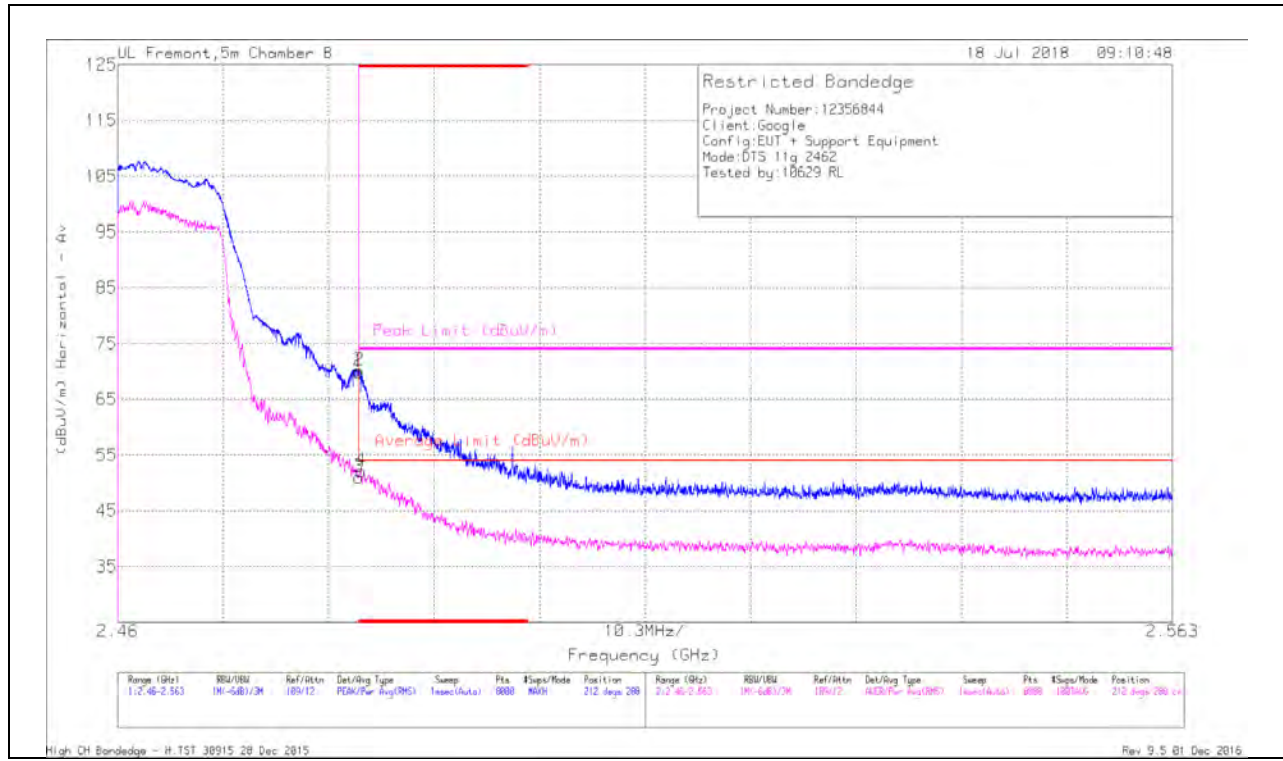


BANDEDGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (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	58.75	Pk	32.6	-21.5	69.85	-	-	74	-4.15	212	288	H
2	* 2.484	59.08	Pk	32.6	-21.5	70.18	-	-	74	-3.82	212	288	H
3	* 2.484	39.9	RMS	32.6	-21.5	51	54	-3	-	-	212	288	H
4	* 2.484	41.02	RMS	32.6	-21.5	52.12	54	-1.88	-	-	212	288	H

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

Pk - Peak detector

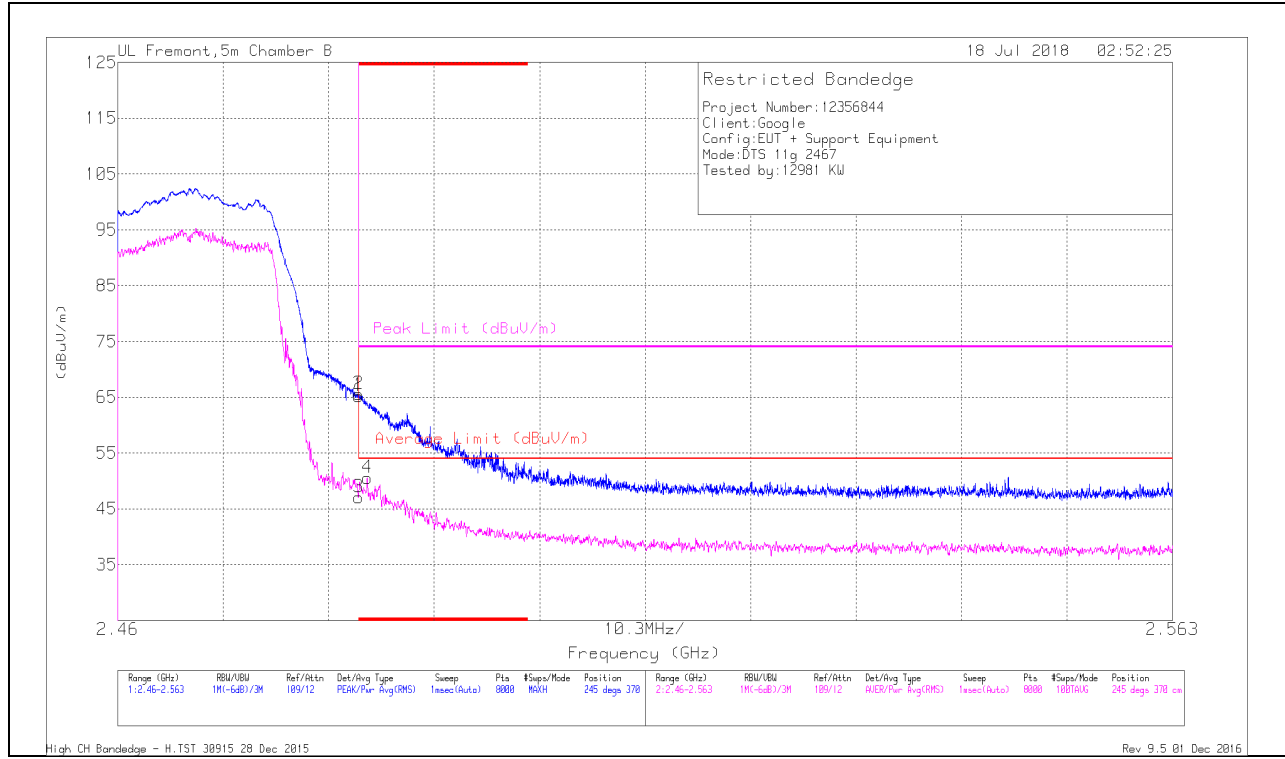
RMS - RMS detection

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	Amp/CbU/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	58.86	Pk	32.6	-21.5	69.96	-	-	74	-4.04	251	145	V
2	* 2.484	59.33	Pk	32.6	-21.5	70.43	-	-	74	-3.57	251	145	V
3	* 2.484	39.53	RMS	32.6	-21.5	50.63	54	-3.37	-	-	251	145	V
4	* 2.484	41.06	RMS	32.6	-21.5	52.16	54	-1.84	-	-	251	145	V

Pk - Peak detector
RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 12)

HORIZONTAL RESULT



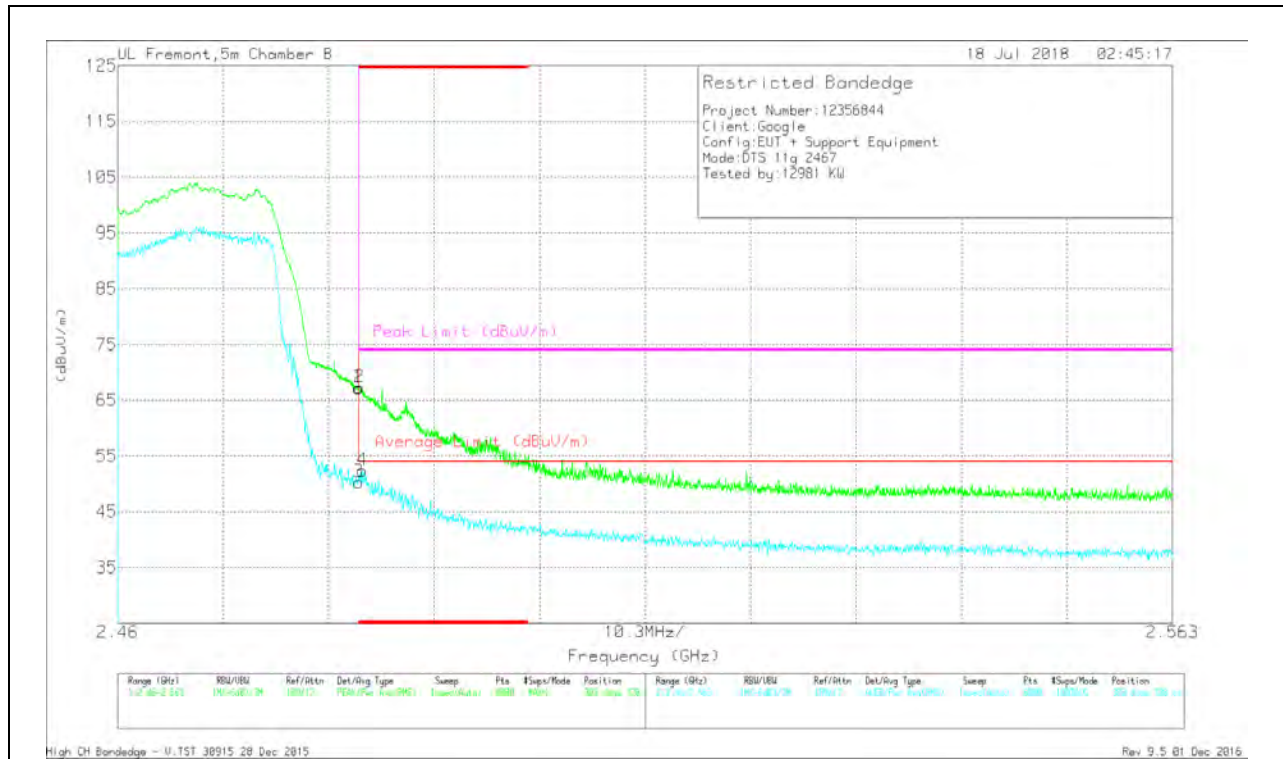
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	54.15	Pk	32.6	-21.5	65.25	-	-	74	-8.75	245	370	H
2	* 2.484	54.41	Pk	32.6	-21.5	65.51	-	-	74	-8.49	245	370	H
3	* 2.484	35.96	RMS	32.6	-21.5	47.06	54	-6.94	-	-	245	370	H
4	* 2.484	39.49	RMS	32.6	-21.5	50.59	54	-3.41	-	-	245	370	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	Amp/Cb/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	56.08	Pk	32.6	-21.5	67.18	-	-	74	-6.82	303	328	V
2	* 2.484	56.19	Pk	32.6	-21.5	67.29	-	-	74	-6.71	303	328	V
3	* 2.484	39.19	RMS	32.6	-21.5	50.29	54	-3.71	-	-	303	328	V
4	* 2.484	41.35	RMS	32.6	-21.5	52.45	54	-1.55	-	-	303	328	V

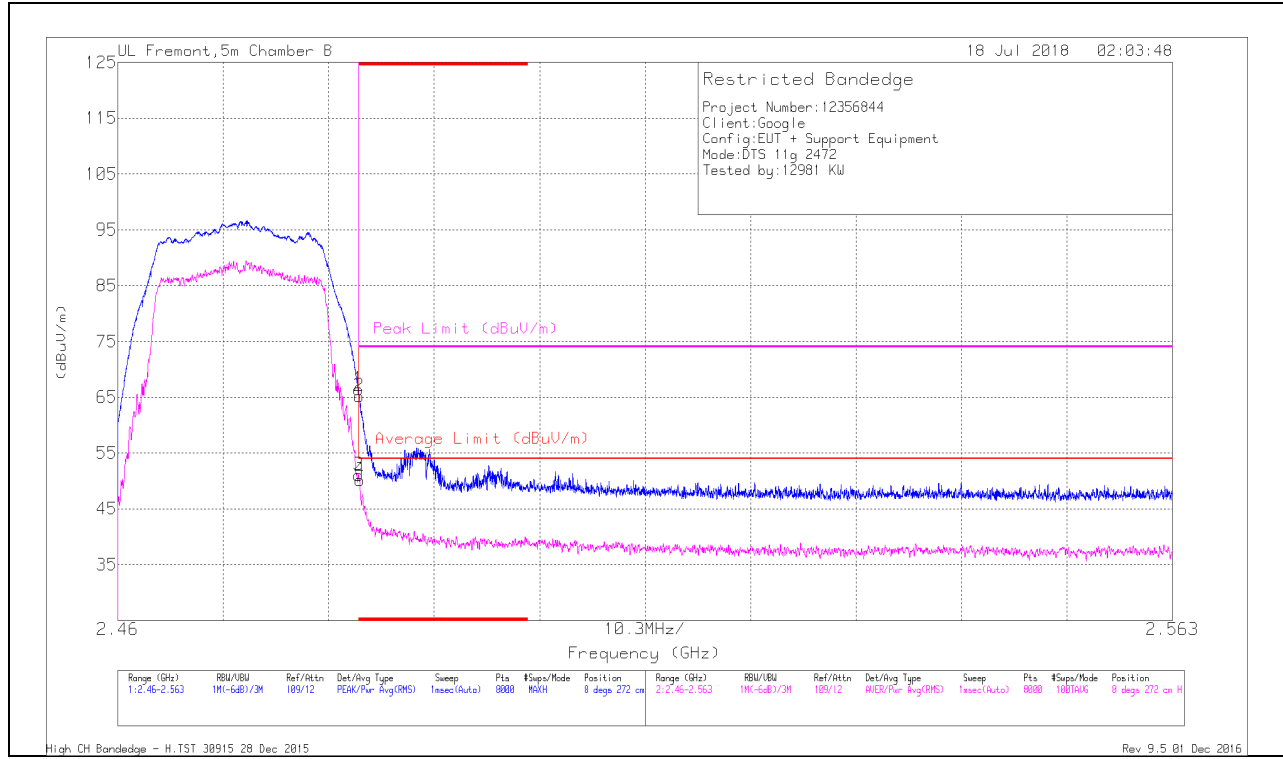
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 13)

HORIZONTAL RESULT



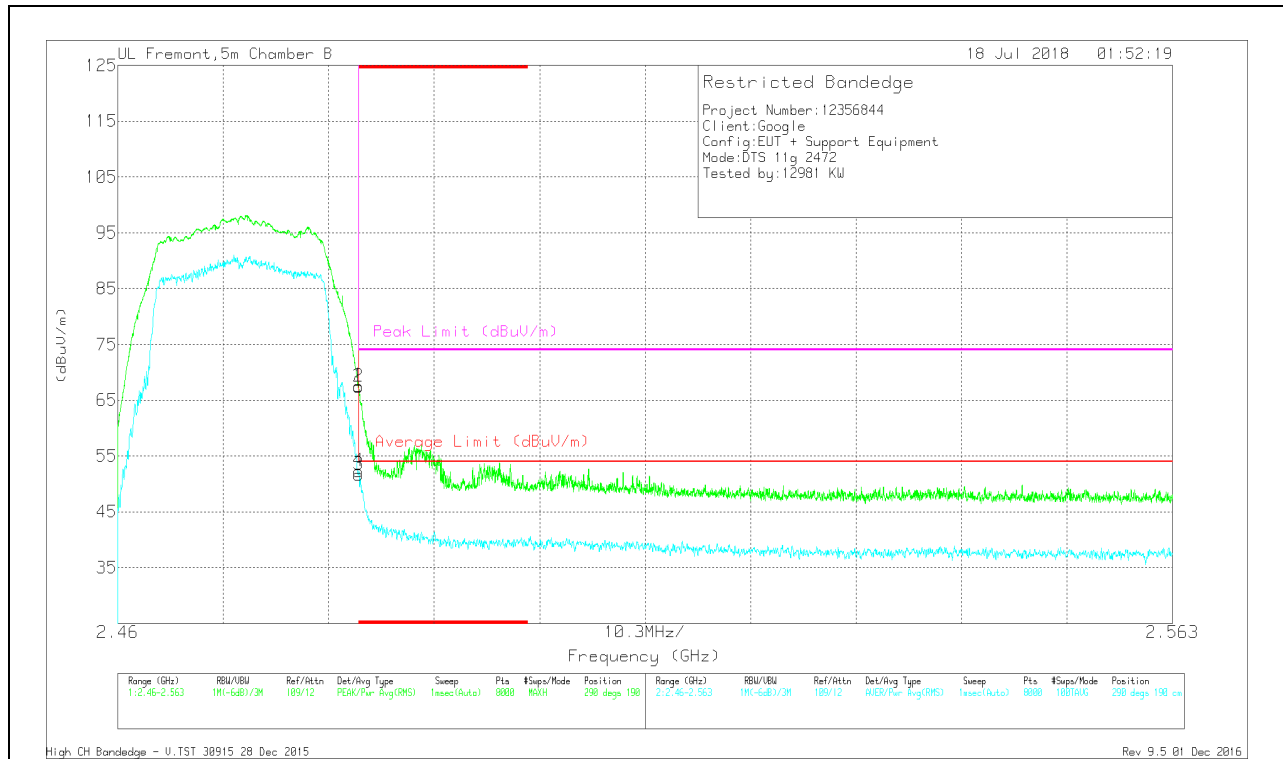
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	55.29	Pk	32.6	-21.5	66.39	-	-	74	-7.61	8	272	H
2	* 2.484	54.04	Pk	32.6	-21.5	65.14	-	-	74	-8.86	8	272	H
3	* 2.484	39.95	RMS	32.6	-21.5	51.05	54	-2.95	-	-	8	272	H
4	* 2.484	39.06	RMS	32.6	-21.5	50.16	54	-3.84	-	-	8	272	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	Amp/Cb/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	56.48	Pk	32.6	-21.5	67.58	-	-	74	-6.42	290	190	V
2	* 2.484	56.32	Pk	32.6	-21.5	67.42	-	-	74	-6.58	290	190	V
3	* 2.484	40.56	RMS	32.6	-21.5	51.66	54	-2.34	-	-	290	190	V
4	* 2.484	41.17	RMS	32.6	-21.5	52.27	54	-1.73	-	-	290	190	V

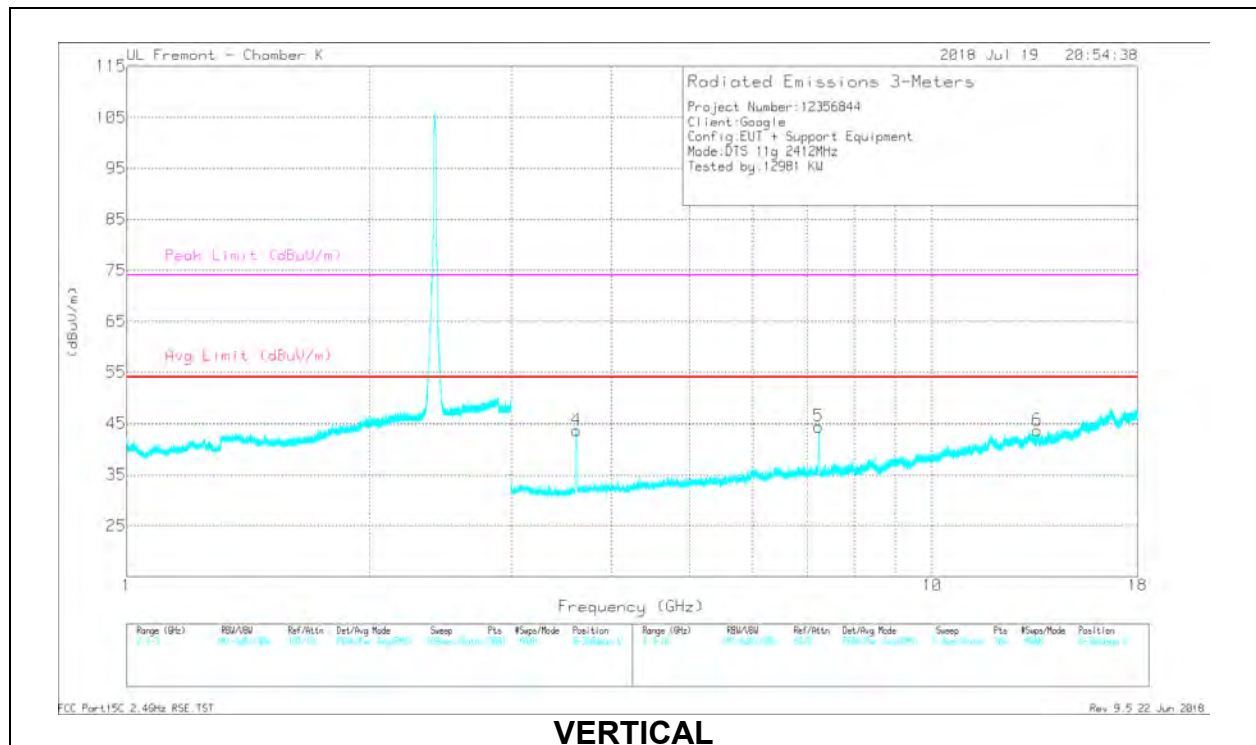
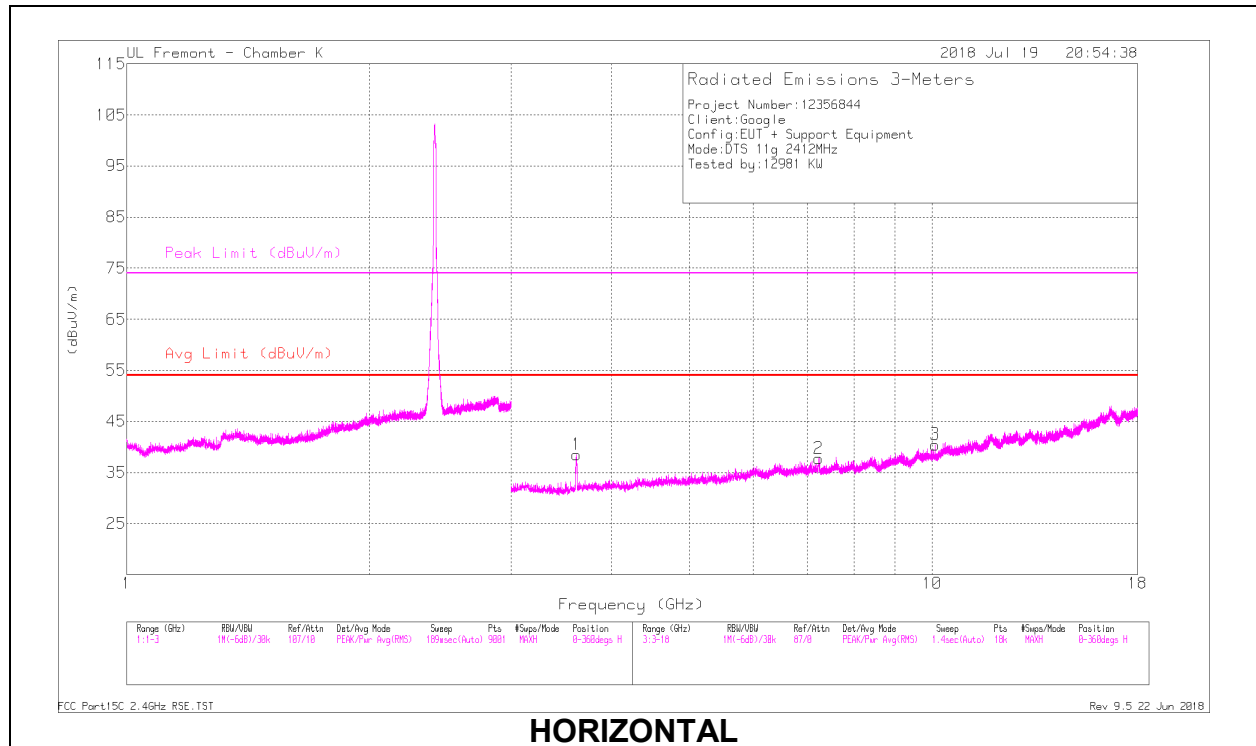
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL, CH 1 RESULTS



RADIATED EMISSIONS

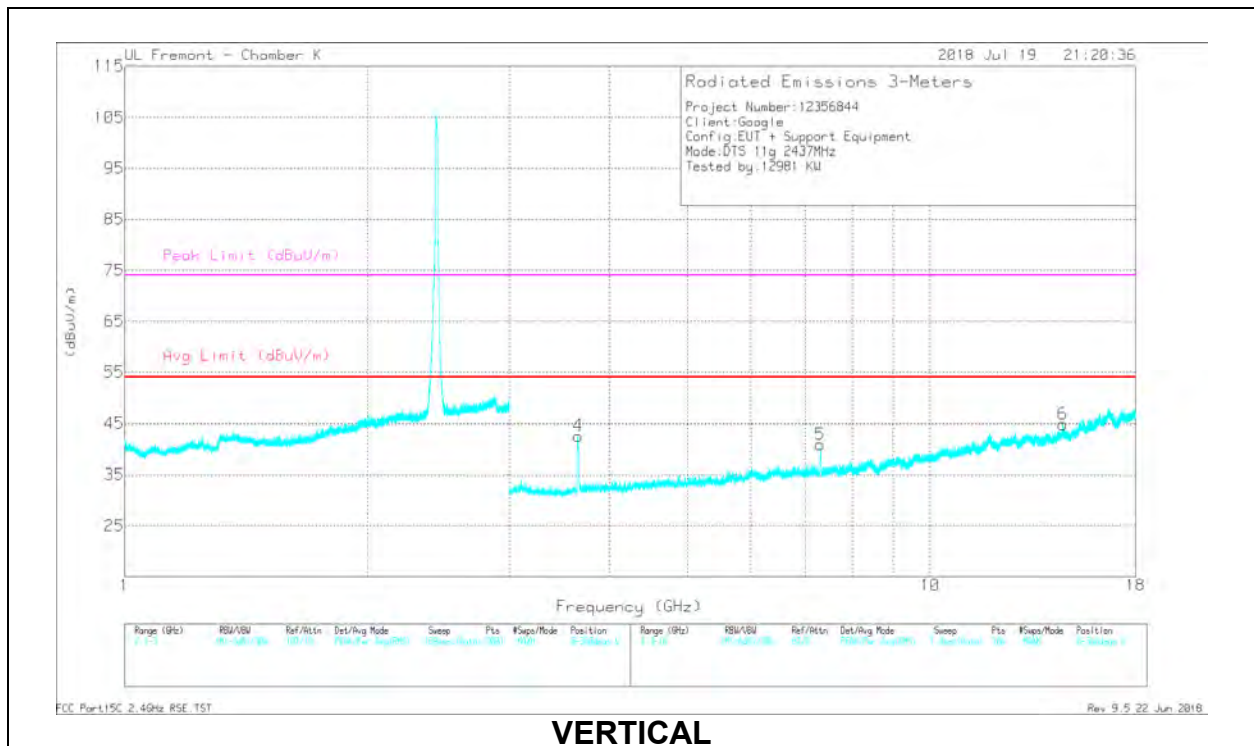
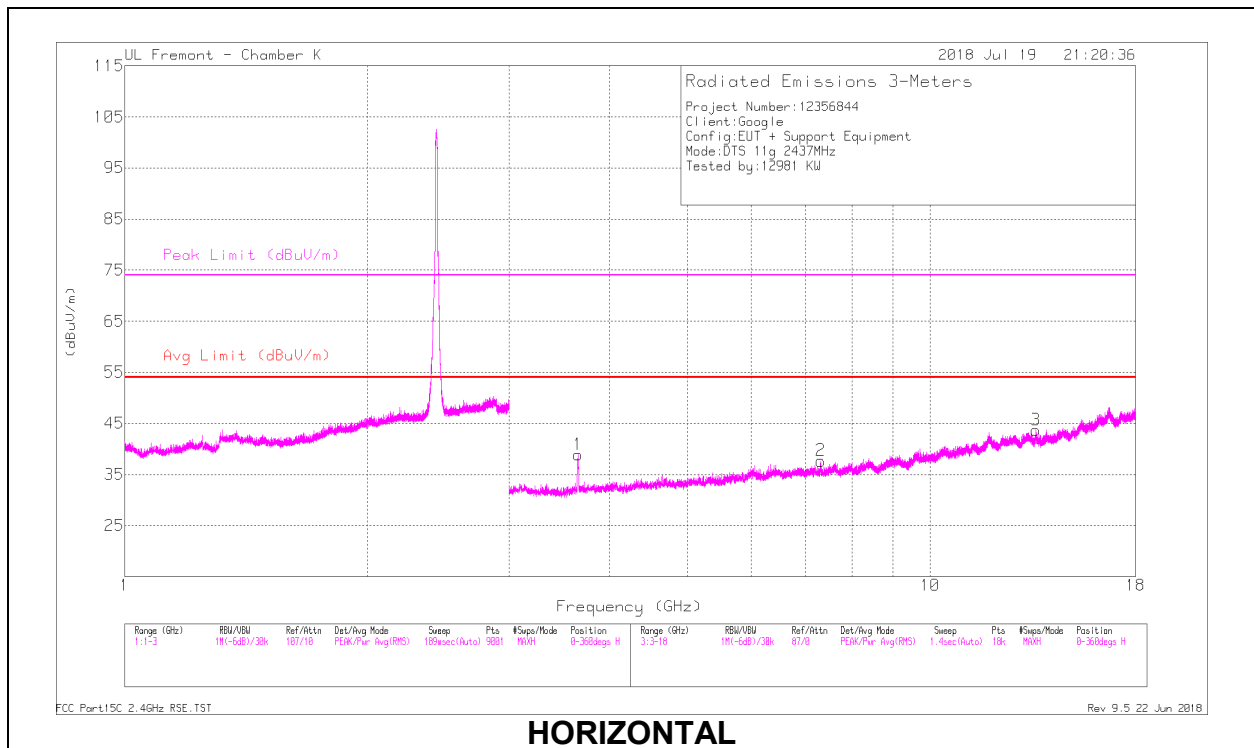
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.618	45.8	PK2	33	-32.2	46.6	-	-	74	-27.4	120	315	H
* 3.619	36.96	MAv1	33	-32.2	37.76	54	-16.24	-	-	120	315	H
* 3.619	50.38	PK2	33	-32.3	51.08	-	-	74	-22.92	139	108	V
* 3.62	42.33	MAv1	33	-32.3	43.03	54	-10.97	-	-	139	108	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL, CH 6 RESULTS



RADIATED EMISSIONS

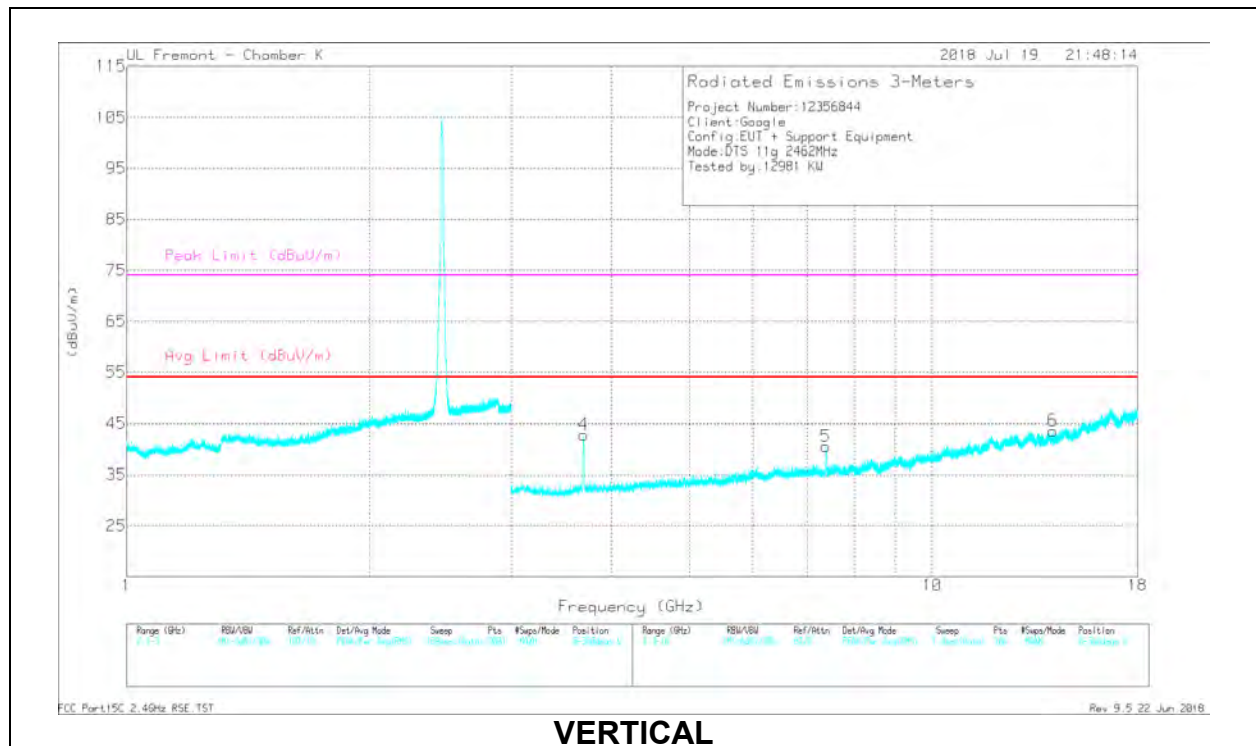
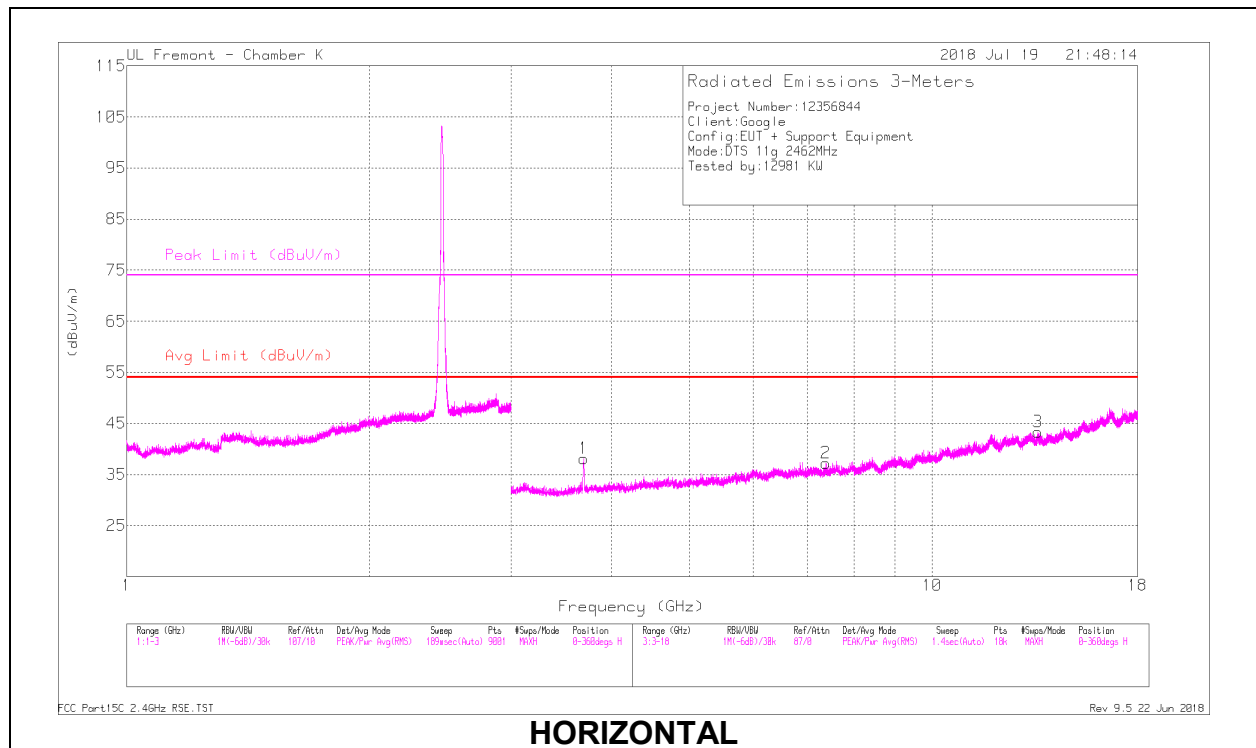
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degr)	Height (cm)	Polarity
* 3.654	45.51	PK2	32.9	-32.1	46.31	-	-	74	-27.69	100	198	H
* 3.656	38.29	MAv1	33	-32	39.29	54	-14.71	-	-	100	198	H
* 7.312	37.91	PK2	35.5	-26.3	47.11	-	-	74	-26.89	166	170	H
* 7.314	27.82	MAv1	35.5	-26.3	37.02	54	-16.98	-	-	166	170	H
* 3.652	50.75	PK2	32.9	-32.2	51.45	-	-	74	-22.55	140	130	V
* 3.655	42.14	MAv1	32.9	-32.1	42.94	54	-11.06	-	-	140	130	V
* 7.309	42.6	PK2	35.5	-26.3	51.8	-	-	74	-22.2	214	231	V
* 7.309	31.72	MAv1	35.5	-26.3	40.92	54	-13.08	-	-	214	231	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL, CH 11 RESULTS



RADIATED EMISSIONS

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (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 (Degr)	Height (cm)	Polarity
* 3.693	46.44	PK2	33.1	-32	47.54	-	-	74	-26.46	121	193	H
* 3.694	37.77	MAv1	33.1	-32	38.87	54	-15.13	-	-	121	193	H
* 7.385	35.03	PK2	35.5	-26.5	44.03	-	-	74	-29.97	188	178	H
* 7.383	25.57	MAv1	35.5	-26.5	34.57	54	-19.43	-	-	188	178	H
* 3.692	48.91	PK2	33.1	-32	50.01	-	-	74	-23.99	121	170	V
* 3.692	41.24	MAv1	33.1	-32	42.34	54	-11.66	-	-	121	170	V
* 7.384	41.79	PK2	35.5	-26.5	50.79	-	-	74	-23.21	219	229	V
* 7.386	31.41	MAv1	35.5	-26.5	40.41	54	-13.59	-	-	219	229	V

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

PK2 - KDB558074 Method: Maximum Peak

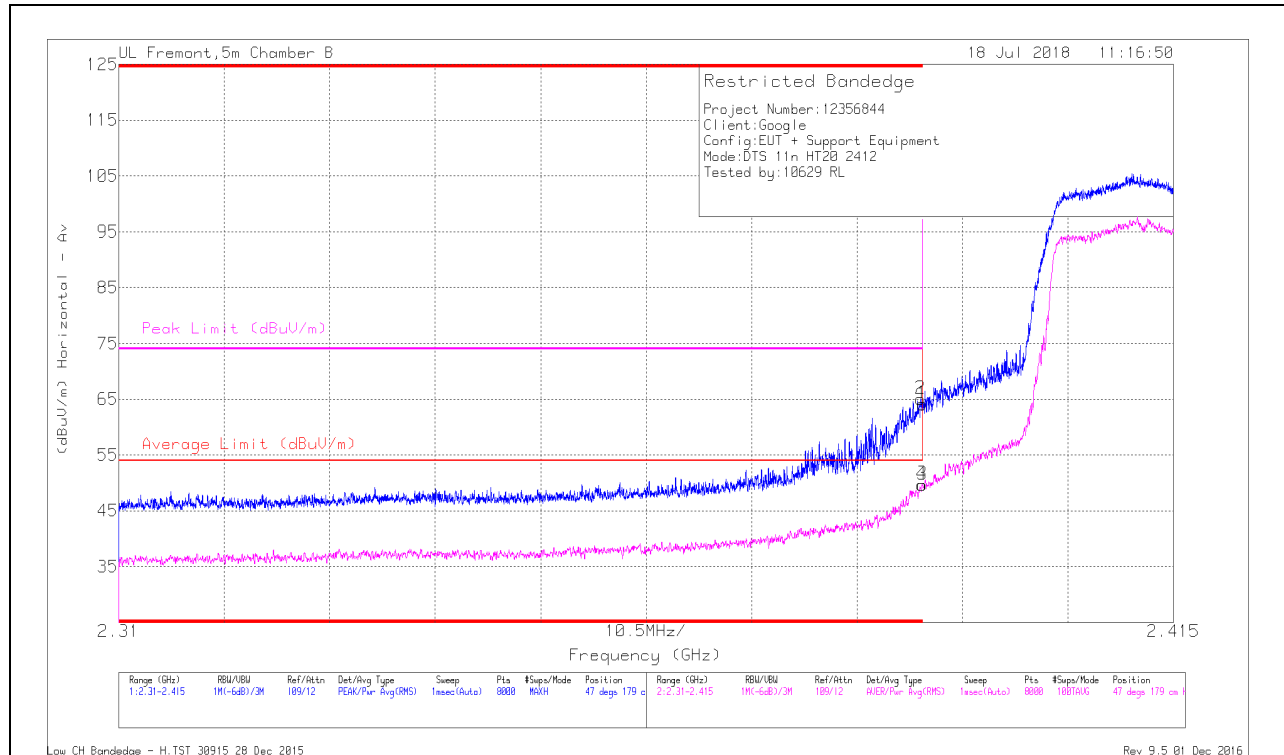
MAv1 - KDB558074 Option 1 Maximum RMS Average

9.1.3. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 2.4 GHz BAND

1TX Antenna 1 MODE

BANDEDGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT



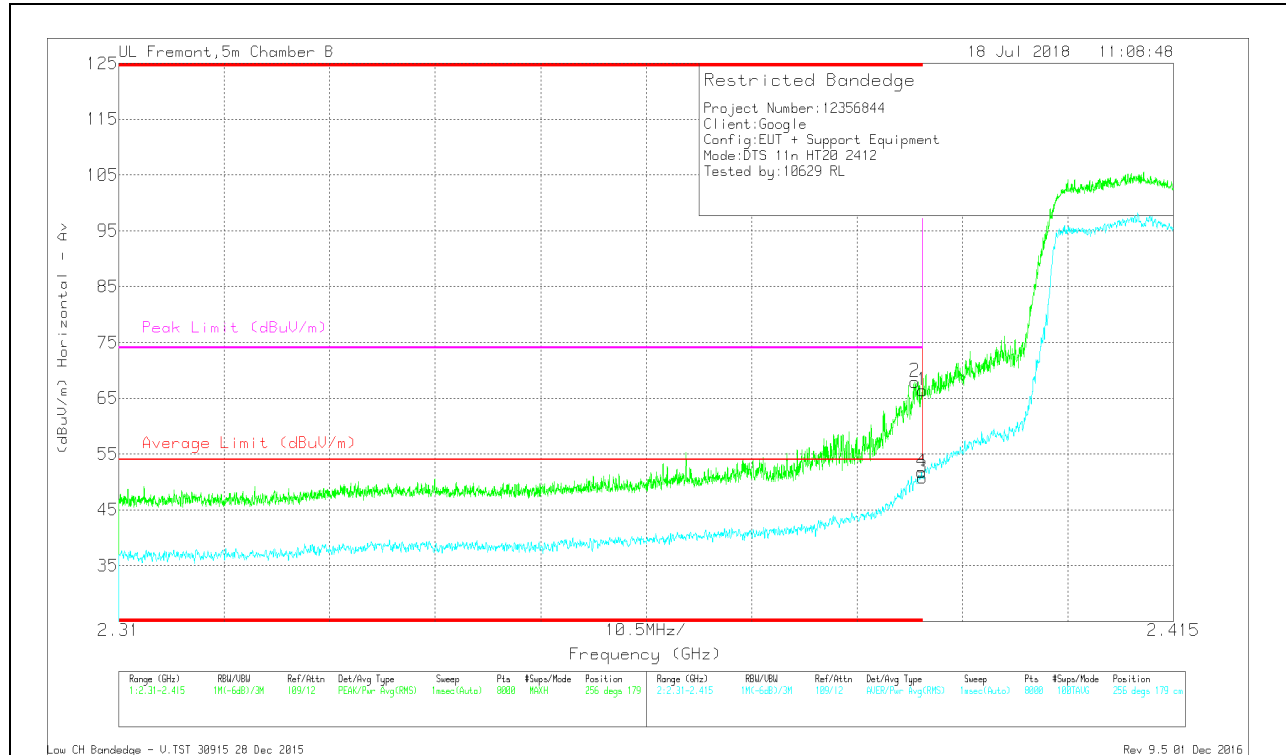
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	53.34	Pk	32.3	-21.5	64.14	-	-	74	-9.86	47	179	H
2	* 2.39	54.21	Pk	32.3	-21.5	65.01	-	-	74	-8.99	47	179	H
3	* 2.39	38.93	RMS	32.3	-21.5	49.73	54	-4.27	-	-	47	179	H
4	* 2.39	38.87	RMS	32.3	-21.5	49.67	54	-4.33	-	-	47	179	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (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
2	* 2.389	57.18	Pk	32.3	-21.5	67.98	-	-	74	-6.02	256	179	V
1	* 2.39	55.66	Pk	32.3	-21.5	66.46	-	-	74	-7.54	256	179	V
3	* 2.39	39.96	RMS	32.3	-21.5	50.76	54	-3.24	-	-	256	179	V
4	* 2.39	41	RMS	32.3	-21.5	51.8	54	-2.2	-	-	256	179	V

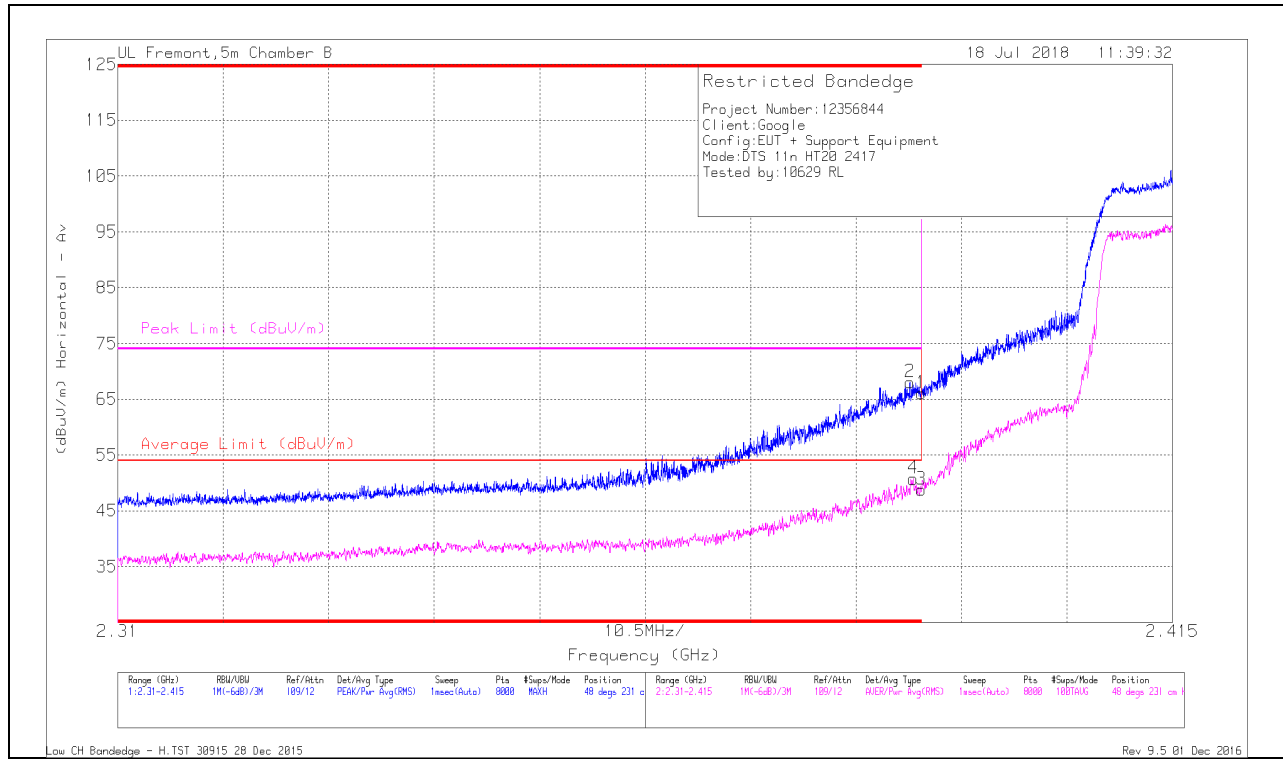
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (LOW CHANNEL, CH 2)

HORIZONTAL RESULT



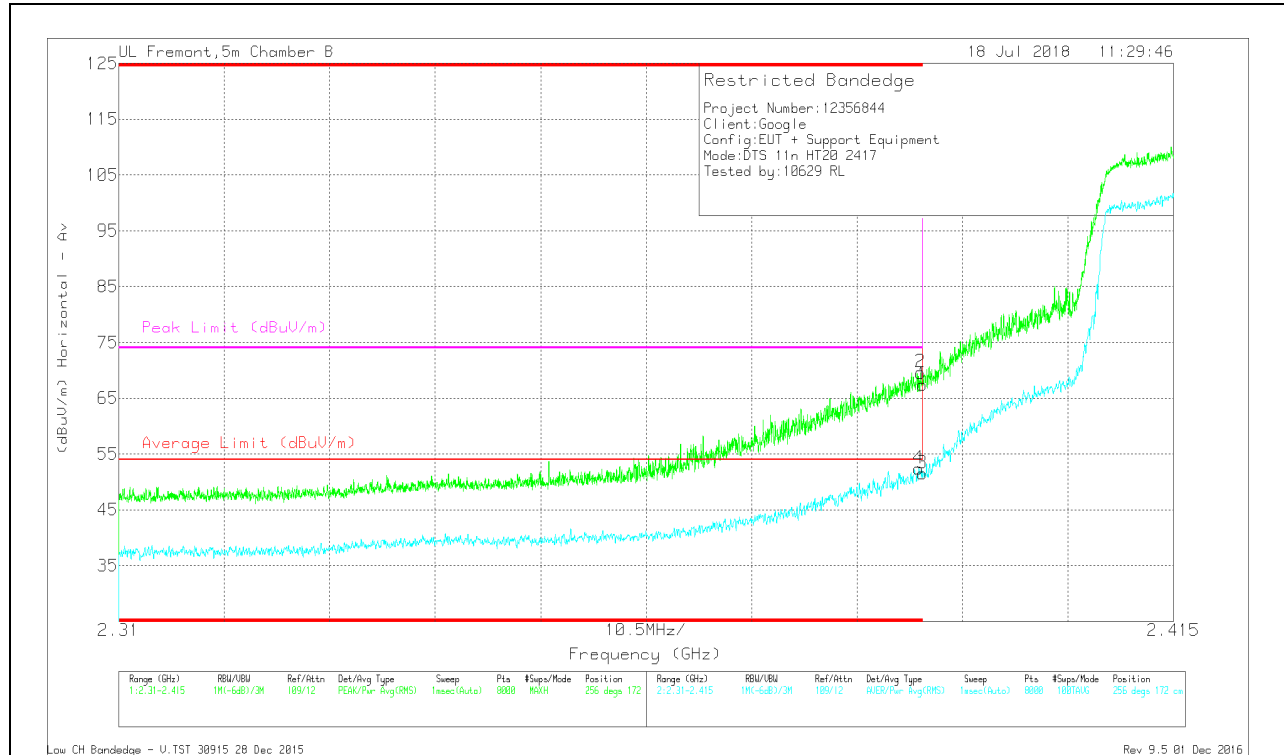
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filt/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	55.24	Pk	32.3	-21.5	66.04	-	-	74	-7.96	48	231	H
2	* 2.389	57.19	Pk	32.3	-21.5	67.99	-	-	74	-6.01	48	231	H
3	* 2.39	38.03	RMS	32.3	-21.5	48.83	54	-5.17	-	-	48	231	H
4	* 2.389	39.93	RMS	32.3	-21.5	50.73	54	-3.27	-	-	48	231	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (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	* 2.39	56.59	Pk	32.3	-21.5	67.39	-	-	74	-6.61	256	172	V
2	* 2.39	58.8	Pk	32.3	-21.5	69.6	-	-	74	-4.4	256	172	V
3	* 2.39	40.7	RMS	32.3	-21.5	51.5	54	-2.5	-	-	256	172	V
4	* 2.39	41.6	RMS	32.3	-21.5	52.4	54	-1.6	-	-	256	172	V

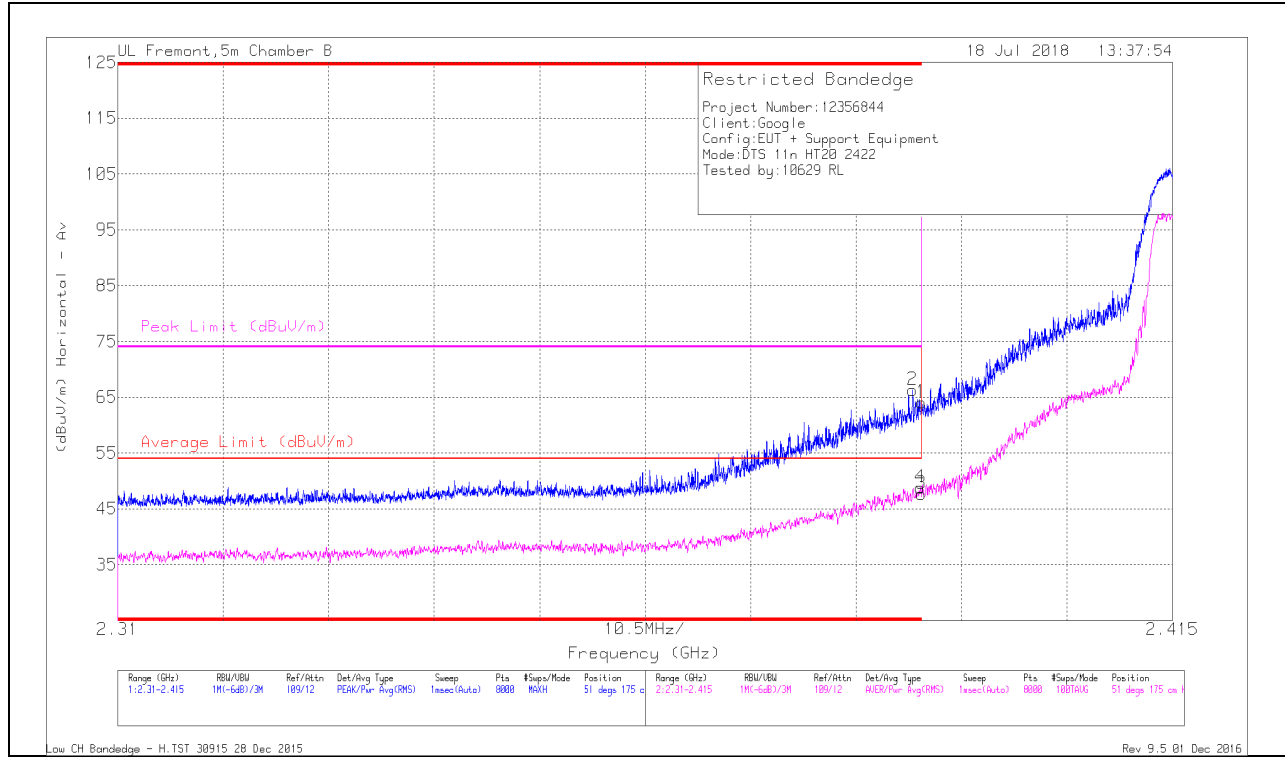
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (LOW CHANNEL, CH 3)

HORIZONTAL RESULT



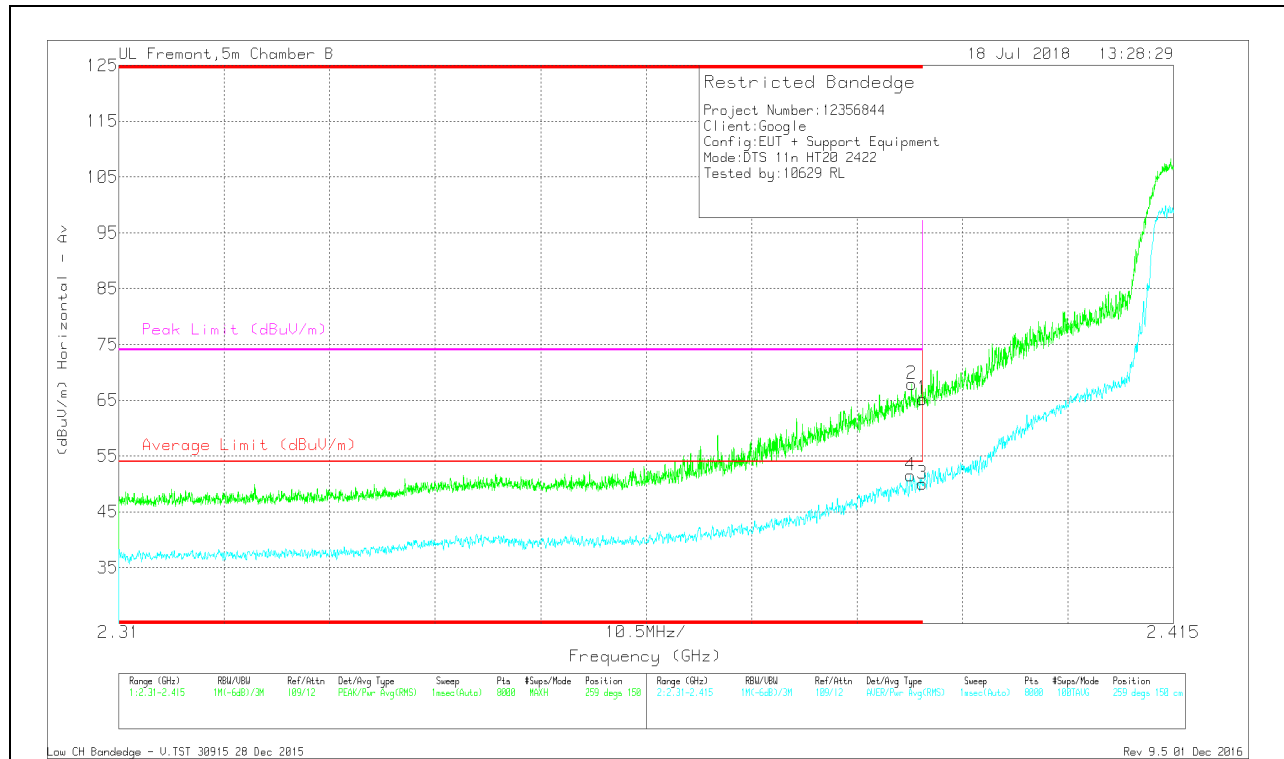
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.389	55.55	Pk	32.3	-21.5	66.35	-	-	74	-7.65	51	175	H
1	* 2.39	53.31	Pk	32.3	-21.5	64.11	-	-	74	-9.89	51	175	H
3	* 2.39	36.9	RMS	32.3	-21.5	47.7	54	-6.3	-	-	51	175	H
4	* 2.39	38.01	RMS	32.3	-21.5	48.81	54	-5.19	-	-	51	175	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBUV)	Det	AF T863 (dBm)	Amp/Cb/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
2	* 2.389	57.14	Pk	32.3	-21.5	67.94	-	-	74	-6.06	259	150	V
4	* 2.389	40.73	RMS	32.3	-21.5	51.53	54	-2.47	-	-	259	150	V
1	* 2.39	54.45	Pk	32.3	-21.5	65.25	-	-	74	-8.75	259	150	V
3	* 2.39	39.22	RMS	32.3	-21.5	50.02	54	-3.98	-	-	259	150	V

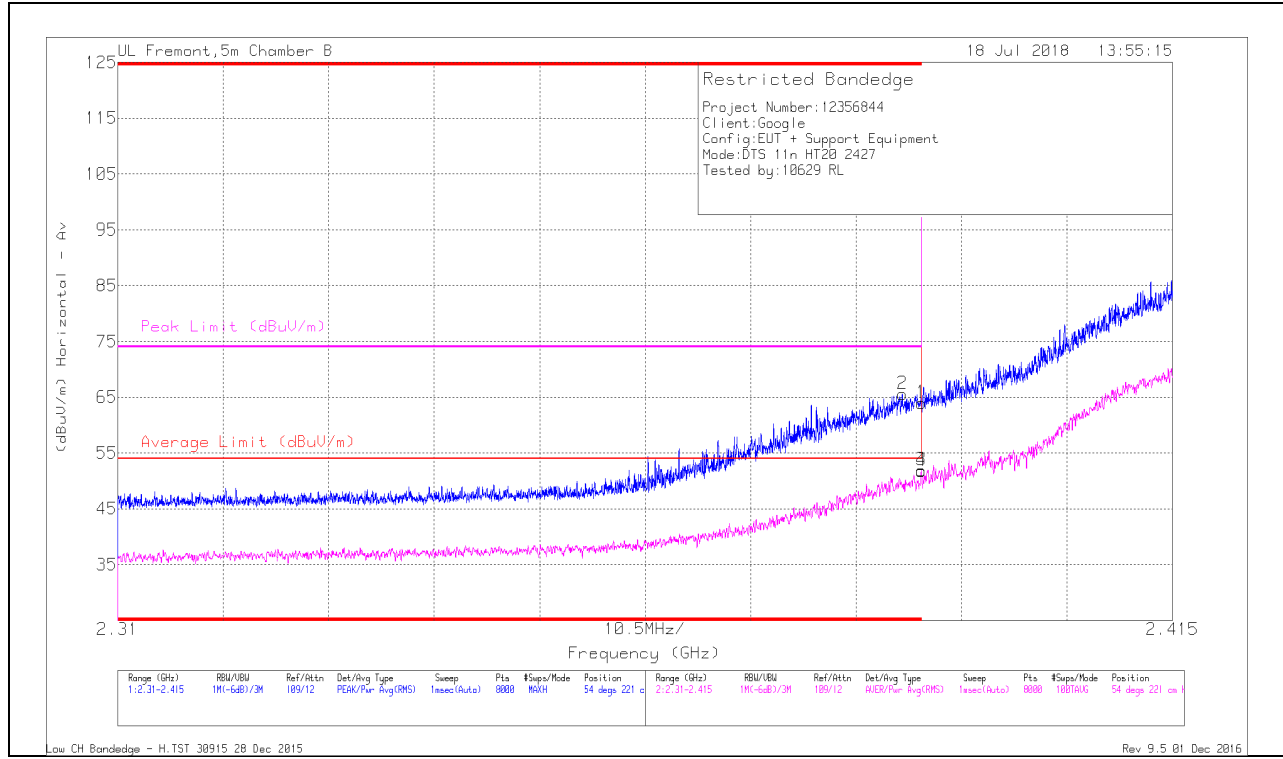
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (LOW CHANNEL, CH 4)

HORIZONTAL RESULT



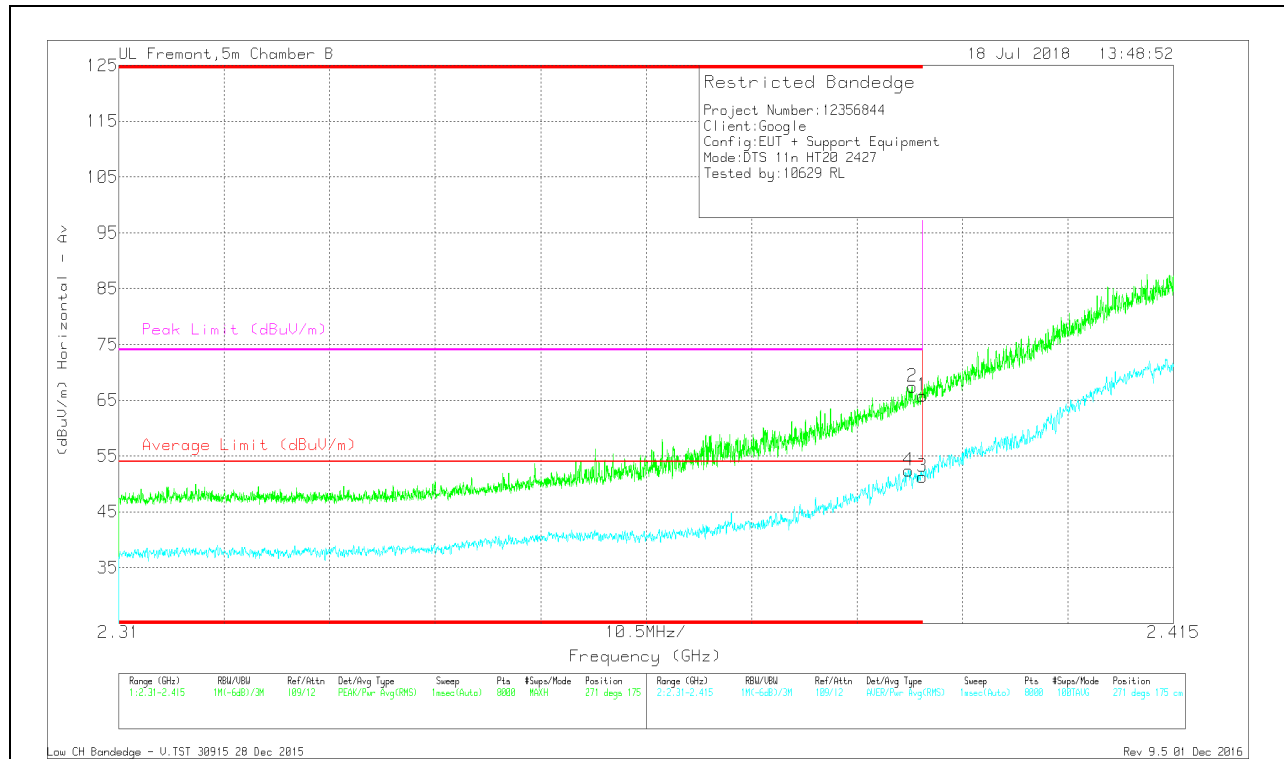
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.388	54.79	Pk	32.3	-21.5	65.59	-	-	74	-8.41	54	221	H
1	* 2.39	53.12	Pk	32.3	-21.5	63.92	-	-	74	-10.08	54	221	H
3	* 2.39	41.11	RMS	32.3	-21.5	51.91	54	-2.09	-	-	54	221	H
4	* 2.39	41	RMS	32.3	-21.5	51.8	54	-2.2	-	-	54	221	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	Amp/Cb/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
2	* 2.389	56.58	Pk	32.3	-21.5	67.38	-	-	74	-6.62	271	175	V
4	* 2.389	41.61	RMS	32.3	-21.5	52.41	54	-1.59	-	-	271	175	V
1	* 2.39	54.98	Pk	32.3	-21.5	65.78	-	-	74	-8.22	271	175	V
3	* 2.39	40.53	RMS	32.3	-21.5	51.33	54	-2.67	-	-	271	175	V

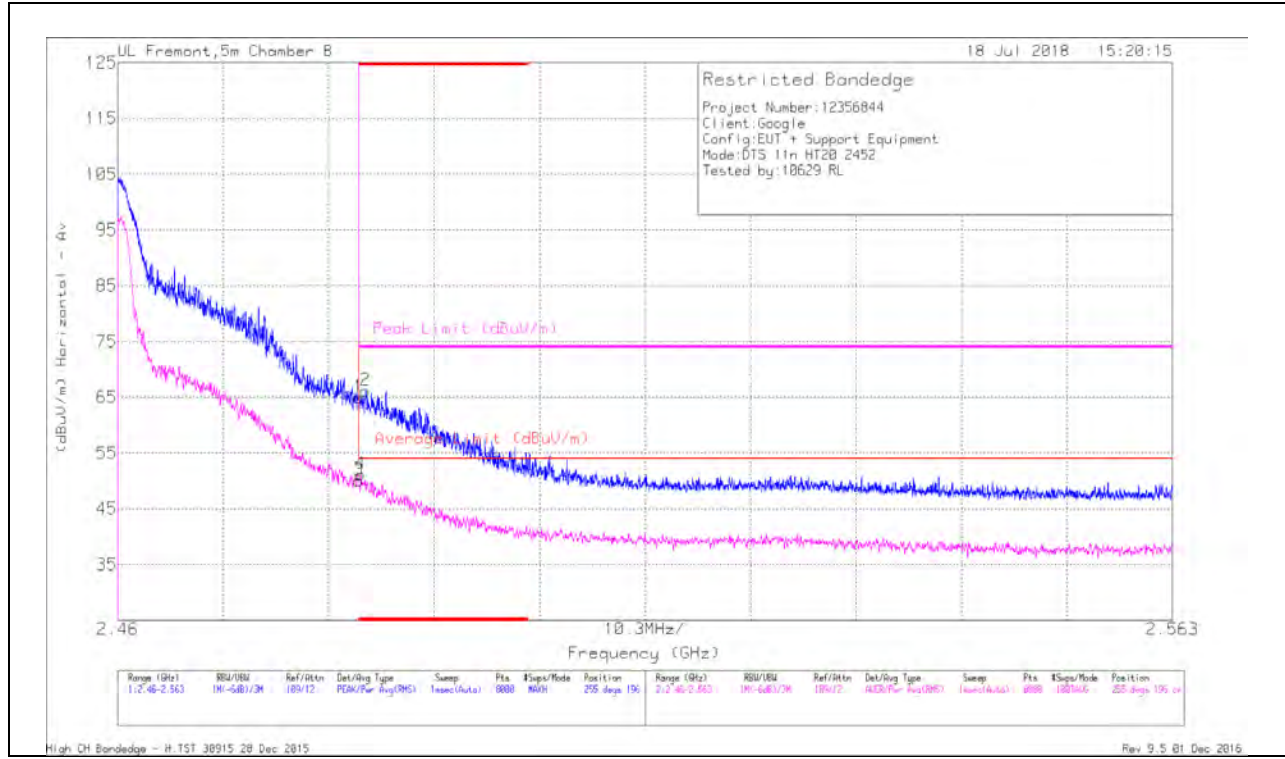
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 9)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (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	53.84	Pk	32.6	-21.5	64.94	-	-	74	-9.06	255	196	H
2	* 2.484	55.12	Pk	32.6	-21.5	66.22	-	-	74	-7.78	255	196	H
3	* 2.484	38.93	RMS	32.6	-21.5	50.03	54	-3.97	-	-	255	196	H
4	* 2.484	40.02	RMS	32.6	-21.5	51.12	54	-2.88	-	-	255	196	H

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

Pk - Peak detector

RMS - RMS detection

UL Fremont, 5m Chamber B

18 Jul 2018 15:08:56

Restricted Bandedge

Project Number: 12356844

Client: Google

Config: EUT + Support Equipment

Mode: DTS 11n HT20 2452

Tested by: 10629 RL

CdBUV/m Horizontal - Av

Peak Limit (dBuV/m)

Average Limit (dBuV/m)

Frequency (GHz)

10.3MHz/

2.46 2.563

Range (GHz)	RSL/URL	Ref/Attn	Det/Avg Type	Sweep	Pls	#Spts/Mode	Position	Range (GHz)	RSL/URL	Ref/Attn	Det/Avg Type	Sweep	Pls	#Spts/Mode	Position
2.46-2.563	100dBm/20	100dB/12	Peak/Avg	Fast/Normal	10000	10000	275 dBm/12	2.46-2.563	100dBm/20	100dB/12	Peak/Avg	Fast/Normal	10000	10000	275 dBm/12

High CH Bandedge - U.TST 30915 20 Dec 2015

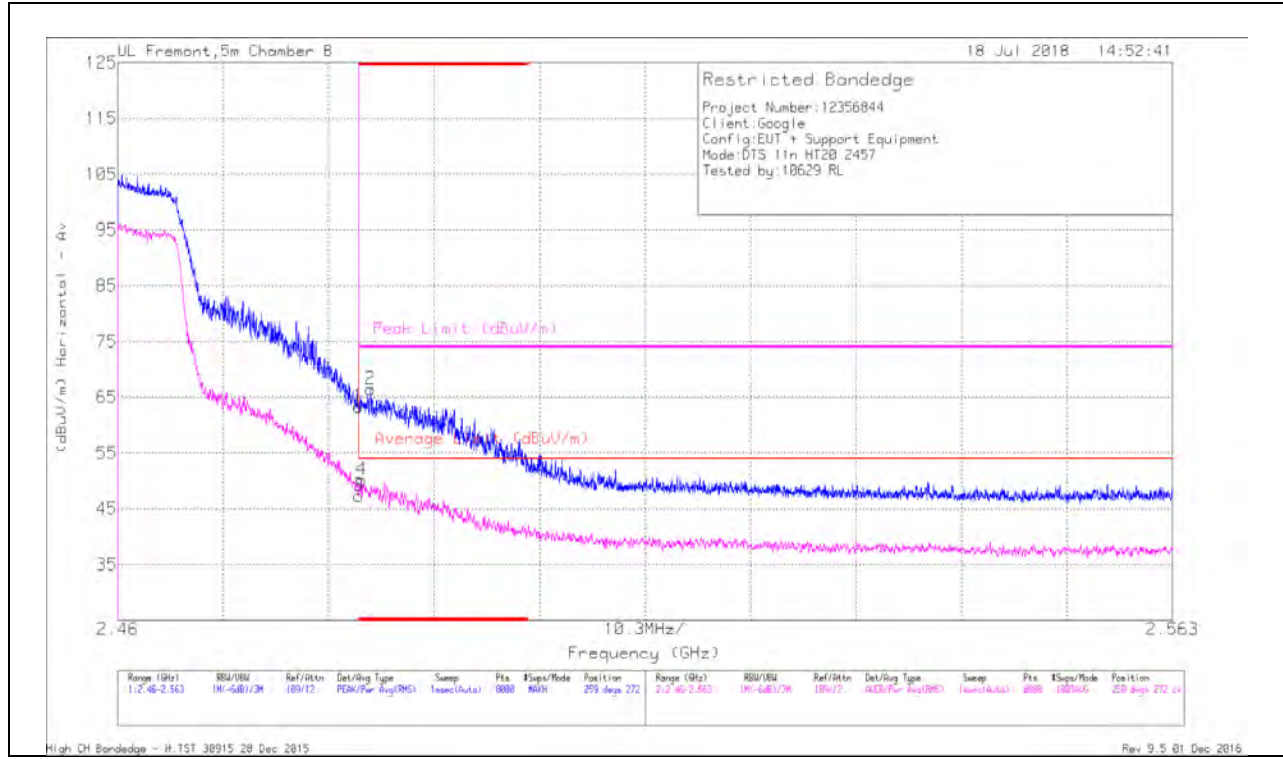
Rev 9.5 01 Dec 2016

Marker	Frequency (GHz)	Motor Reading (dBuV)	Det	AF T863 (dBm)	Amp/CbU/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	53.77	Pk	32.6	-21.5	64.87	-	-	74	-9.13	273	152	V
2	* 2.484	56.68	Pk	32.6	-21.5	67.78	-	-	74	-6.22	273	152	V
3	* 2.484	39.09	RMS	32.6	-21.5	50.19	54	-3.81	-	-	273	152	V
4	* 2.484	40.68	RMS	32.6	-21.5	51.78	54	-2.22	-	-	273	152	V

Pk - Peak detector
RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 10)

HORIZONTAL RESULT



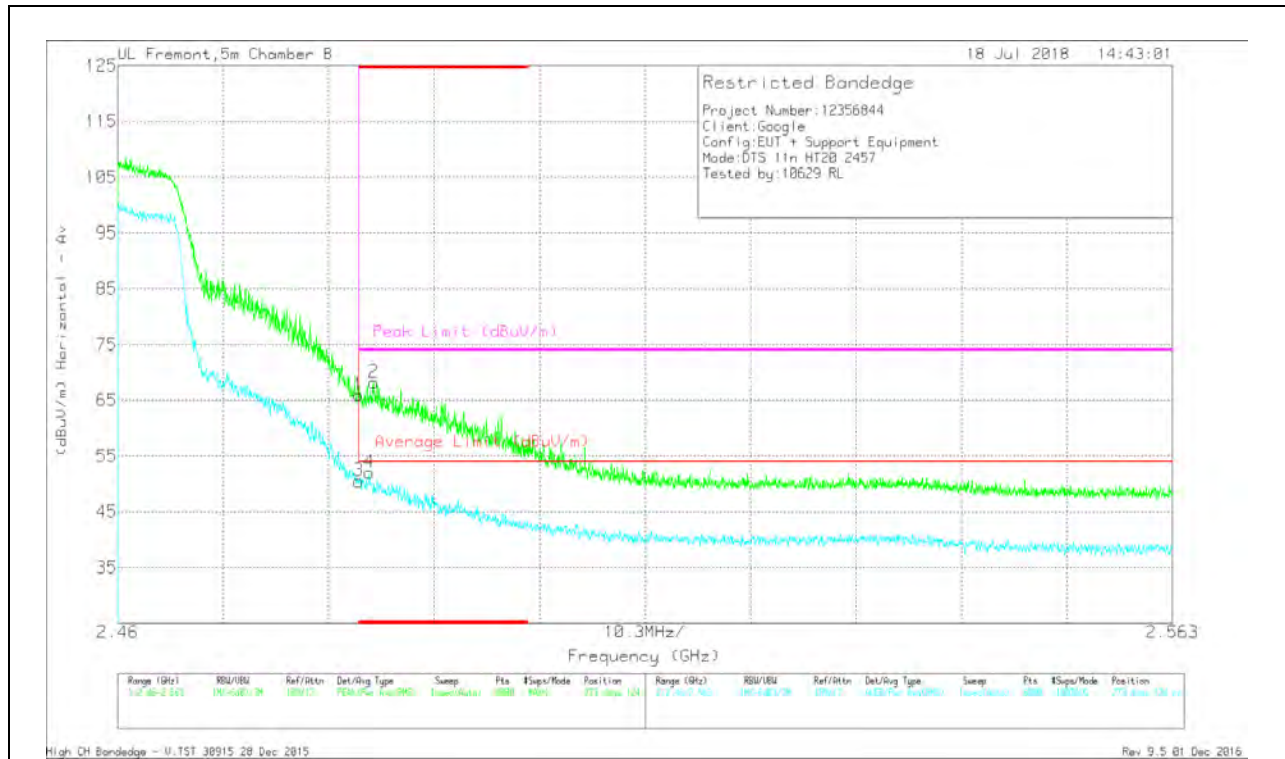
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	52.28	Pk	32.6	-21.5	63.38	-	-	74	-10.62	259	272	H
3	* 2.484	36.23	RMS	32.6	-21.5	47.33	54	-6.67	-	-	259	272	H
4	* 2.484	39.07	RMS	32.6	-21.5	50.17	54	-3.83	-	-	259	272	H
2	* 2.485	55.31	Pk	32.6	-21.5	66.41	-	-	74	-7.59	259	272	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	Ampl/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	54.84	Pk	32.6	-21.5	65.94	-	-	74	-8.06	273	124	V
3	* 2.484	39.38	RMS	32.6	-21.5	50.48	54	-3.52	-	-	273	124	V
2	* 2.485	57.11	Pk	32.6	-21.5	68.21	-	-	74	-5.79	273	124	V
4	* 2.485	40.9	RMS	32.6	-21.5	52	54	-2	-	-	273	124	V

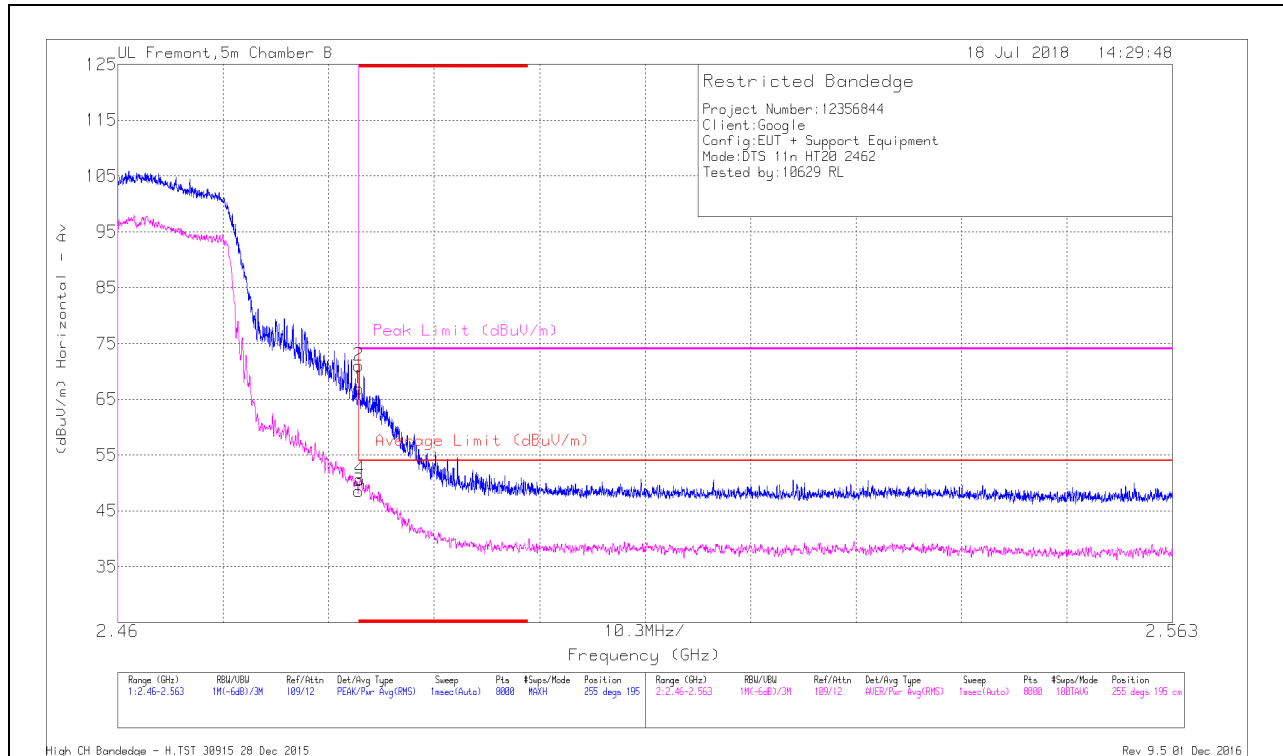
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT



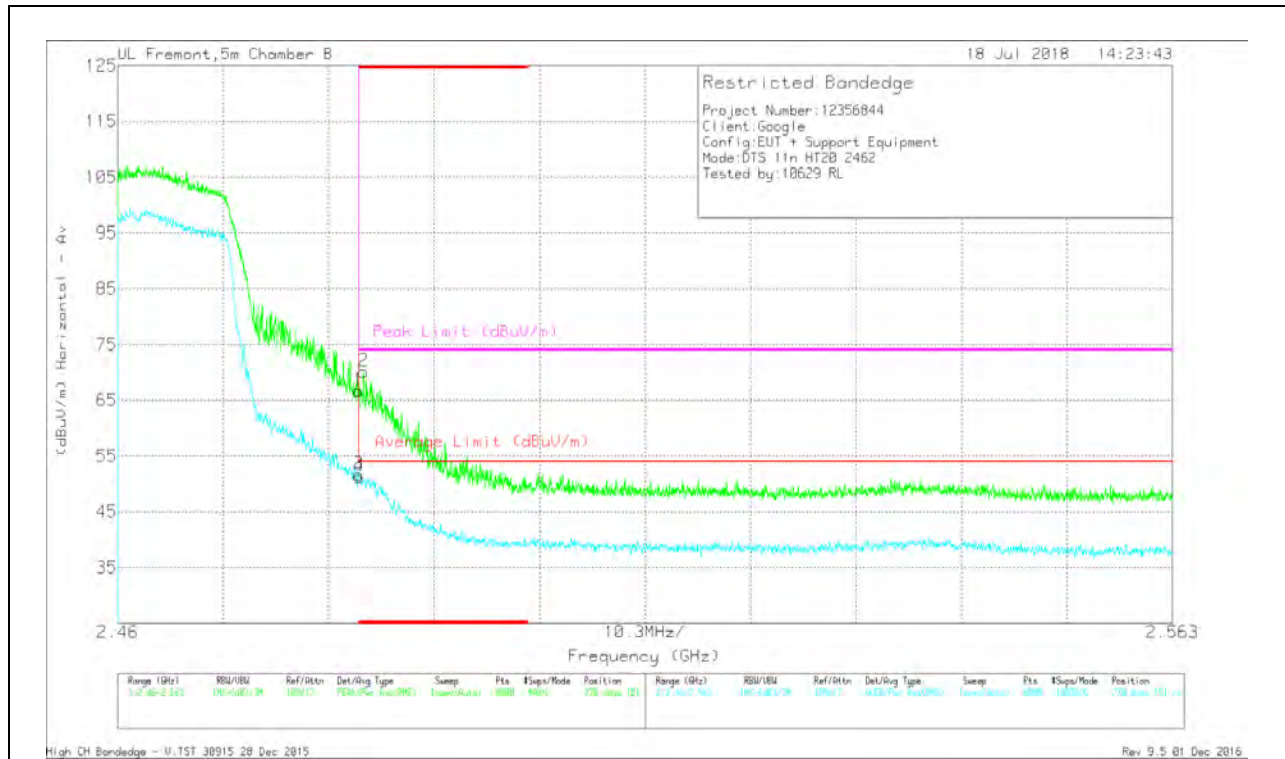
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	55.88	Pk	32.6	-21.5	66.98	-	-	74	-7.02	255	195	H
2	* 2.484	59.91	Pk	32.6	-21.5	71.01	-	-	74	-2.99	255	195	H
3	* 2.484	37.46	RMS	32.6	-21.5	48.56	54	-5.44	-	-	255	195	H
4	* 2.484	39.55	RMS	32.6	-21.5	50.65	54	-3.35	-	-	255	195	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (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	55.55	Pk	32.6	-21.5	66.65	-	-	74	-7.35	278	151	V
2	* 2.484	59.01	Pk	32.6	-21.5	70.11	-	-	74	-3.89	278	151	V
3	* 2.484	40.51	RMS	32.6	-21.5	51.61	54	-2.39	-	-	278	151	V
4	* 2.484	40.15	RMS	32.6	-21.5	51.25	54	-2.75	-	-	278	151	V

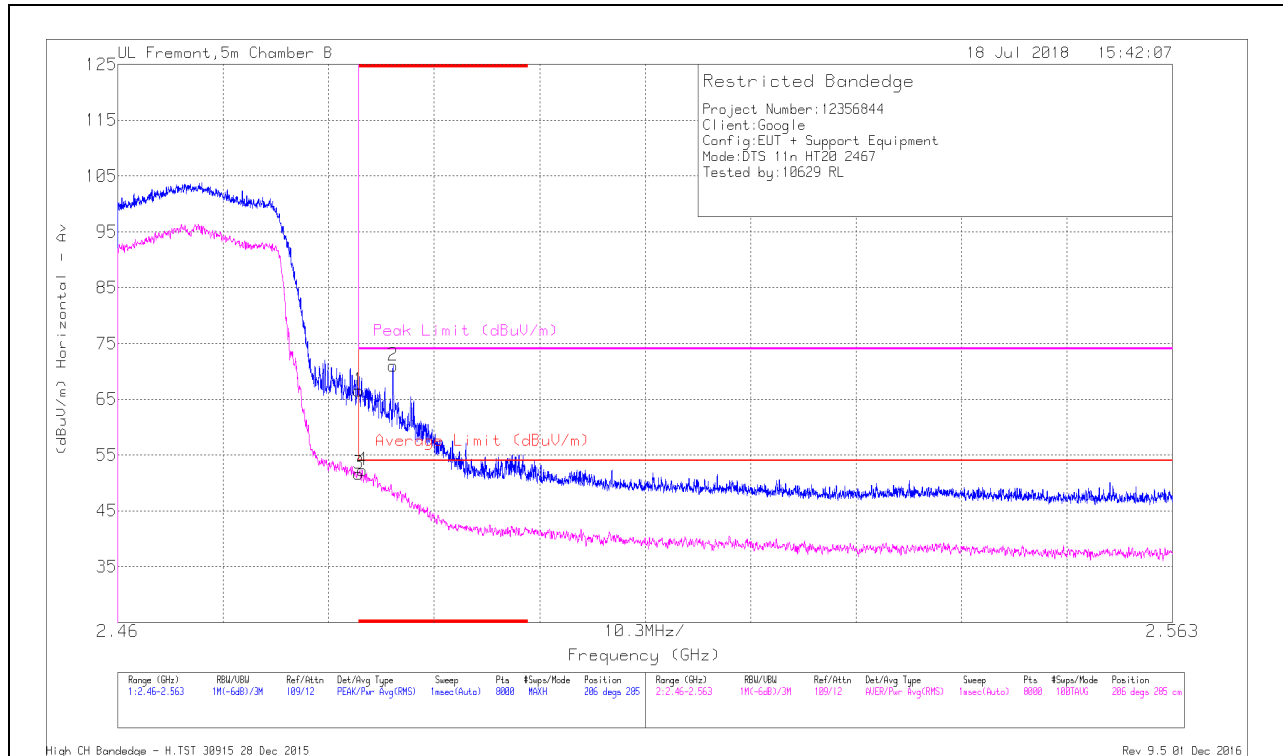
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 12)

HORIZONTAL RESULT



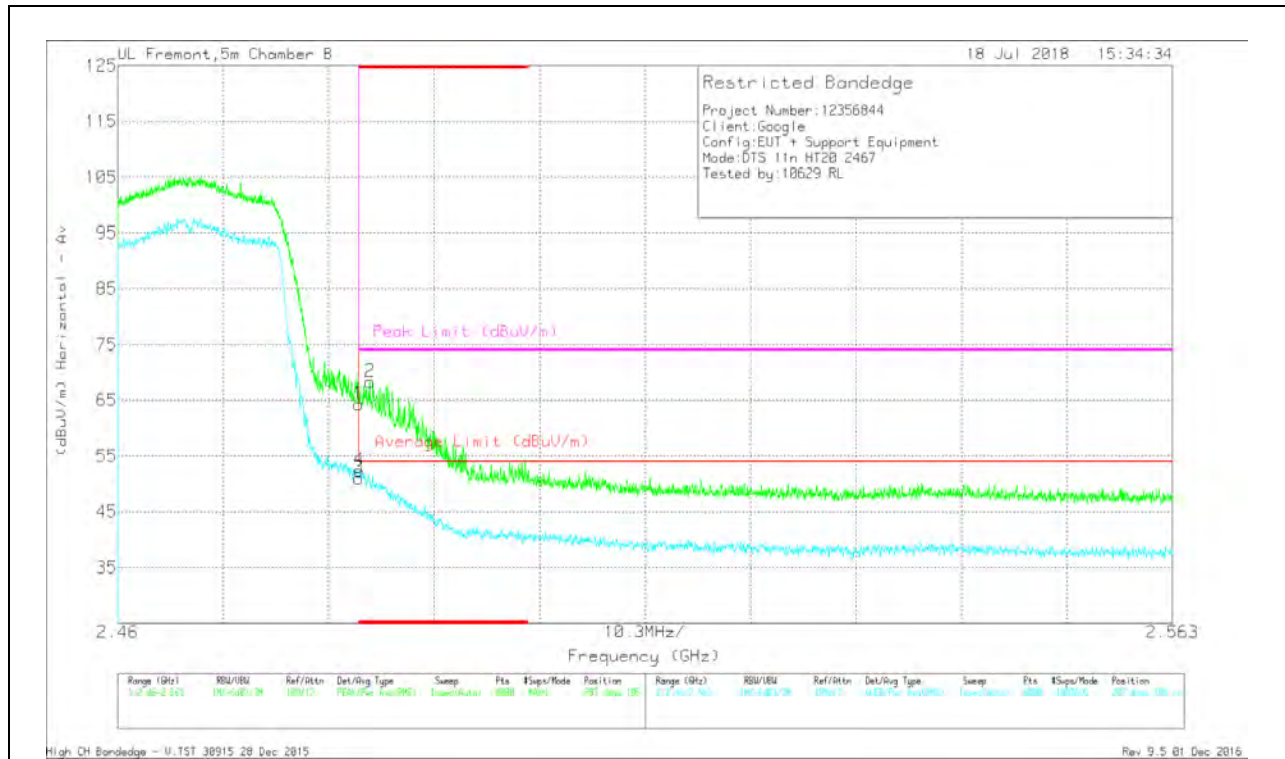
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	55.47	Pk	32.6	-21.5	66.57	-	-	74	-7.43	206	285	H
3	* 2.484	40.52	RMS	32.6	-21.5	51.62	54	-2.38	-	-	206	285	H
4	* 2.484	41.22	RMS	32.6	-21.5	52.32	54	-1.68	-	-	206	285	H
2	* 2.487	59.94	Pk	32.6	-21.5	71.04	-	-	74	-2.96	206	285	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBUV)	Det	AF T863 (dBm)	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	53.25	Pk	32.6	-21.5	64.35	-	-	74	-9.65	287	195	V
3	* 2.484	39.99	RMS	32.6	-21.5	51.09	54	-2.91	-	-	287	195	V
4	* 2.484	41.34	RMS	32.6	-21.5	52.44	54	-1.56	-	-	287	195	V
2	* 2.485	57.24	Pk	32.6	-21.5	68.34	-	-	74	-5.66	287	195	V

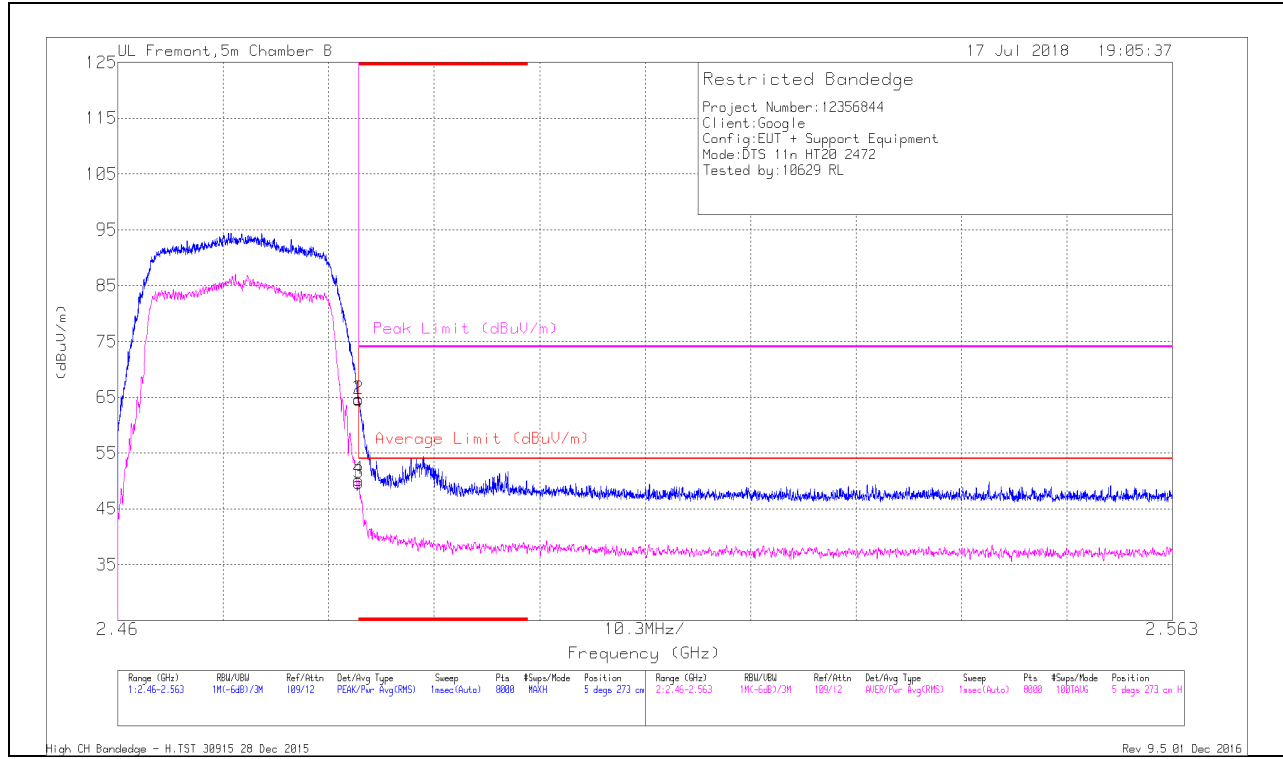
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 13)

HORIZONTAL RESULT



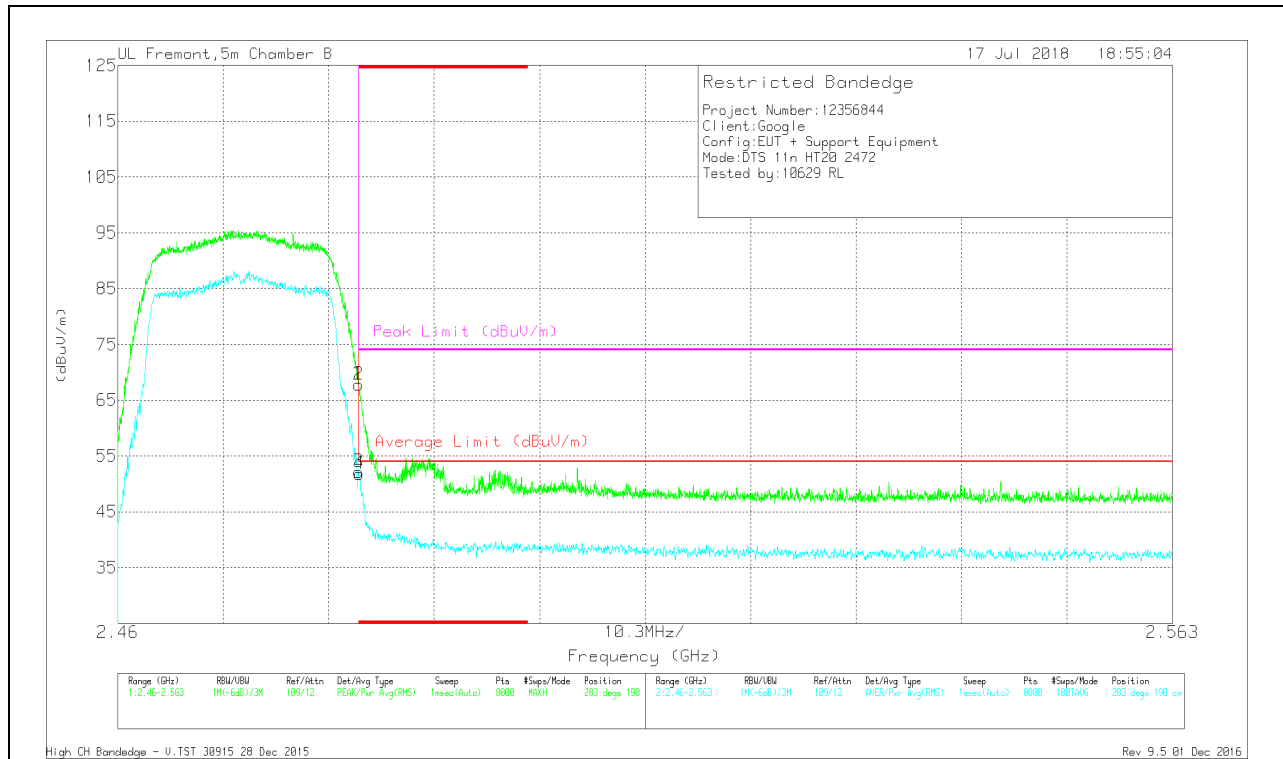
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	53.48	Pk	32.6	-21.5	64.58	-	-	74	-9.42	5	273	H
2	* 2.484	53.6	Pk	32.6	-21.5	64.7	-	-	74	-9.3	5	273	H
3	* 2.484	38.58	RMS	32.6	-21.5	49.68	54	-4.32	-	-	5	273	H
4	* 2.484	39.13	RMS	32.6	-21.5	50.23	54	-3.77	-	-	5	273	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/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	56.65	Pk	32.6	-21.5	67.75	-	-	74	-6.25	283	190	V
2	* 2.484	56.73	Pk	32.6	-21.5	67.83	-	-	74	-6.17	283	190	V
3	* 2.484	41.09	RMS	32.6	-21.5	52.19	54	-1.81	-	-	283	190	V
4	* 2.484	40.68	RMS	32.6	-21.5	51.78	54	-2.22	-	-	283	190	V

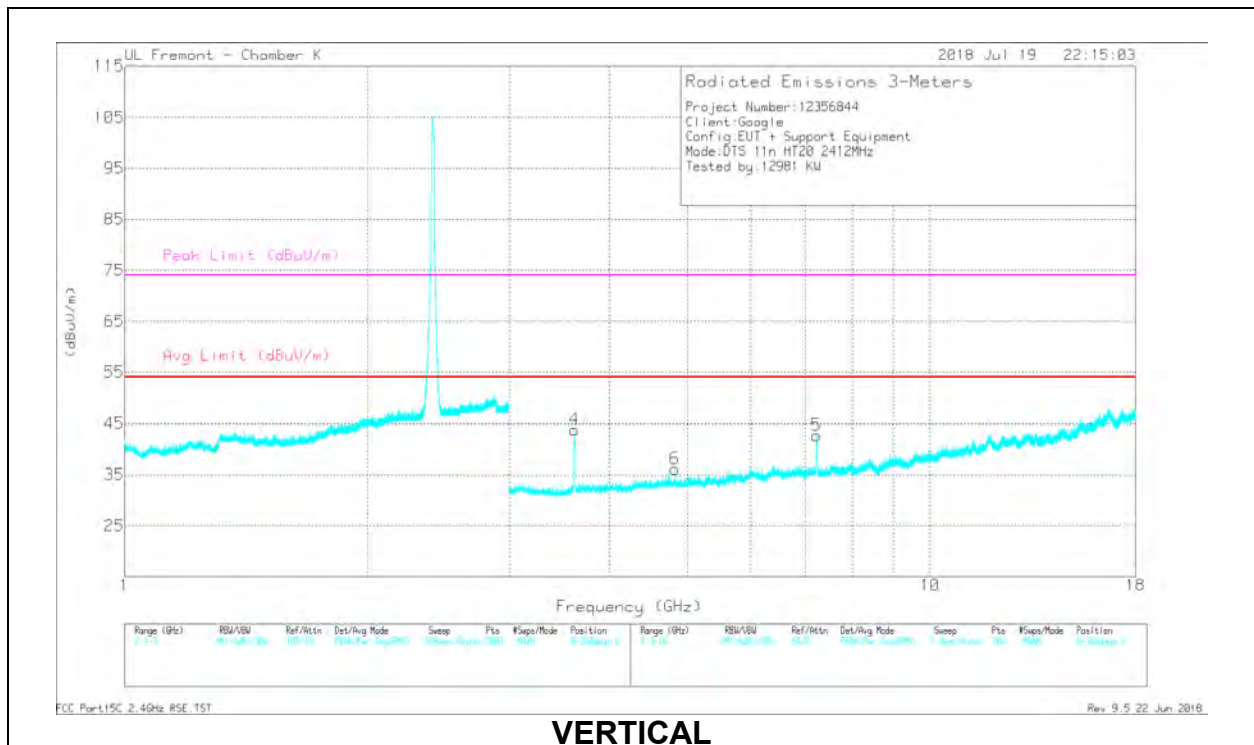
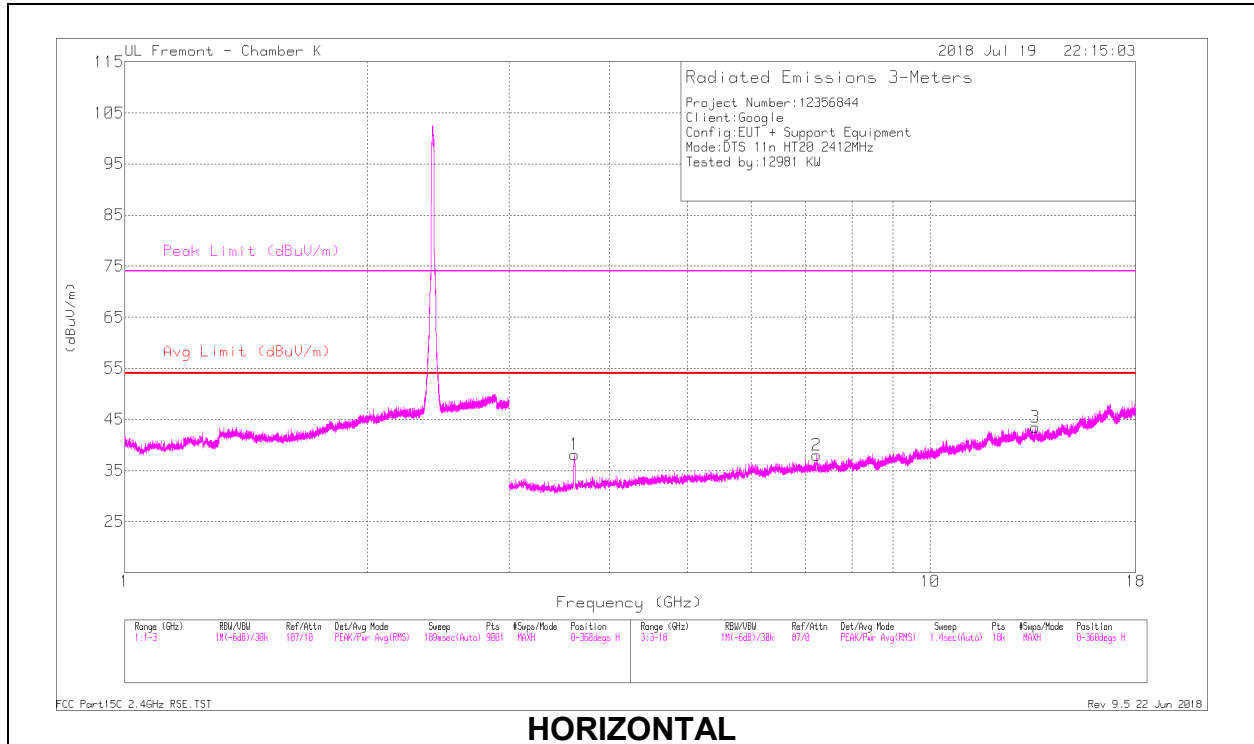
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL, CH 1 RESULTS



RADIATED EMISSIONS

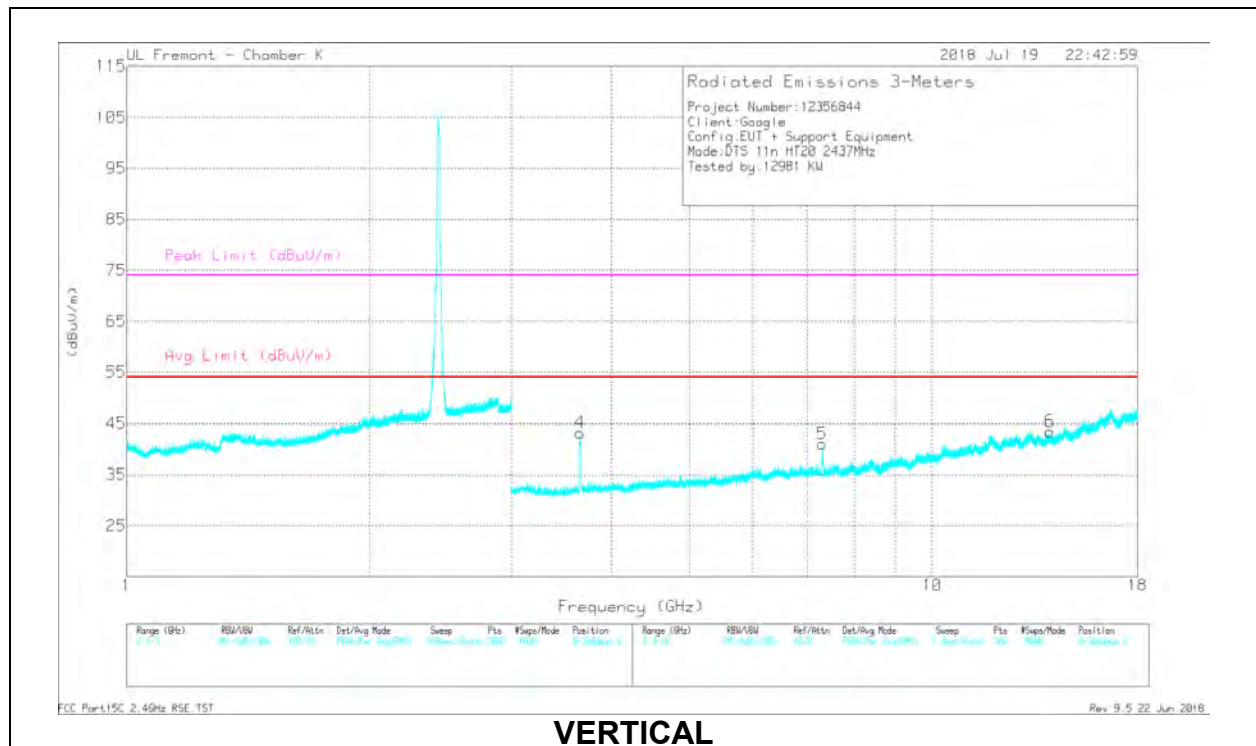
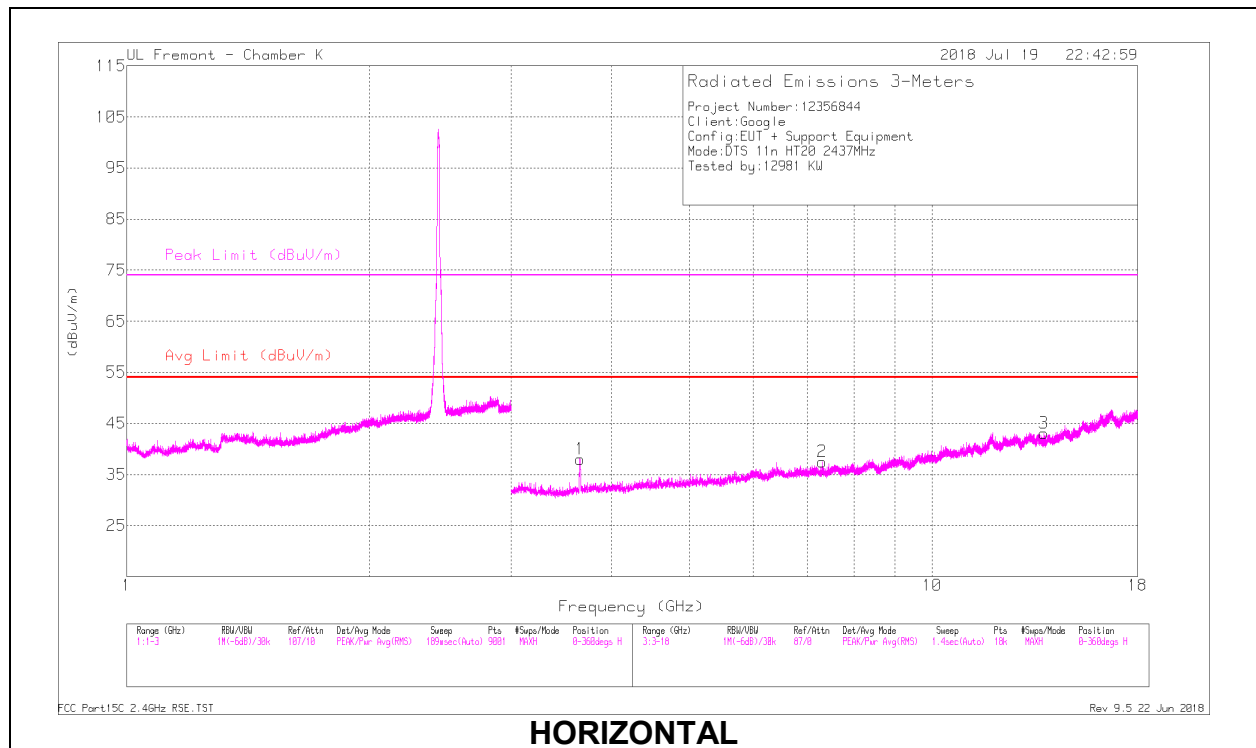
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.618	46.24	PK2	33	-32.2	47.04	-	-	74	-26.96	119	184	H
* 3.617	37.5	MAv1	33	-32.2	38.3	54	-15.7	-	-	119	184	H
* 3.619	50.03	PK2	33	-32.3	50.73	-	-	74	-23.27	141	132	V
* 3.617	42.4	MAv1	33	-32.2	43.2	54	-10.8	-	-	141	132	V
* 4.82	38.39	PK2	34.2	-30.4	42.19	-	-	74	-31.81	148	129	V
* 4.821	28.86	MAv1	34.2	-30.4	32.66	54	-21.34	-	-	148	129	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL, CH 6 RESULTS



RADIATED EMISSIONS

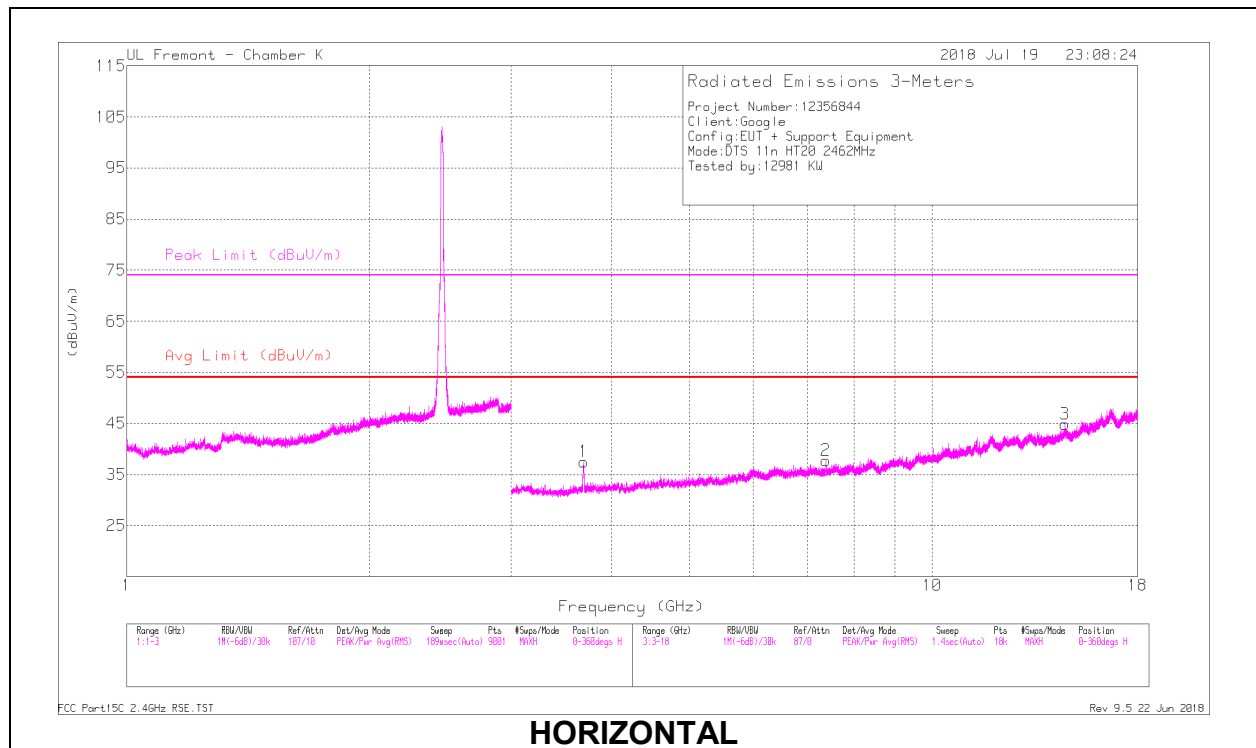
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.656	46.25	PK2	33	-32.1	47.15	-	-	74	-26.85	104	196	H
* 3.656	36.78	MAv1	33	-32.1	37.68	54	-16.32	-	-	104	196	H
* 7.31	33.36	PK2	35.5	-26.3	42.56	-	-	74	-31.44	215	151	H
* 7.313	24.98	MAv1	35.5	-26.3	34.18	54	-19.82	-	-	215	151	H
* 3.656	49.73	PK2	33	-32.1	50.63	-	-	74	-23.37	139	184	V
* 3.654	40.88	MAv1	32.9	-32.1	41.68	54	-12.32	-	-	139	184	V
* 7.31	41.83	PK2	35.5	-26.3	51.03	-	-	74	-22.97	220	228	V
* 7.31	30.57	MAv1	35.5	-26.3	39.77	54	-14.23	-	-	220	228	V

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

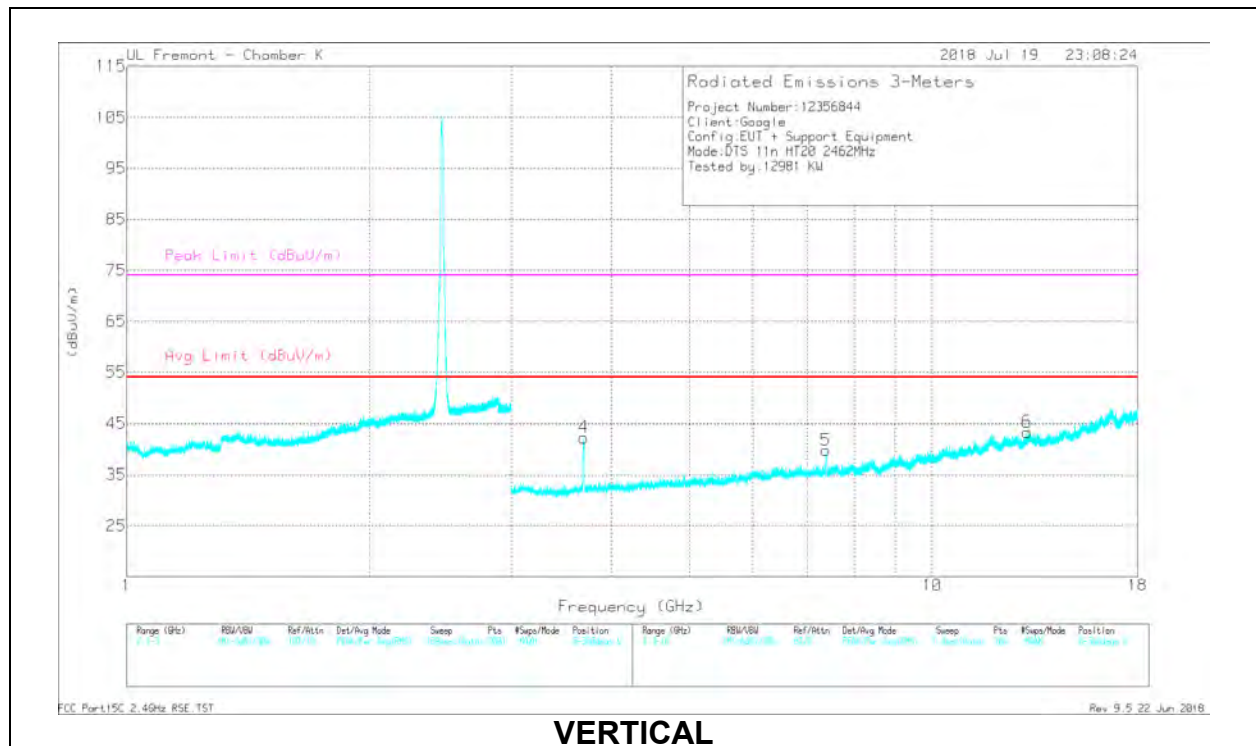
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL, CH 11 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (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	* 3.693	36.38	Pk	33.1	-32	37.48	-	-	74	-36.52	0-360	200	H
2	* 7.381	28.7	Pk	35.5	-26.5	37.7	-	-	74	-36.3	0-360	200	H
3	14.629	23.55	Pk	39.8	-18.5	44.85	-	-	-	-	0-360	200	H
4	* 3.692	41.14	Pk	33.1	-32	42.24	-	-	74	-31.76	0-360	101	V
5	* 7.379	30.74	Pk	35.5	-26.5	39.74	-	-	74	-34.26	0-360	200	V
6	13.124	24.44	Pk	39.1	-20.2	43.34	-	-	-	-	0-360	200	V

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

Pk - Peak detector

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (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
* 7.381	32.22	PK2	35.5	-26.5	41.22	-	-	74	-32.78	13	225	H
* 7.383	24.89	MAv1	35.5	-26.5	33.89	54	-20.11	-	-	13	225	H
* 3.692	44.97	PK2	33.1	-32	46.07	-	-	74	-27.93	125	193	H
* 3.692	36.65	MAv1	33.1	-32	37.75	54	-16.25	-	-	125	193	H
* 3.693	48.36	PK2	33.1	-32	49.46	-	-	74	-24.54	148	147	V
* 3.694	41.16	MAv1	33.1	-32	42.26	54	-11.74	-	-	148	147	V
* 7.38	39.39	PK2	35.5	-26.5	48.39	-	-	74	-25.61	227	233	V
* 7.38	29.38	MAv1	35.5	-26.5	38.38	54	-15.62	-	-	227	233	V

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

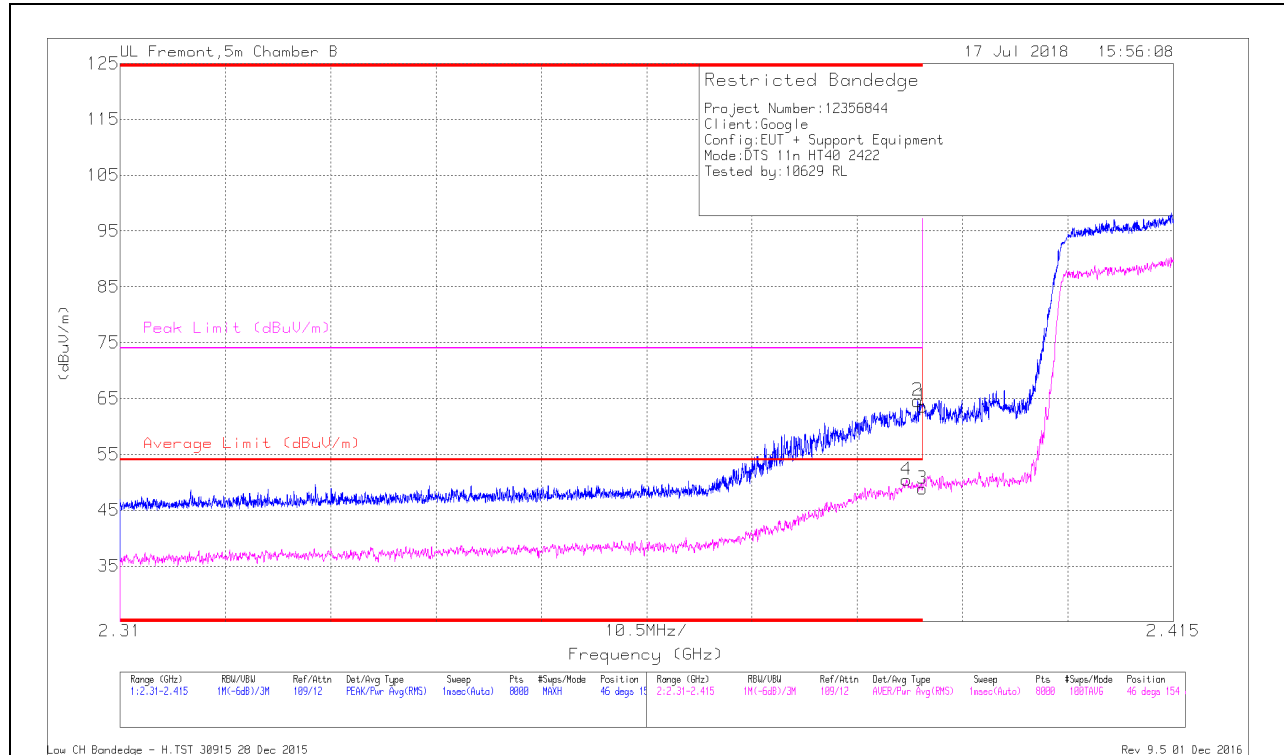
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

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

BANDEDGE (LOW CHANNEL, CH 3)

HORIZONTAL RESULT



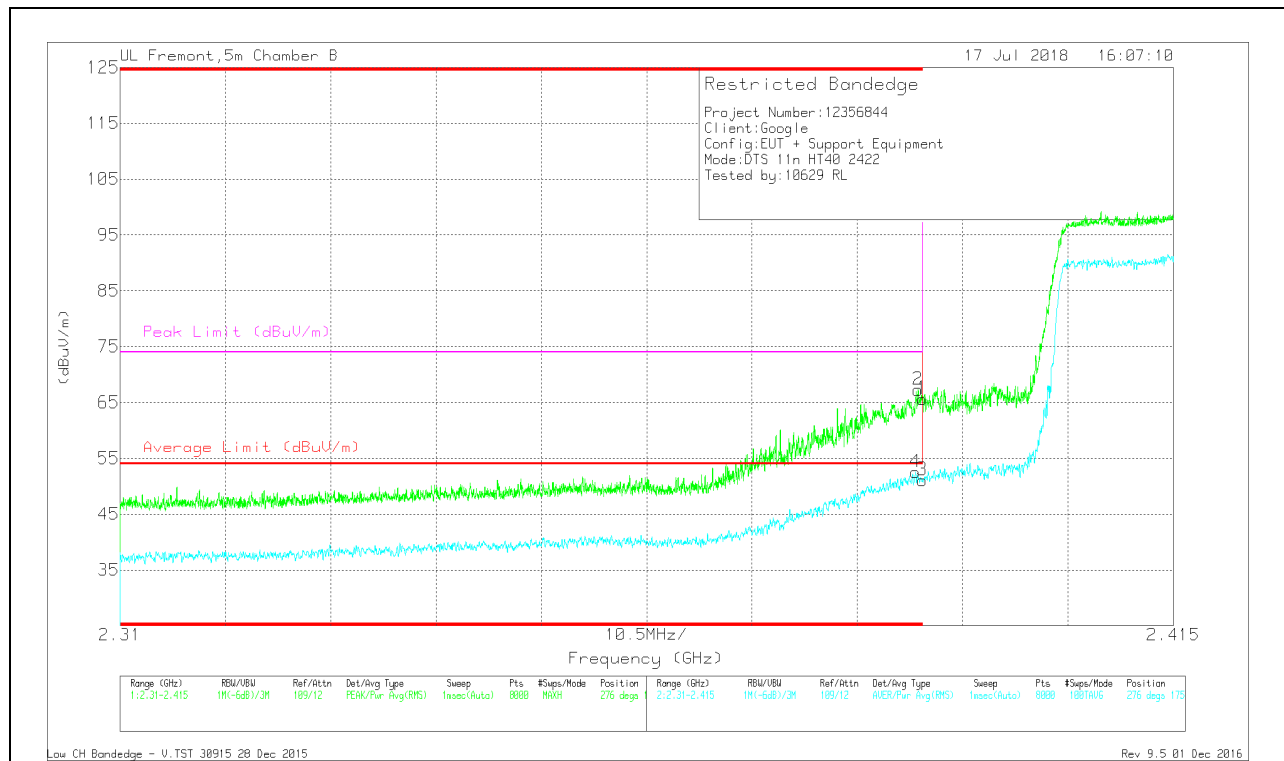
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	Amp/Cbl/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 2.388	39.54	RMS	32.3	-21.5	.1	50.44	54	-3.56	-	-	46	154	H
1	* 2.39	52.79	Pk	32.3	-21.5	0	63.59	-	-	74	-10.41	46	154	H
2	* 2.39	53.77	Pk	32.3	-21.5	0	64.57	-	-	74	-9.43	46	154	H
3	* 2.39	37.96	RMS	32.3	-21.5	.1	48.86	54	-5.14	-	-	46	154	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
4	* 2.389	41.59	RMS	32.3	-21.5	.1	52.49	54	-1.51	-	-	276	175	V
1	* 2.39	54.83	Pk	32.3	-21.5	0	65.63	-	-	74	-8.37	276	175	V
2	* 2.39	56.46	Pk	32.3	-21.5	0	67.26	-	-	74	-6.74	276	175	V
3	* 2.39	40.19	RMS	32.3	-21.5	.1	51.09	54	-2.91	-	-	276	175	V

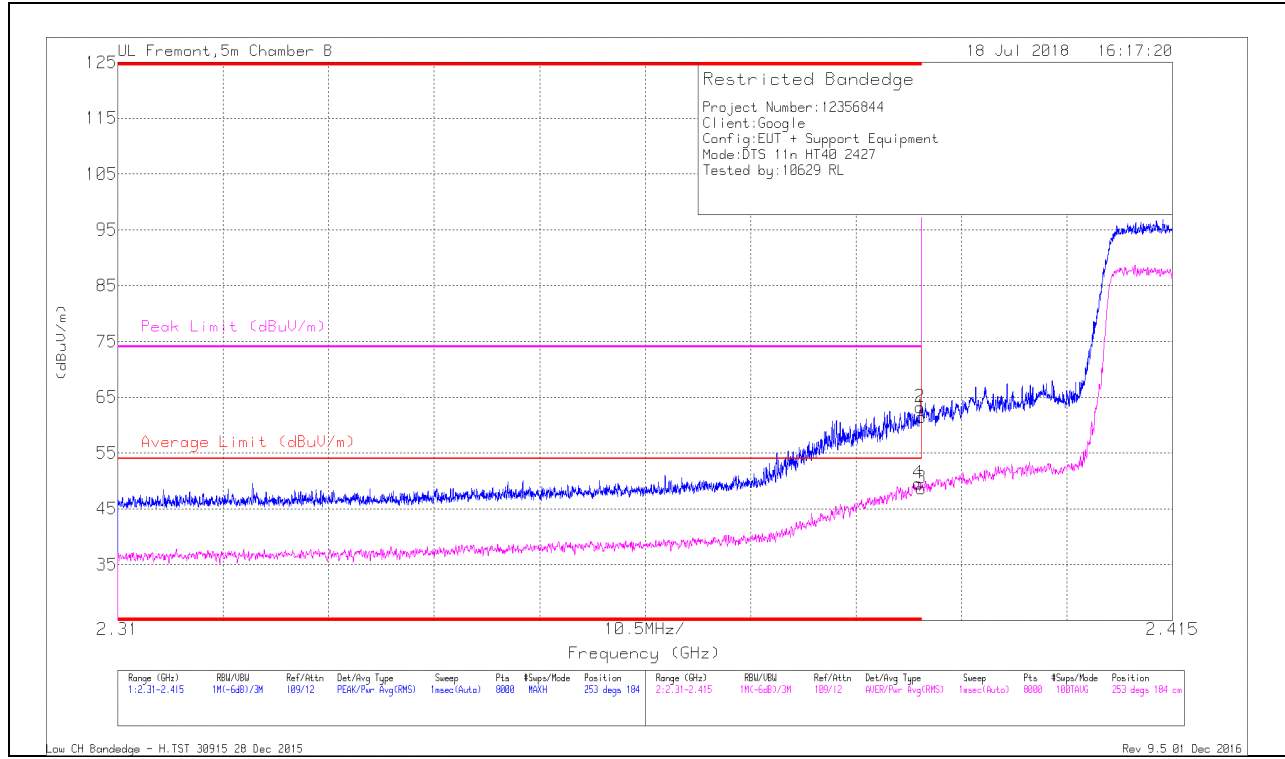
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (LOW CHANNEL, CH 4)

HORIZONTAL RESULT



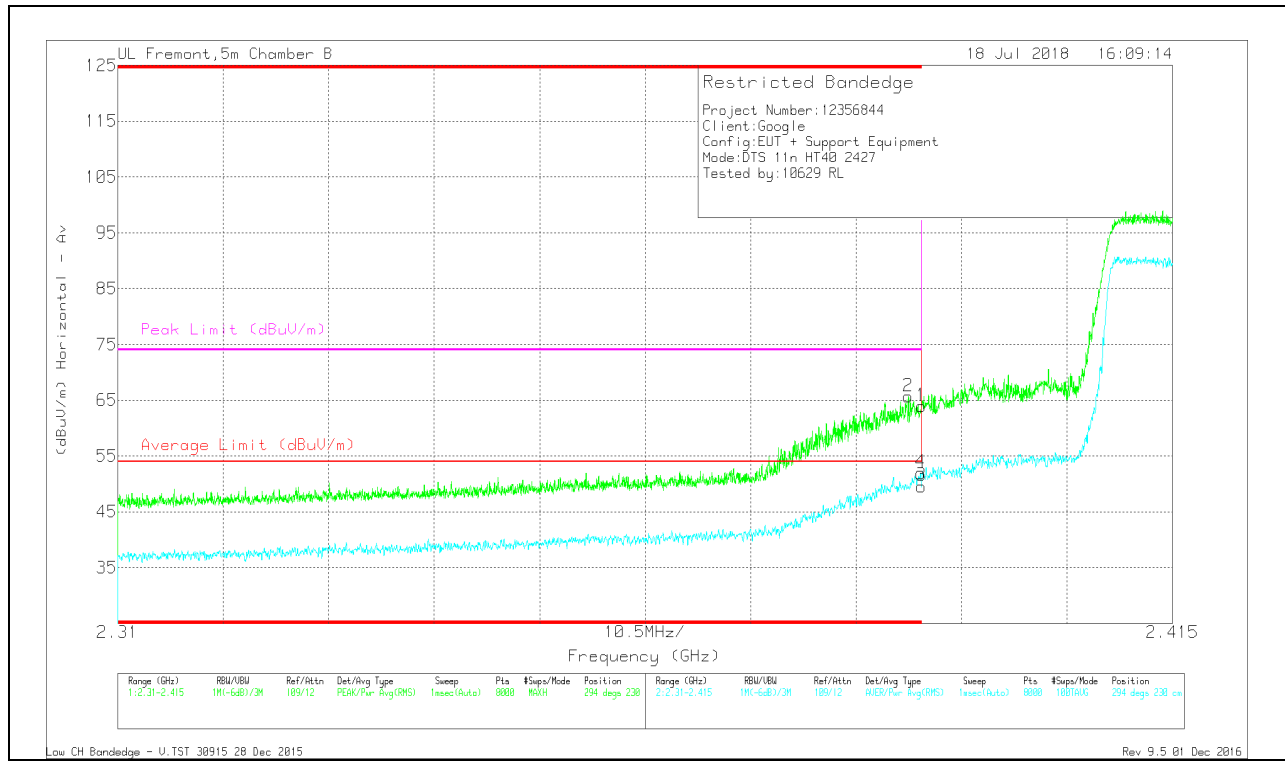
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	50.69	Pk	32.3	-21.5	0	61.49	-	-	74	-12.51	253	184	H
2	* 2.39	52.44	Pk	32.3	-21.5	0	63.24	-	-	74	-10.76	253	184	H
3	* 2.39	37.84	RMS	32.3	-21.5	.1	48.74	54	-5.26	-	-	253	184	H
4	* 2.39	38.7	RMS	32.3	-21.5	.1	49.6	54	-4.4	-	-	253	184	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T663 (dBm)	Amp/CbVftrnPad (dB)	DC Corr (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	53.14	Pk	32.3	-21.5	0	63.94	-	-	74	-10.06	294	230	V
2	* 2.389	54.88	Pk	32.3	-21.5	0	65.68	-	-	74	-8.32	294	230	V
3	* 2.39	38.71	RMS	32.3	-21.5	.1	49.61	54	-4.39	-	-	294	230	V
4	* 2.39	41.07	RMS	32.3	-21.5	.1	51.97	54	-2.03	-	-	294	230	V

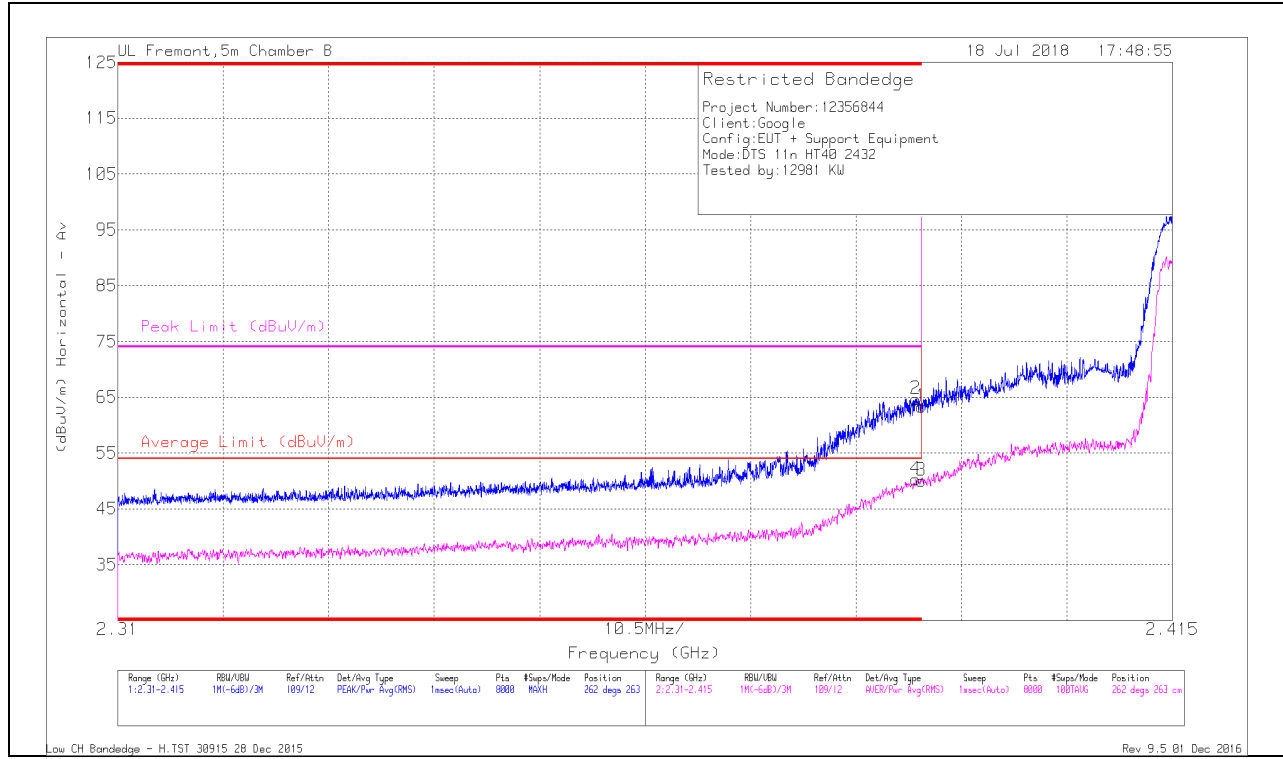
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (LOW CHANNEL, CH 5)

HORIZONTAL RESULT



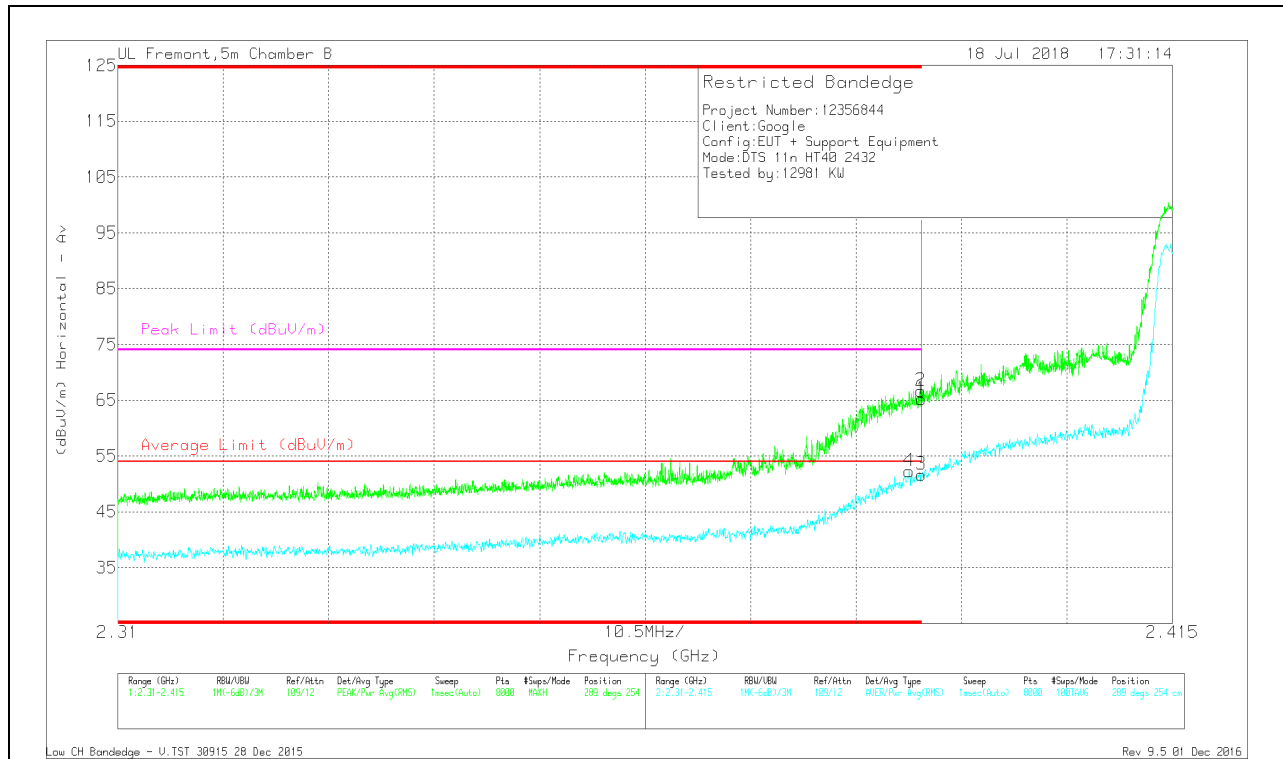
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	Amp/Cb/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	52.49	Pk	32.3	-21.5	0	63.29	-	-	74	-10.71	262	263	H
2	* 2.389	53.95	Pk	32.3	-21.5	0	64.75	-	-	74	-9.25	262	263	H
3	* 2.39	39.12	RMS	32.3	-21.5	.1	50.02	54	-3.98	-	-	262	263	H
4	* 2.389	39.39	RMS	32.3	-21.5	.1	50.29	54	-3.71	-	-	262	263	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T663 (dBm)	Amp/CbVftrnPad (dB)	DC Corr (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	54.38	Pk	32.3	-21.5	0	65.18	-	-	74	-8.82	289	254	V
2	* 2.39	55.87	Pk	32.3	-21.5	0	66.67	-	-	74	-7.33	289	254	V
3	* 2.39	40.81	RMS	32.3	-21.5	.1	51.71	54	-2.29	-	-	289	254	V
4	* 2.389	41.38	RMS	32.3	-21.5	.1	52.28	54	-1.72	-	-	289	254	V

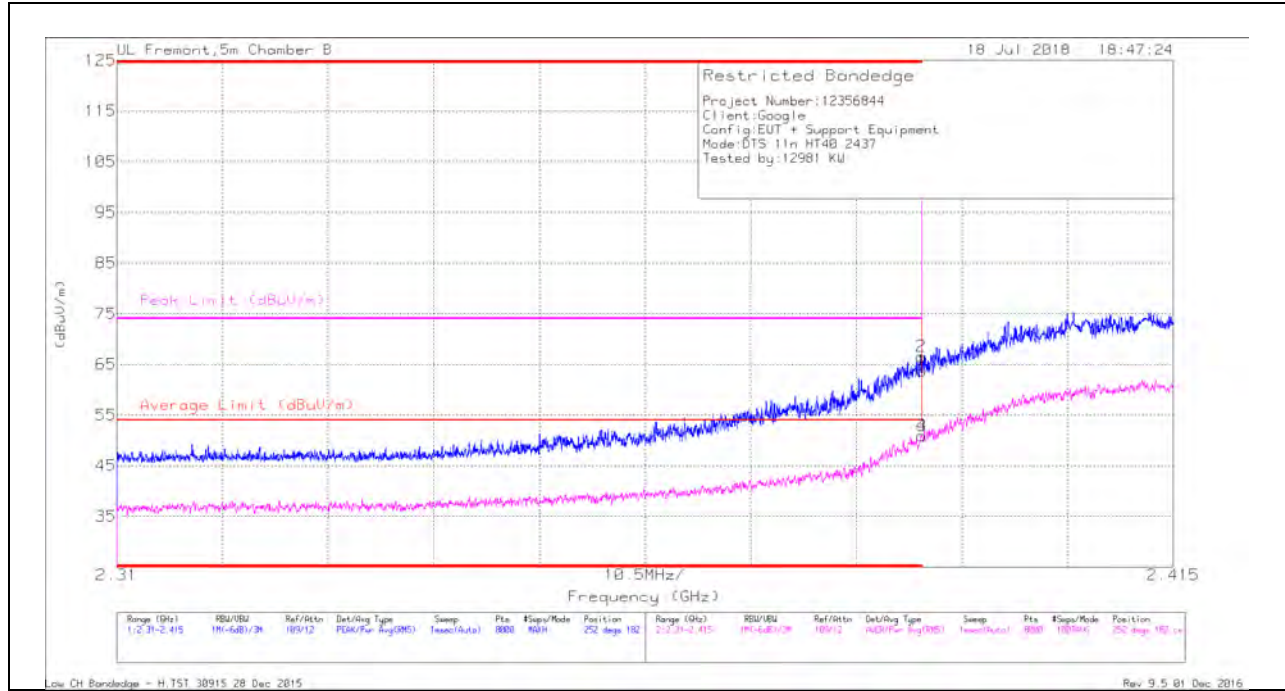
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 6_Low Side)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Ch/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.39	52.95	PK	32.3	-21.5	0	63.75	-	-	74	-10.25	252	182	H
2	* 2.39	55.81	PK	32.3	-21.5	0	66.61	-	-	74	-7.39	252	182	H
3	* 2.39	39.99	RMS	32.3	-21.5	.1	50.89	54	-3.11	-	-	252	182	H
4	* 2.39	40.04	RMS	32.3	-21.5	.1	50.94	54	-3.06	-	-	252	182	H

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

Pk - Peak detector

RMS - RMS detection

UL Fremont, 5m Chamber B

18 Jul 2018 18:30:01

Restricted Bandedge

Project Number: 12356844
Client: Google
Config: EUT + Support Equipment
Mode: DTS 11n HT48 2437
Tested by: 12981 KW

CdBUU/m Horizontal - Av

Peak Limit (dBUU/m)

Average Limit (dBUU/m)

2.31 10.5MHz/ 2.415

Frequency (GHz)

Range (GHz)	RBW/USB	Ref/Attn	Det/Ag Type	Sweep	Pls	ESupp/Mode	Position	Range (GHz)	RBW/USB	Ref/Attn	Det/Ag Type	Sweep	Pls	ESupp/Mode	Position
1.2-2.415	100kHz/100kHz	100dB/100dB	Peak/Pre Avg (DPS)	Fastest/Auto	1000	None	200 steps 177	1.2-2.415	100kHz/100kHz	100dB/100dB	Peak/Pre Avg (DPS)	Fastest/Auto	1000	None	200 steps 177

Low CH Bandedge - U.TST.30915.28 Dec.2015

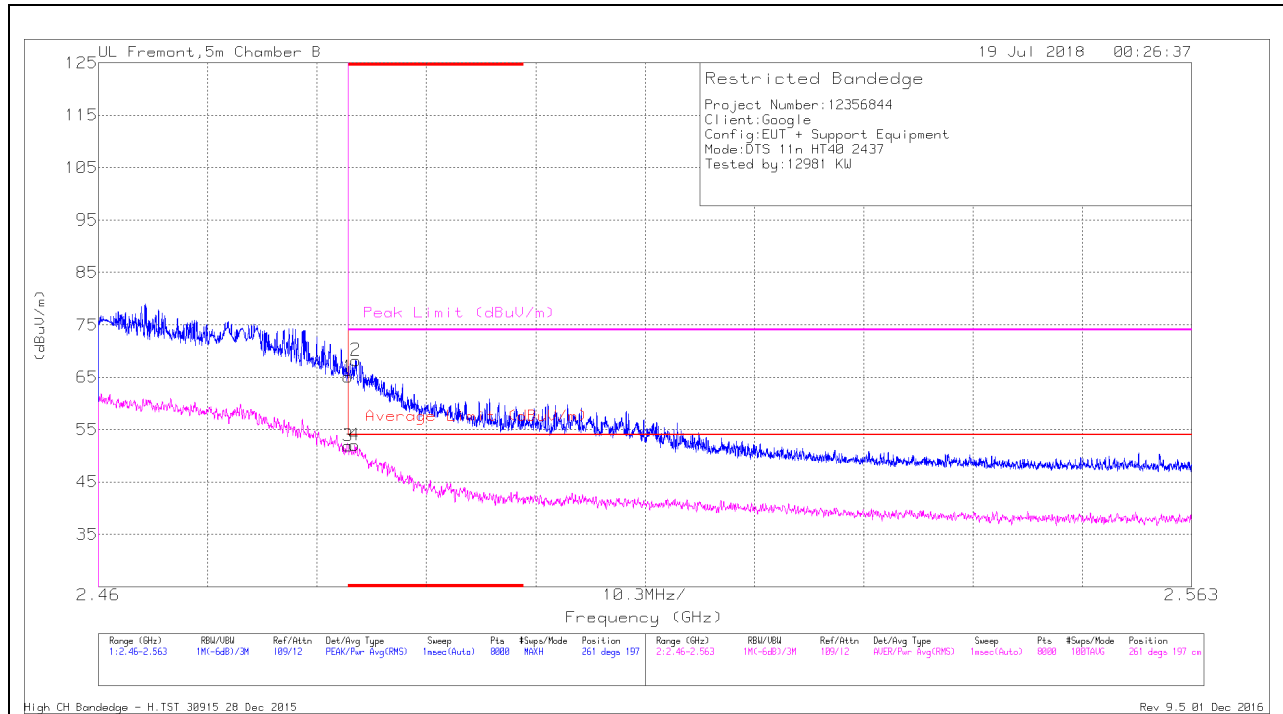
Rev. 9.5.81 Dec.2016

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/Filt/Pad (dB)	DC Corr (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	53.94	Pk	32.3	-21.5	0	64.74	-	-	74	-9.26	288	177	V
2	* 2.39	56.43	Pk	32.3	-21.5	0	67.23	-	-	74	-6.77	288	177	V
3	* 2.39	40.71	RMS	32.3	-21.5	.1	51.61	54	-2.39	-	-	288	177	V
4	* 2.39	41.13	RMS	32.3	-21.5	.1	52.03	54	-1.97	-	-	288	177	V

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 6_High Side)

HORIZONTAL RESULT



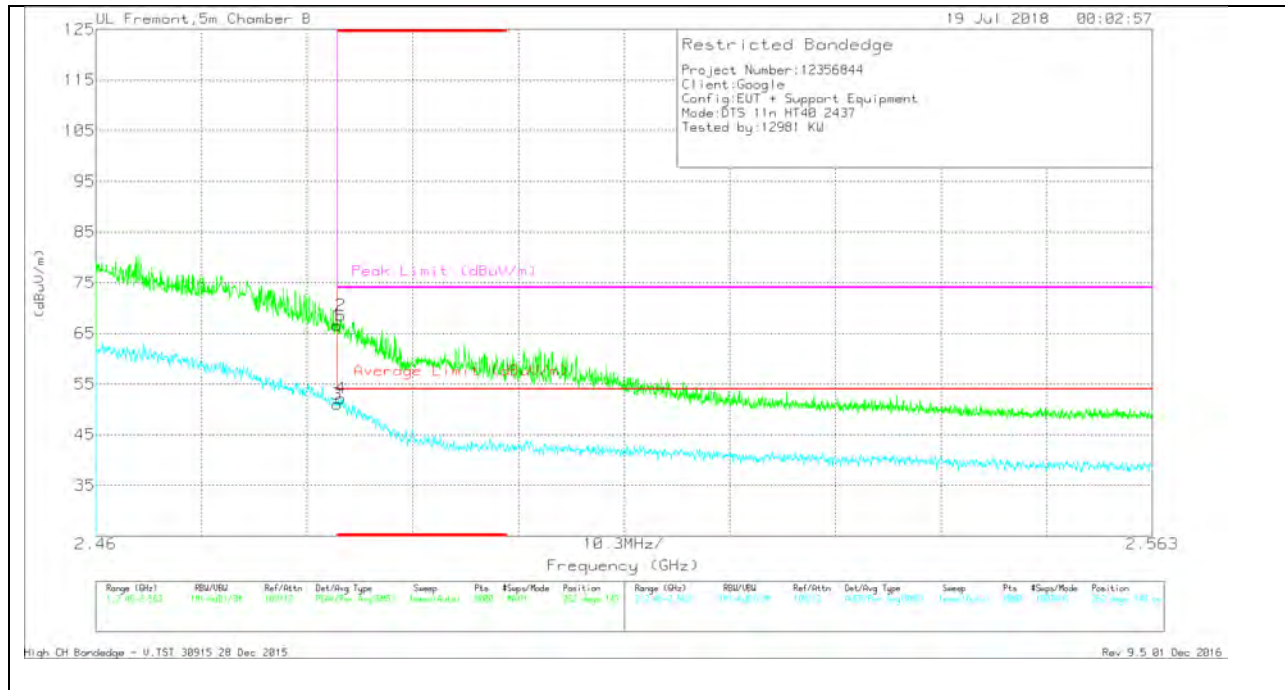
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1	* 2.484	53.91	Pk	32.6	-21.5	0	65.01	-	-	74	-8.99	261	197	H
2	* 2.484	57.13	Pk	32.6	-21.5	0	68.23	-	-	74	-5.77	261	197	H
3	* 2.484	40.75	RMS	32.6	-21.5	.1	51.95	54	-2.05	-	-	261	197	H
4	* 2.484	40.78	RMS	32.6	-21.5	.1	51.98	54	-2.02	-	-	261	197	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 1063 (dB/m)	Amp/CH/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	* 2.484	55.42	Pk	32.6	-21.5	0	66.52	-	-	74	-7.48	262	149	V
2	* 2.484	57.44	Pk	32.6	-21.5	0	68.54	-	-	74	-5.46	262	149	V
3	* 2.484	39.69	RMS	32.6	-21.5	.1	50.89	54	-3.11	-	-	262	149	V
4	* 2.484	40.79	RMS	32.6	-21.5	.1	51.99	54	-2.01	-	-	262	149	V

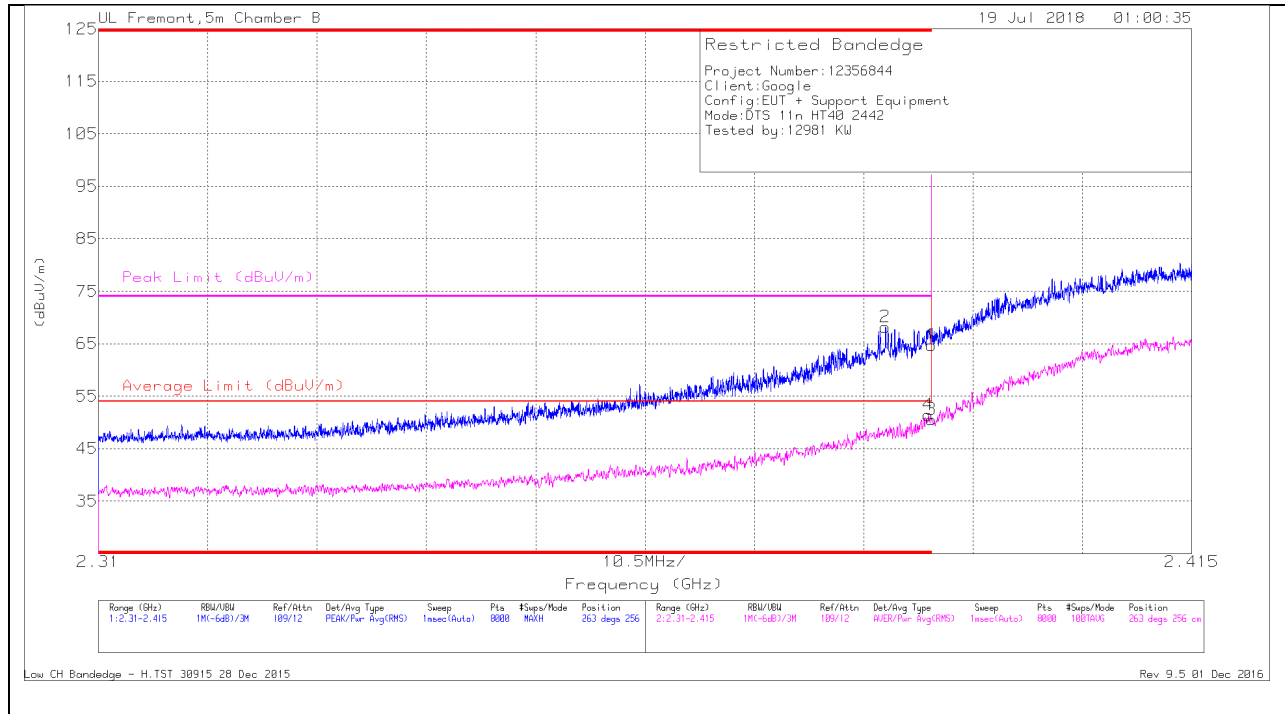
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 7_Low Side)

HORIZONTAL RESULT



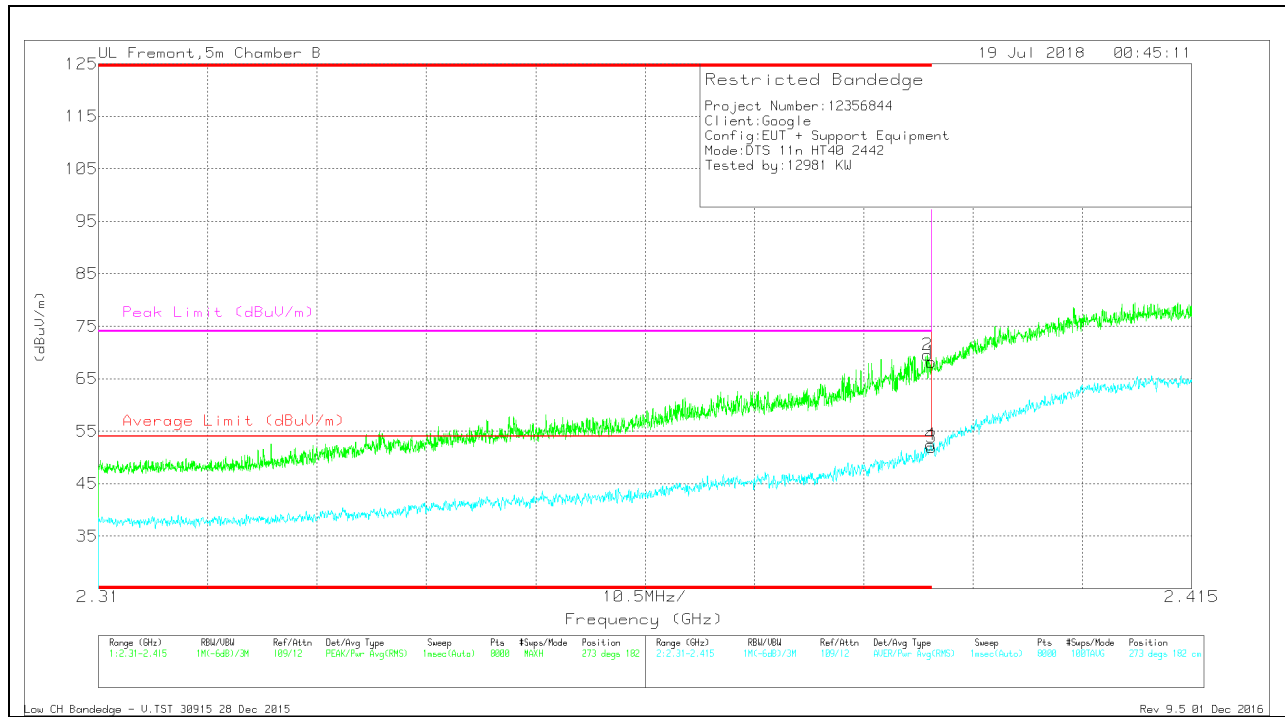
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF TB63 (dB/m)	Amp/Ch/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.386	57.24	Pk	32.3	-21.4	0	68.14	-	-	74	-5.86	263	256	H
1	* 2.39	53.9	Pk	32.3	-21.5	0	64.7	-	-	74	-9.3	263	256	H
3	* 2.39	39.6	RMS	32.3	-21.5	.1	50.5	54	-3.5	-	-	263	256	H
4	* 2.39	40.47	RMS	32.3	-21.5	.1	51.37	54	-2.63	-	-	263	256	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Ch/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.39	57.42	PK	32.3	-21.5	0	68.22	-	-	74	-5.78	273	182	V
2	* 2.39	58.7	PK	32.3	-21.5	0	69.5	-	-	74	-4.5	273	182	V
3	* 2.39	40.97	RMS	32.3	-21.5	.1	51.87	54	-2.13	-	-	273	182	V
4	* 2.39	41.49	RMS	32.3	-21.5	.1	52.39	54	-1.61	-	-	273	182	V

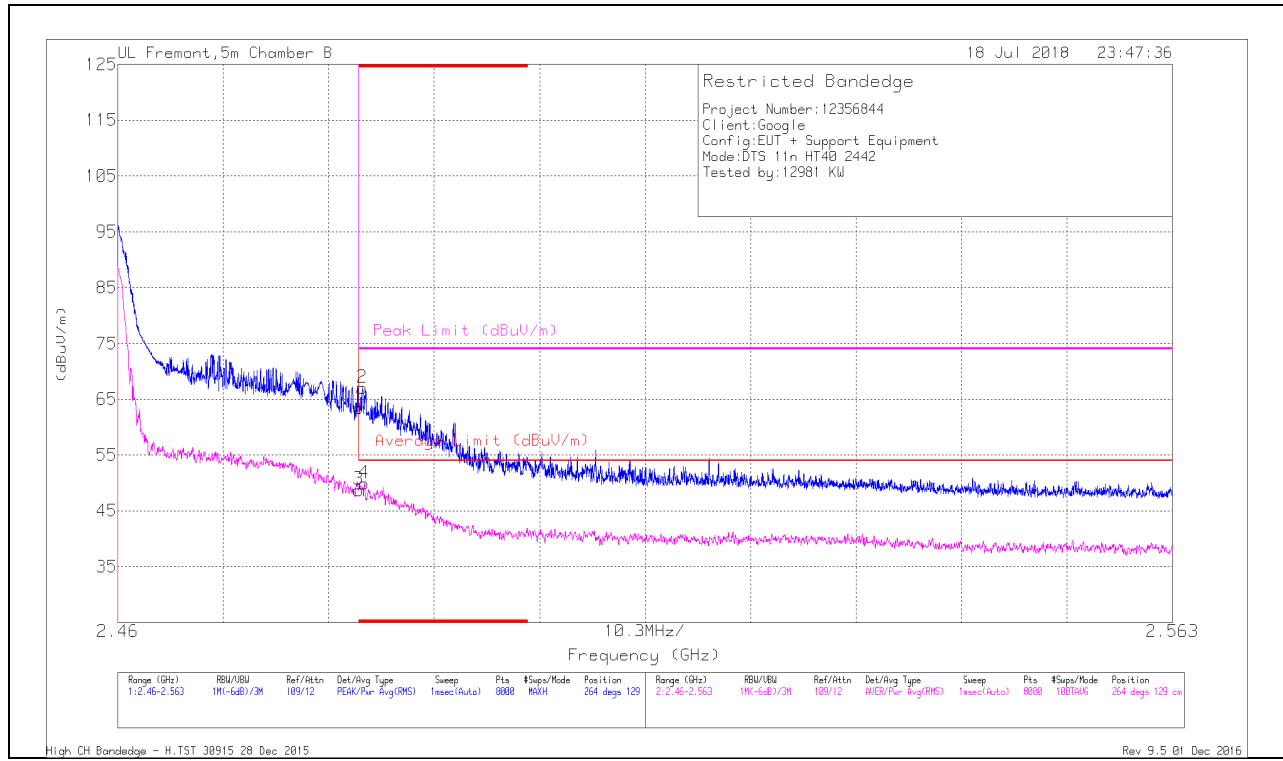
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 7 High Side)

HORIZONTAL RESULT



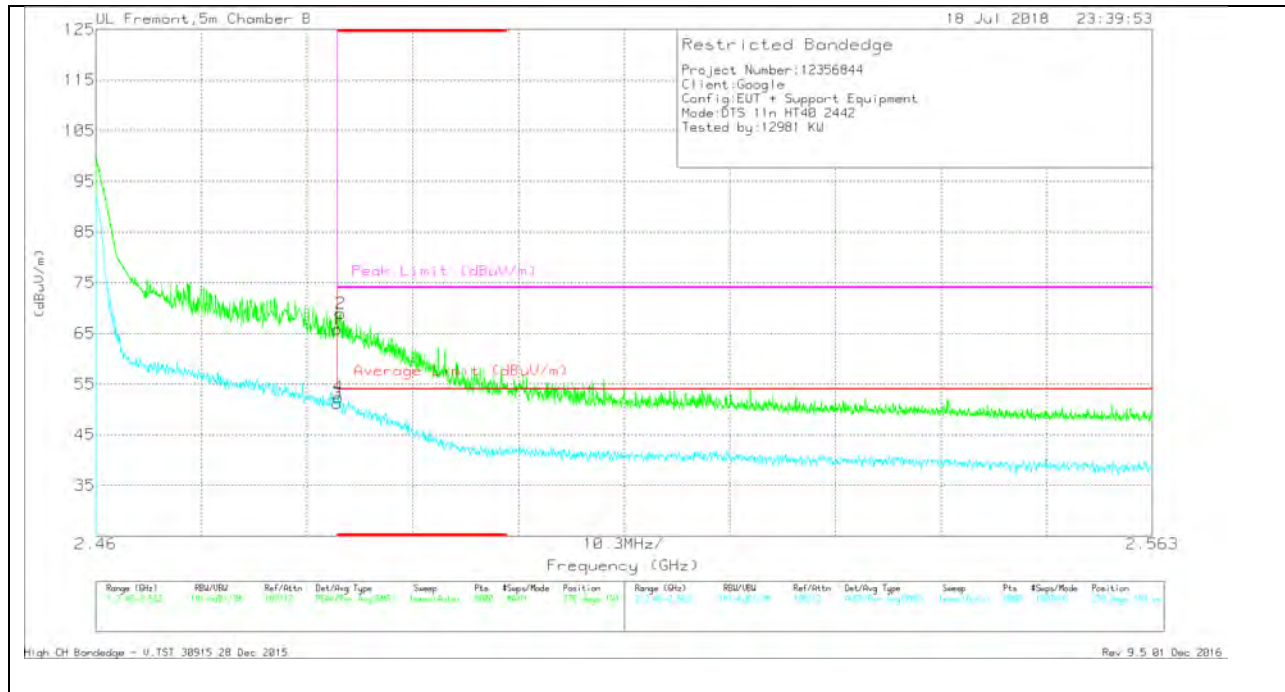
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	Amp/Cb/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.484	52.3	Pk	32.6	-21.5	0	63.4	-	-	74	-10.6	264	129	H
2	* 2.484	56	PK	32.6	-21.5	0	67.1	-	-	74	-6.9	264	129	H
3	* 2.484	37.54	RMS	32.6	-21.5	.1	48.74	54	-5.26	-	-	264	129	H
4	* 2.484	38.69	RMS	32.6	-21.5	.1	49.89	54	-4.11	-	-	264	129	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/CH/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	* 2.484	54.73	Pk	32.6	-21.5	0	65.83	-	-	74	-8.17	278	194	V
2	* 2.484	57.86	Pk	32.6	-21.5	0	68.96	-	-	74	-5.04	278	194	V
3	* 2.484	39.91	RMS	32.6	-21.5	.1	51.11	54	-2.89	-	-	278	194	V
4	* 2.484	41.25	RMS	32.6	-21.5	.1	52.45	54	-1.55	-	-	278	194	V

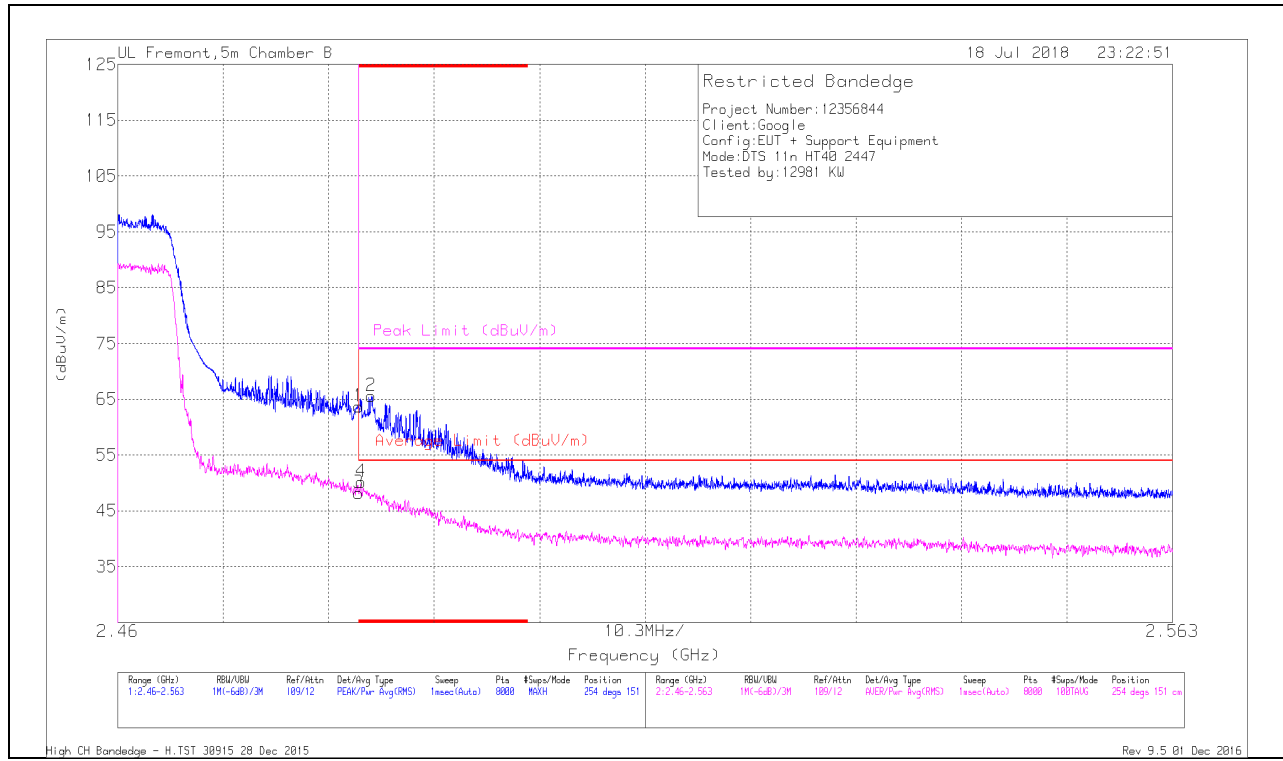
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 8)

HORIZONTAL RESULT



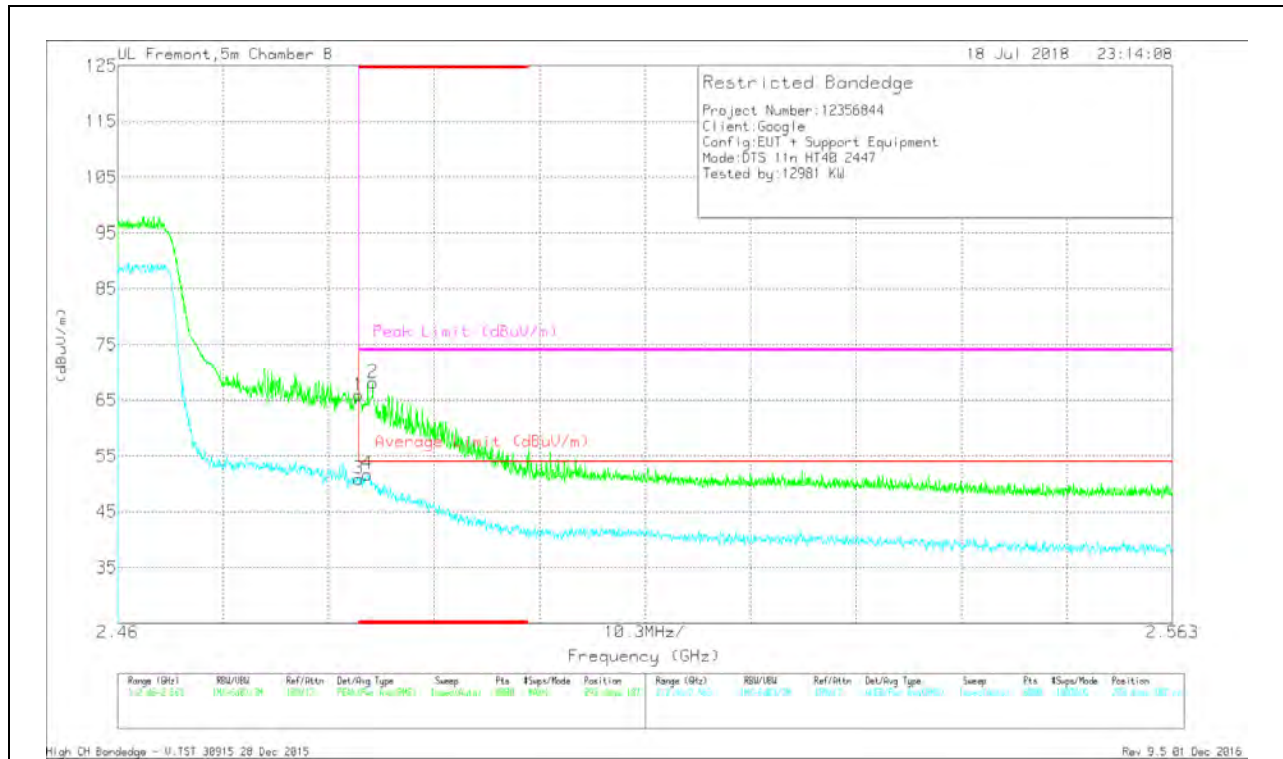
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	Amp/Cb/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.484	52.55	Pk	32.6	-21.5	0	63.65	-	-	74	-10.35	254	151	H
2	* 2.485	54.46	PK	32.6	-21.5	0	65.96	-	-	74	-8.44	254	151	H
3	* 2.484	36.98	RMS	32.6	-21.5	.1	48.18	54	-5.82	-	-	254	151	H
4	* 2.484	39.02	RMS	32.6	-21.5	.1	50.22	54	-3.78	-	-	254	151	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	Amp/Cb/Filt/Pad (dB)	DC Corr (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	54.86	Pk	32.6	-21.5	0	65.96	-	-	74	-8.04	293	187	V
2	* 2.485	57.07	Pk	32.6	-21.5	0	68.17	-	-	74	-5.83	293	187	V
3	* 2.484	39.66	RMS	32.6	-21.5	.1	50.86	54	-3.14	-	-	293	187	V
4	* 2.484	40.52	RMS	32.6	-21.5	.1	51.72	54	-2.28	-	-	293	187	V

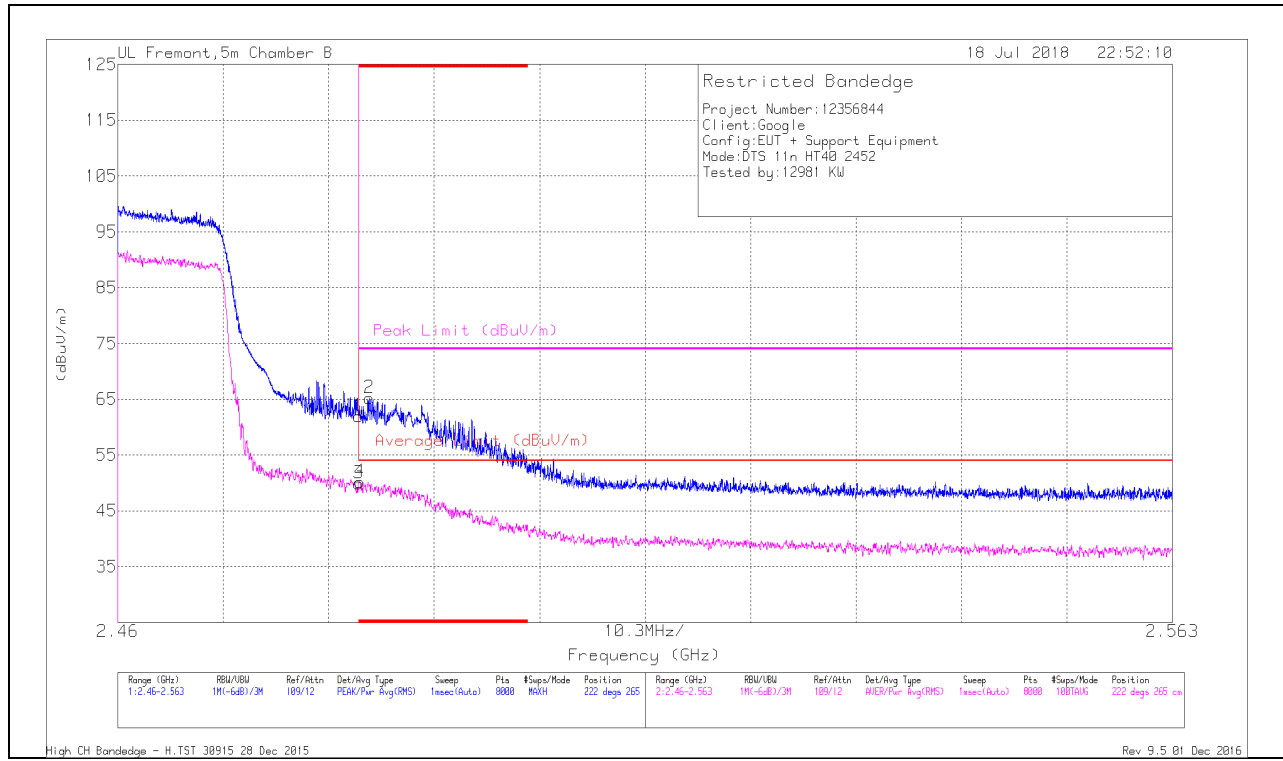
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 9)

HORIZONTAL RESULT



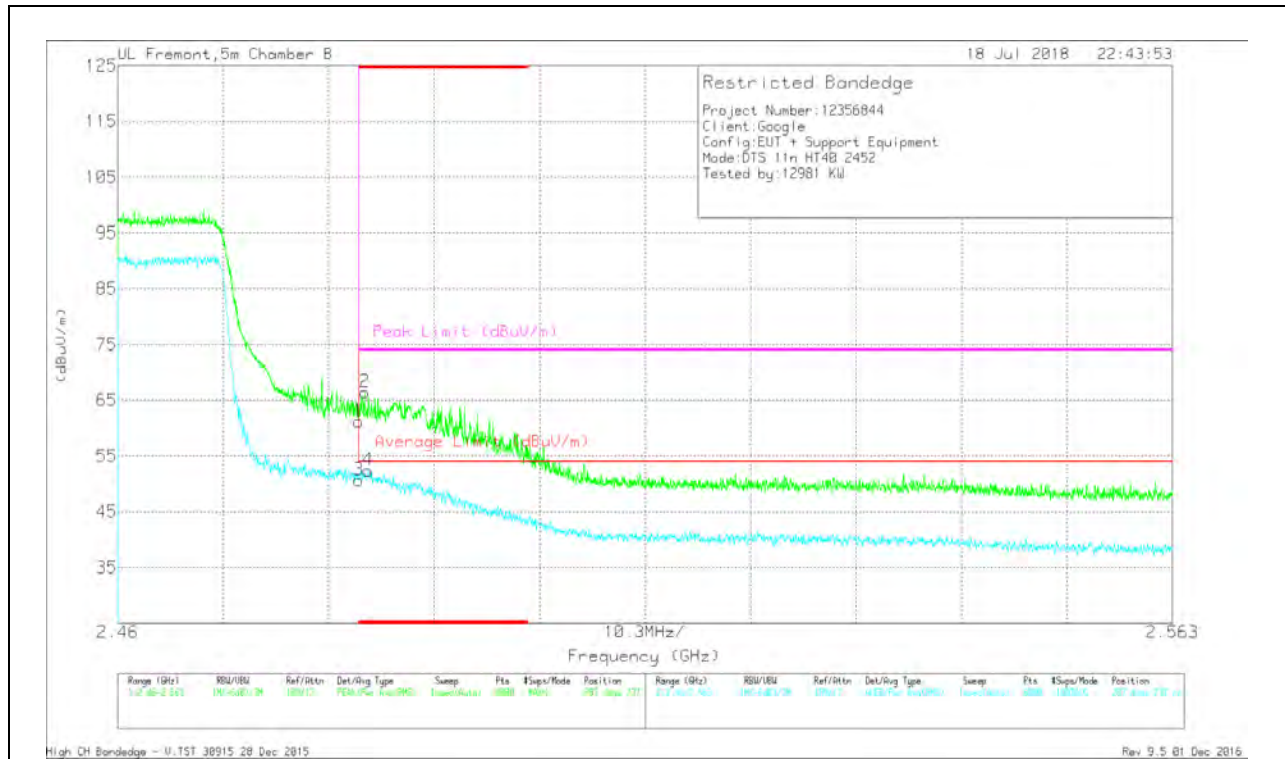
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	Amp/Cb/Filt/Pad (dB)	DC Corr (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	50.84	Pk	32.6	-21.5	0	61.94	-	-	74	-12.06	222	265	H
2	* 2.485	54.14	PK	32.6	-21.5	0	65.24	-	-	74	-8.76	222	265	H
3	* 2.484	38.7	RMS	32.6	-21.5	.1	49.9	54	-4.1	-	-	222	265	H
4	* 2.484	39.02	RMS	32.6	-21.5	.1	50.22	54	-3.78	-	-	222	265	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	Amp/Cb/Filt/Pad (dB)	DC Corr (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	50.12	Pk	32.6	-21.5	0	61.22	-	-	74	-12.78	287	237	V
2	* 2.484	55.36	Pk	32.6	-21.5	0	66.46	-	-	74	-7.54	287	237	V
3	* 2.484	39.44	RMS	32.6	-21.5	.1	50.64	54	-3.36	-	-	287	237	V
4	* 2.484	41.25	RMS	32.6	-21.5	.1	52.45	54	-1.55	-	-	287	237	V

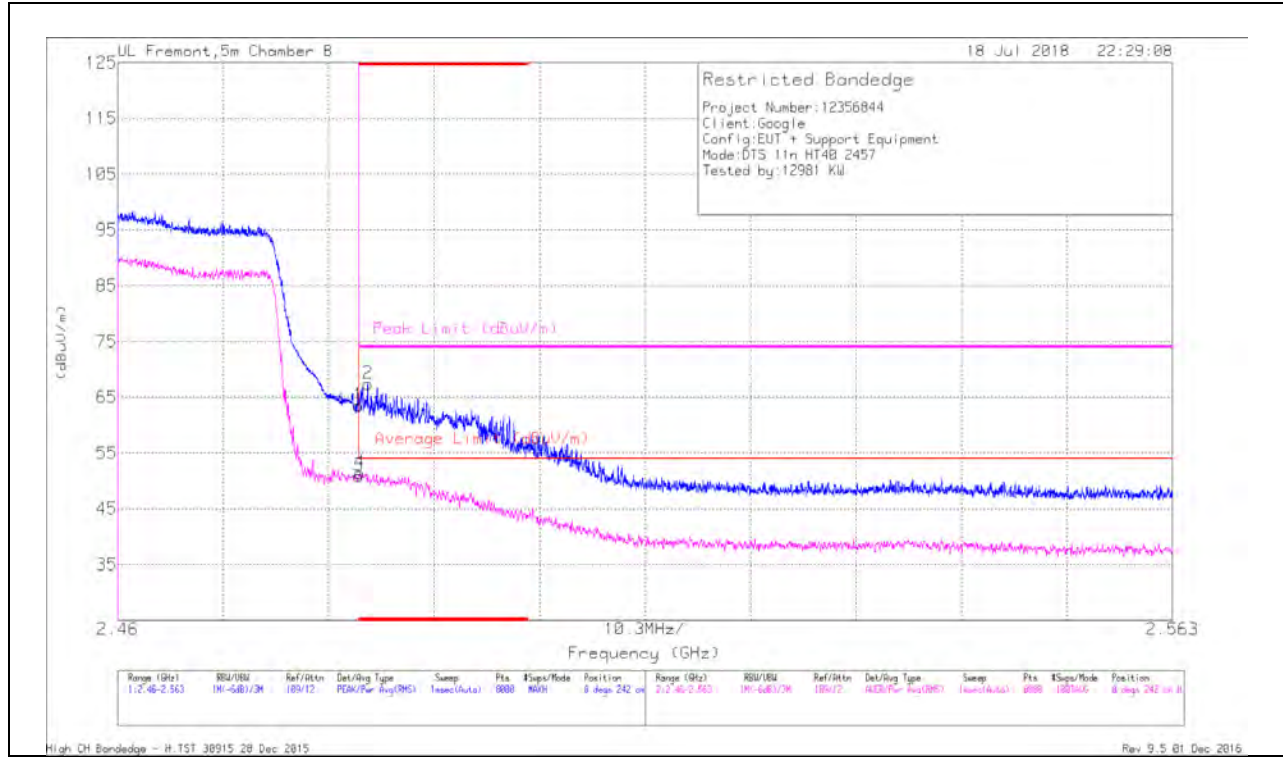
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANEDGE (HIGH CHANNEL, CH 10)

HORIZONTAL RESULT



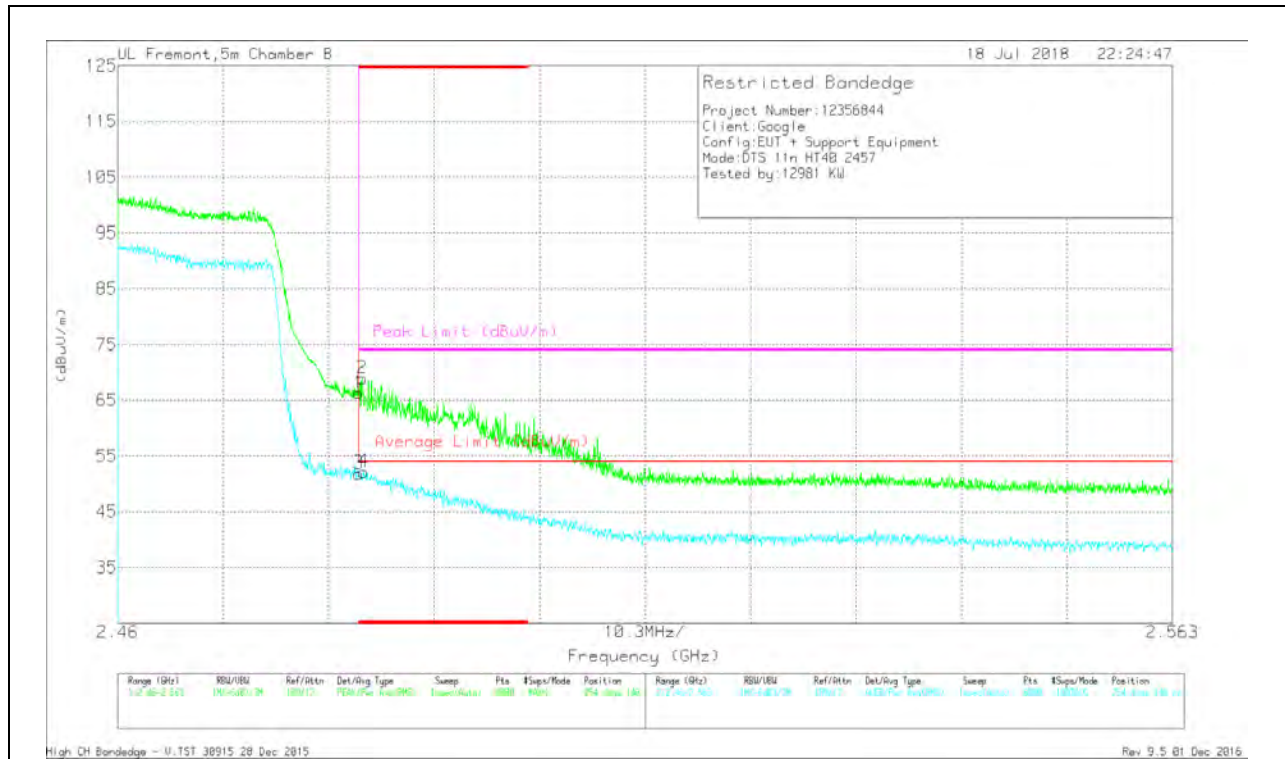
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	Amp/Cb/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.484	52.39	Pk	32.6	-21.5	0	63.49	-	-	74	-10.51	8	242	H
2	* 2.484	56.38	Pk	32.6	-21.5	0	67.48	-	-	74	-6.52	8	242	H
3	* 2.484	39.72	RMS	32.6	-21.5	.1	50.92	54	-3.08	-	-	8	242	H
4	* 2.484	40.16	RMS	32.6	-21.5	.1	51.36	54	-2.64	-	-	8	242	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

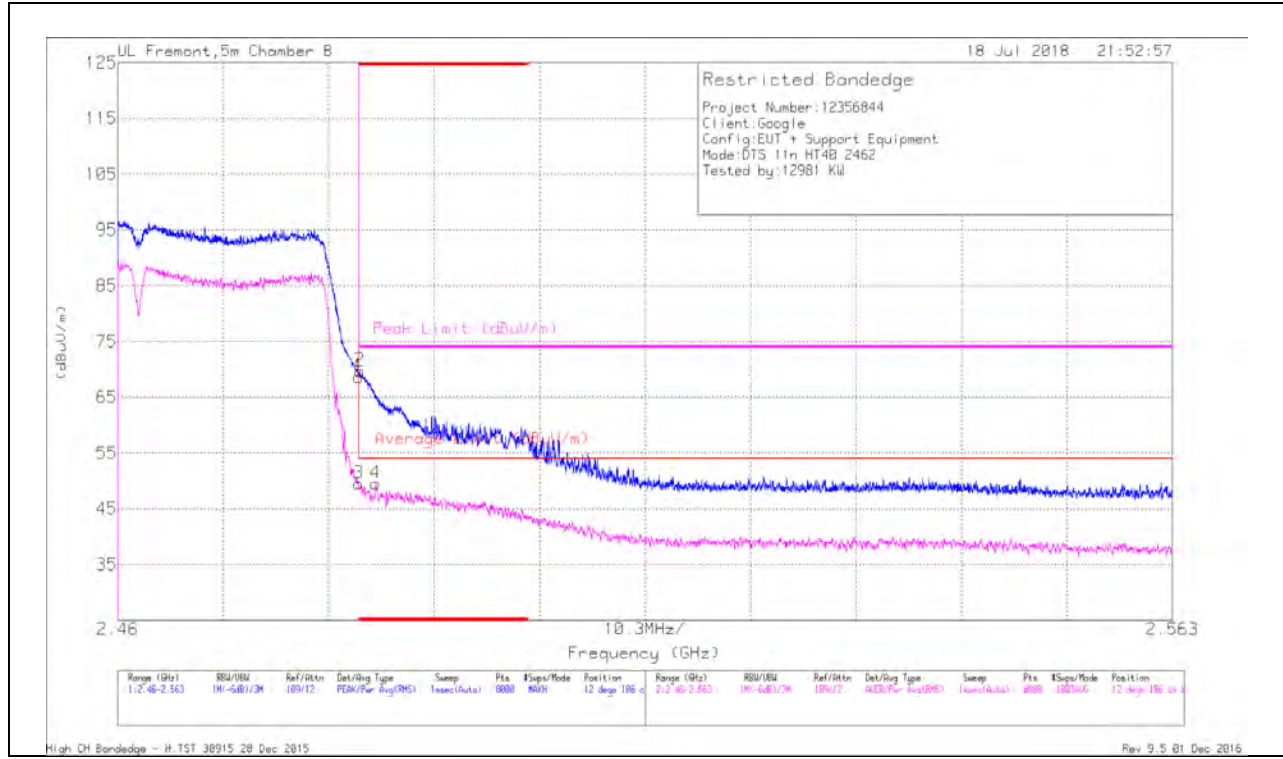


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T663 (dBm)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Dega)	Height (cm)	Polarity
1	* 2.484	55.19	Pk	32.6	-21.5	0	66.29	-	-	74	-7.71	254	148	V
2	* 2.484	57.76	Pk	32.6	-21.5	0	68.86	-	-	74	-5.14	254	148	V
3	* 2.484	40.64	RMS	32.6	-21.5	-1	51.84	54	-2.16	-	-	254	148	V
4	* 2.484	41	RMS	32.6	-21.5	-1	52.2	54	-1.8	-	-	254	148	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT



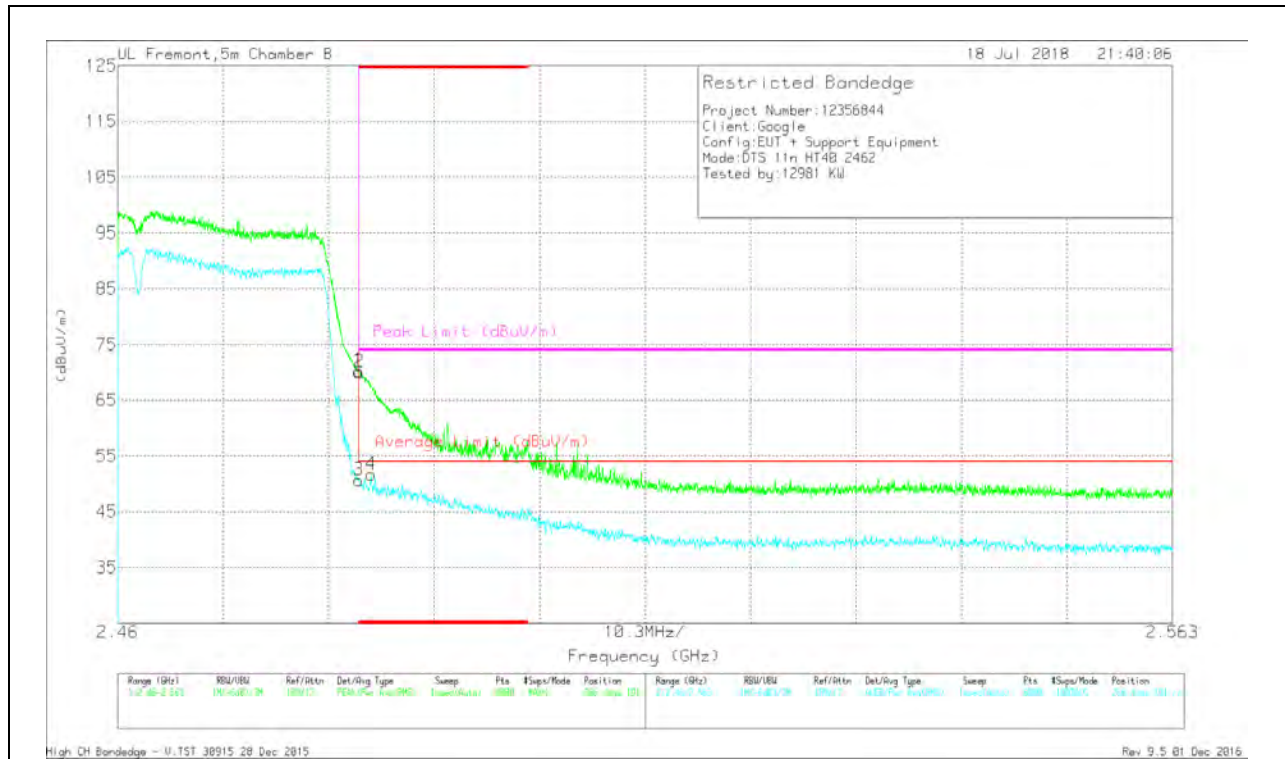
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	Amp/Cb/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.484	57.63	Pk	32.6	-21.5	0	68.73	-	-	74	-5.27	12	106	H
2	* 2.484	58.62	Pk	32.6	-21.5	0	69.72	-	-	74	-4.28	12	106	H
3	* 2.484	38.47	RMS	32.6	-21.5	.1	49.67	54	-4.33	-	-	12	106	H
4	* 2.485	38.4	RMS	32.6	-21.5	.1	49.6	54	-4.4	-	-	12	106	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	Amp/CbVftr/Pad (dB)	DC Corr (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	59.17	Pk	32.6	-21.5	0	70.27	-	-	74	-3.73	266	191	V
2	* 2.484	58.98	Pk	32.6	-21.5	0	70.08	-	-	74	-3.92	266	191	V
3	* 2.484	39.46	RMS	32.6	-21.5	.1	50.66	54	-3.34	-	-	266	191	V
4	* 2.485	40.48	RMS	32.6	-21.5	.1	51.68	54	-2.32	-	-	266	191	V

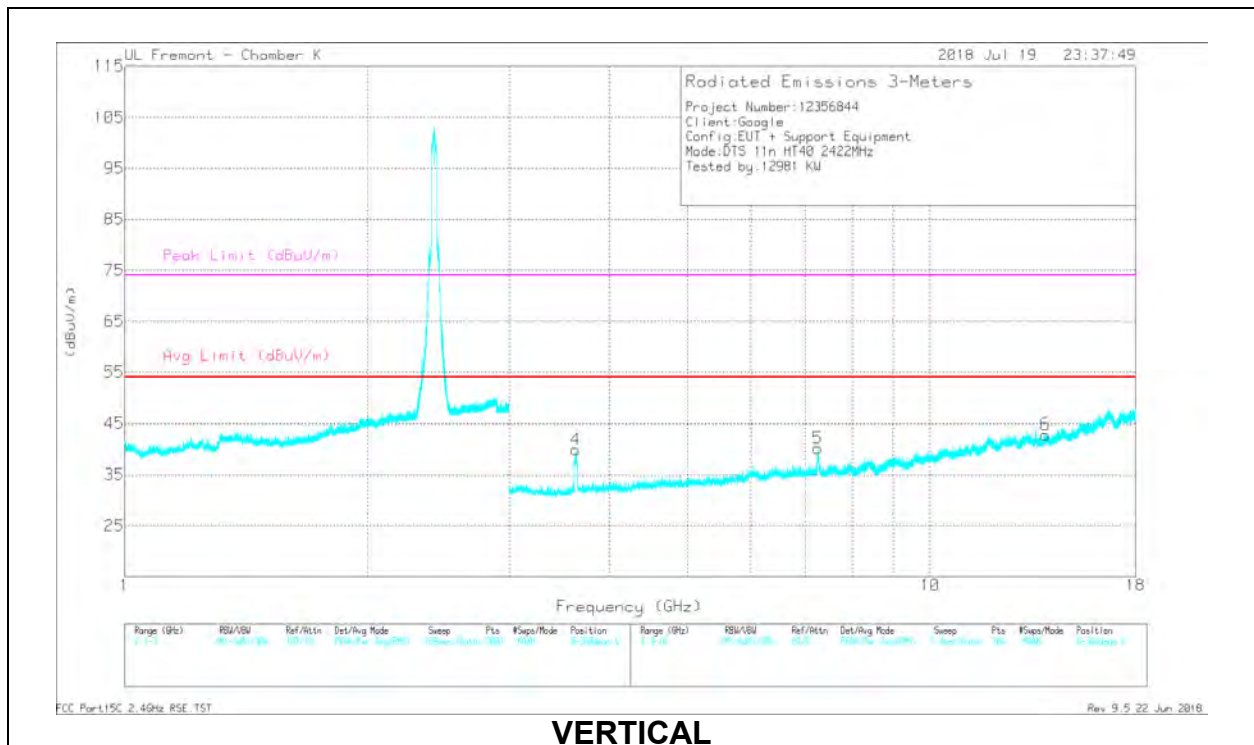
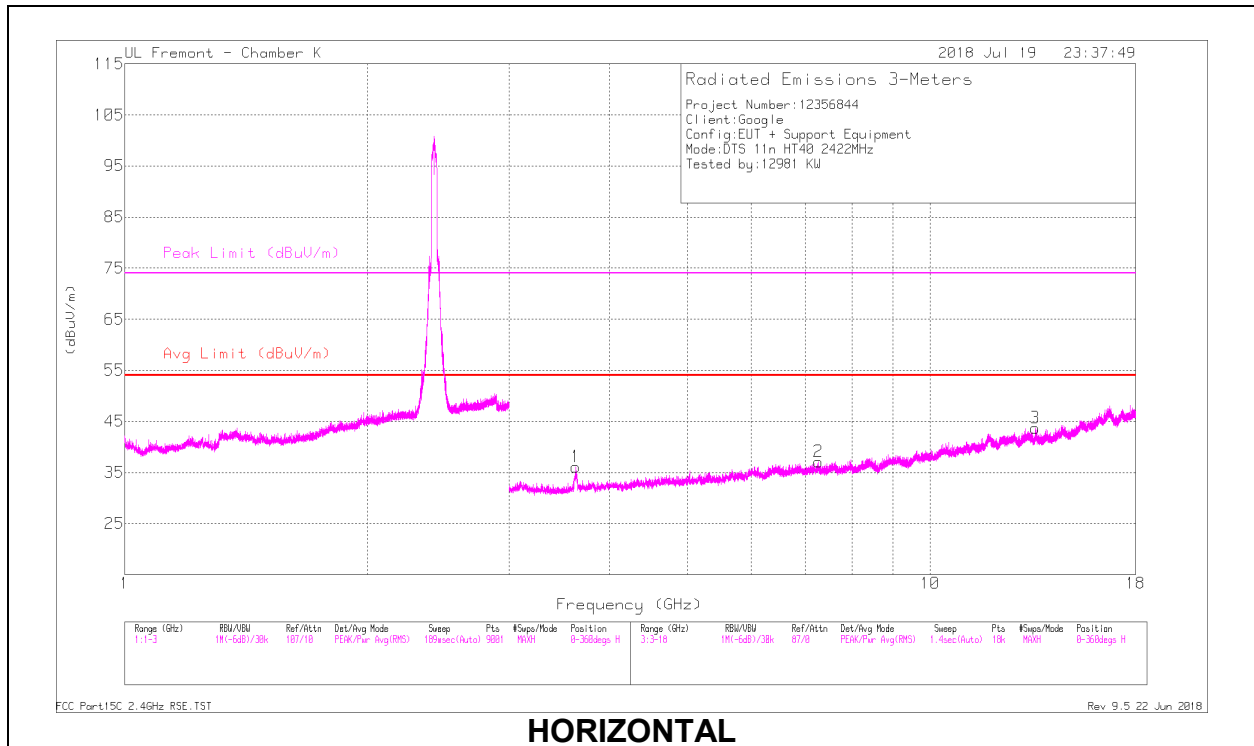
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL, CH 3 RESULTS



RADIATED EMISSIONS

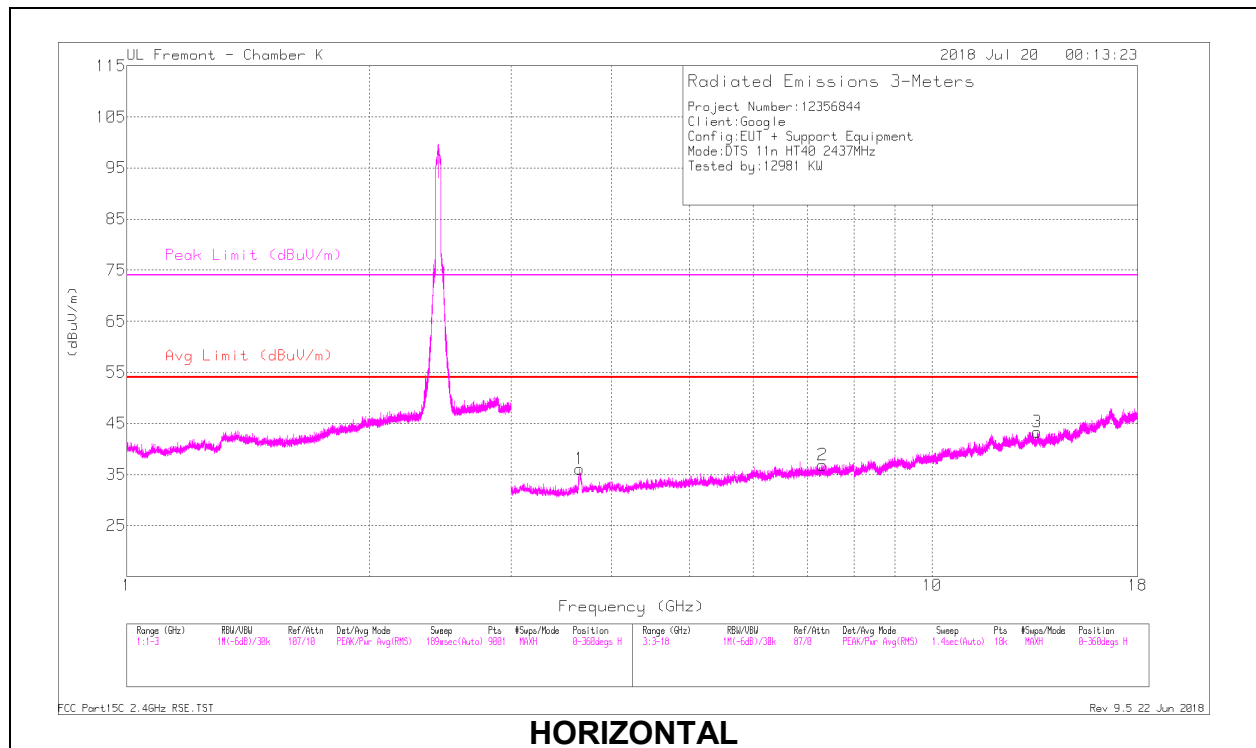
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 7.272	32.96	PK2	35.5	-26.4	0	42.06	-	-	74	-31.94	287	140	H
* 7.274	24.98	MAv1	35.5	-26.4	.1	34.18	54	-19.82	-	-	287	140	H
* 3.632	43.29	PK2	33	-32.2	0	44.09	-	-	74	-29.91	102	185	H
* 3.632	33.99	MAv1	33	-32.2	.1	34.89	54	-19.11	-	-	102	185	H
* 7.557	35.93	PK2	35.6	-25.5	0	46.03	-	-	74	-27.97	228	237	V
* 7.348	25.04	MAv1	35.5	-26.4	.1	34.24	54	-19.76	-	-	228	237	V
* 3.634	39.27	PK2	33	-32.2	0	40.07	-	-	74	-33.93	275	242	V
* 3.632	29.95	MAv1	33	-32.2	.1	30.85	54	-23.15	-	-	275	242	V

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

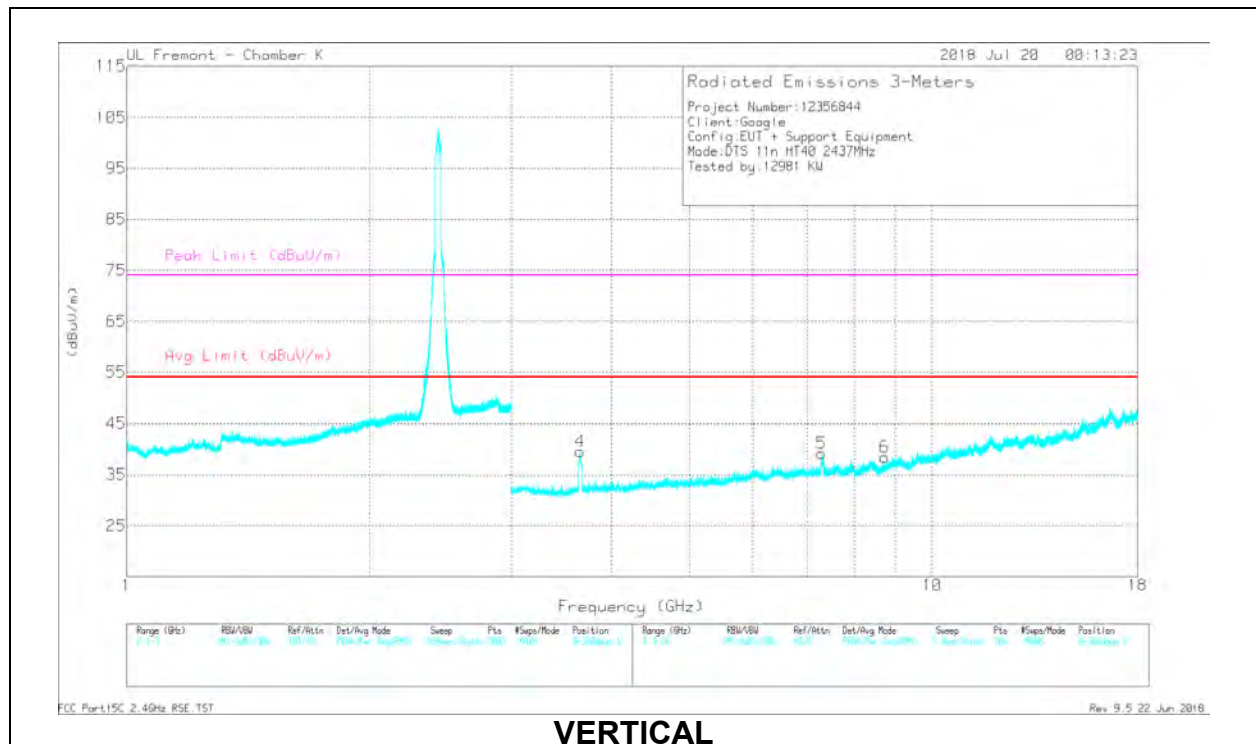
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL, CH 6 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

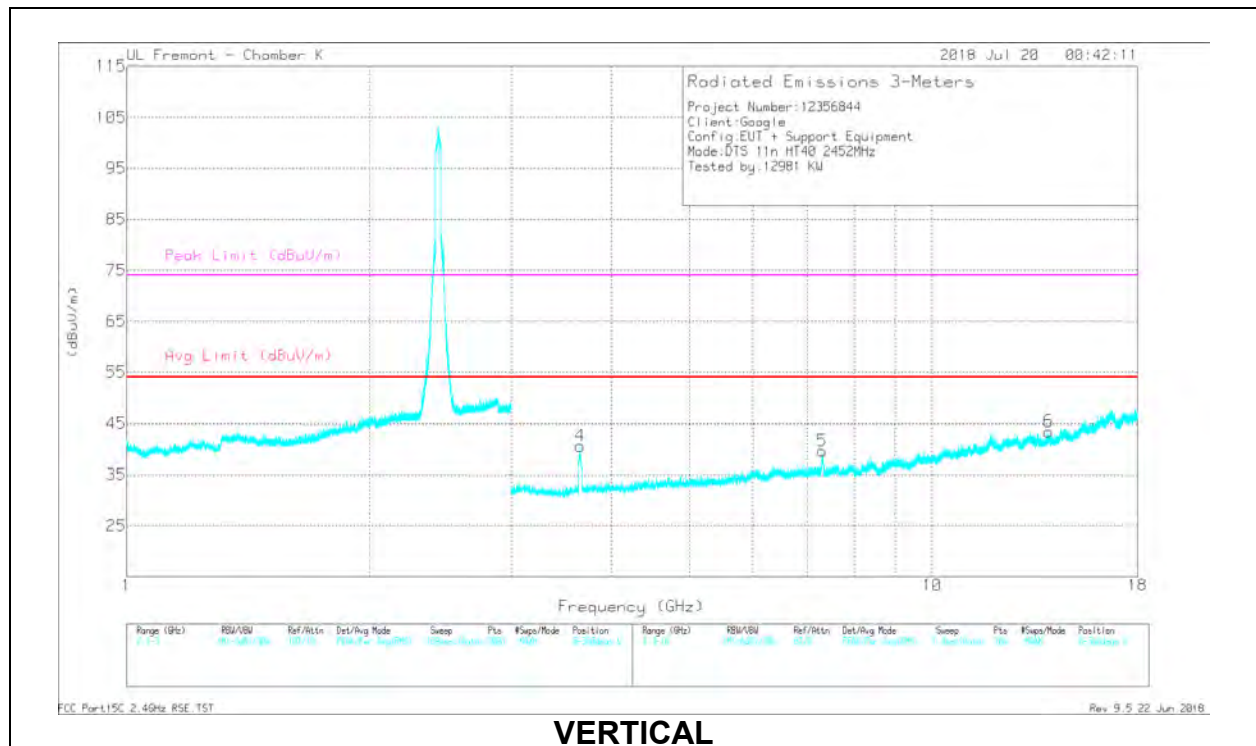
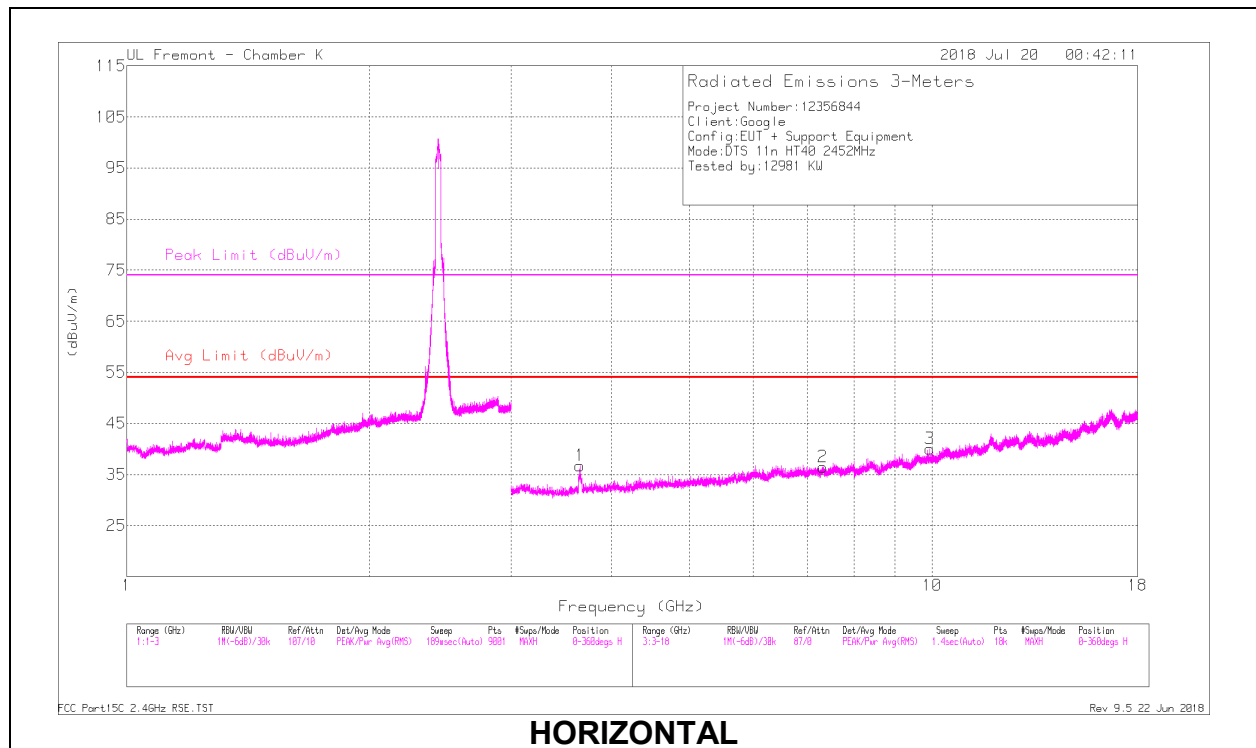
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 7.314	34.1	PK2	35.5	-26.3	0	43.3	-	-	74	-30.7	267	147	H
* 7.313	25.51	MAv1	35.5	-26.3	.1	34.81	54	-19.19	-	-	267	147	H
* 3.65	41.67	PK2	32.9	-32.2	0	42.37	-	-	74	-31.63	84	102	H
* 3.648	32.58	MAv1	32.9	-32.2	.1	33.38	54	-20.62	-	-	84	102	H
* 3.658	46.38	PK2	33	-32	0	47.38	-	-	74	-26.62	142	127	V
* 3.657	38.28	MAv1	33	-32	.1	39.38	54	-14.62	-	-	142	127	V
* 7.297	38.02	PK2	35.5	-26.3	0	47.22	-	-	74	-26.78	223	251	V
* 7.3	28.78	MAv1	35.5	-26.3	.1	38.08	54	-15.92	-	-	223	251	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL, CH 9 RESULTS



RADIATED EMISSIONS

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (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
* 7.314	35.65	PK2	35.5	-26.3	0	44.85	-	-	74	-29.15	304	248	H
* 7.315	25.87	MAv1	35.5	-26.4	.1	35.07	54	-18.93	-	-	304	248	H
* 3.654	43.44	PK2	32.9	-32.1	0	44.24	-	-	74	-29.76	98	184	H
* 3.652	34.29	MAv1	32.9	-32.2	.1	35.09	54	-18.91	-	-	98	184	H
* 3.655	47.32	PK2	32.9	-32.1	0	48.12	-	-	74	-25.88	121	173	V
* 3.656	38.58	MAv1	33	-32	.1	39.68	54	-14.32	-	-	121	173	V
* 7.306	40.12	PK2	35.5	-26.3	0	49.32	-	-	74	-24.68	223	239	V
* 7.307	29.15	MAv1	35.5	-26.3	.1	38.45	54	-15.55	-	-	223	239	V

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

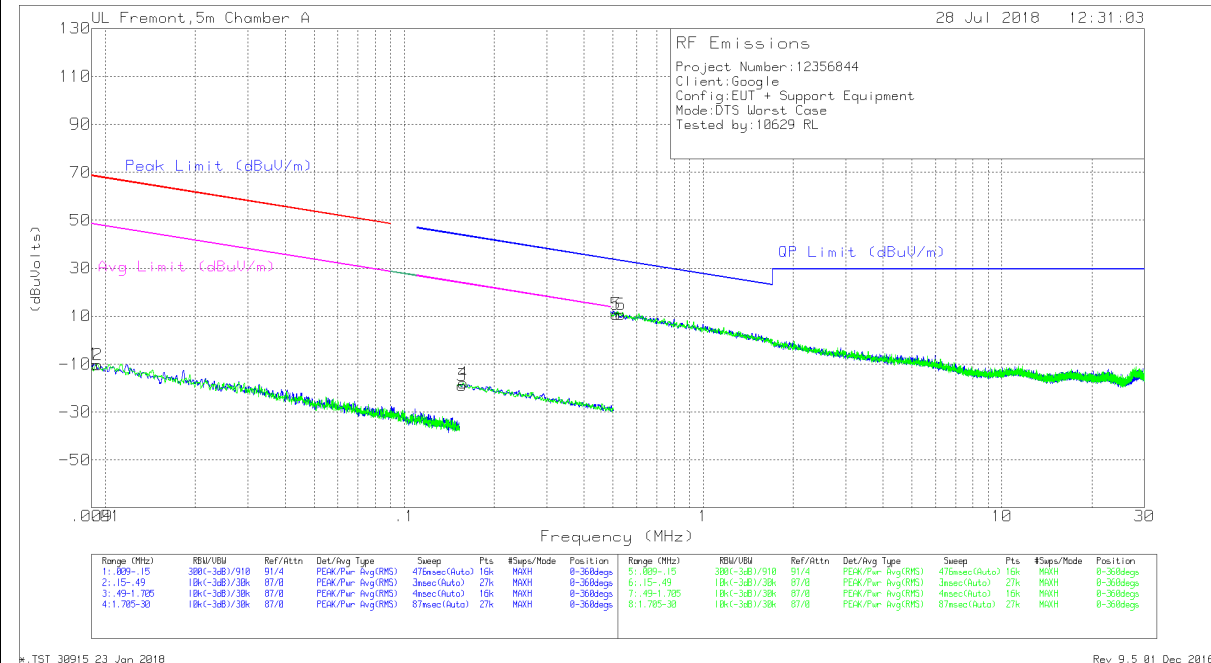
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

9.2. WORST-CASE BELOW 30 MHz

SPURIOUS EMISSIONS BELOW 30 MHz (WORST-CASE CONFIGURATION)

FACE ON AND FACE OFF PLOTS



NOTE: KDB 414788 OATS and Chamber Correlation Justification

- Based on FCC 15.31 (f) (2): measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field.
- OATs and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

Trace Markers

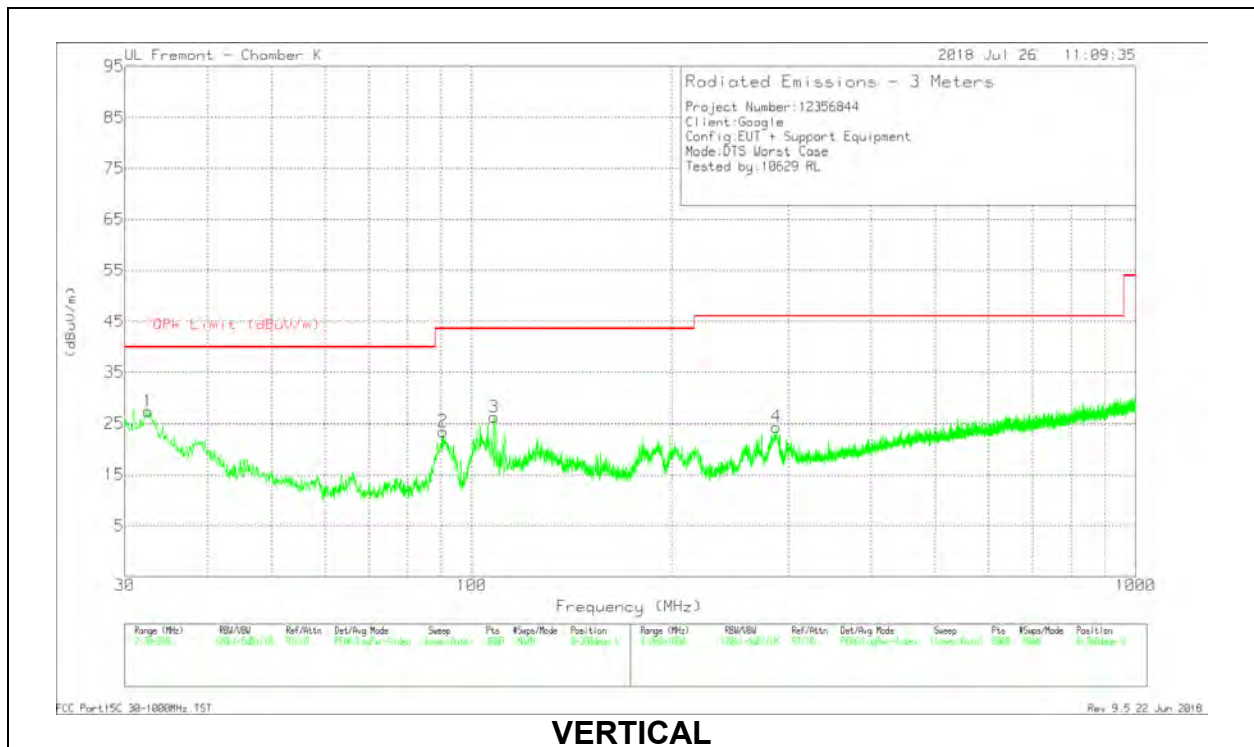
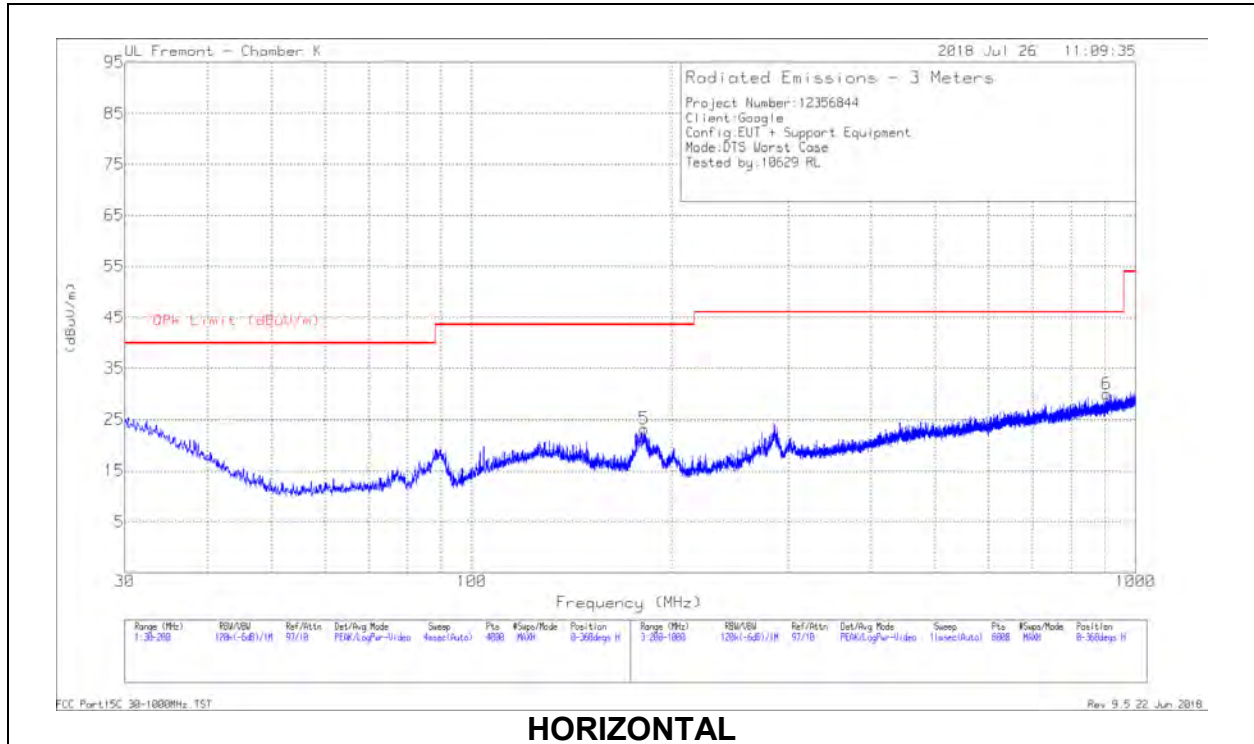
Marker	Frequency(MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dB/m)	Cbl (dB)	Dist Corr 300m	Corrected Reading (dBuVolts)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
1	.00916	54.06	Pk	15.6	.1	-80	-10.24	68.35	-78.59	48.35	-58.59	0-360
2	.00943	54.12	Pk	15.5	.1	-80	-10.28	68.09	-78.37	48.09	-58.37	0-360
3	.15623	47.25	Pk	13.8	.1	-80	-18.85	43.75	-62.6	23.75	-42.6	0-360
4	.15764	48.14	Pk	13.8	.1	-80	-17.96	43.67	-61.63	23.67	-41.63	0-360

Pk - Peak detector

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dB/m)	Cbl (dB)	Dist Corr 30m	Corrected Reading (dBuVolts)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
5	.51151	36.77	Pk	13.9	.1	-40	10.77	33.43	-22.66	0-360
6	.53096	36.63	Pk	13.9	.1	-40	10.63	33.1	-22.47	0-360

Pk - Peak detector

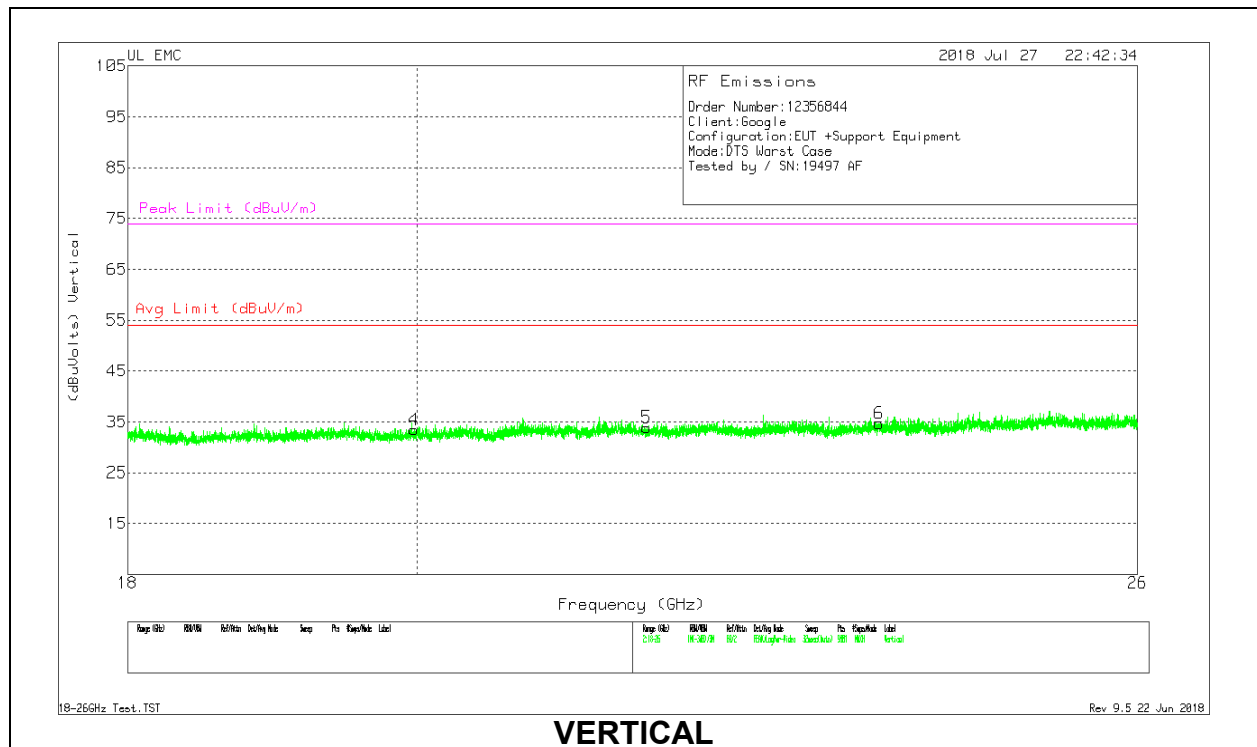
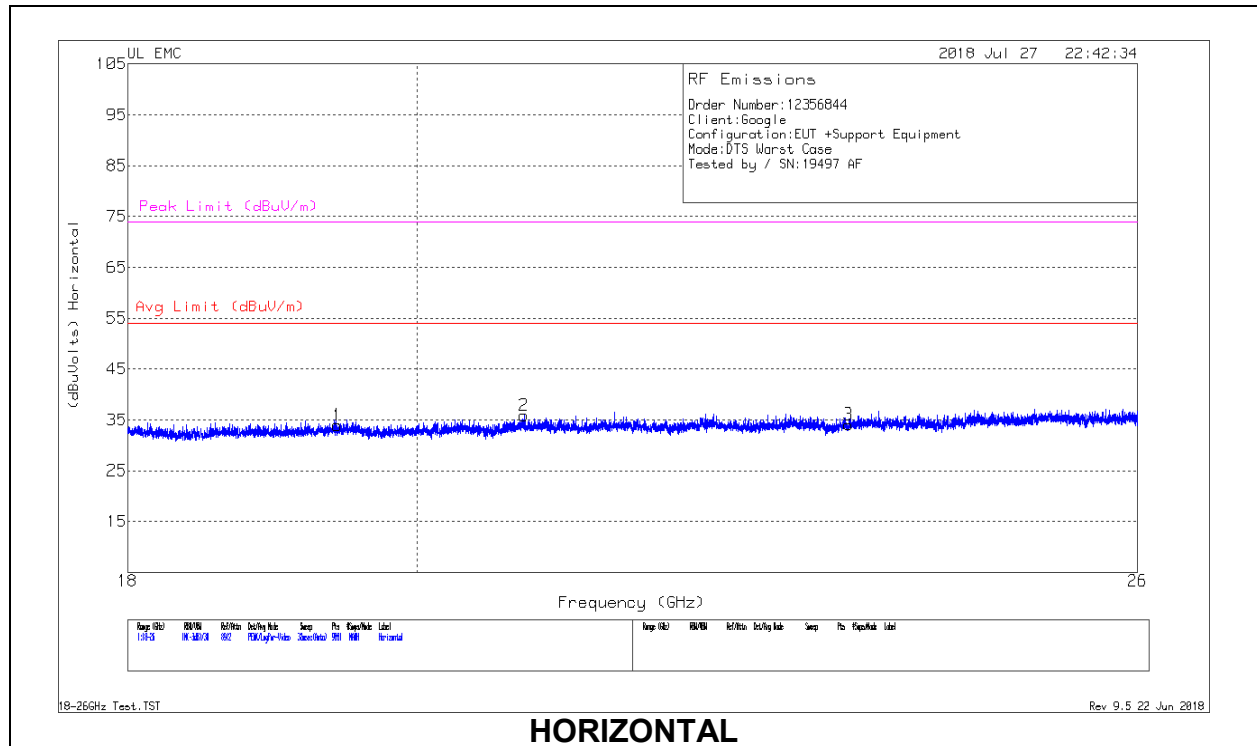
9.3. Worst Case Below 1 GHz



Below 1GHz DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T407 (dB)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5	181.8068	34.36	Pk	15.2	-26.4	23.16	43.52	-20.36	0-360	199	H
1	32.5081	31.72	Pk	23.3	-27.7	27.32	40	-12.68	0-360	100	V
2	90.5144	38.72	Pk	11.8	-27.1	23.42	43.52	-20.1	0-360	100	V
3	107.9227	36.95	Pk	16.3	-27	26.25	43.52	-17.27	0-360	100	V
6	903.9915	26.6	Pk	26.4	-23	30	46.02	-16.02	0-360	100	H
4	287.9114	32.89	Pk	17.3	-25.9	24.29	46.02	-21.73	0-360	100	V

9.4. Worst Case 18-26 GHz



18 – 26GHz DATA

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	T448 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	19.429	67.99	Pk	32.7	-57.3	-9.5	33.89	54	-20.11	74	-40.11
2	20.796	68.86	Pk	33.1	-56.6	-9.5	35.86	54	-18.14	74	-38.14
3	23.403	67.14	Pk	33.8	-57.4	-9.5	34.04	54	-19.96	74	-39.96
4	19.98	67.15	Pk	32.7	-56.9	-9.5	33.45	54	-20.55	74	-40.55
5	21.745	67.35	Pk	33.2	-57.2	-9.5	33.85	54	-20.15	74	-40.15
6	23.665	67.47	Pk	33.9	-57.2	-9.5	34.67	54	-19.33	74	-39.33

10. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

RSS-Gen 8.8

Frequency of Emission (MHz)	Conducted Limit (dBμV)	
	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 C63.10.

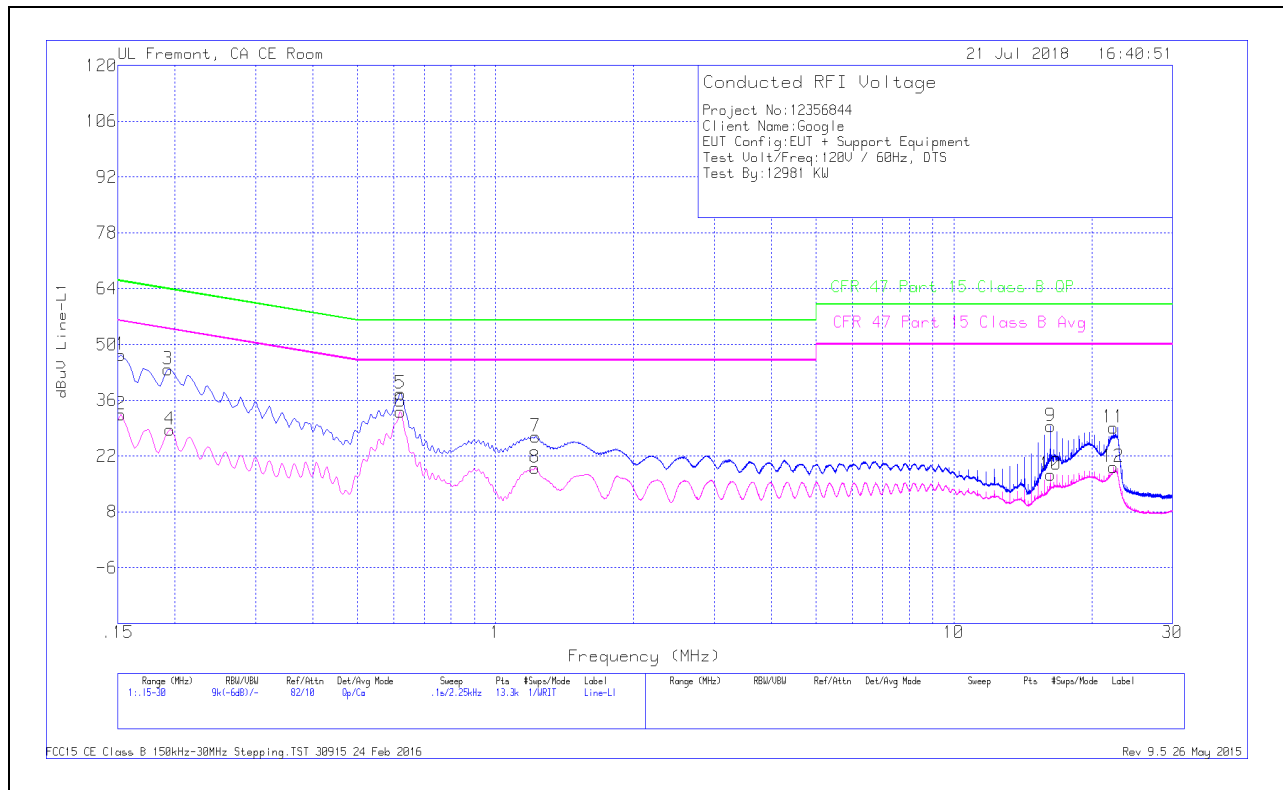
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

10.1.1. EUT POWERED BY AC/DC ADAPTER

LINE 1 RESULTS

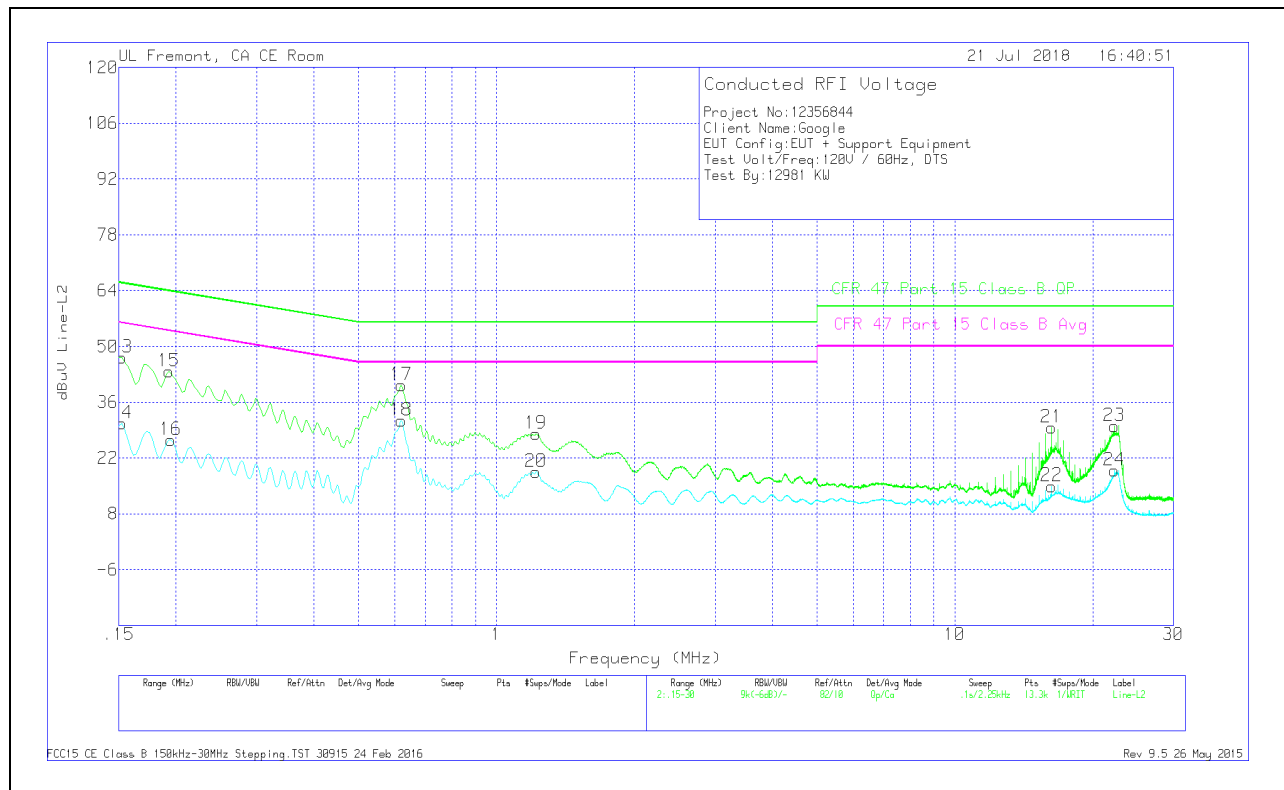


Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L1	LC Cables C1&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
1	.15225	37.16	Qp	.1	0	10.1	47.36	65.88	-18.52	-	-
2	.15225	22.22	Ca	.1	0	10.1	32.42	-	-	55.88	-23.46
3	.19275	33.69	Qp	0	0	10.1	43.79	63.92	-20.13	-	-
4	.195	18.46	Ca	0	0	10.1	28.56	-	-	53.82	-25.26
5	.62025	27.6	Qp	0	0	10.1	37.7	56	-18.3	-	-
6	.62025	23.09	Ca	0	0	10.1	33.19	-	-	46	-12.81
7	1.22325	16.68	Qp	0	.1	10.1	26.88	56	-29.12	-	-
8	1.221	8.83	Ca	0	.1	10.1	19.03	-	-	46	-26.97
9	16.2712	18.8	Qp	.1	.3	10.3	29.5	60	-30.5	-	-
10	16.2712	6.65	Ca	.1	.3	10.3	17.35	-	-	50	-32.65
11	22.2787	18.4	Qp	.1	.3	10.4	29.2	60	-30.8	-	-
12	22.2787	8.39	Ca	.1	.3	10.4	19.19	-	-	50	-30.81

Qp - Quasi-Peak detector

Ca - CISPR average detection

LINE 2 RESULTS



Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L2	LC Cables C2&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
13	.15225	36.99	Qp	.1	0	10.1	47.19	65.88	-18.69	-	-
14	.15225	20.55	Ca	.1	0	10.1	30.75	-	-	55.88	-25.13
15	.19275	33.65	Qp	0	0	10.1	43.75	63.92	-20.17	-	-
16	.195	16.44	Ca	0	0	10.1	26.54	-	-	53.82	-27.28
17	.62025	30.1	Qp	0	0	10.1	40.2	56	-15.8	-	-
18	.62025	21.28	Ca	0	0	10.1	31.38	-	-	46	-14.62
19	1.21875	17.83	Qp	0	.1	10.1	28.03	56	-27.97	-	-
20	1.221	8.36	Ca	0	.1	10.1	18.56	-	-	46	-27.44
21	16.2712	19.03	Qp	.1	.3	10.3	29.73	60	-30.27	-	-
22	16.2712	4.27	Ca	.1	.3	10.3	14.97	-	-	50	-35.03
23	22.2787	19.21	Qp	.1	.3	10.4	30.01	60	-29.99	-	-
24	22.2787	8.06	Ca	.1	.3	10.4	18.86	-	-	50	-31.14

Qp - Quasi-Peak detector

Ca - CISPR average detection