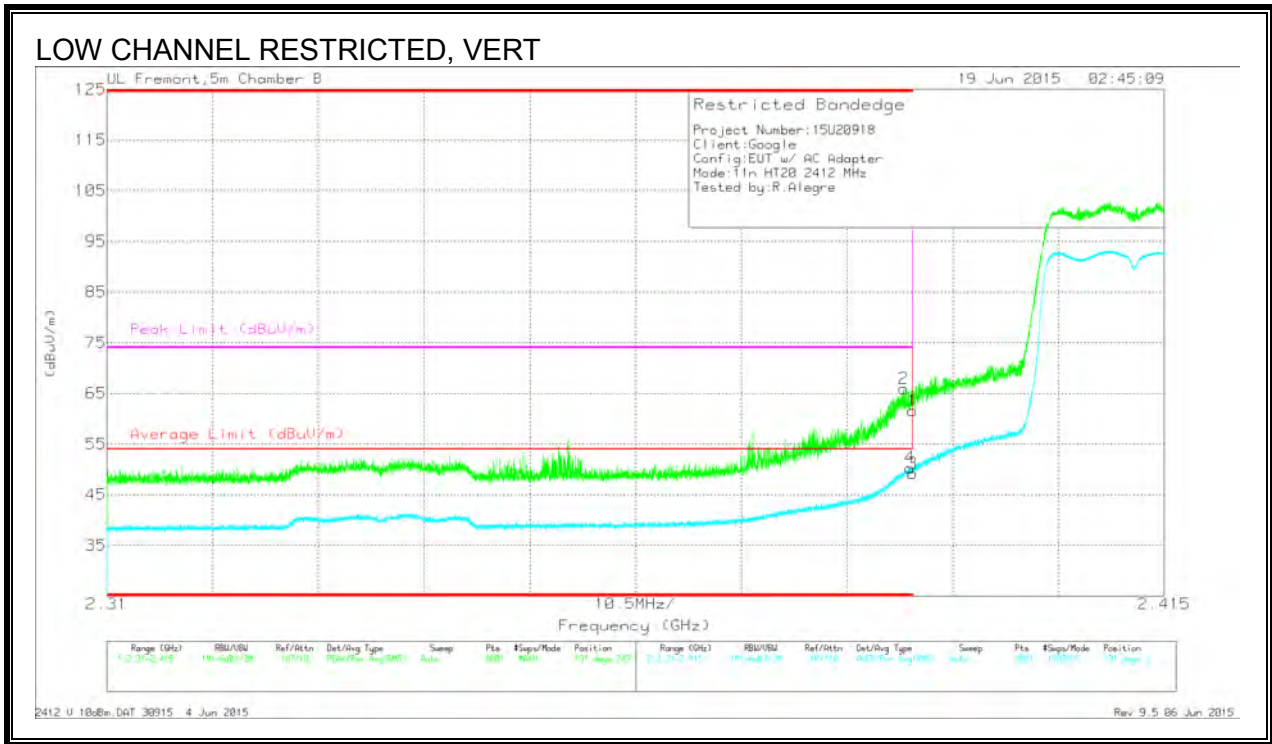
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Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filt/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	44.27	Pk	32	-21.7	54.57	-	-	74	-19.43	227	243	H
2	* 2.39	46.72	Pk	32	-21.7	57.02	-	-	74	-16.98	227	243	H
3	* 2.39	33.5	RMS	32	-21.7	43.8	54	-10.20	-	-	227	243	H
4	* 2.39	33.47	RMS	32	-21.7	43.77	54	-10.23	-	-	227	243	H

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

Pk - Peak detector

RMS - RMS detection



DATA

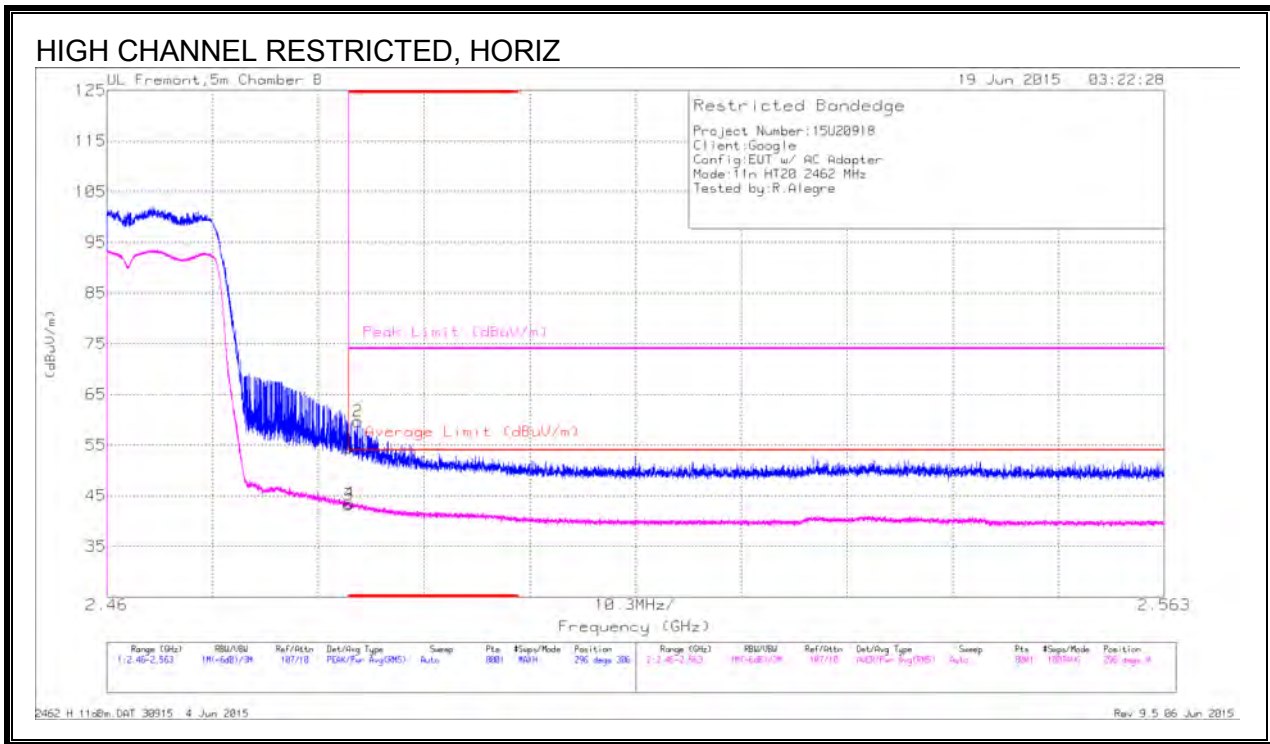
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.389	55.68	Pk	32	-21.7	65.98	-	-	74	-8.02	191	249	V
1	* 2.39	51.28	Pk	32	-21.7	61.58	-	-	74	-12.42	191	249	V
3	* 2.39	38.82	RMS	32	-21.7	49.12	54	-4.88	-	-	191	249	V
4	* 2.39	40.05	RMS	32	-21.7	50.35	54	-3.65	-	-	191	249	V

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

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)



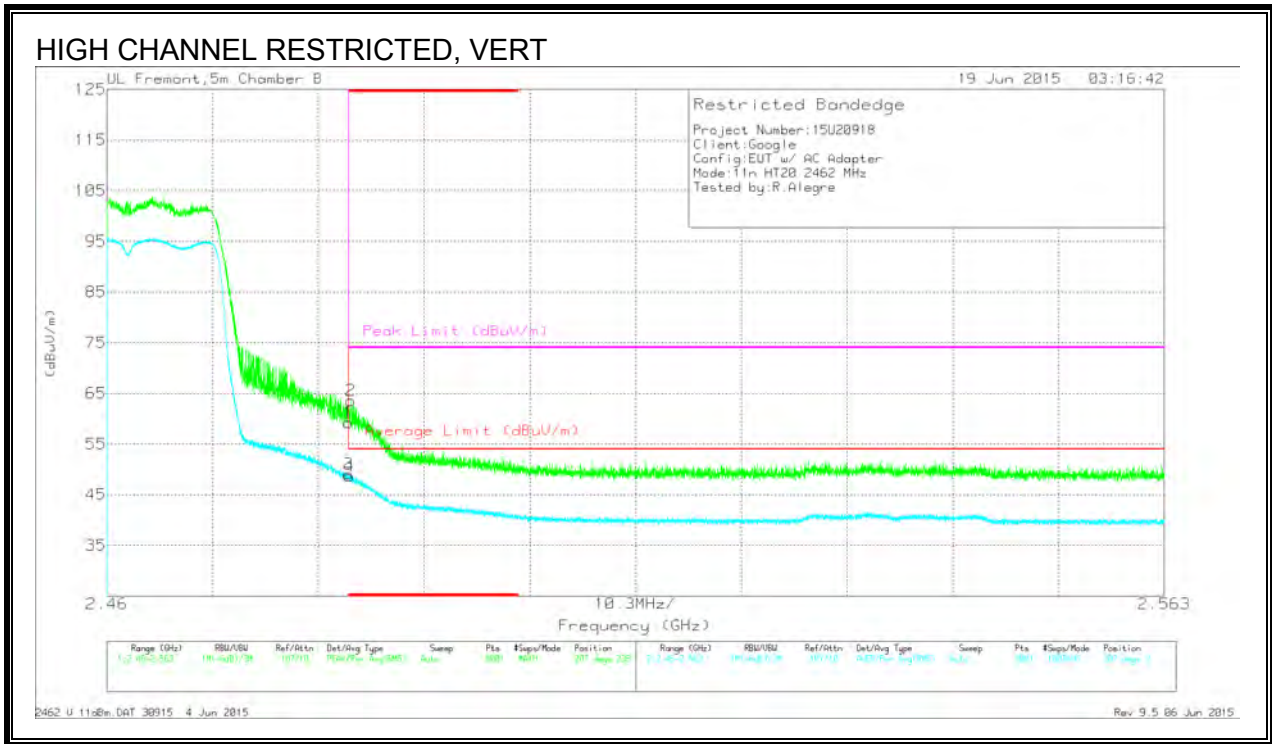
DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Fltr/Pad (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	43.42	Pk	32.5	-21.5	54.42	-	-	74	-19.58	296	306	H
2	* 2.484	48.67	Pk	32.5	-21.5	59.67	-	-	74	-14.33	296	306	H
3	* 2.484	32.18	RMS	32.5	-21.5	43.18	54	-10.82	-	-	296	306	H
4	* 2.484	32.52	RMS	32.5	-21.5	43.52	54	-10.48	-	-	296	306	H

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

Pk - Peak detector

RMS - RMS detection



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Filtr/Pad (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	48.26	Pk	32.5	-21.5	59.26	-	-	74	-14.74	207	238	V
2	* 2.484	52.61	Pk	32.5	-21.5	63.61	-	-	74	-10.39	207	238	V
3	* 2.484	38.08	RMS	32.5	-21.5	49.08	54	-4.92	-	-	207	238	V
4	* 2.484	37.7	RMS	32.5	-21.5	48.7	54	-5.3	-	-	207	238	V

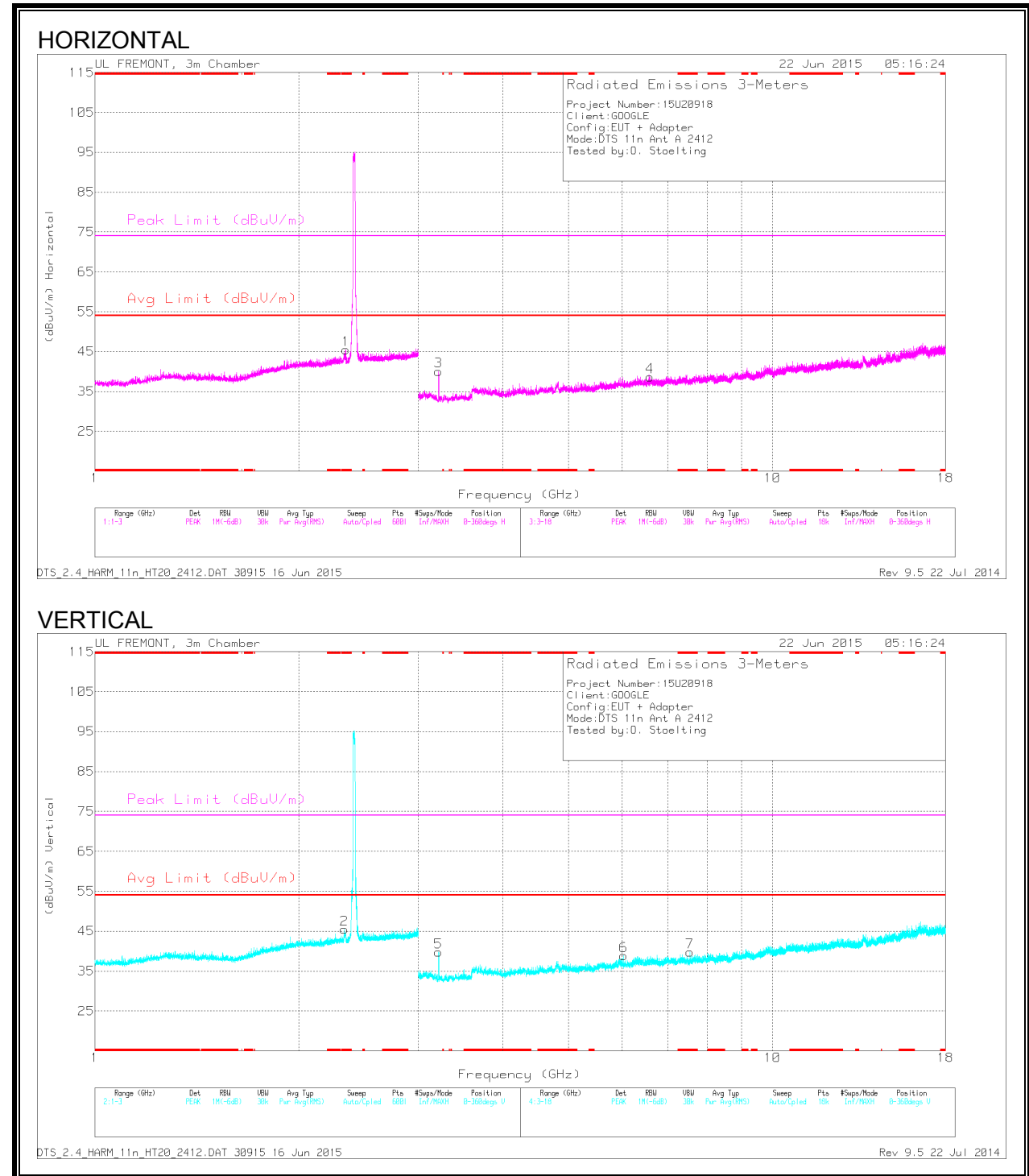
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL



DATA

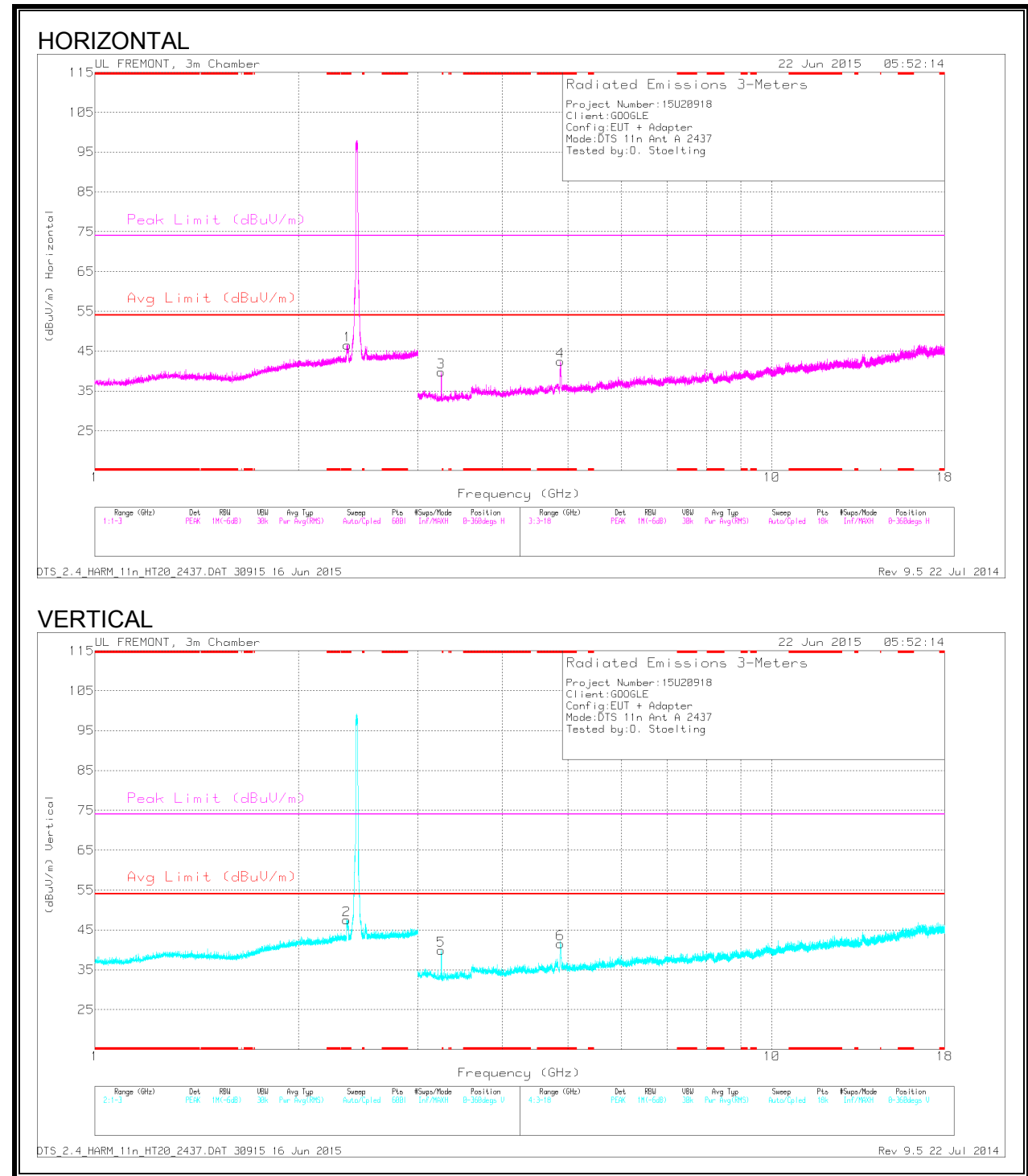
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.336	45.82	PK2	31.9	-25	0	52.72	-	-	74	-21.28	11	132	V
* 2.334	33.66	MAV1	31.9	-25	0	40.56	54	-13.44	-	-	11	132	V
* 2.345	46.77	PK2	31.9	-25	0	53.67	-	-	74	-20.33	175	187	H
* 2.345	35.01	MAV1	31.9	-25	0	41.91	54	-12.09	-	-	175	187	H
* 7.558	37.23	PK2	35.5	-26.9	0	45.83	-	-	74	-28.17	161	276	V
* 7.556	25.68	MAV1	35.5	-26.9	0	34.28	54	-19.72	-	-	161	276	V
6.593	38.36	PK2	35.6	-27.7	0	46.26	-	-	-	-	199	144	H
3.216	40.78	Pk2	32.7	-33.4	0	40.08	-	-	-	-	187	217	H
3.216	40.51	Pk2	32.7	-33.4	0	39.81	-	-	-	-	154	188	V
6.032	32.65	Pk2	35.4	-29.2	0	38.85	-	-	-	-	144	137	V

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

PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL



DATA

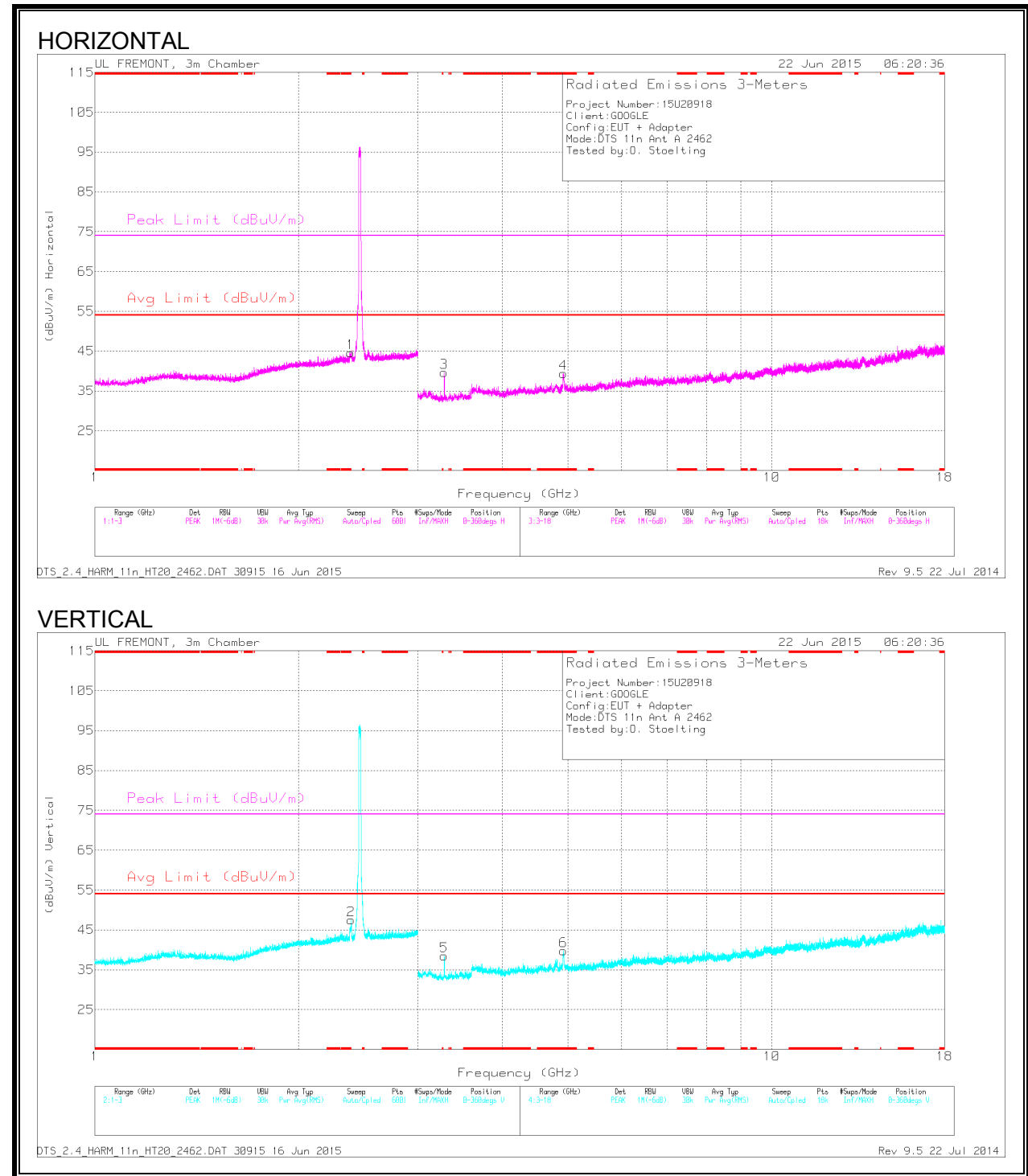
Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.36	44.61	PK2	31.9	-25	0	51.51	-	-	74	-22.49	346	271	H
* 2.361	32.57	MAV1	31.9	-25	0	39.47	54	-14.53	-	-	346	271	H
* 2.356	49.53	PK2	31.9	-25	0	56.43	-	-	74	-17.57	291	202	V
* 2.355	38.33	MAV1	31.9	-25	0	45.23	54	-8.77	-	-	291	202	V
* 4.869	50.73	PK2	33.9	-30.2	0	54.43	-	-	74	-19.57	79	191	H
* 4.869	35.44	MAV1	33.9	-30.2	0	39.14	54	-14.86	-	-	79	191	H
* 4.874	48.18	PK2	33.9	-30.1	0	51.98	-	-	74	-22.02	280	143	V
* 4.874	34.51	MAV1	33.9	-30.1	0	38.31	54	-15.69	-	-	280	143	V
3.249	44.56	PK2	32.8	-33.5	0	43.86	-	-	-	-	192	188	H
3.249	37.58	MAV1	32.8	-33.5	0	36.88	54	-17.12	-	-	192	188	H
3.249	44.02	PK2	32.8	-33.5	0	43.32	-	-	-	-	172	208	V
3.249	36.2	MAV1	32.8	-33.5	0	35.5	54	-18.5	-	-	172	208	V

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

PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL



DATA

Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/ Filtr/Pad (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
* 2.384	45.63	PK2	31.9	-24.9	0	52.63	-	-	74	-21.37	179	262	H
* 2.385	33.95	MAV1	32	-24.9	0	41.05	54	-12.95	-	-	179	262	H
* 2.39	49.67	PK2	32	-24.9	0	56.77	-	-	74	-17.23	280	259	V
* 2.39	37.89	MAV1	32	-24.9	0	44.99	54	-9.01	-	-	280	259	V
* 4.92	52.37	PK2	33.9	-29.6	0	56.67	-	-	74	-17.33	277	210	H
* 4.92	35.44	MAV1	33.9	-29.6	0	39.74	54	-14.26	-	-	277	210	H
* 4.925	44.82	PK2	33.9	-29.6	0	49.12	-	-	74	-24.88	139	153	V
* 4.924	32.04	MAV1	33.9	-29.6	0	36.34	54	-17.66	-	-	139	153	V

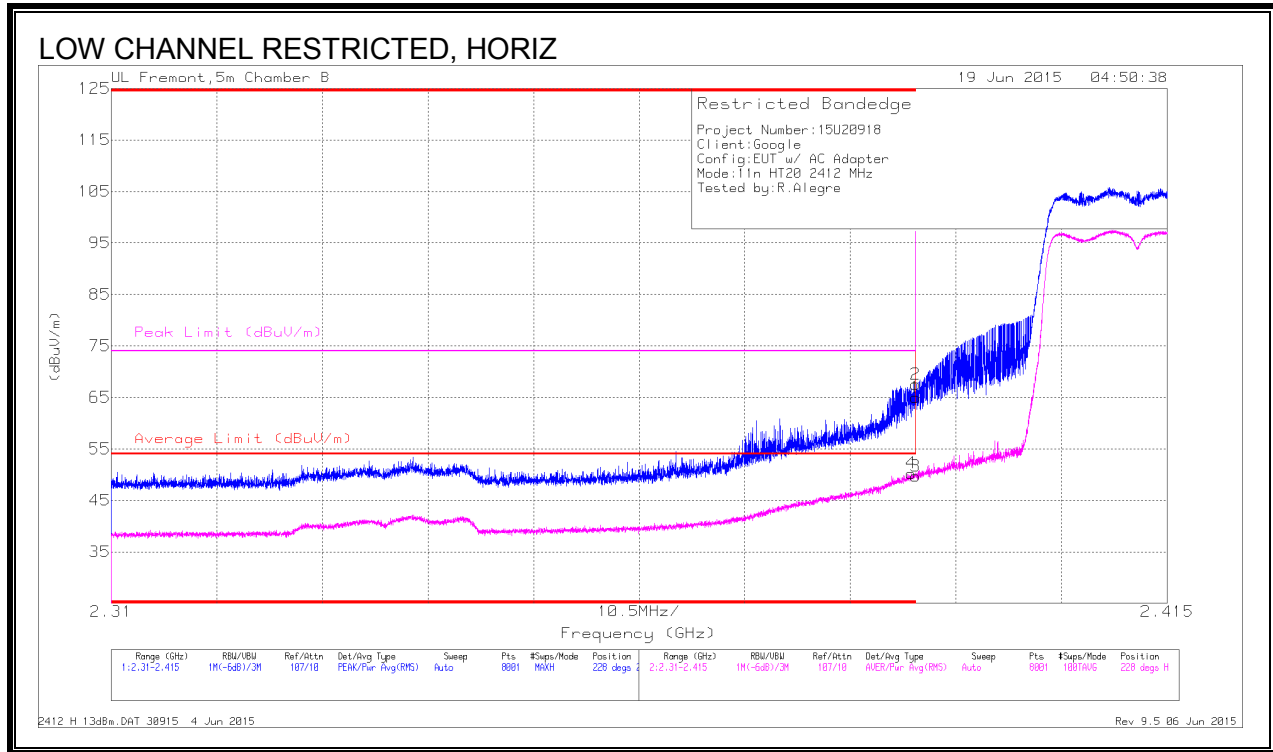
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

9.2.6. TX ABOVE 1 GHz 802.11n HT20 IN THE 2.4 GHz BAND ANTENNA 2

RESTRICTED BANDEDGE (LOW CHANNEL)



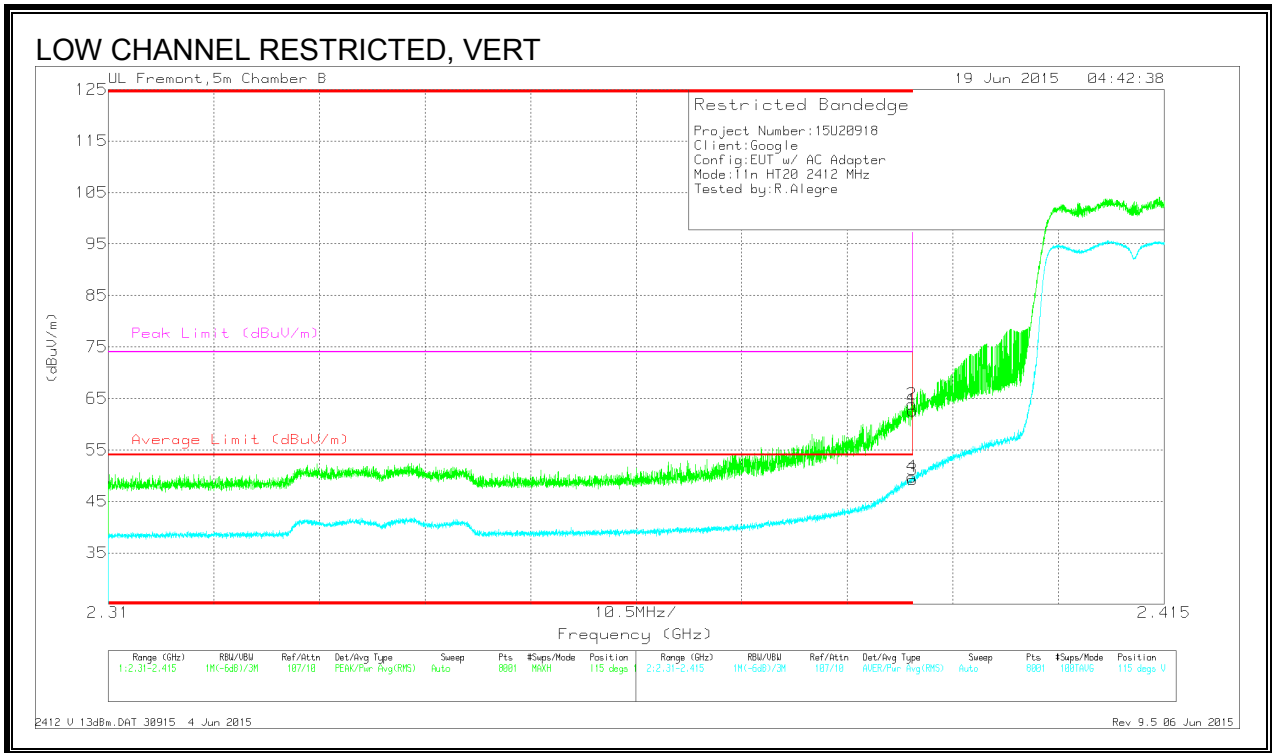
DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Fitr/Pad (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	54.69	Pk	32	-21.7	64.99	-	-	74	-9.01	228	279	H
2	* 2.39	57.26	Pk	32	-21.7	67.56	-	-	74	-6.44	228	279	H
3	* 2.39	39.4	RMS	32	-21.7	49.7	54	-4.3	-	-	228	279	H
4	* 2.39	39.96	RMS	32	-21.7	50.26	54	-3.74	-	-	228	279	H

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

Pk - Peak detector

RMS - RMS detection



DATA

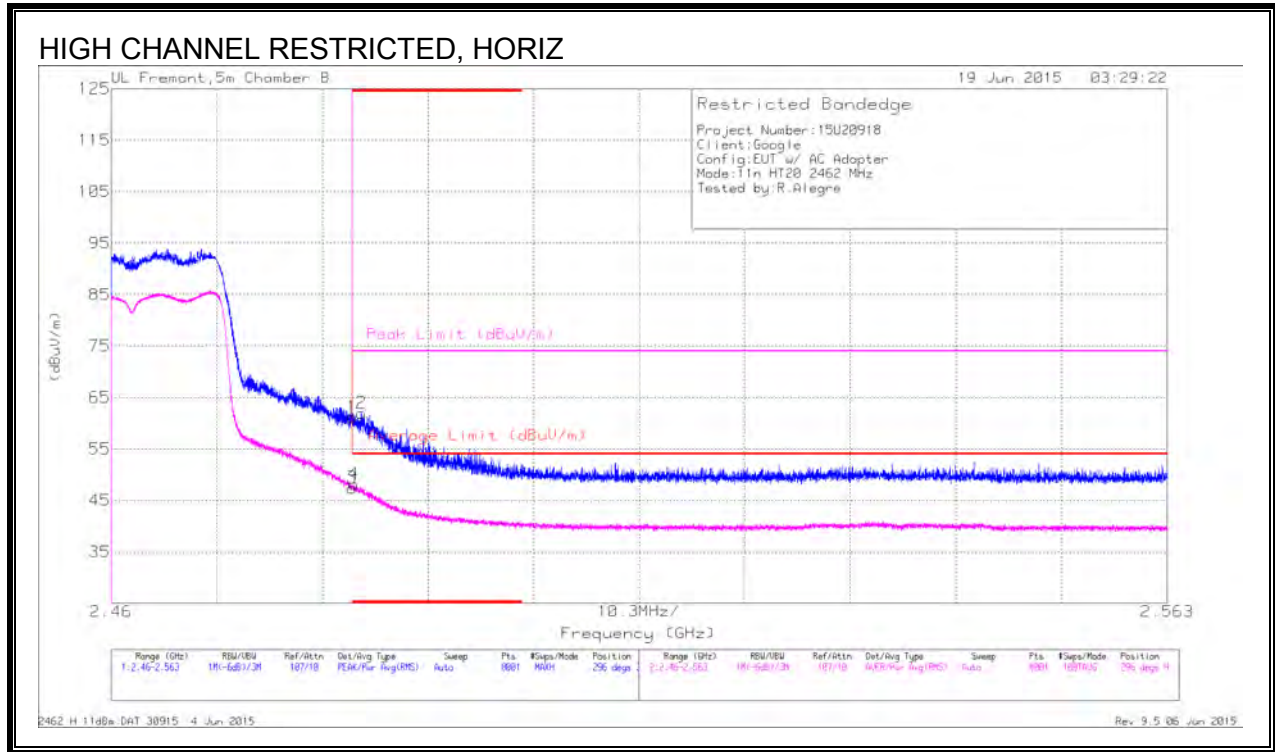
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filt/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	52.33	Pk	32	-21.7	62.63	-	-	74	-11.37	115	169	V
2	* 2.39	53.59	Pk	32	-21.7	63.89	-	-	74	-10.11	115	169	V
3	* 2.39	38.94	RMS	32	-21.7	49.24	54	-4.76	-	-	115	169	V
4	* 2.39	39.47	RMS	32	-21.7	49.77	54	-4.23	-	-	115	169	V

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

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)



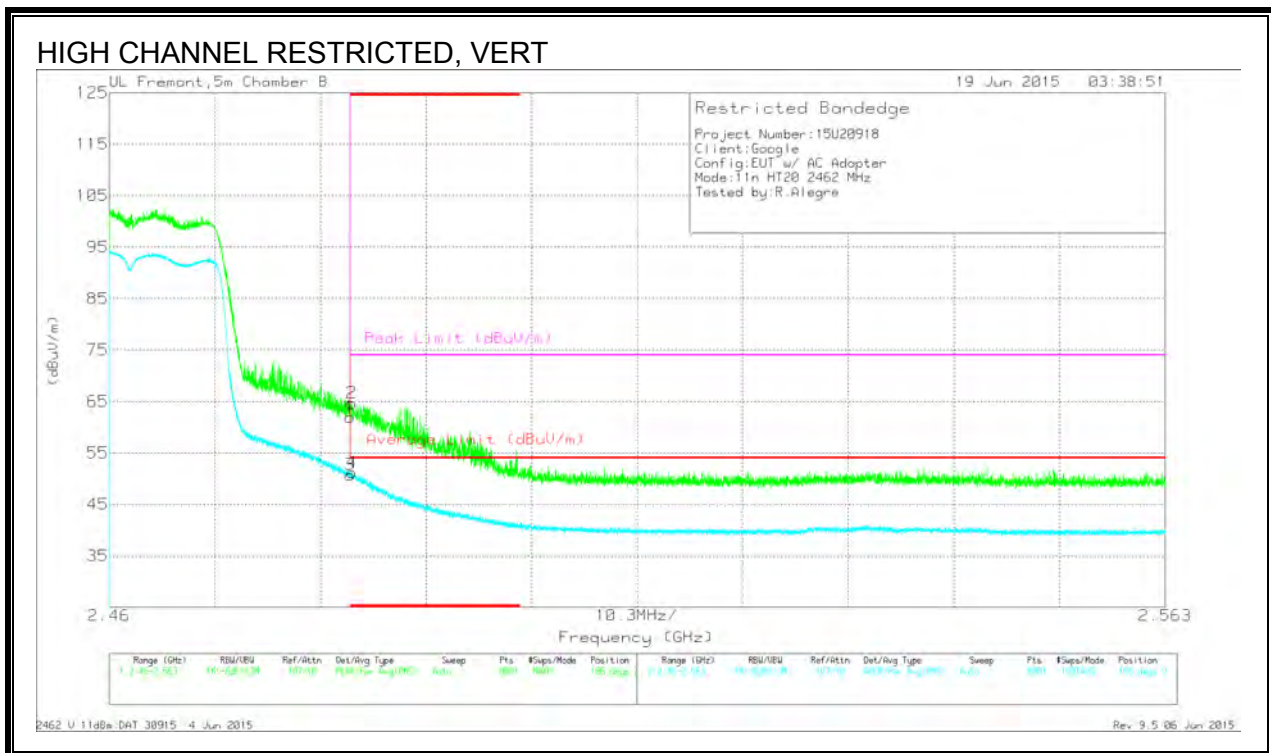
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Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT345 (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	50.15	Pk	32.5	-21.5	61.15	-	-	74	-12.85	296	306	H
2	* 2.484	50.98	Pk	32.5	-21.5	61.98	-	-	74	-12.02	296	306	H
3	* 2.484	36.43	RMS	32.5	-21.5	47.43	54	-6.57	-	-	296	306	H
4	* 2.484	37.18	RMS	32.5	-21.5	48.18	54	-5.82	-	-	296	306	H

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

Pk - Peak detector

RMS - RMS detection



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Ftrt/Pad (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	50.96	Pk	32.5	-21.5	61.96	-	-	74	-12.04	186	290	V
2	* 2.484	53.68	Pk	32.5	-21.5	64.68	-	-	74	-9.32	186	290	V
3	* 2.484	39.75	RMS	32.5	-21.5	50.75	54	-3.25	-	-	186	290	V
4	* 2.484	40.19	RMS	32.5	-21.5	51.19	54	-2.81	-	-	186	290	V

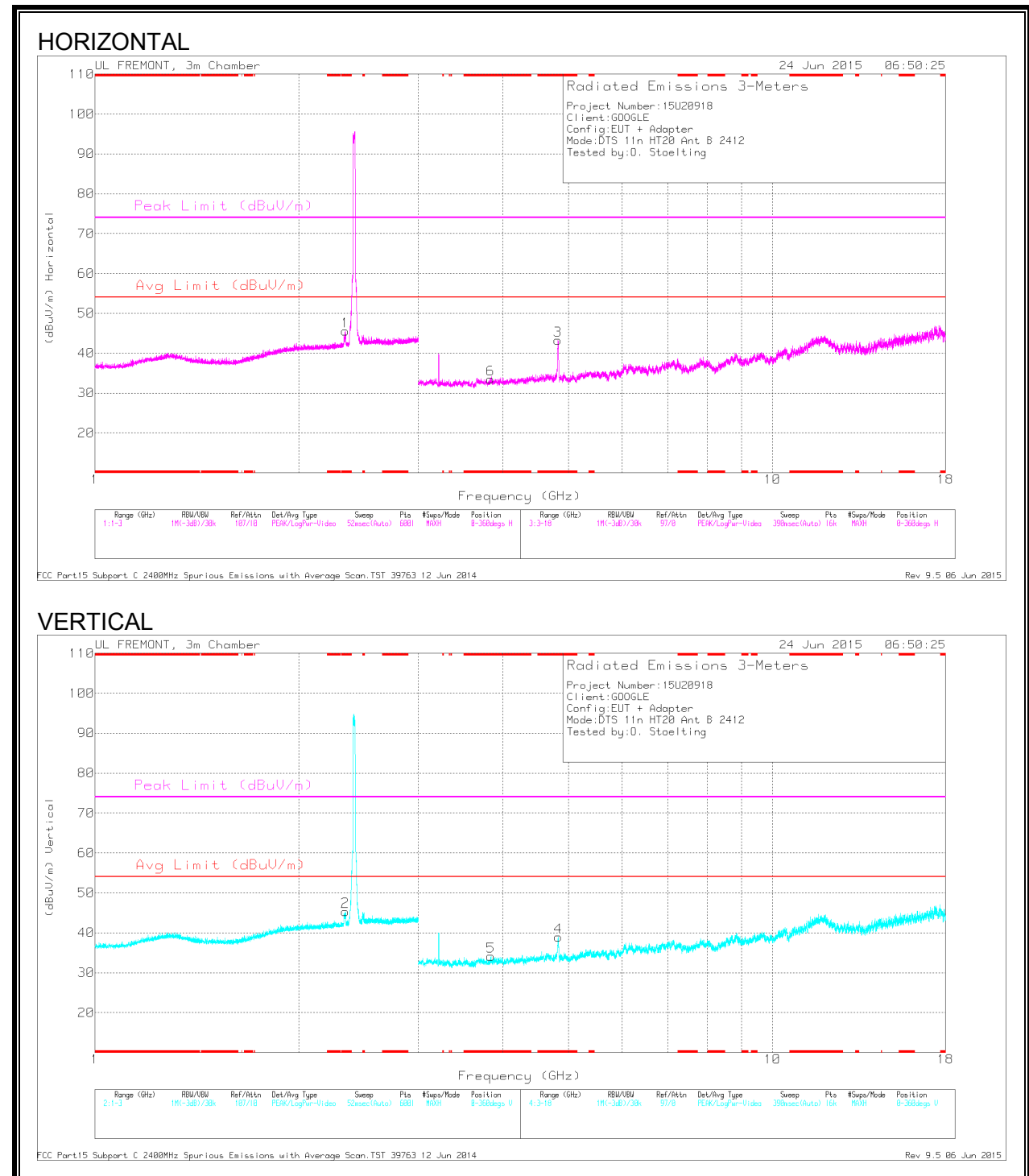
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL



DATA

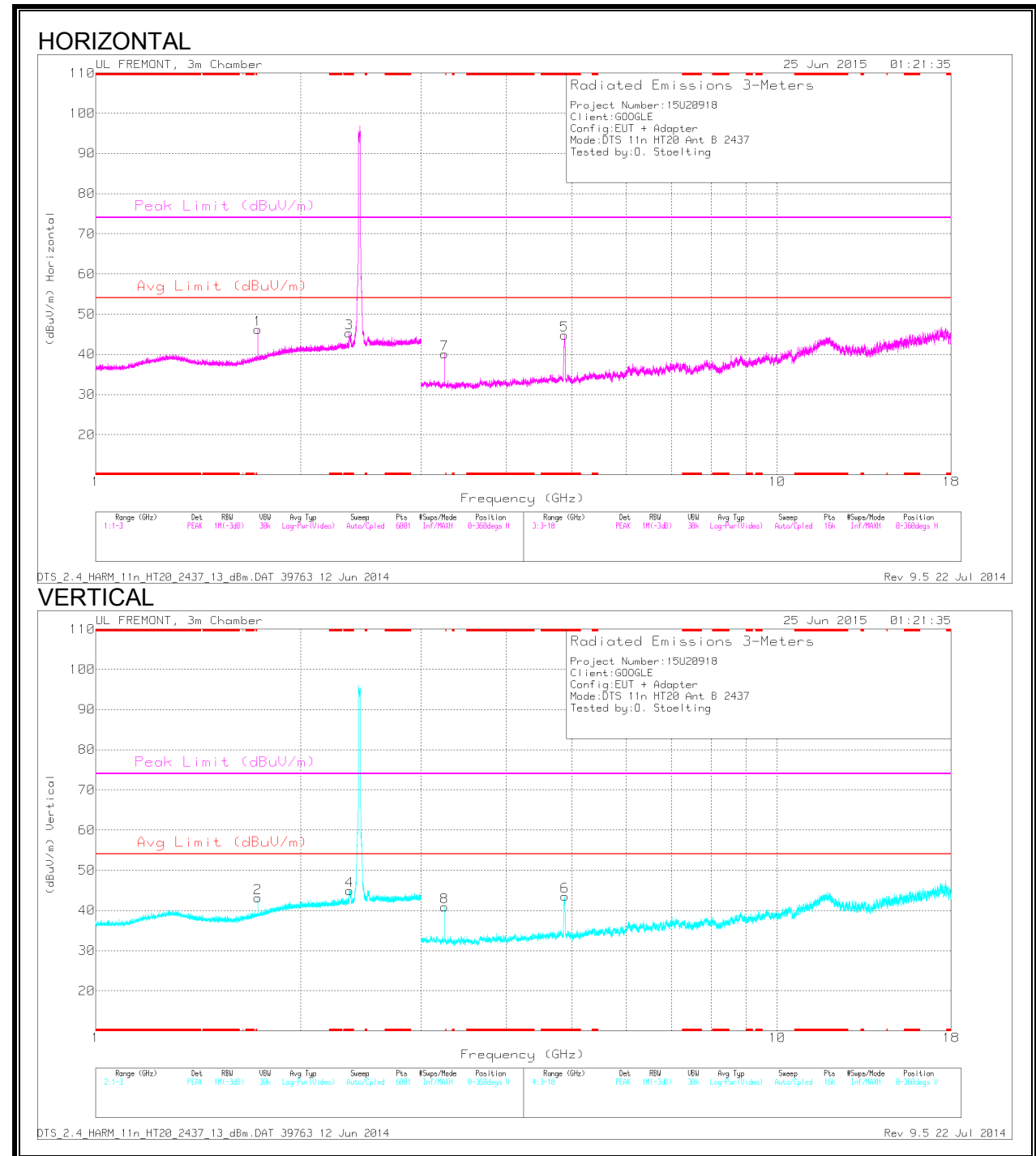
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.34	46.82	PK2	31.8	-22.4	56.22	-	-	74	-17.78	229	122	H
* 2.34	35.13	MAV1	31.8	-22.4	44.53	54	-9.47	-	-	229	122	H
* 2.34	45.98	PK2	31.8	-22.4	55.38	-	-	74	-18.62	72	209	V
* 2.34	34.58	MAV1	31.8	-22.4	43.98	54	-10.02	-	-	72	209	V
* 4.825	57.05	PK2	34	-29.4	61.65	-	-	74	-12.35	282	192	H
* 4.823	38.01	MAV1	34	-29.4	42.61	54	-11.39	-	-	282	192	H
* 3.836	40.18	PK2	33.1	-30.3	42.98	-	-	74	-31.02	144	185	H
* 3.836	28.25	MAV1	33.1	-30.3	31.05	54	-22.95	-	-	144	185	H
* 4.827	51.29	PK2	34	-29.4	55.89	-	-	74	-18.11	238	268	V
* 4.826	33.68	MAV1	34	-29.4	38.28	54	-15.72	-	-	238	268	V
* 3.839	41.69	PK2	33.1	-30.3	44.49	-	-	74	-29.51	98	397	V
* 3.841	28.65	MAV1	33.1	-30.4	31.35	54	-22.65	-	-	98	397	V

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

PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL



DATA

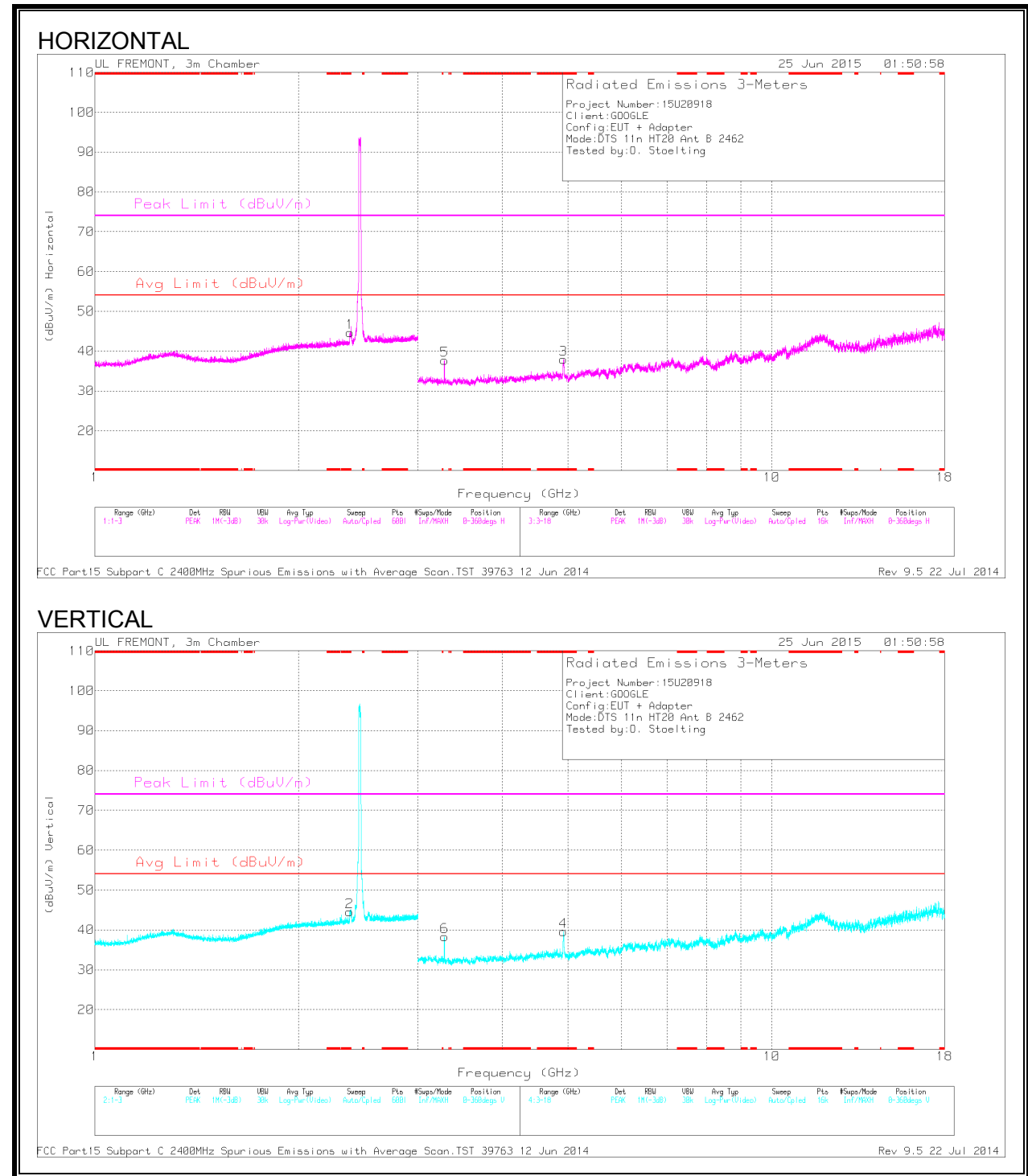
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.355	44.81	PK2	31.8	-22.4	54.21	-	-	74	-19.79	224	227	H
* 2.355	33.48	MAV1	31.8	-22.4	42.88	54	-11.12	-	-	224	227	H
* 2.361	47.26	PK2	31.9	-22.5	56.66	-	-	74	-17.34	321	216	V
* 2.36	36.3	MAV1	31.9	-22.4	45.8	54	-8.2	-	-	321	216	V
* 4.873	60.01	PK2	34	-29.1	64.91	-	-	74	-9.09	116	171	H
* 4.874	40.65	MAV1	34	-29.1	45.55	54	-8.45	-	-	116	171	H
* 4.879	45.21	PK2	34	-29.1	50.11	-	-	74	-23.89	306	183	V
* 4.875	32.44	MAV1	34	-29.1	37.34	54	-16.66	-	-	306	183	V
1.729	39.6	PK2	29.4	-22.8	46.2	-	-	-	-	205	191	H
1.729	36.63	PK2	29.3	-22.8	43.13	-	-	-	-	176	203	V
3.249	38.37	PK2	32.6	-30.9	40.07	-	-	-	-	149	179	H
3.249	39.18	PK2	32.6	-30.9	40.88	-	-	-	-	213	224	V

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

PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL



DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (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
* 2.382	45.65	PK2	32	-22.4	0	55.25	-	-	74	-18.75	194	259	H
* 2.384	34.2	MAV1	32	-22.4	0	43.8	54	-10.2	-	-	194	259	H
* 2.38	45.85	PK2	31.9	-22.4	0	55.35	-	-	74	-18.65	322	210	V
* 2.379	34.49	MAV1	31.9	-22.4	0	43.99	54	-10.01	-	-	322	210	V
* 4.925	44.23	PK2	34	-29.6	0	48.63	-	-	74	-25.37	59	100	H
* 4.924	30.7	MAV1	34	-29.6	0	35.1	54	-18.9	-	-	59	100	H
* 4.923	47.6	PK2	34	-29.6	0	52	-	-	74	-22	306	102	V
* 4.924	34	MAV1	34	-29.6	0	38.4	54	-15.6	-	-	306	102	V
3.283	43.57	PK2	32.6	-30.9	0	45.27	-	-	-	-	163	175	H
3.283	35.9	MAV1	32.6	-30.9	0	37.6	54	-16.4	-	-	163	175	H
3.283	43.12	PK2	32.6	-30.9	0	44.82	-	-	-	-	181	240	V
3.283	34.33	MAV1	32.6	-30.9	0	36.03	54	-17.97	-	-	181	240	V

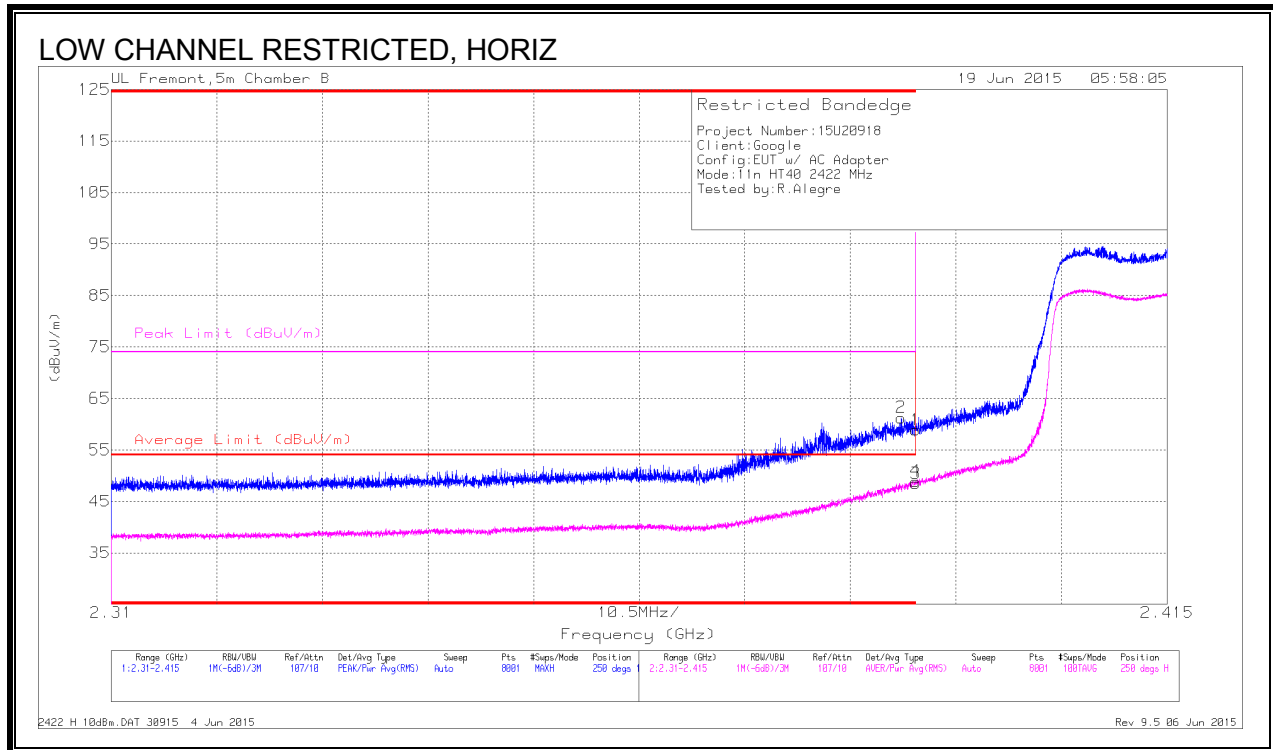
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

9.2.7. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 2.4 GHz BAND ANTENNA 1

RESTRICTED BANDEDGE (LOW CHANNEL)



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filt/Pad (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	48.58	Pk	32	-21.7	58.88	-	-	74	-15.12	250	180	H
2	* 2.389	50.96	Pk	32	-21.7	61.26	-	-	74	-12.74	250	180	H
3	* 2.39	38.16	RMS	32	-21.7	48.46	54	-5.54	-	-	250	180	H
4	* 2.39	38.61	RMS	32	-21.7	48.91	54	-5.09	-	-	250	180	H

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

Pk - Peak detector

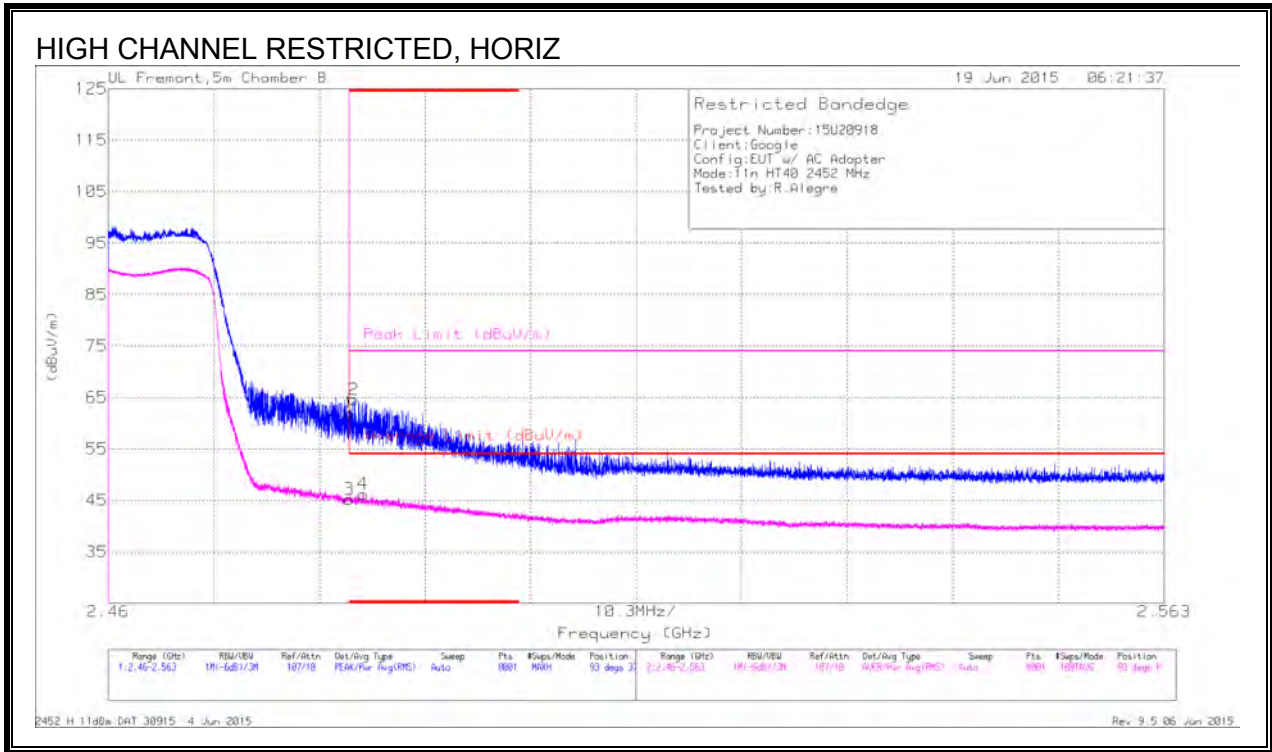
RMS - RMS detection



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Ftr/Pad (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	48.66	Pk	32	-21.7	58.96	-	-	74	-15.04	192	199	V
2	* 2.381	52.96	Pk	32	-21.7	63.26	-	-	74	-10.74	192	199	V
3	* 2.39	38.53	RMS	32	-21.7	48.83	54	-5.17	-	-	192	199	V
4	* 2.39	39.74	RMS	32	-21.7	50.04	54	-3.96	-	-	192	199	V

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)



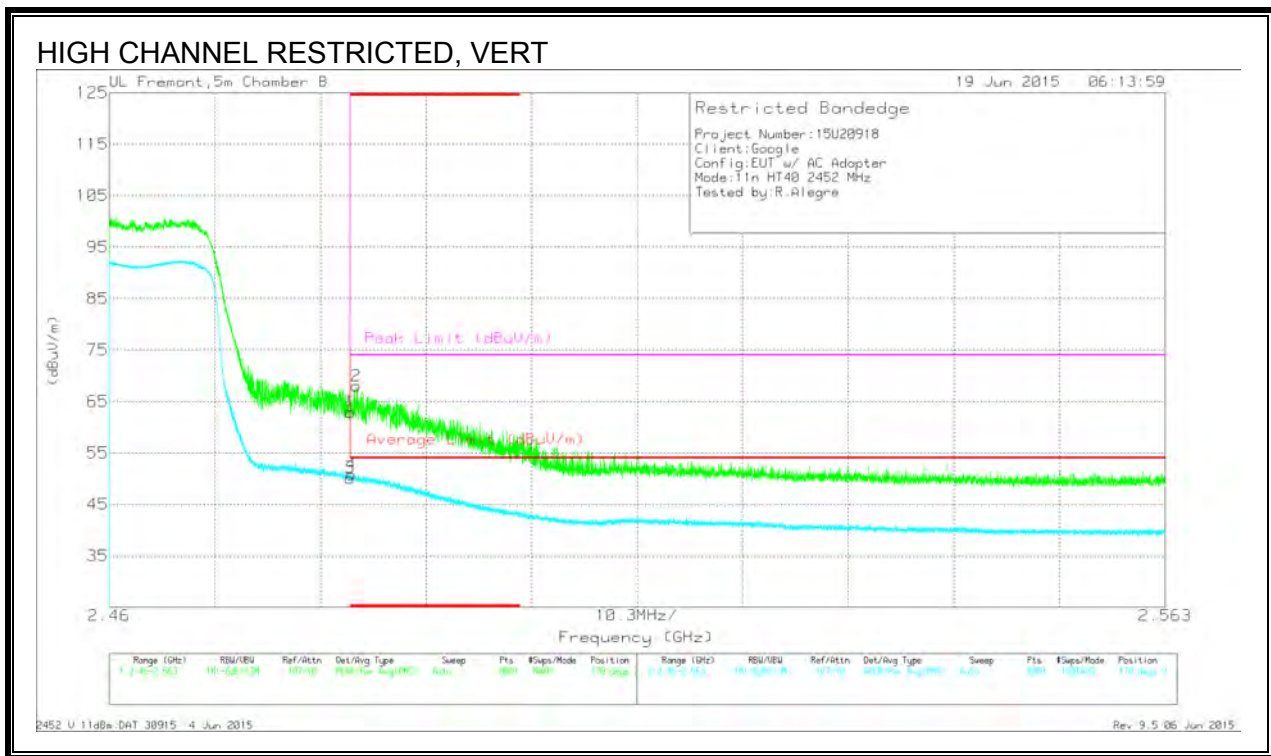
DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filt/Pad (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	51.05	Pk	32.5	-21.5	62.05	-	-	74	-11.95	93	379	H
2	* 2.484	53.62	Pk	32.5	-21.5	64.62	-	-	74	-9.38	93	379	H
3	* 2.484	34.24	RMS	32.5	-21.5	45.24	54	-8.76	-	-	93	379	H
4	* 2.485	35.22	RMS	32.5	-21.5	46.22	54	-7.78	-	-	93	379	H

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

Pk - Peak detector

RMS - RMS detection



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Ftrt/Pad (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	51.93	Pk	32.5	-21.5	62.93	-	-	74	-11.07	170	292	V
2	* 2.484	57.05	Pk	32.5	-21.5	68.05	-	-	74	-5.95	170	292	V
3	* 2.484	39.14	RMS	32.5	-21.5	50.14	54	-3.86	-	-	170	292	V
4	* 2.484	39.82	RMS	32.5	-21.5	50.82	54	-3.18	-	-	170	292	V

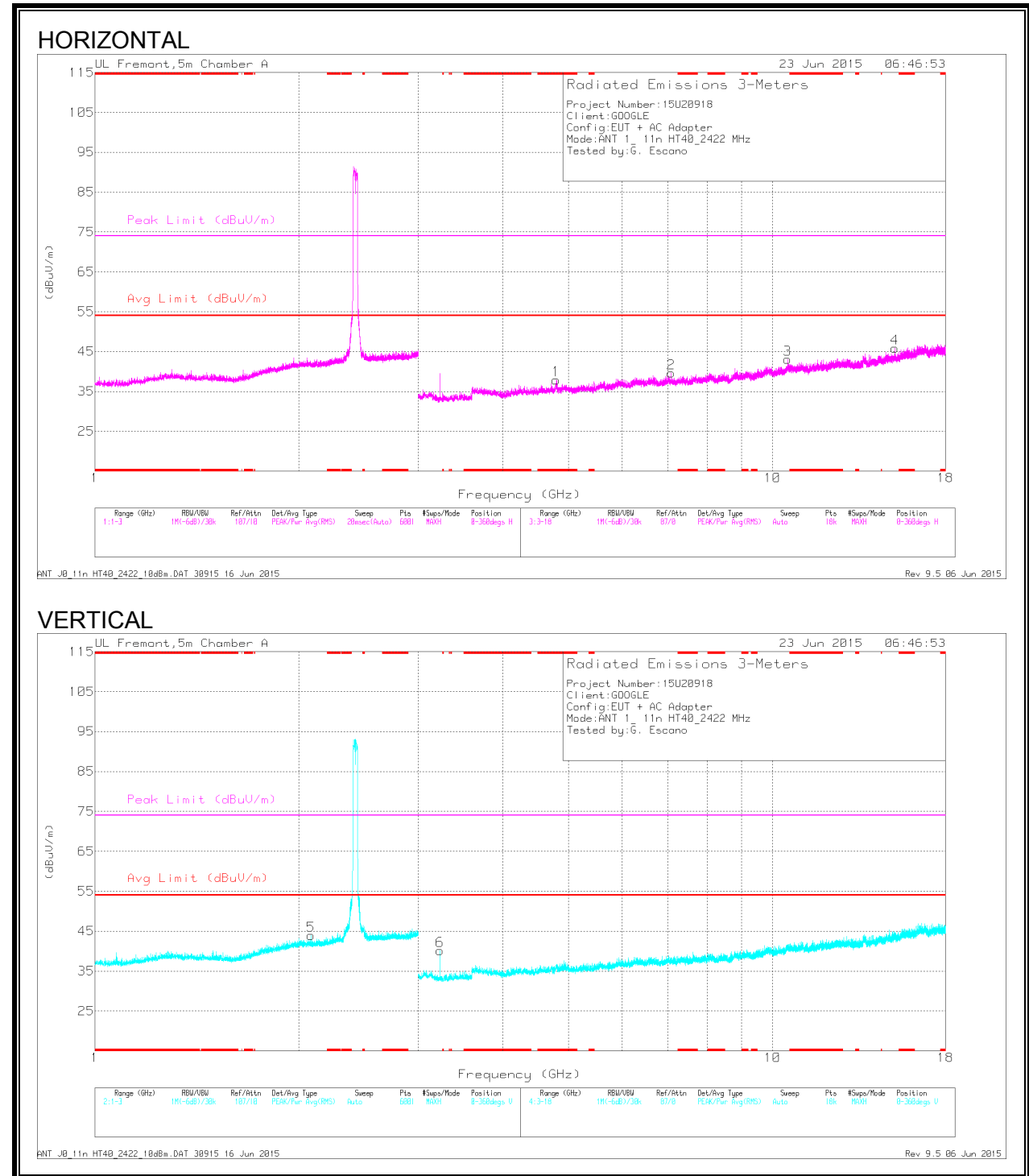
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL



DATA

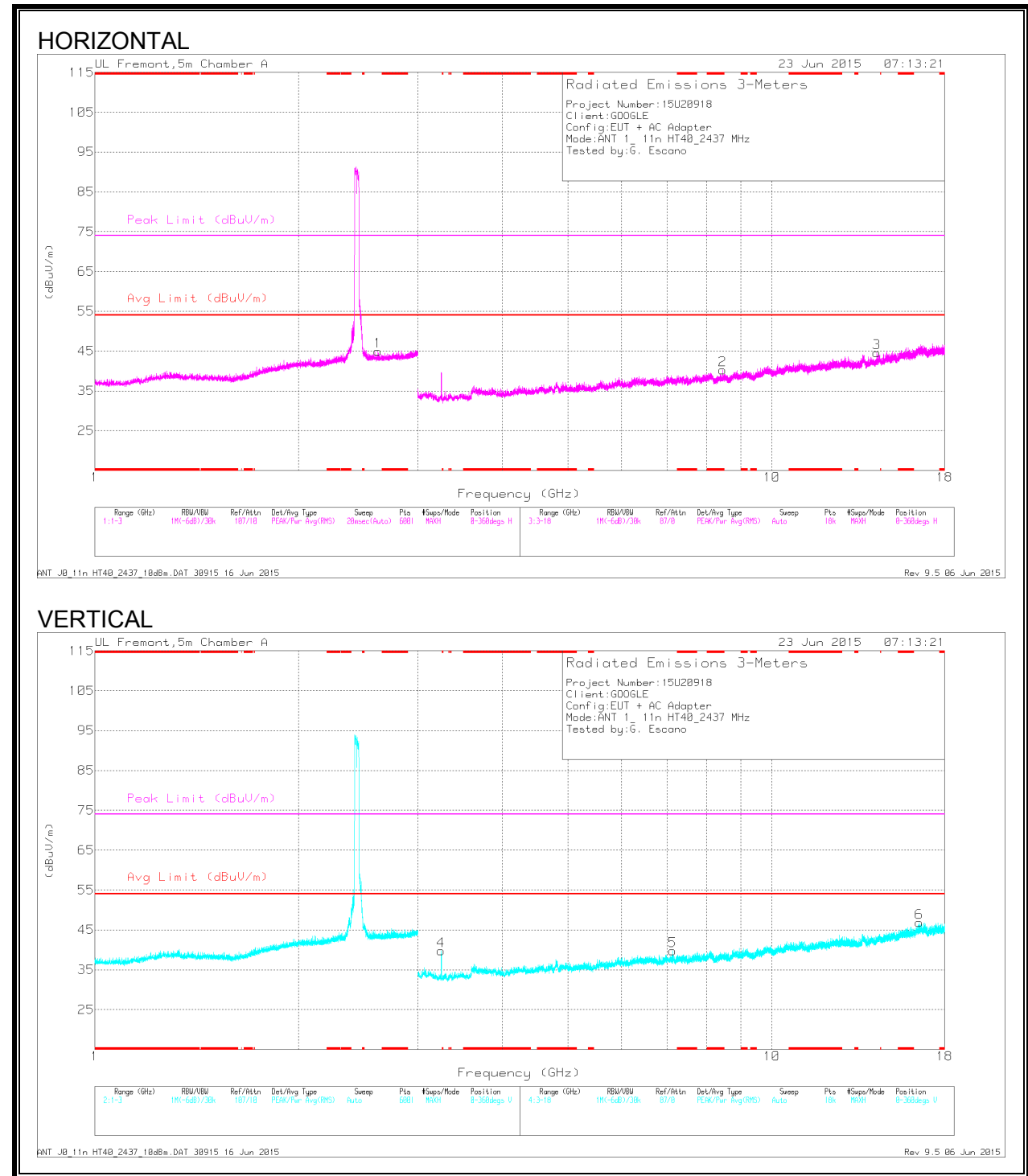
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.798	41.84	PK2	34	-31.2	0	44.64	-	-	74	-29.36	116	304	H
* 4.794	30.28	MAV1	34	-31.3	0	32.98	54	-21.02	-	-	116	304	H
2.083	37.87	Pk	31.4	-25.3	0	43.97	-	-	-	-	0-360	100	V
3.229	40.92	Pk	32.7	-33.5	0	40.12	-	-	-	-	0-360	100	V
7.084	30.89	Pk	35.6	-26.8	0	39.69	-	-	-	-	0-360	100	H
10.526	28.42	Pk	37.6	-23	0	43.02	-	-	-	-	0-360	100	H
15.157	28.38	Pk	39.9	-22.4	0	45.88	-	-	-	-	0-360	201	H

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

PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL



DATA

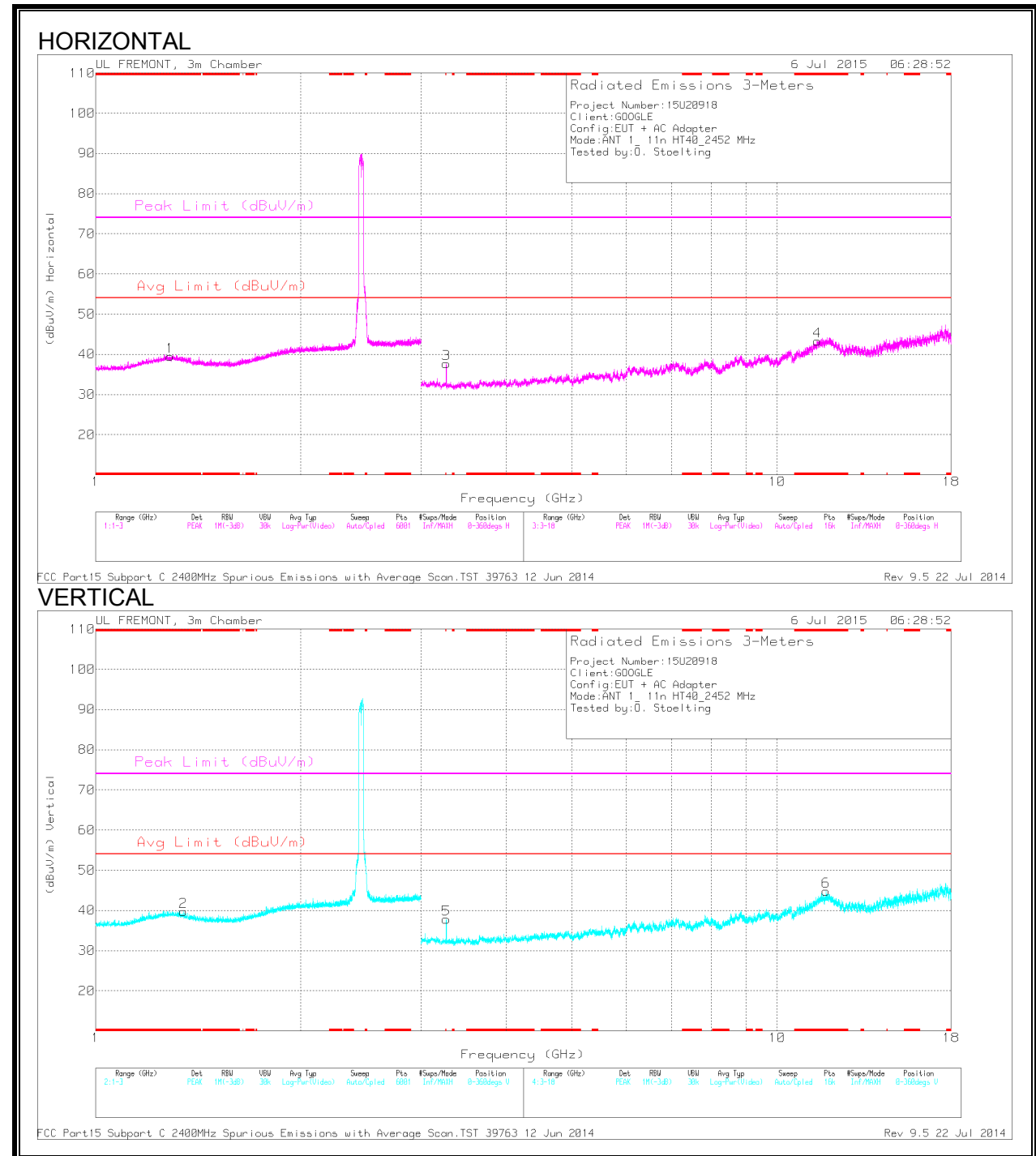
Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 8.466	36.82	PK2	35.7	-25.1	0	47.42	-	-	74	-26.58	271	367	H
* 8.464	24.71	MAV1	35.7	-25.2	0	35.21	54	-18.79	-	-	271	367	H
2.619	37.44	Pk	32.2	-24.7	0	44.94	-	-	-	-	0-360	100	H
3.249	40.51	Pk	32.8	-33.5	0	39.81	-	-	-	-	0-360	100	V
7.139	31.45	Pk	35.5	-27.2	0	39.75	-	-	-	-	0-360	100	V
14.289	28.84	Pk	39	-23.2	0	44.64	-	-	-	-	0-360	201	H
16.514	28.28	Pk	41.6	-23	0	46.88	-	-	-	-	0-360	100	V

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

PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL



DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (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
* 1.286	42.63	PK2	29.8	-23.1	0	49.33	-	-	74	-24.67	179	306	H
* 1.286	30.49	MAV1	29.8	-23.1	0	37.19	54	-16.81	-	-	179	306	H
* 1.344	42.31	PK2	29.3	-23.2	0	48.41	-	-	74	-25.59	25	111	V
* 1.344	30.64	MAV1	29.3	-23.2	0	36.74	54	-17.26	-	-	25	111	V
* 11.455	36.54	PK2	38.3	-21.9	0	52.94	-	-	74	-21.06	216	394	H
* 11.457	24.78	MAV1	38.3	-21.9	0	41.18	54	-12.82	-	-	216	394	H
* 11.797	36.76	PK2	39	-22.4	0	53.36	-	-	74	-20.64	197	274	V
* 11.793	24.76	MAV1	39	-22.4	0	41.36	54	-12.64	-	-	197	274	V
3.269	43.56	PK2	32.6	-31	0	45.16	-	-	-	-	325	201	H
3.269	36.28	MAV1	32.6	-31	0	37.88	54	-16.12	-	-	325	201	H
3.269	43.75	PK2	32.6	-31	0	45.35	-	-	-	-	333	269	V
3.269	36.66	MAV1	32.6	-31	0	38.26	54	-15.74	-	-	333	269	V

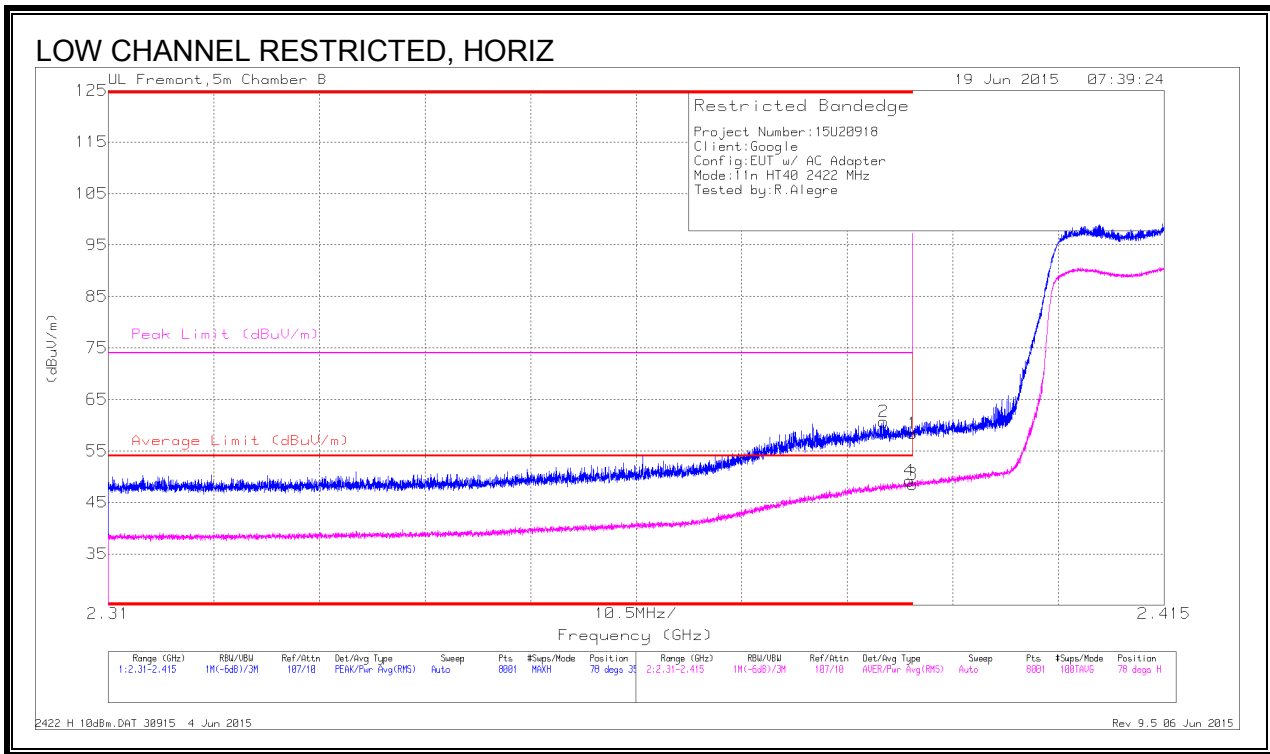
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

9.2.8. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 2.4 GHz BAND ANTENNA 2

RESTRICTED BANDEDGE (LOW CHANNEL)



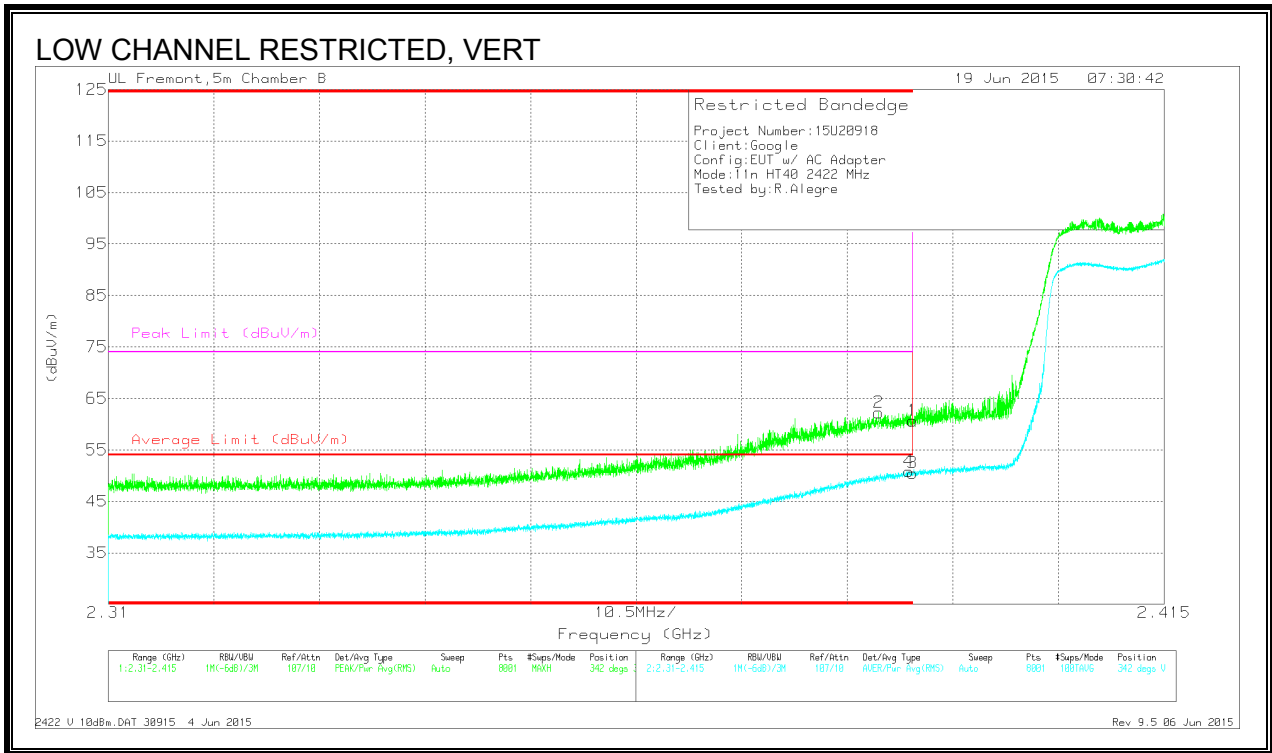
DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filt/Pad (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	48.1	Pk	32	-21.7	58.4	-	-	74	-15.6	78	350	H
2	* 2.387	50.36	Pk	32	-21.7	60.66	-	-	74	-13.34	78	350	H
3	* 2.39	38.24	RMS	32	-21.7	48.54	54	-5.46	-	-	78	350	H
4	* 2.39	38.89	RMS	32	-21.7	49.19	54	-4.81	-	-	78	350	H

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

Pk - Peak detector

RMS - RMS detection



DATA

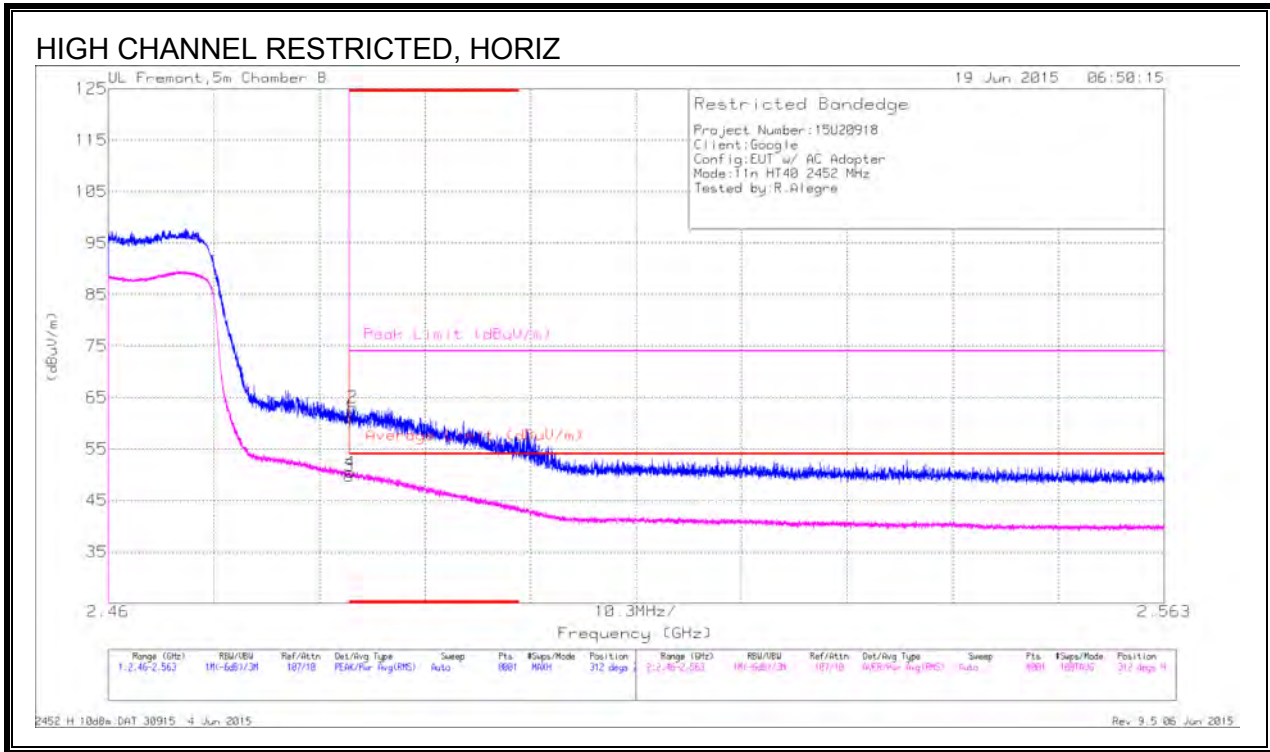
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	50.37	Pk	32	-21.7	60.67	-	-	74	-13.33	342	346	V
2	* 2.387	51.95	Pk	32	-21.7	62.25	-	-	74	-11.75	342	346	V
3	* 2.39	40.21	RMS	32	-21.7	50.51	54	-3.49	-	-	342	346	V
4	* 2.39	40.53	RMS	32	-21.7	50.83	54	-3.17	-	-	342	346	V

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

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)



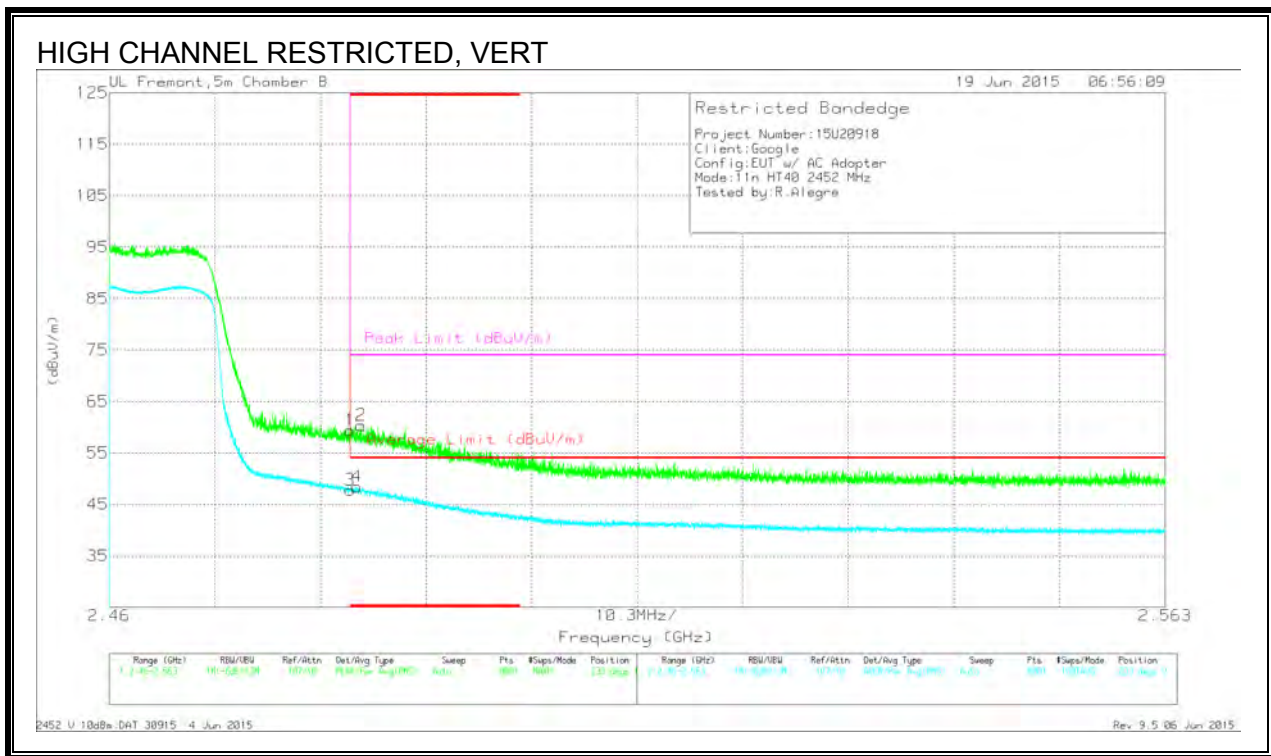
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Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filt/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	50.08	Pk	32.5	-21.5	61.08	-	-	74	-12.92	312	224	H
2	* 2.484	52.08	Pk	32.5	-21.5	63.08	-	-	74	-10.92	312	224	H
3	* 2.484	38.78	RMS	32.5	-21.5	49.78	54	-4.22	-	-	312	224	H
4	* 2.484	39.43	RMS	32.5	-21.5	50.43	54	-3.57	-	-	312	224	H

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

Pk - Peak detector

RMS - RMS detection



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Ftrt/Pad (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	48.42	Pk	32.5	-21.5	59.42	-	-	74	-14.58	233	185	V
2	* 2.485	49.37	Pk	32.5	-21.5	60.37	-	-	74	-13.63	233	185	V
3	* 2.484	36.78	RMS	32.5	-21.5	47.78	54	-6.22	-	-	233	185	V
4	* 2.484	37.44	RMS	32.5	-21.5	48.44	54	-5.56	-	-	233	185	V

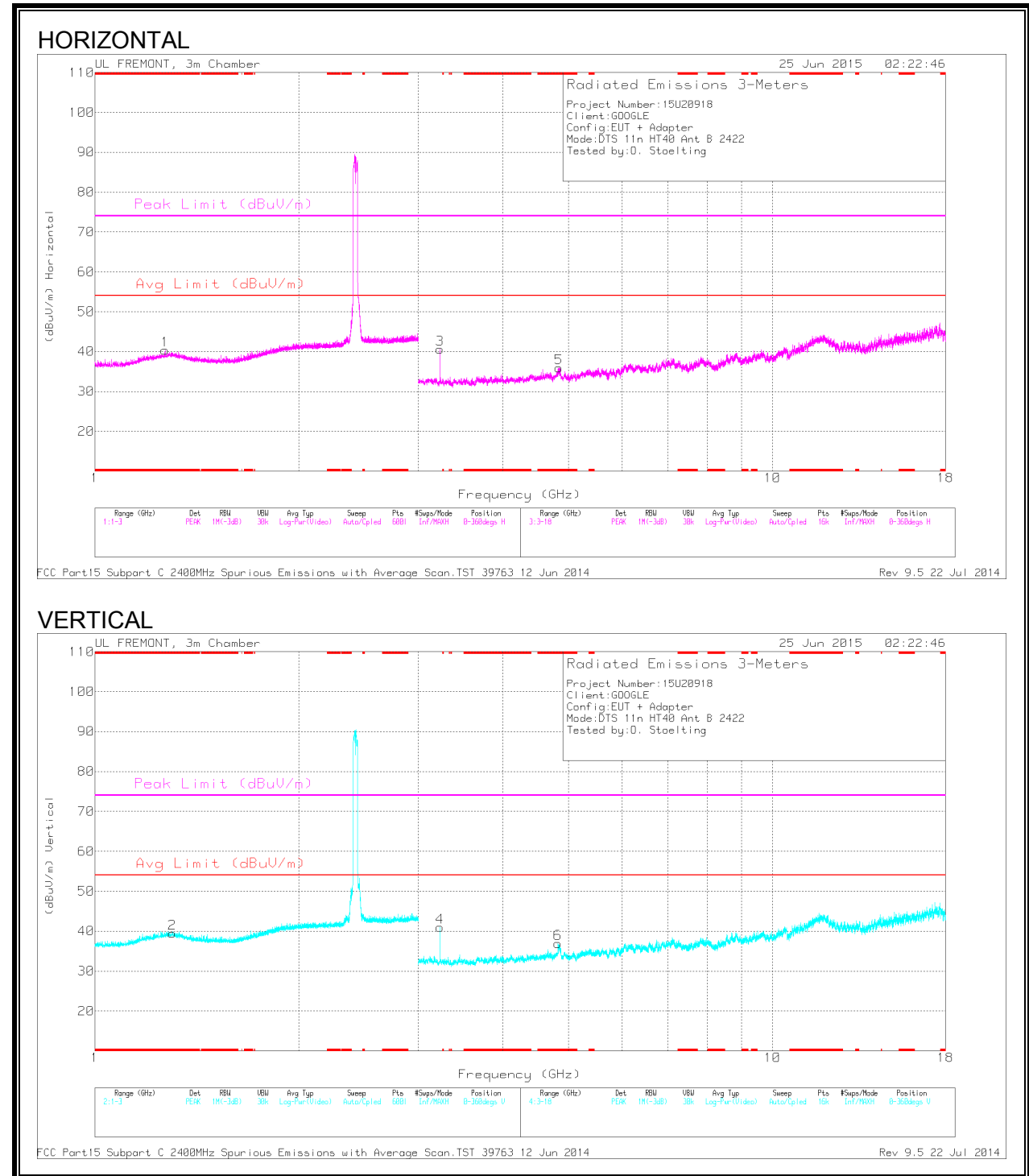
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL



DATA

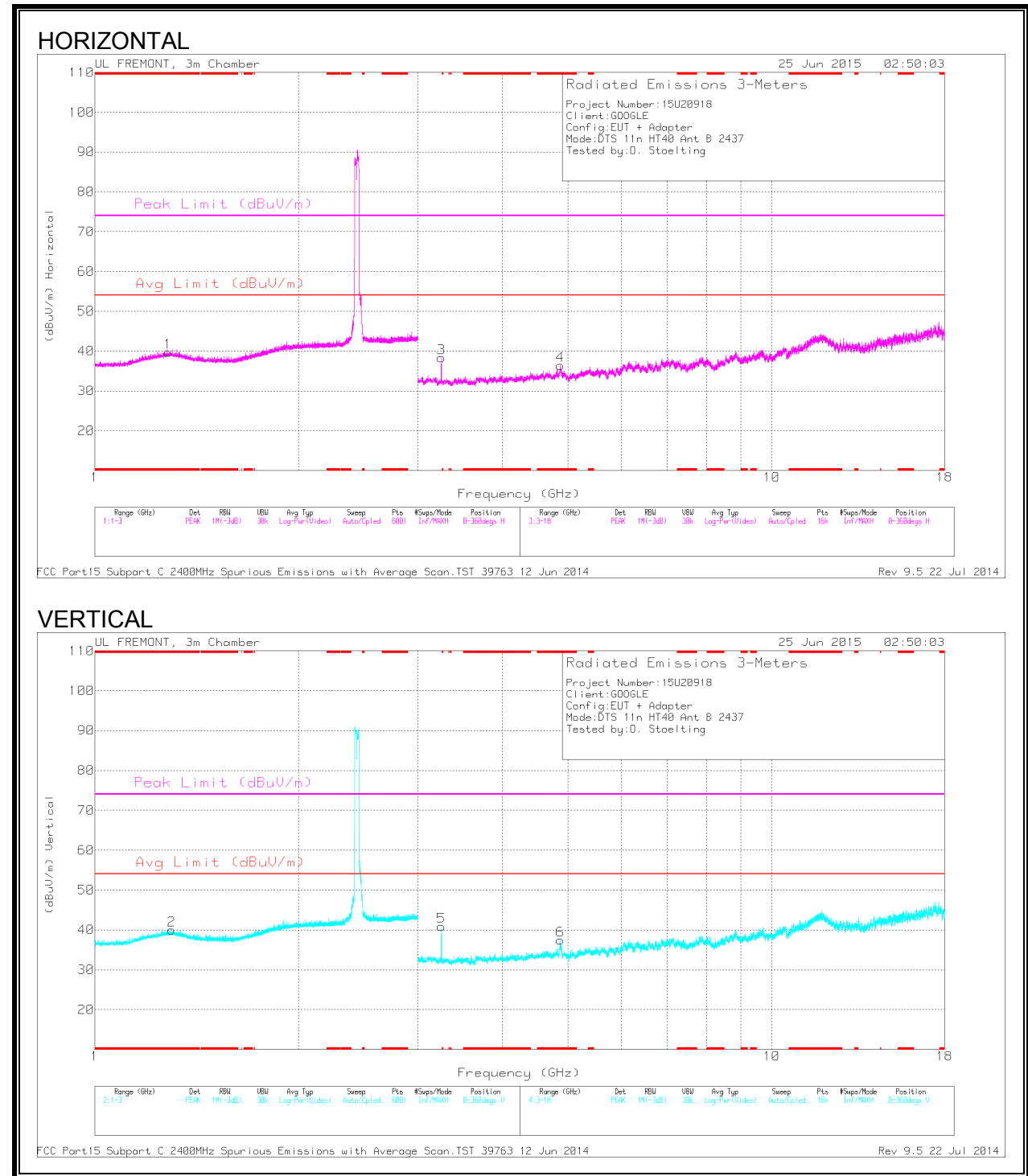
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.271	42.68	PK2	29.6	-23.2	0	49.08	-	-	74	-24.92	197	200	H
* 1.268	31.05	MAV1	29.6	-23.2	0	37.45	54	-16.55	-	-	197	200	H
* 1.302	42.35	PK2	29.9	-23.2	0	49.05	-	-	74	-24.95	255	100	V
* 1.299	30.9	MAV1	29.9	-23.2	0	37.6	54	-16.4	-	-	255	100	V
* 4.837	43.23	PK2	34	-29.4	0	47.83	-	-	74	-26.17	85	100	H
* 4.834	29.25	MAV1	34	-29.4	0	33.85	54	-20.15	-	-	85	100	H
* 4.826	46.19	PK2	34	-29.4	0	50.79	-	-	74	-23.21	96	194	V
* 4.825	30.62	MAV1	34	-29.4	0	35.22	54	-18.78	-	-	96	194	V
3.23	38.77	PK	32.6	-30.8	0	40.57	-	-	-	-	0-360	100	H
3.23	39.18	PK	32.6	-30.8	0	40.98	-	-	-	-	0-360	200	V

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

PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL



DATA

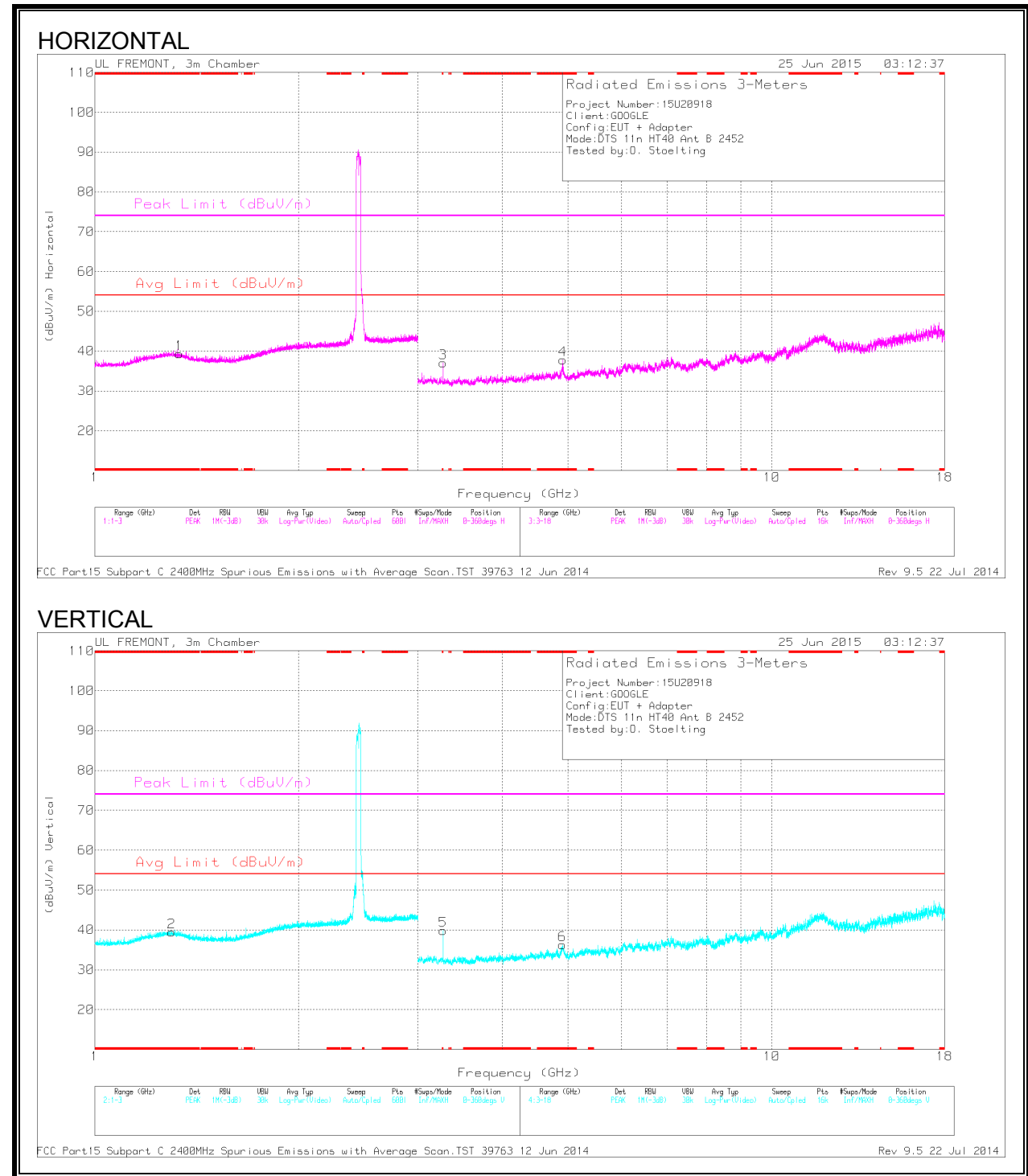
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.283	42.43	PK2	29.7	-23.2	0	48.93	-	-	74	-25.07	255	100	H
* 1.283	31.07	MAV1	29.7	-23.2	0	37.57	54	-16.43	-	-	255	100	H
* 1.3	42.41	PK2	29.9	-23.2	0	49.11	-	-	74	-24.89	255	200	V
* 1.3	30.98	MAV1	29.9	-23.2	0	37.68	54	-16.32	-	-	255	200	V
* 4.869	44.83	PK2	34	-29.1	0	49.73	-	-	74	-24.27	71	194	H
* 4.872	30.57	MAV1	34	-29.1	0	35.47	54	-18.53	-	-	71	194	H
* 4.872	44.24	PK2	34	-29.1	0	49.14	-	-	74	-24.86	311	121	V
* 4.872	31.17	MAV1	34	-29.1	0	36.07	54	-17.93	-	-	311	121	V
3.249	36.66	PK	32.6	-30.9	0	38.36	-	-	-	-	0-360	100	H
3.249	39.2	PK	32.6	-30.9	0	40.9	-	-	-	-	0-360	200	V

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

PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL



DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (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
* 1.331	42.74	PK2	29.5	-23.2	0	49.04	-	-	74	-24.96	255	100	H
* 1.331	31	MAV1	29.5	-23.2	0	37.3	54	-16.7	-	-	255	100	H
* 1.298	42.52	PK2	29.9	-23.2	0	49.22	-	-	74	-24.78	255	100	V
* 1.299	30.88	MAV1	29.9	-23.2	0	37.58	54	-16.42	-	-	255	100	V
* 4.91	45.57	PK2	34	-29.5	0	50.07	-	-	74	-23.93	94	100	H
* 4.91	31.57	MAV1	34	-29.5	0	36.07	54	-17.93	-	-	94	100	H
* 4.91	44.53	PK2	34	-29.5	0	49.03	-	-	74	-24.97	327	122	V
* 4.907	30.52	MAV1	34	-29.5	0	35.02	54	-18.98	-	-	327	122	V
3.269	43.75	PK2	32.6	-31	0	45.35	-	-	-	-	333	269	V
3.269	36.66	MAV1	32.6	-31	0	38.26	-	-	-	-	333	269	V

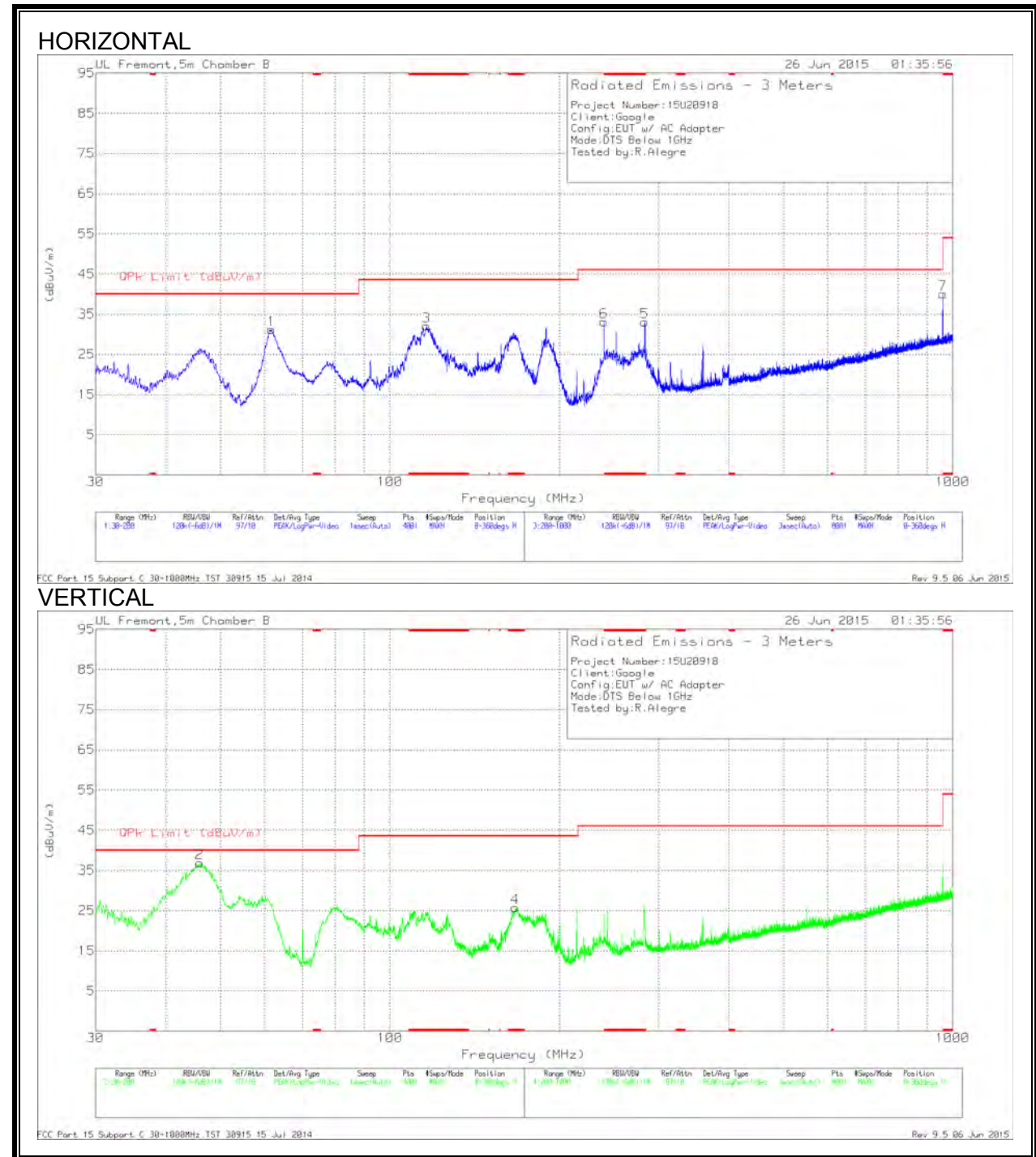
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

9.3. WORST-CASE BELOW 1 GHz

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



DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T243 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	* 116.19	46.14	Pk	13.7	-27.8	32.04	43.52	-11.48	0-360	299	H
4	* 166.8713	41.13	Pk	11.8	-27.2	25.73	43.52	-17.79	0-360	101	V
5	* 283.8	45.71	Pk	13.4	-26	33.11	46.02	-12.91	0-360	101	H
6	* 240	47.89	Pk	11.6	-26.4	33.09	46.02	-12.93	0-360	101	H
7	* 960	39.37	Pk	22.9	-22.2	40.07	46.02	-5.95	0-360	101	H
2	45.9163	55.46	Pk	10	-28.6	36.86	40	-3.14	0-360	101	V
1	61.62	51.95	Pk	7.6	-28.4	31.15	40	-8.85	0-360	399	H

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

Pk - Peak detector

Radiated Emissions

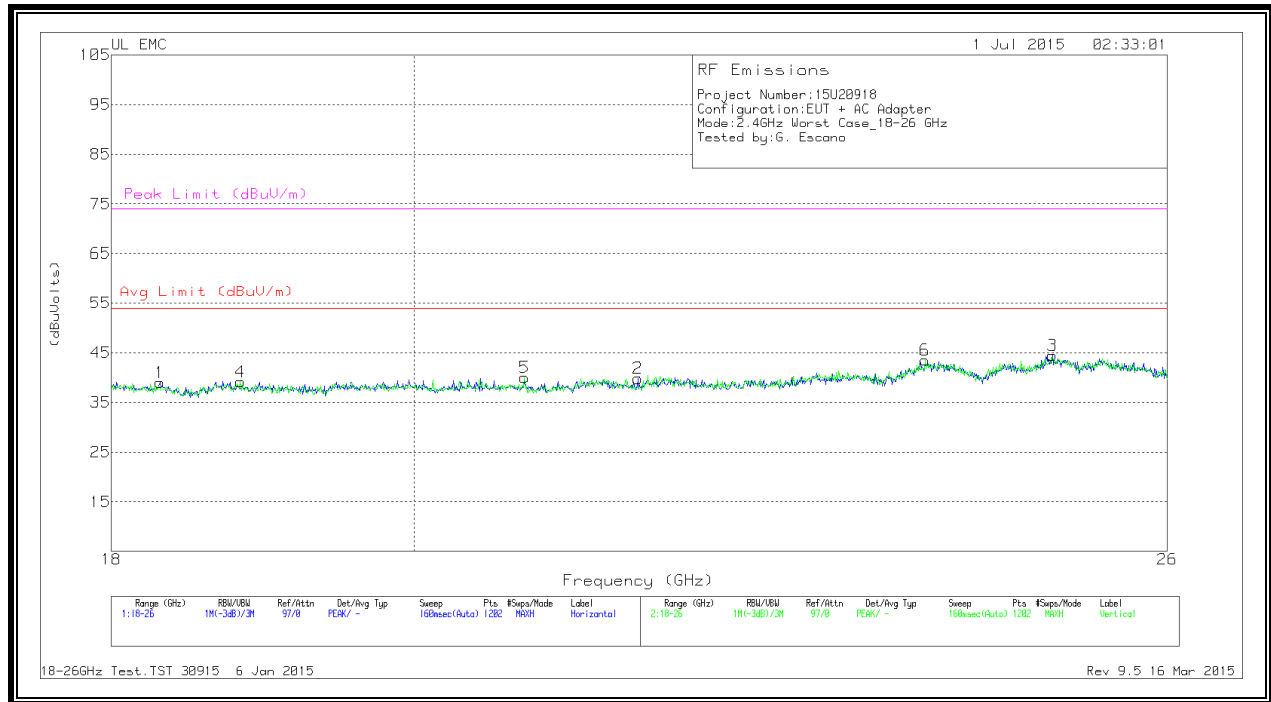
Frequency (MHz)	Meter Reading (dBuV)	Det	AF T243 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 960.0002	39.9	Qp	22.9	-22.2	40.6	53.97	-13.37	22	153	H
45.8865	52.21	Qp	10	-28.6	33.61	40	-6.39	256	114	V

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

Qp - Quasi-Peak detector

9.4. WORST-CASE ABOVE 18GHz

SPURIOUS EMISSIONS 18 TO 26 GHz (WORST-CASE CONFIGURATION)



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	T89 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Corrected Reading (dBuVolts)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)
1	18.306	41.3	Pk	32.4	-25.2	-9.5	39	54	-15	74	-35
2	21.624	41.33	Pk	33.2	-25.2	-9.5	39.83	54	-14.17	74	-34.17
3	24.981	44	Pk	34.2	-24.2	-9.5	44.5	54	-9.5	74	-29.5
4	18.826	41.27	Pk	32.4	-25	-9.5	39.17	54	-14.83	74	-34.83
5	20.784	41.6	Pk	32.7	-24.8	-9.5	40	54	-14	74	-34
6	23.895	43.3	Pk	33.5	-23.8	-9.5	43.5	54	-10.5	74	-30.5

Pk - Peak detector

10. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

RSS-Gen 8.8

Frequency of Emission (MHz)	Conducted Limit (dBuV)	
	Quasi-peak	Average
0.15-0.5	66 to 56	56 to 46
0.5-5	56	46
5-30	60	50

* Decreases with the logarithm of the frequency.

TEST PROCEDURE

The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.4.

The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

Line conducted data is recorded for both NEUTRAL and HOT lines.

RESULTS

LINE 1 RESULTS

6 WORST EMISSIONS

Range 1: Line-L1 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L1	LC Cables 1&3	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	Margin (dB)	CFR 47 Part 15 Class B Avg	Margin (dB)
1	.438	42.56	Pk	.4	0	42.96	57.1	-14.14	-	-
2	.4425	35.8	Av	.4	0	36.2	-	-	47.01	-10.81
3	2.328	35.51	Pk	.2	.1	35.81	56	-20.19	-	-
4	2.337	21.48	Av	.2	.1	21.78	-	-	46	-24.22
5	7.728	39.4	Pk	.2	.1	39.7	60	-20.3	-	-
6	7.7325	23.89	Av	.2	.1	24.19	-	-	50	-25.81

Pk - Peak detector

Av - Average detection

Range 1: Line-L1 .15 - 30MHz

Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L1	LC Cables 1&3	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	Margin (dB)	CFR 47 Part 15 Class B Avg	Margin (dB)
.43913	36.48	Ca	.4	0	36.88	-	-	47.08	-10.2
.44138	37.08	Ca	.4	0	37.48	-	-	47.04	-9.56
2.32913	18.57	Ca	.2	.1	18.87	-	-	46	-27.13
2.33813	21.35	Ca	.2	.1	21.65	-	-	46	-24.35
7.72688	22.53	Ca	.2	.1	22.83	-	-	50	-27.17
7.73363	24.12	Ca	.2	.1	24.42	-	-	50	-25.58

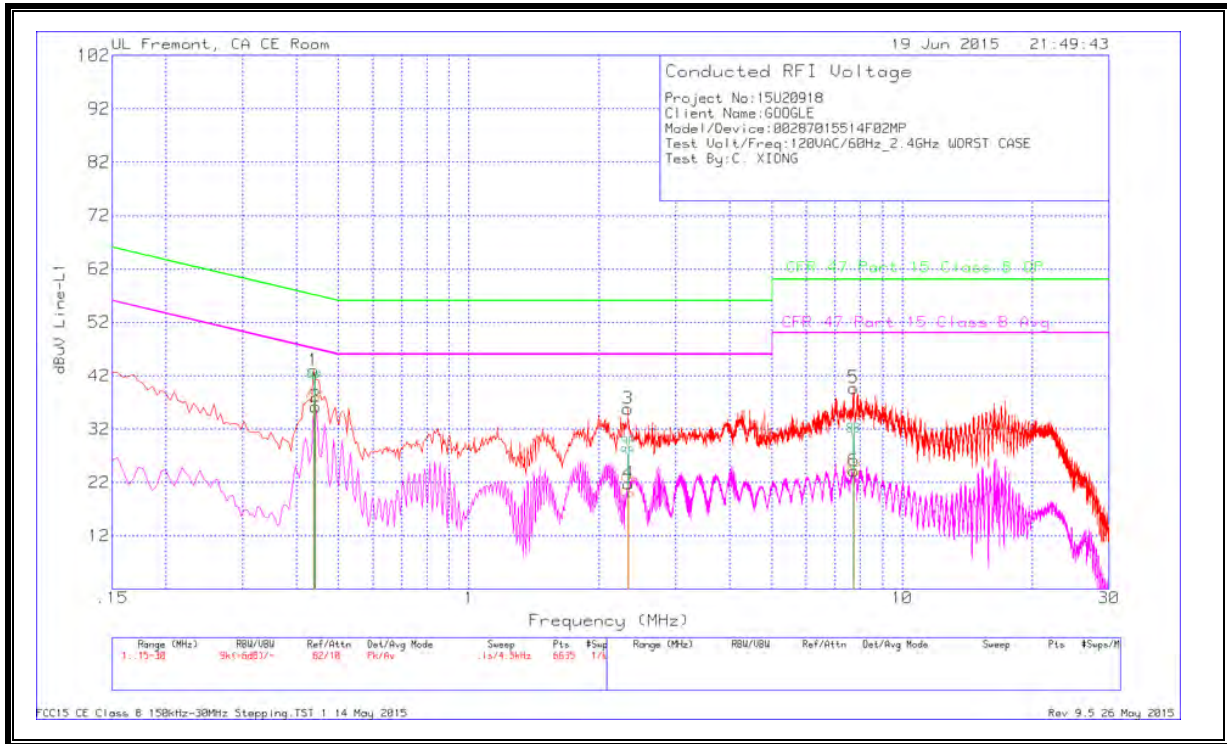
Ca - CISPR average detection

Range 1: Line-L1 .15 - 30MHz

Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L1	LC Cables 1&3	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	Margin (dB)	CFR 47 Part 15 Class B Avg	Margin (dB)
.43913	40.66	Qp	.4	0	41.06	57.08	-16.02	-	-
.44138	41.03	Qp	.4	0	41.43	57.04	-15.61	-	-
2.32913	26.95	Qp	.2	.1	27.25	56	-28.75	-	-
2.33813	28.92	Qp	.2	.1	29.22	56	-26.78	-	-
7.72688	30.56	Qp	.2	.1	30.86	60	-29.14	-	-
7.73363	31.43	Qp	.2	.1	31.73	60	-28.27	-	-

Qp - Quasi-Peak detector

LINE 1 RESULTS



LINE 2 RESULTS

6 WORST EMISSIONS

Range 2: Line-L2 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L2	LC Cables 2&3	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	Margin (dB)	CFR 47 Part 15 Class B Avg	Margin (dB)
7	.438	38.51	Pk	.4	0	38.91	57.1	-18.19	-	-
8	.4425	28.97	Av	.4	0	29.37	-	-	47.01	-17.64
9	2.157	36.32	Pk	.2	.1	36.62	56	-19.38	-	-
10	2.175	24.12	Av	.2	.1	24.42	-	-	46	-21.58
11	4.65	38.01	Pk	.2	.1	38.31	56	-17.69	-	-
12	4.65	23.18	Av	.2	.1	23.48	-	-	46	-22.52

Pk - Peak detector

Av - Average detection

Range 2: Line-L2 .15 - 30MHz

Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L2	LC Cables 2&3	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	Margin (dB)	CFR 47 Part 15 Class B Avg	Margin (dB)
.43868	30.5	Ca	.4	0	30.9	-	-	47.09	-16.19
.44318	26.56	Ca	.4	0	26.96	-	-	47	-20.04
2.15768	23.27	Ca	.2	.1	23.57	-	-	46	-22.43
2.17568	23.71	Ca	.2	.1	24.01	-	-	46	-21.99
4.65113	18.06	Ca	.2	.1	18.36	-	-	46	-27.64

Ca - CISPR average detection

Range 2: Line-L2 .15 - 30MHz

Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L2	LC Cables 2&3	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	Margin (dB)	CFR 47 Part 15 Class B Avg	Margin (dB)
.43868	34.02	Qp	.4	0	34.42	57.09	-22.67	-	-
.44318	34.18	Qp	.4	0	34.58	57	-22.42	-	-
2.15768	29.41	Qp	.2	.1	29.71	56	-26.29	-	-
2.17568	28.83	Qp	.2	.1	29.13	56	-26.87	-	-
4.65113	26.14	Qp	.2	.1	26.44	56	-29.56	-	-

Qp - Quasi-Peak detector

LINE 2 RESULTS

