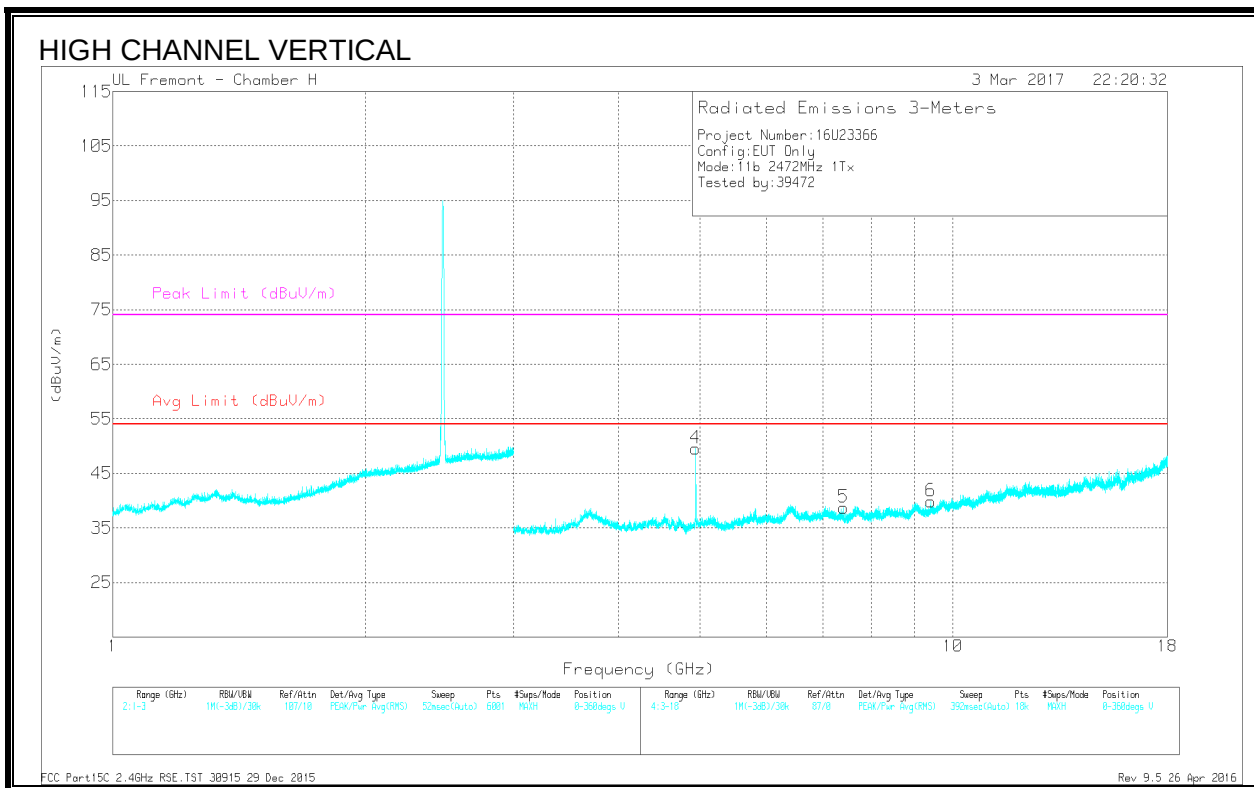
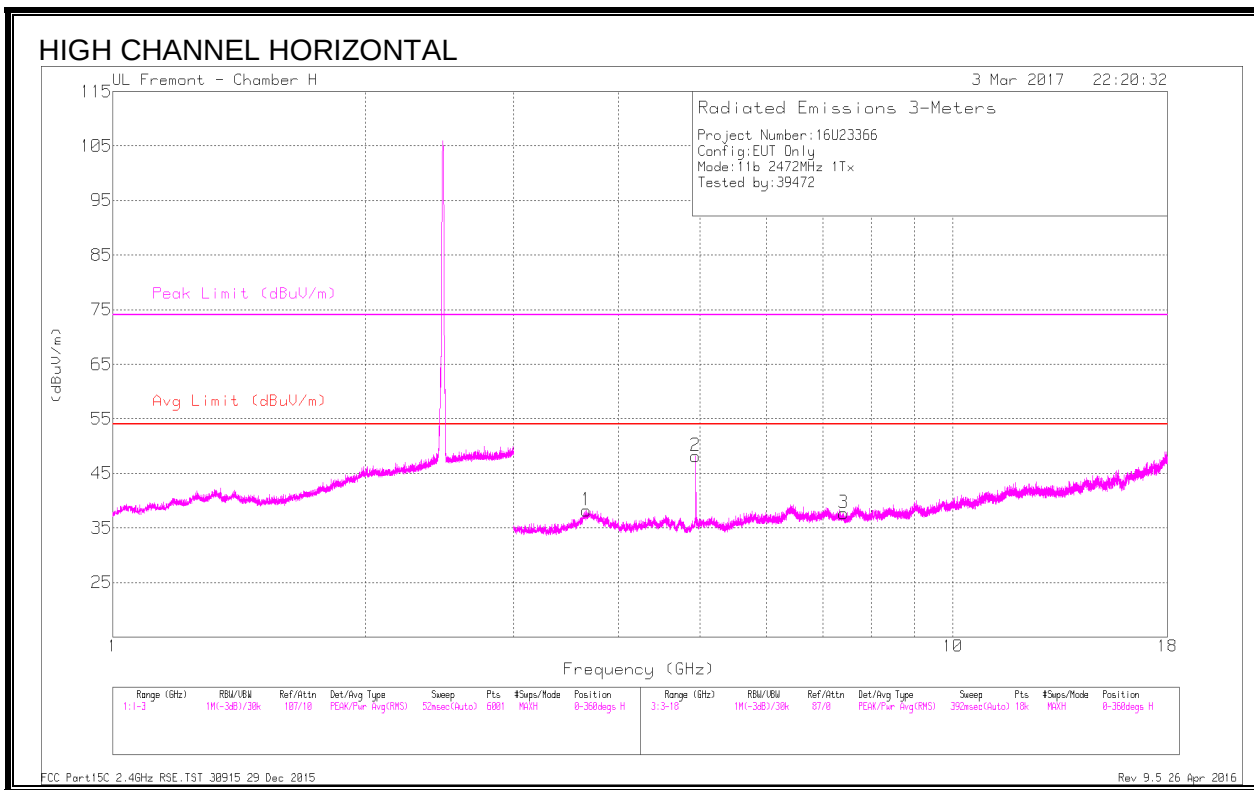


HARMONICS AND SPURIOUS EMISSIONS HIGH CHANNEL, CH 13)



Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T120 (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
1	* 3.667	45.22	PK2	34.9	-35.9	44.22	-	-	74	-29.78	0	100	H
	* 3.667	35.02	MAv1	34.9	-35.9	34.02	54	-19.98	-	-	0	100	H
2	* 4.944	51.28	PK2	34	-34.3	50.98	-	-	74	-23.02	121	294	H
	* 4.944	47.53	MAv1	34	-34.3	47.23	54	-6.77	-	-	121	294	H
3	* 7.417	39.98	PK2	35.7	-31.2	44.48	-	-	74	-29.52	66	101	H
	* 7.415	30.08	MAv1	35.7	-31.1	34.68	54	-19.32	-	-	66	101	H
4	* 4.944	53.97	PK2	34	-34.3	53.67	-	-	74	-20.33	85	297	V
	* 4.944	50.32	MAv1	34	-34.3	50.02	54	-3.98	-	-	85	297	V
5	* 7.414	41.54	PK2	35.7	-31	46.24	-	-	74	-27.76	102	229	V
	* 7.414	32.84	MAv1	35.7	-31	37.54	54	-16.46	-	-	102	229	V
6	* 9.414	38.28	PK2	36.8	-28.6	46.48	-	-	74	-27.52	208	174	V
	* 9.414	27.28	MAv1	36.8	-28.6	35.48	54	-18.52	-	-	208	174	V

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

PK2 - KDB558074 Method: Maximum Peak

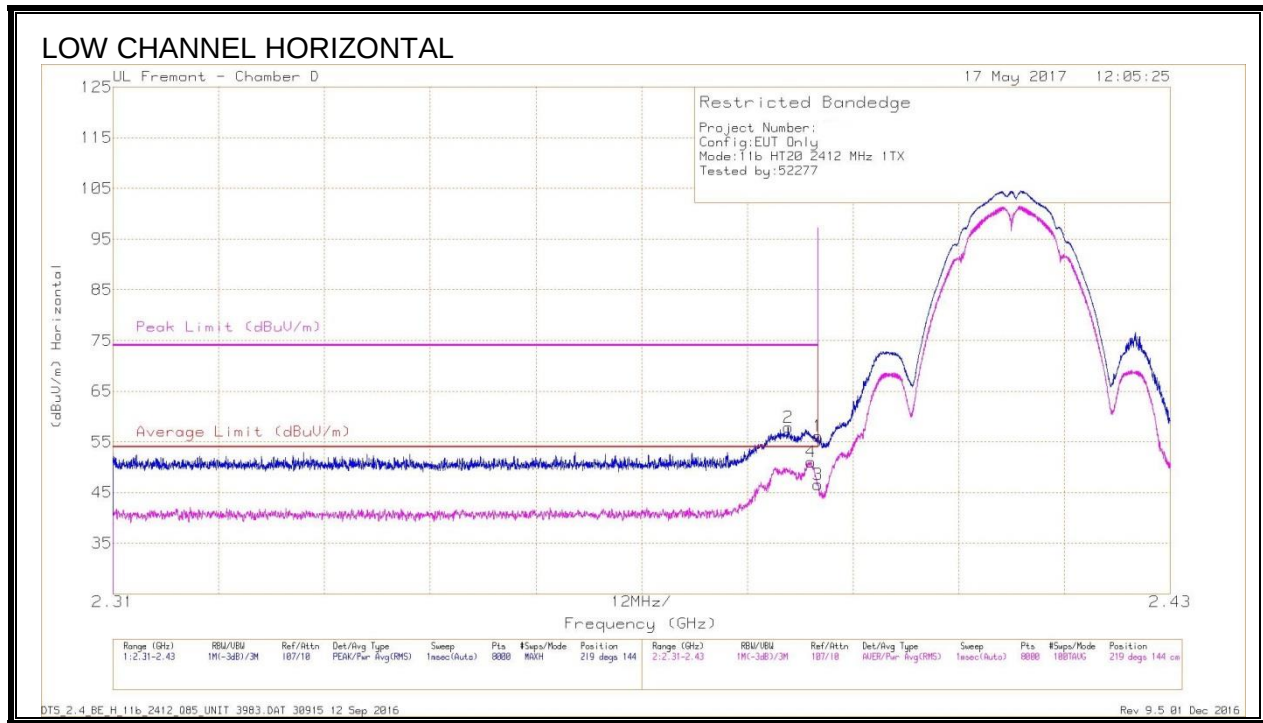
MAv1 - KDB558074 Option 1 Maximum RMS Average

FCC Part15C 2.4GHz RSE.TST 30915 29 Dec 2015

Rev 9.5 26 Apr 2016

9.2.2. 11b LAT 3 SISO MODE IN THE 2.4GHz BAND

AUTHORIZED BANDEDGE (LOW CHANNEL, CH 1)



Marker	Frequ ncy (GHz)	Meter Readin g (dBuV)	Det	AF T120 (dB/m)	Amp/C bl/Filtr/ Pad (dB)	Correct ed Readin g (dBuV/ m)	Averag e Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimet h (Degs)	Height (cm)	Polarity
1	* 2.39	44.68	Pk	32.1	-20.7	56.08	-	-	74	-17.92	219	144	H
2	* 2.387	46.58	Pk	32.1	-20.8	57.88	-	-	74	-16.12	219	144	H
3	* 2.39	35.11	RMS	32.1	-20.7	46.51	54	-7.49	-	-	219	144	H
4	* 2.389	39.72	RMS	32.1	-20.8	51.02	54	-2.98	-	-	219	144	H

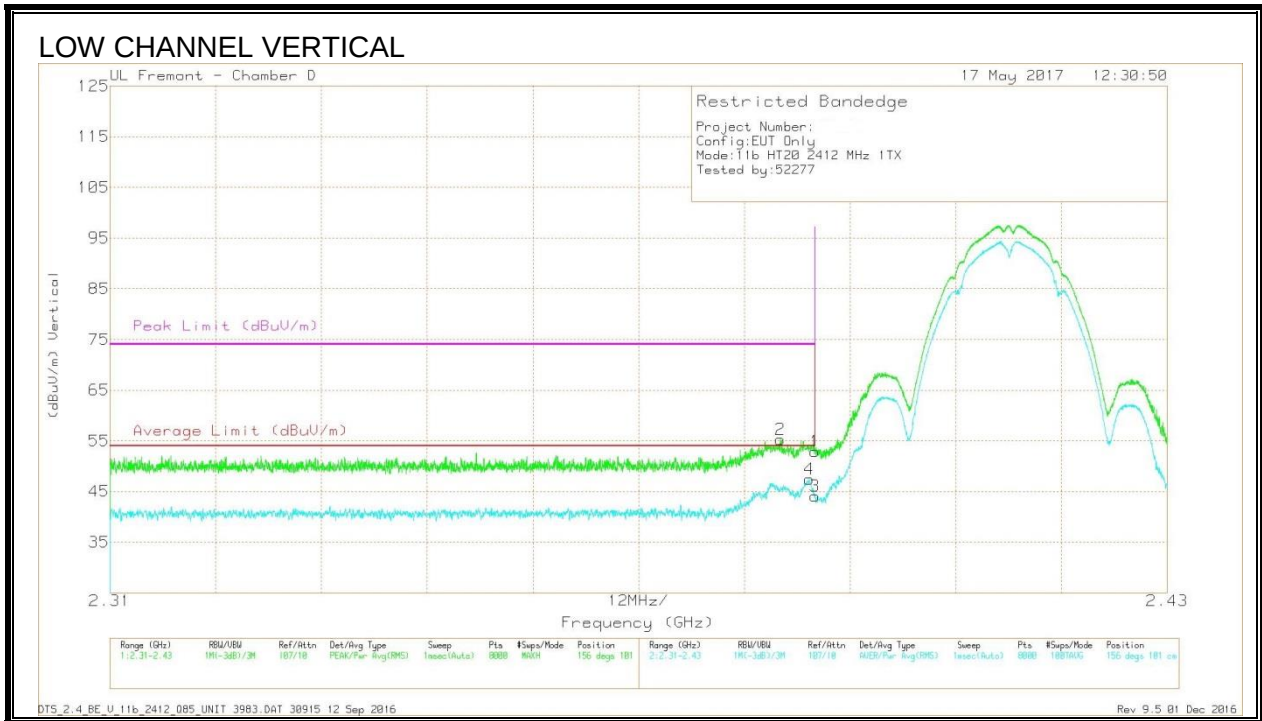
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

DTS_2.4_BE_H_11b_2412_Q85_UNIT 3983.DAT 30915 12 Sep 2016

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Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (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	41.5	Pk	32.1	-20.7	52.9	-	-	74	-21.1	156	101	V
2	* 2.386	43.91	Pk	32.1	-20.8	55.21	-	-	74	-18.79	156	101	V
3	* 2.39	32.71	RMS	32.1	-20.7	44.11	54	-9.89	-	-	156	101	V
4	* 2.389	36.09	RMS	32.1	-20.8	47.39	54	-6.61	-	-	156	101	V

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

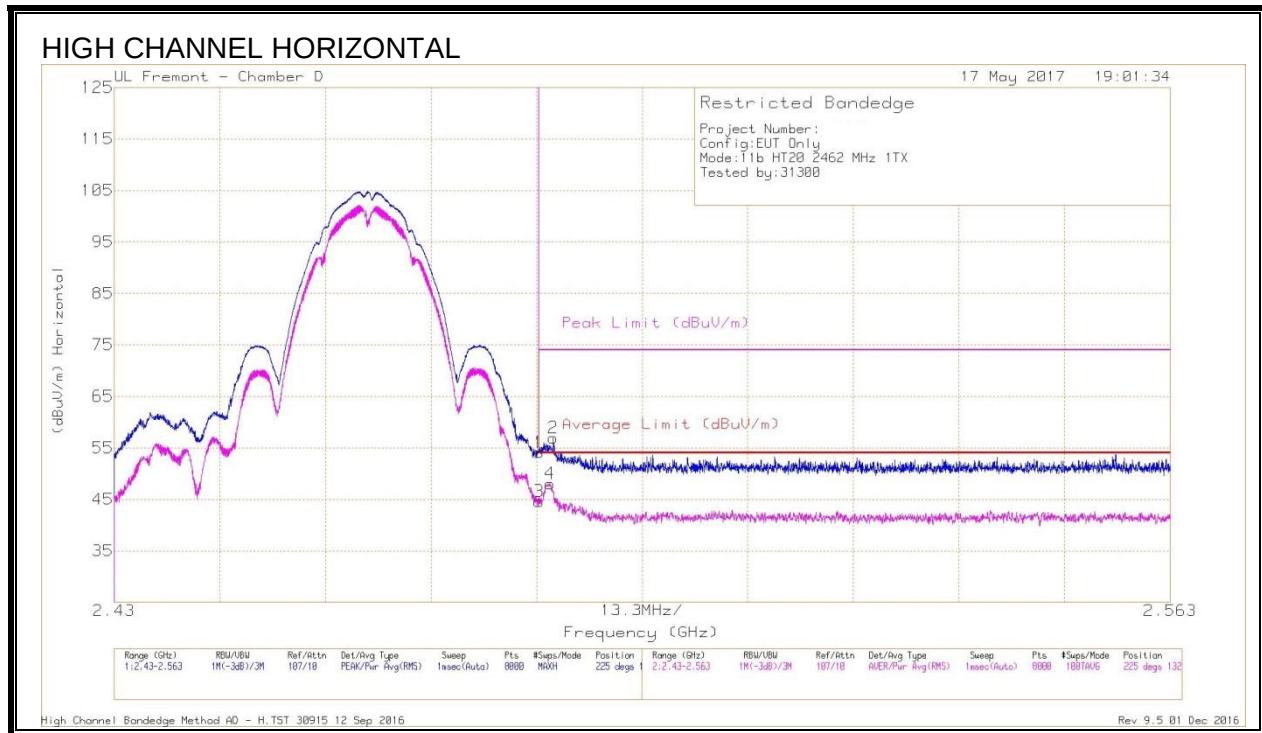
Pk - Peak detector

RMS - RMS detection

DTS_2.4_BE_V_11b_2412_Q85_UNIT_3983.DAT 30915 12 Sep 2016

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AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 11)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (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	42.4	Pk	32.5	-20.8	54.1	-	-	74	-19.9	225	132	H
3	* 2.484	32.9	RMS	32.5	-20.8	44.6	54	-9.4	-	-	225	132	H
2	* 2.485	45.24	Pk	32.5	-20.8	56.94	-	-	74	-17.06	225	132	H
4	* 2.485	36.35	RMS	32.5	-20.8	48.05	54	-5.95	-	-	225	132	H

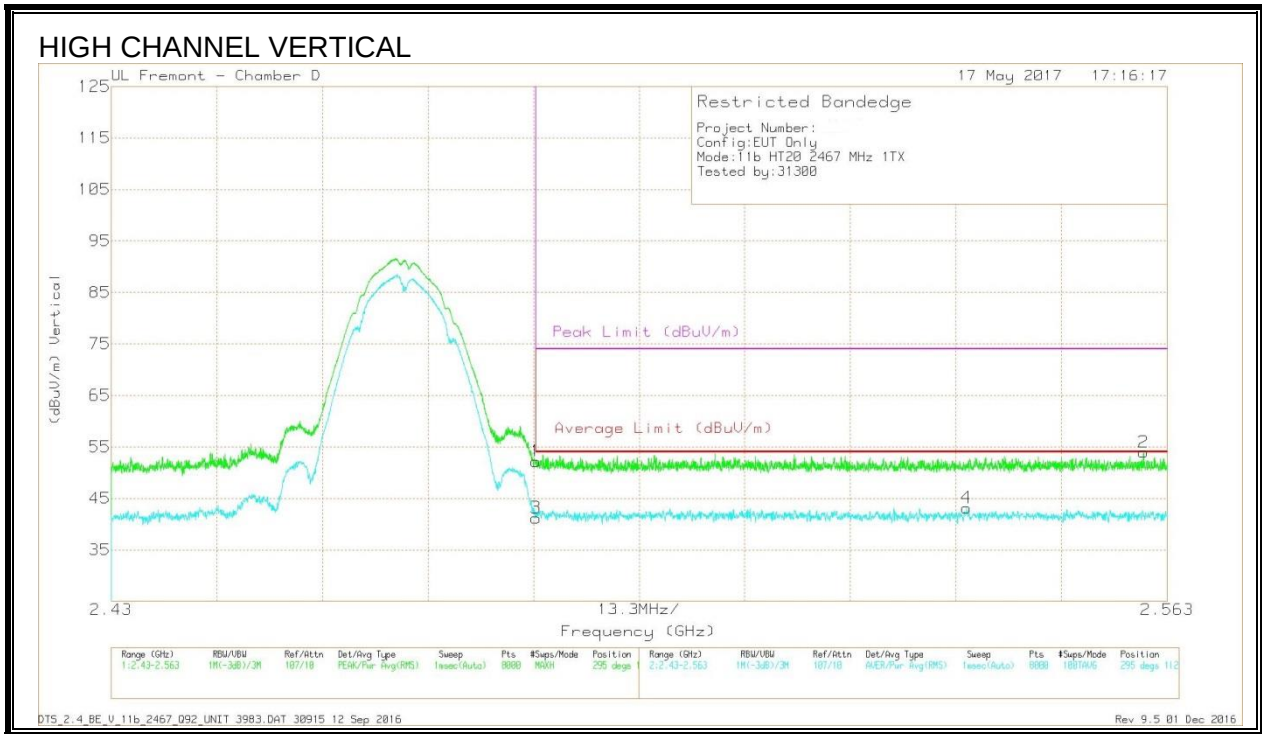
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

High Channel Bandedge Method AD - H.TST 30915 12 Sep 2016

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Marker	Frequ ncy (GHz)	Meter Readin g (dBuV)	Det	AFT120 (dB/m)	Amp/C bl/Filtr/ Pad (dB)	Correct ed Readin g (dBuV/ m)	Averag e Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimet h (Degs)	Height (cm)	Polarity
1	* 2.484	40.52	Pk	32.5	-20.8	52.22	-	-	74	-21.78	295	112	V
3	* 2.484	29.51	RMS	32.5	-20.8	41.21	54	-12.79	-	-	295	112	V
4	2.538	31.17	RMS	32.6	-20.6	43.17	54	-10.83	-	-	295	112	V
2	2.56	42.09	Pk	32.5	-20.6	53.99	-	-	74	-20.01	295	112	V

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

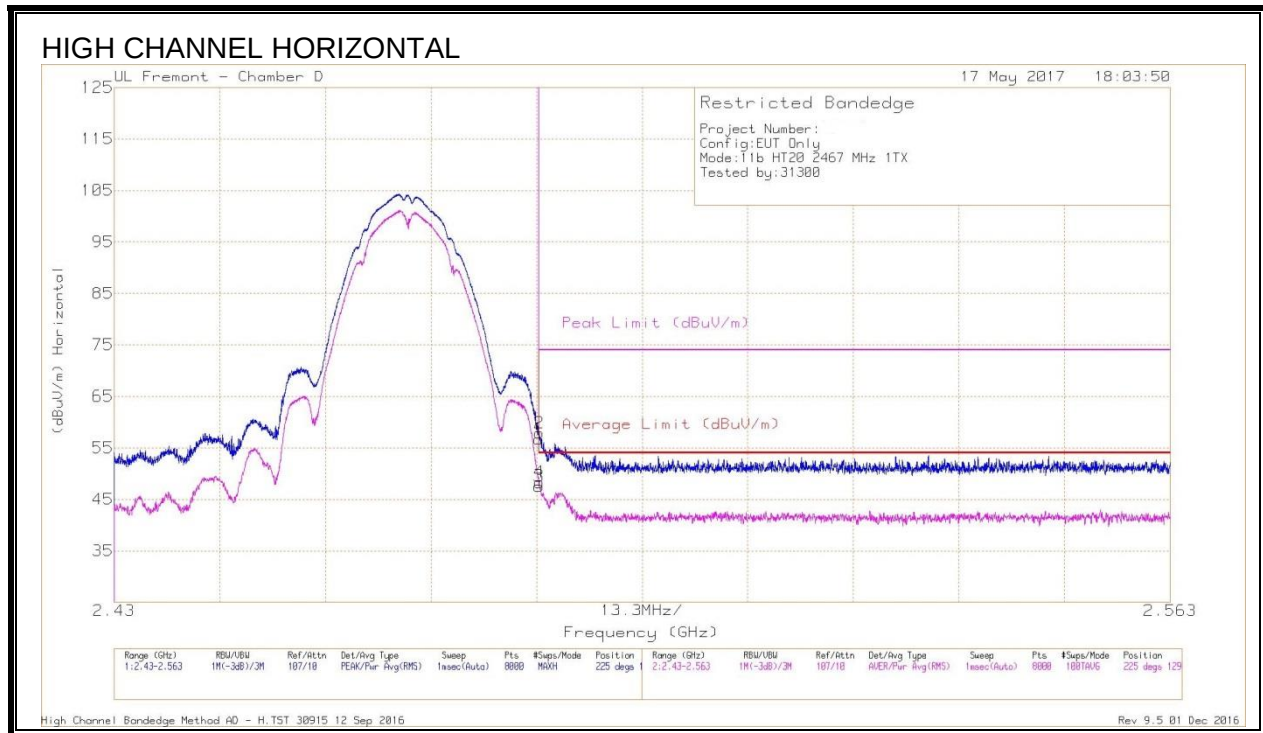
Pk - Peak detector

RMS - RMS detection

DTS_2_4_BE_V_11b_2467_Q92_UNIT_3983.DAT 30915 12 Sep 2016

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AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 12)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (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	45.01	Pk	32.5	-20.8	56.71	-	-	74	-17.29	225	129	H
2	* 2.484	46.21	Pk	32.5	-20.8	57.91	-	-	74	-16.09	225	129	H
3	* 2.484	35.85	RMS	32.5	-20.8	47.55	54	-6.45	-	-	225	129	H
4	* 2.484	36.63	RMS	32.5	-20.8	48.33	54	-5.67	-	-	225	129	H

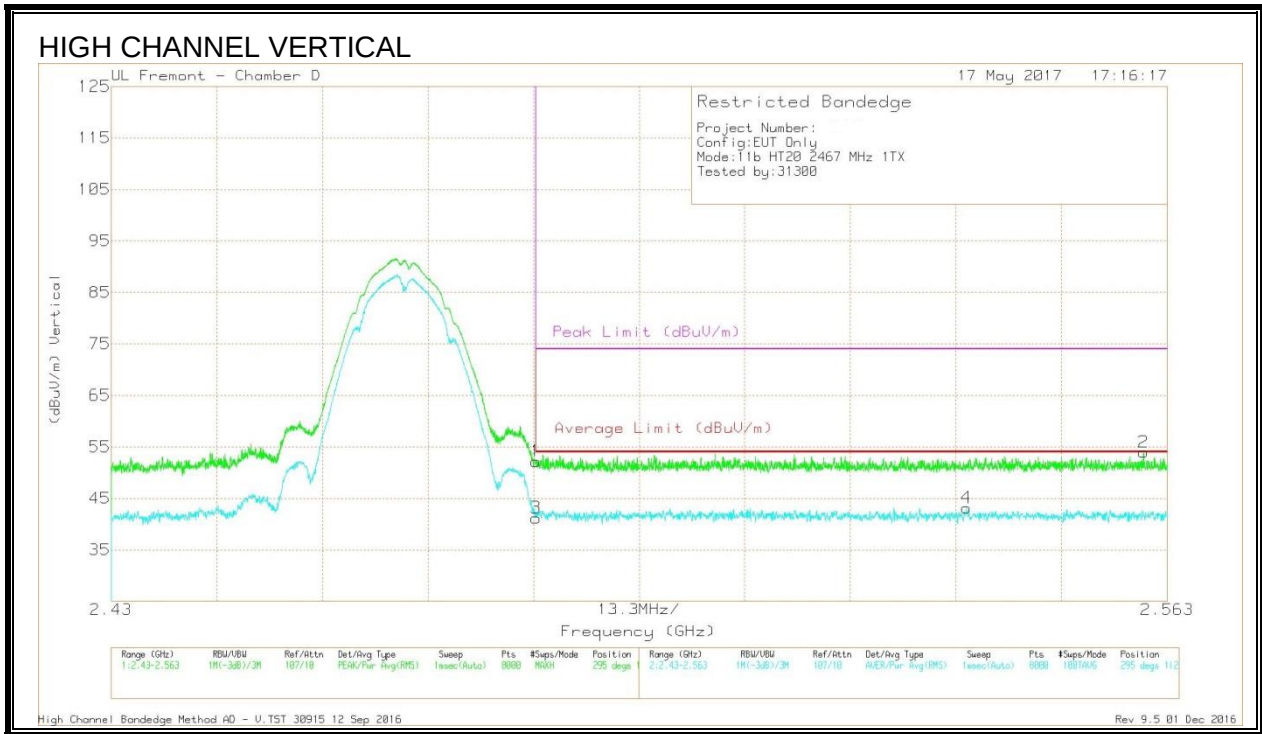
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

High Channel Bandedge Method AD - H.TST 30915 12 Sep 2016

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Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (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	40.52	Pk	32.5	-20.8	52.22	-	-	74	-21.78	295	112	V
3	* 2.484	29.51	RMS	32.5	-20.8	41.21	54	-12.79	-	-	295	112	V
4	2.538	31.17	RMS	32.6	-20.6	43.17	54	-10.83	-	-	295	112	V
2	2.56	42.09	Pk	32.5	-20.6	53.99	-	-	74	-20.01	295	112	V

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

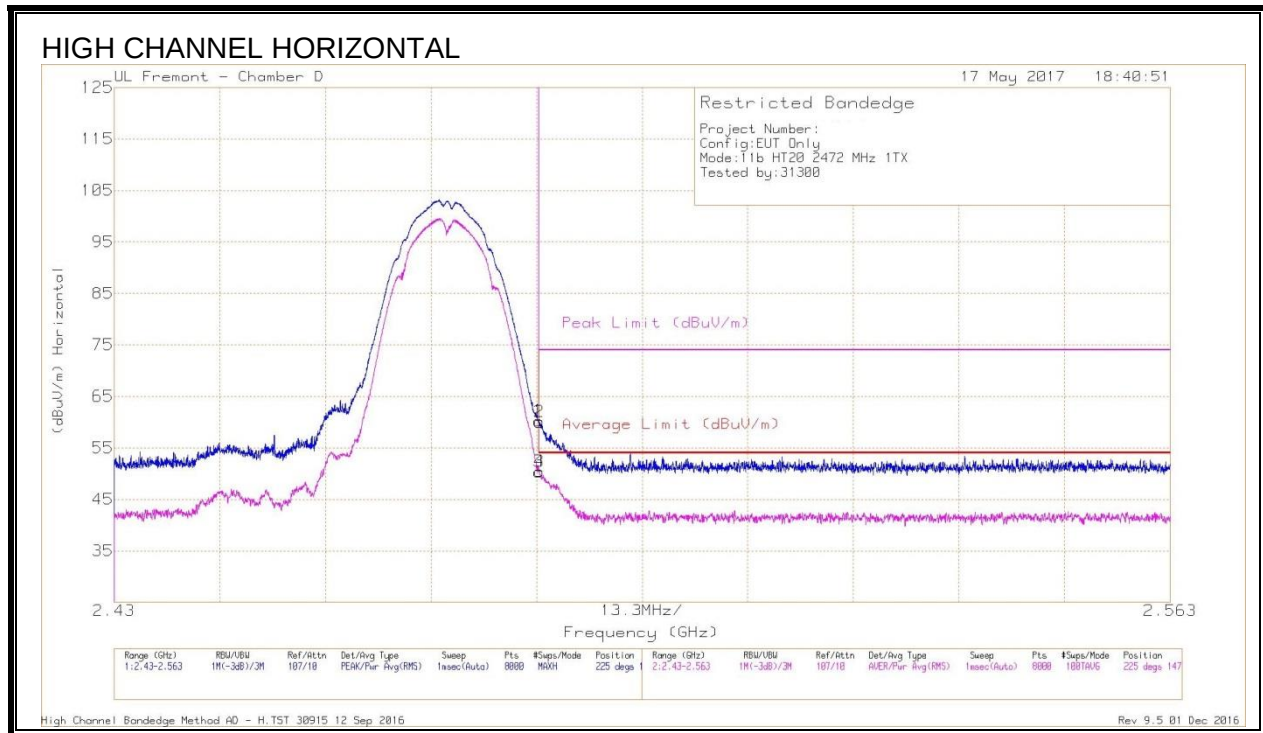
Pk - Peak detector

RMS - RMS detection

High Channel Bandedge Method AD - U.TST 30915 12 Sep 2016

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AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 13)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (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	48.55	Pk	32.5	-20.8	60.25	-	-	74	-13.75	225	147	H
2	* 2.484	48.35	Pk	32.5	-20.8	60.05	-	-	74	-13.95	225	147	H
3	* 2.484	38.69	RMS	32.5	-20.8	50.39	54	-3.61	-	-	225	147	H
4	* 2.484	38.76	RMS	32.5	-20.8	50.46	54	-3.54	-	-	225	147	H

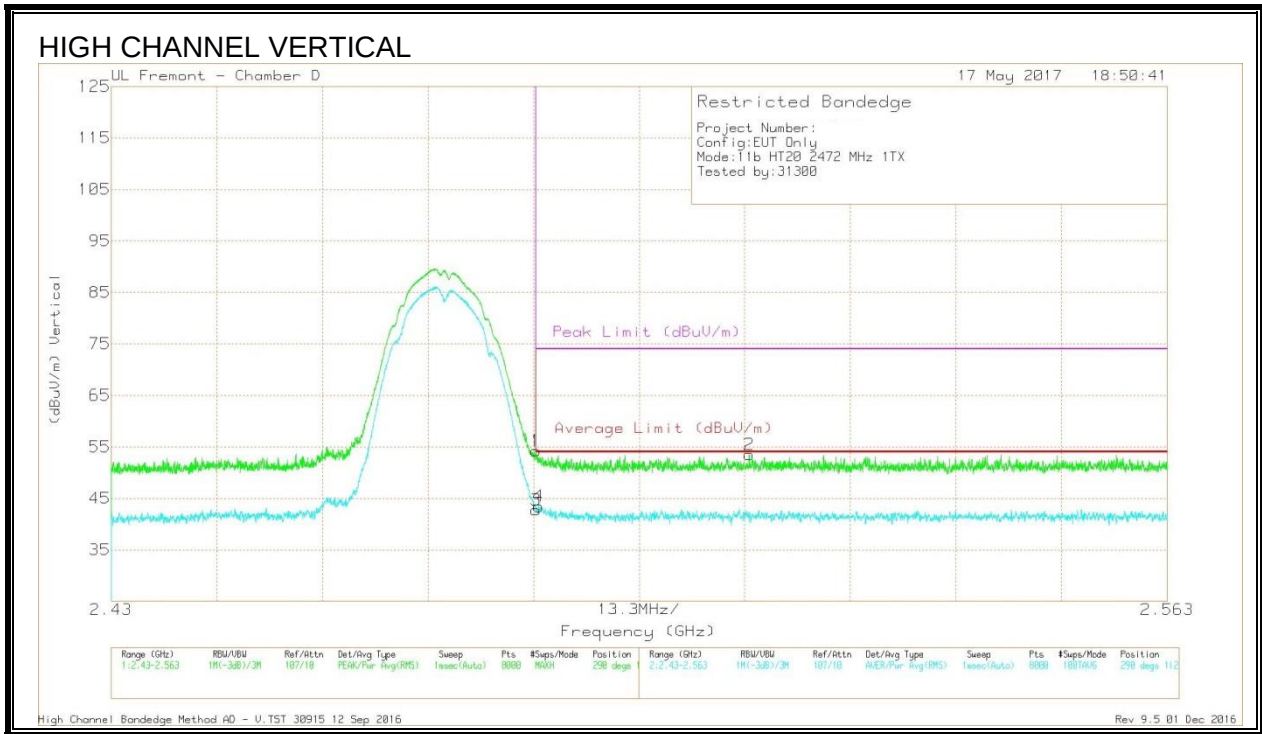
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

High Channel Bandedge Method AD - H.TST 30915 12 Sep 2016

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Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (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	42.52	Pk	32.5	-20.8	54.22	-	-	74	-19.78	290	112	V
3	* 2.484	31.06	RMS	32.5	-20.8	42.76	54	-11.24	-	-	290	112	V
4	* 2.484	31.75	RMS	32.5	-20.8	43.45	54	-10.55	-	-	290	112	V
2	2.51	41.47	Pk	32.6	-20.6	53.47	-	-	74	-20.53	290	112	V

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

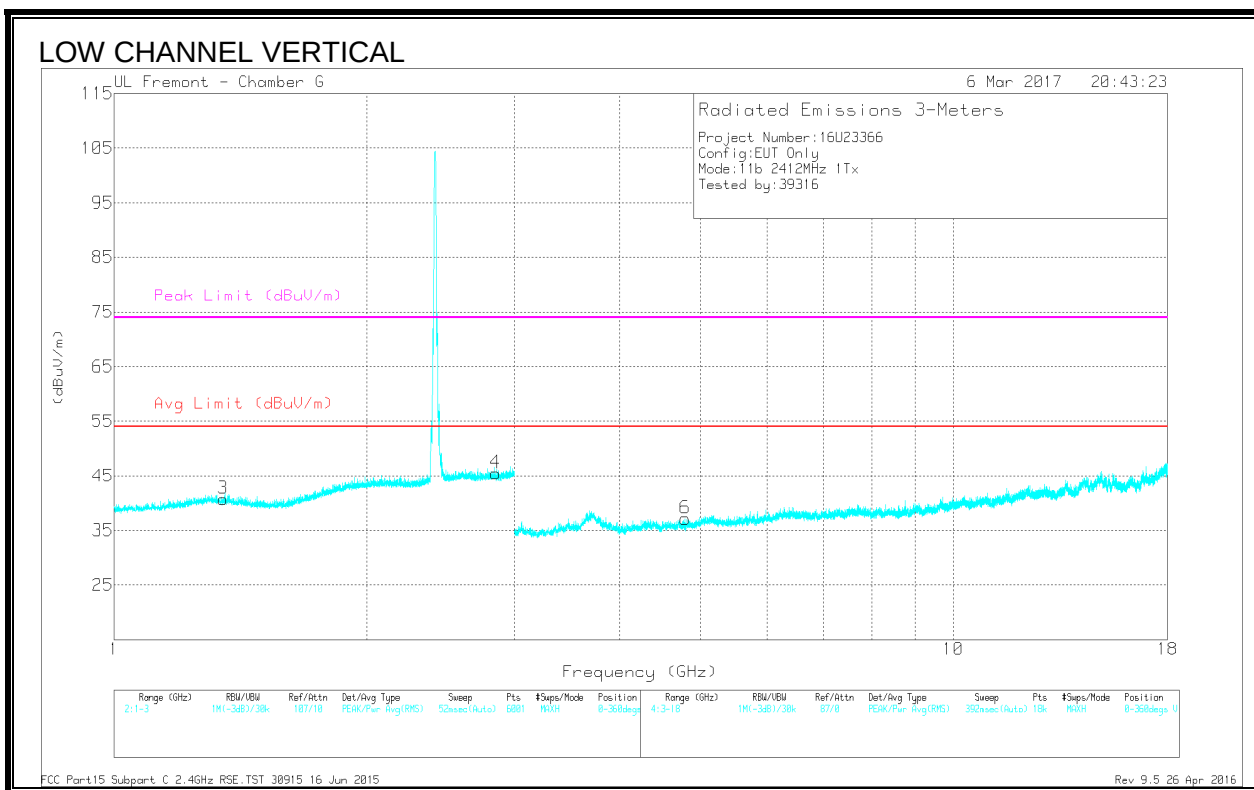
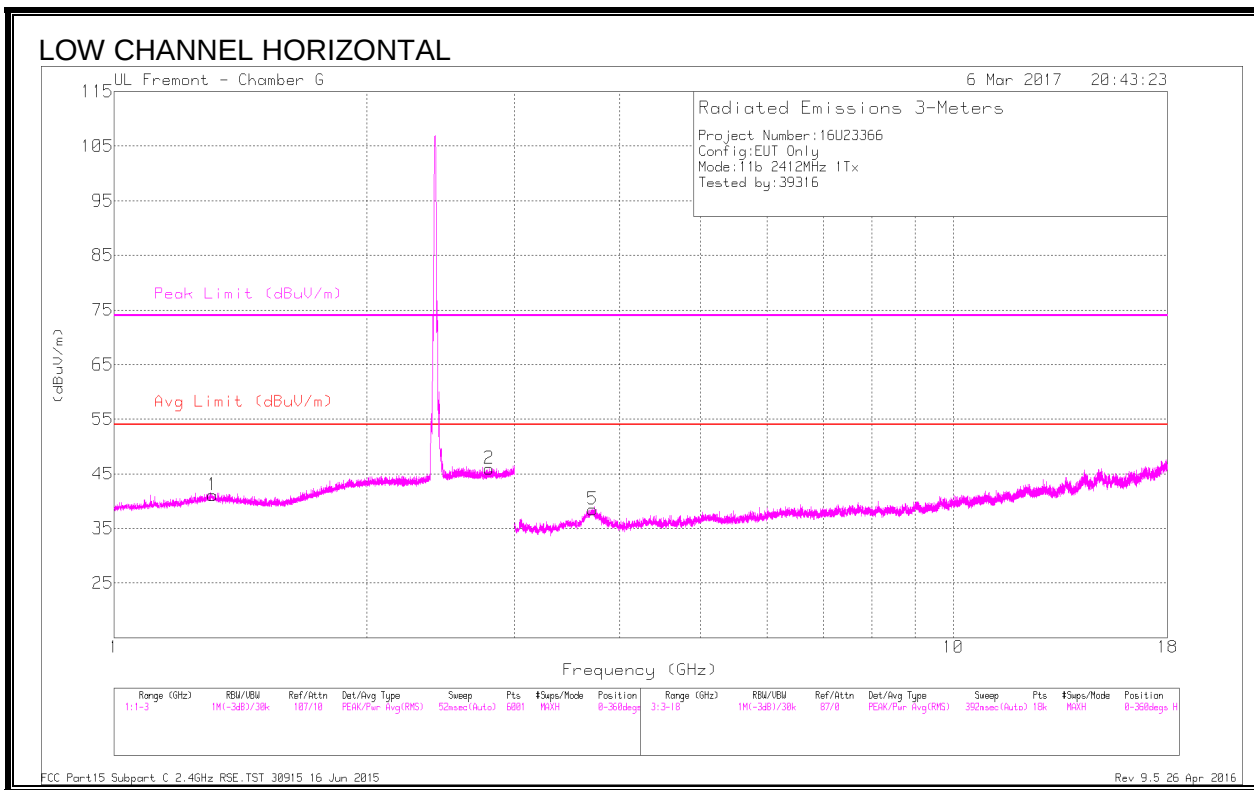
Pk - Peak detector

RMS - RMS detection

High Channel Bandedge Method AD - V.TST 30915 12 Sep 2016

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HARMONICS AND SPURIOUS EMISSIONS LOW CHANNEL, CH 1)



Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/FI tr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.311	44.71	PK2	29.2	-25	48.91	-	-	74	-25.09	45	232	H
* 1.31	33.05	MAv1	29.2	-25	37.25	54	-16.75	-	-	45	232	H
* 2.799	43.76	PK2	32.7	-23.6	52.86	-	-	74	-21.14	93	211	H
* 2.798	32.8	MAv1	32.7	-23.6	41.9	54	-12.1	-	-	93	211	H
* 1.349	43.91	PK2	29	-24.9	48.01	-	-	74	-25.99	60	234	V
* 1.349	33.31	MAv1	29	-24.9	37.41	54	-16.59	-	-	60	234	V
* 2.85	43.56	PK2	32.6	-23.6	52.56	-	-	74	-21.44	170	390	V
* 2.851	32.54	MAv1	32.6	-23.6	41.54	54	-12.46	-	-	170	390	V
* 3.718	40.63	PK2	34.2	-30.7	44.13	-	-	74	-29.87	143	375	H
* 3.717	30.38	MAv1	34.2	-30.7	33.88	54	-20.12	-	-	143	375	H
* 4.792	40.88	PK2	34.4	-31.9	43.38	-	-	74	-30.62	236	244	V
* 4.792	30.74	MAv1	34.4	-31.9	33.24	54	-20.76	-	-	236	244	V

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

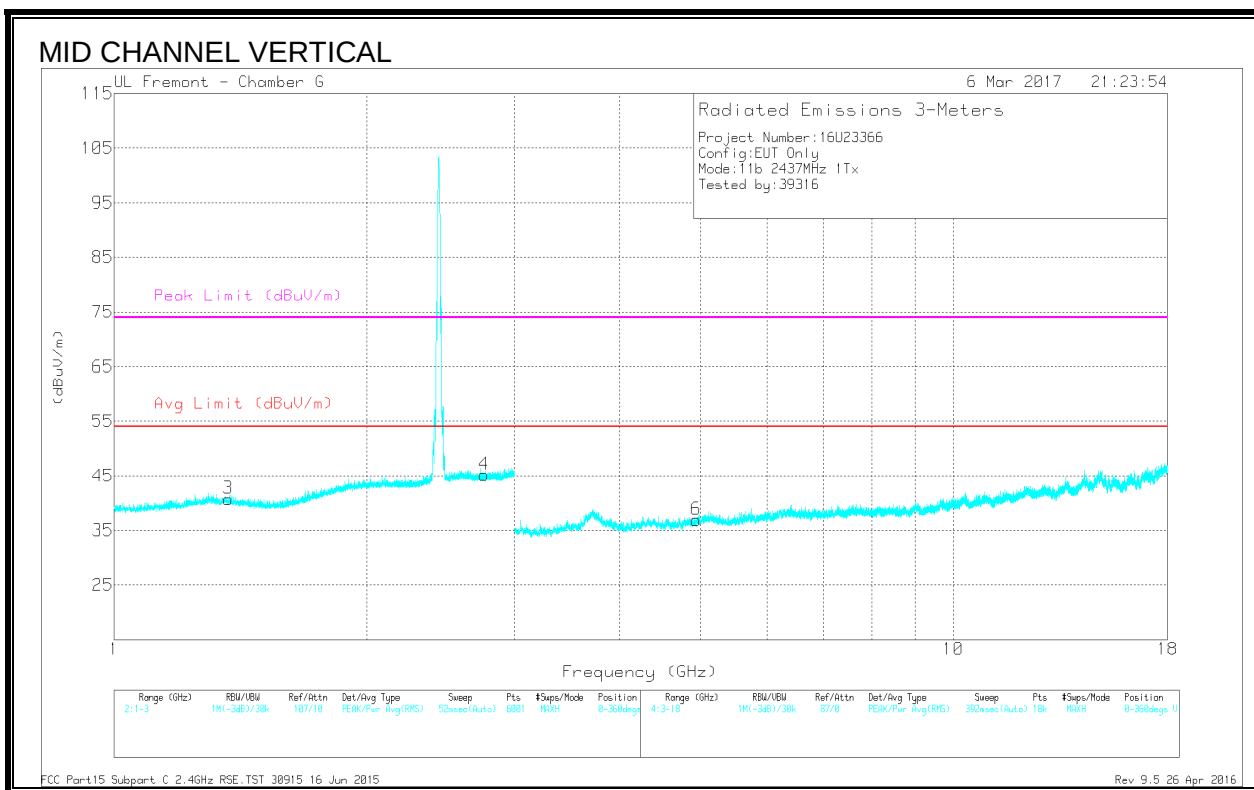
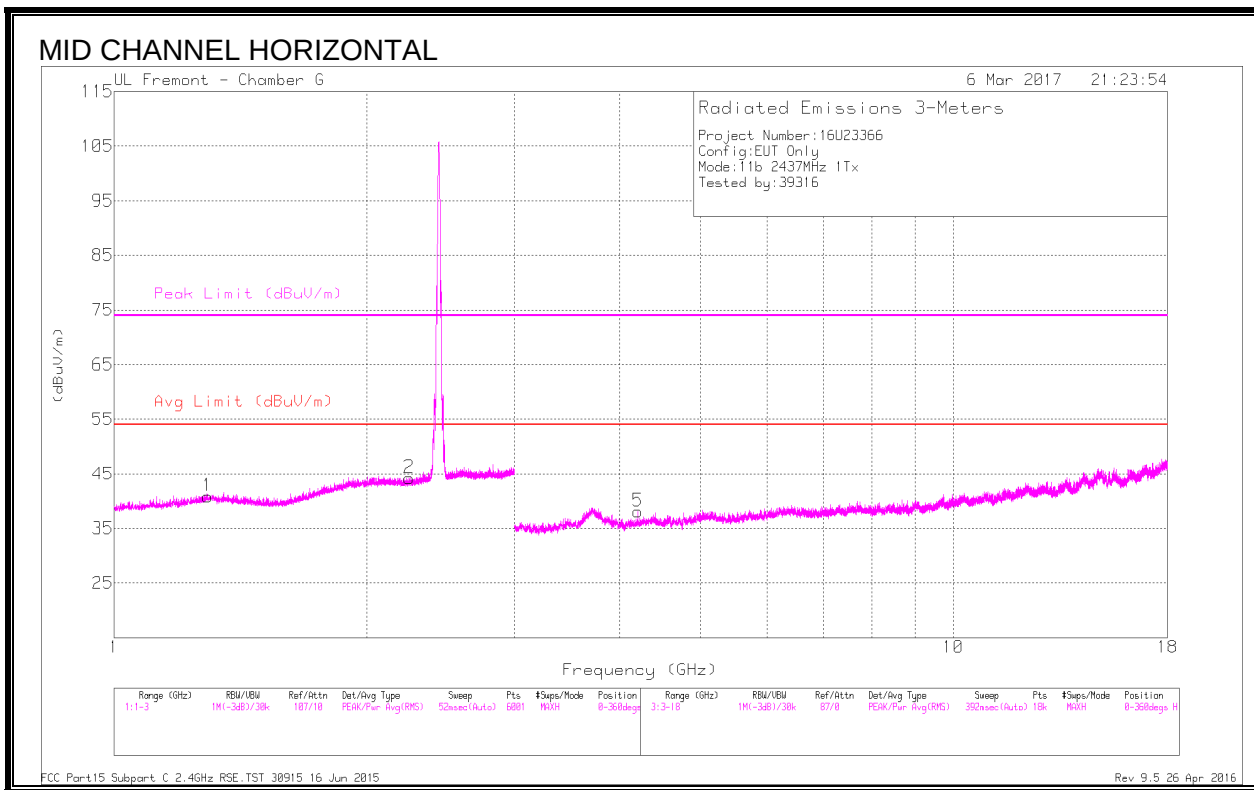
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

FCC Part15 Subpart C 2.4GHz RSE.TST 30915 16 Jun 2015

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HARMONICS AND SPURIOUS EMISSIONS MID CHANNEL, CH 6)



Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.293	44.2	PK2	29.2	-25	48.4	-	-	74	-25.6	179	113	H
* 1.293	32.95	MAv1	29.2	-25	37.15	54	-16.85	-	-	179	113	H
* 2.248	43.01	PK2	31.5	-24	50.51	-	-	74	-23.49	213	169	H
* 2.247	32.92	MAv1	31.5	-23.9	40.52	54	-13.48	-	-	213	169	H
* 1.367	43.97	PK2	28.9	-24.9	47.97	-	-	74	-26.03	185	235	V
* 1.367	33.54	MAv1	28.9	-24.9	37.54	54	-16.46	-	-	185	235	V
* 2.763	44.18	PK2	32.6	-23.6	53.18	-	-	74	-20.82	189	235	V
* 2.761	33.17	MAv1	32.6	-23.5	42.27	54	-11.73	-	-	189	235	V
* 4.207	40.58	PK2	33.7	-32.1	42.18	-	-	74	-31.82	132	149	H
* 4.207	30.88	MAv1	33.7	-32.1	32.48	54	-21.52	-	-	132	149	H
* 4.942	40.46	PK2	34.6	-31.8	43.26	-	-	74	-30.74	168	315	V
* 4.941	30.01	MAv1	34.6	-31.8	32.81	54	-21.19	-	-	168	315	V

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

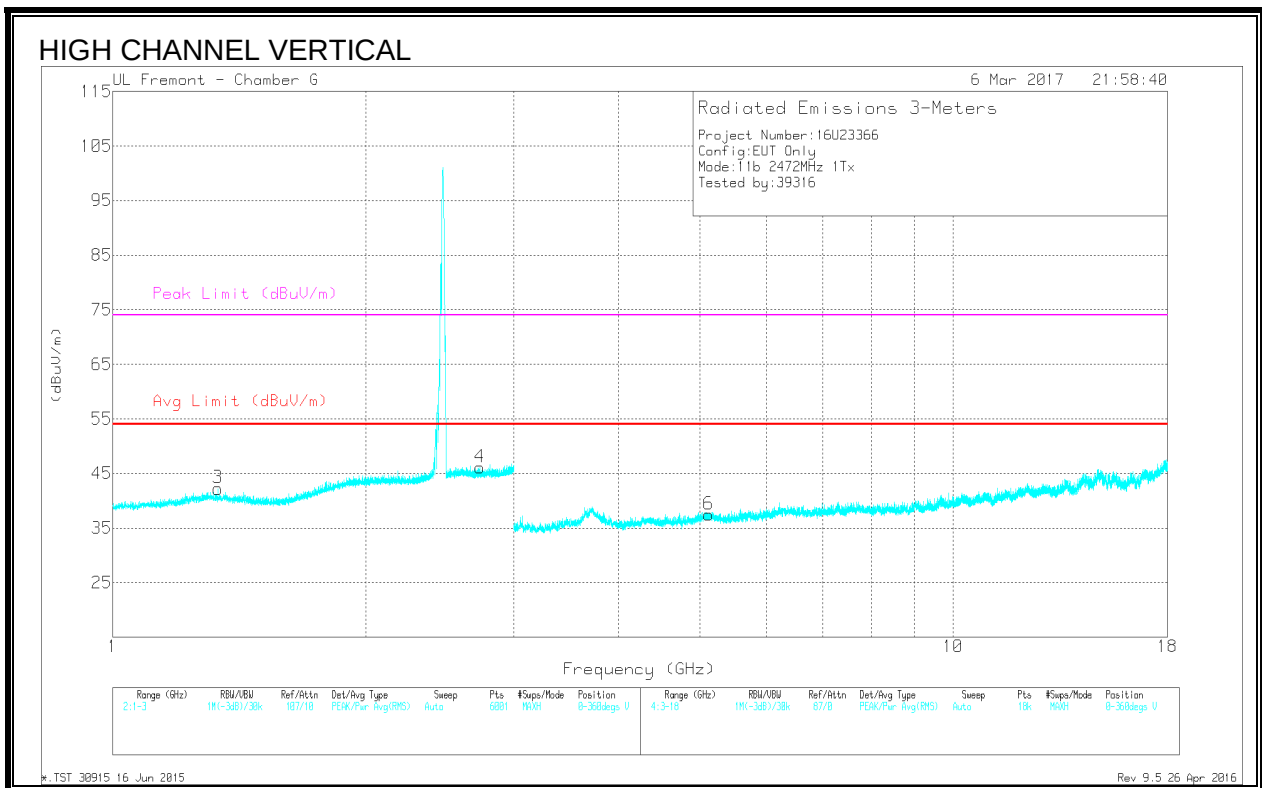
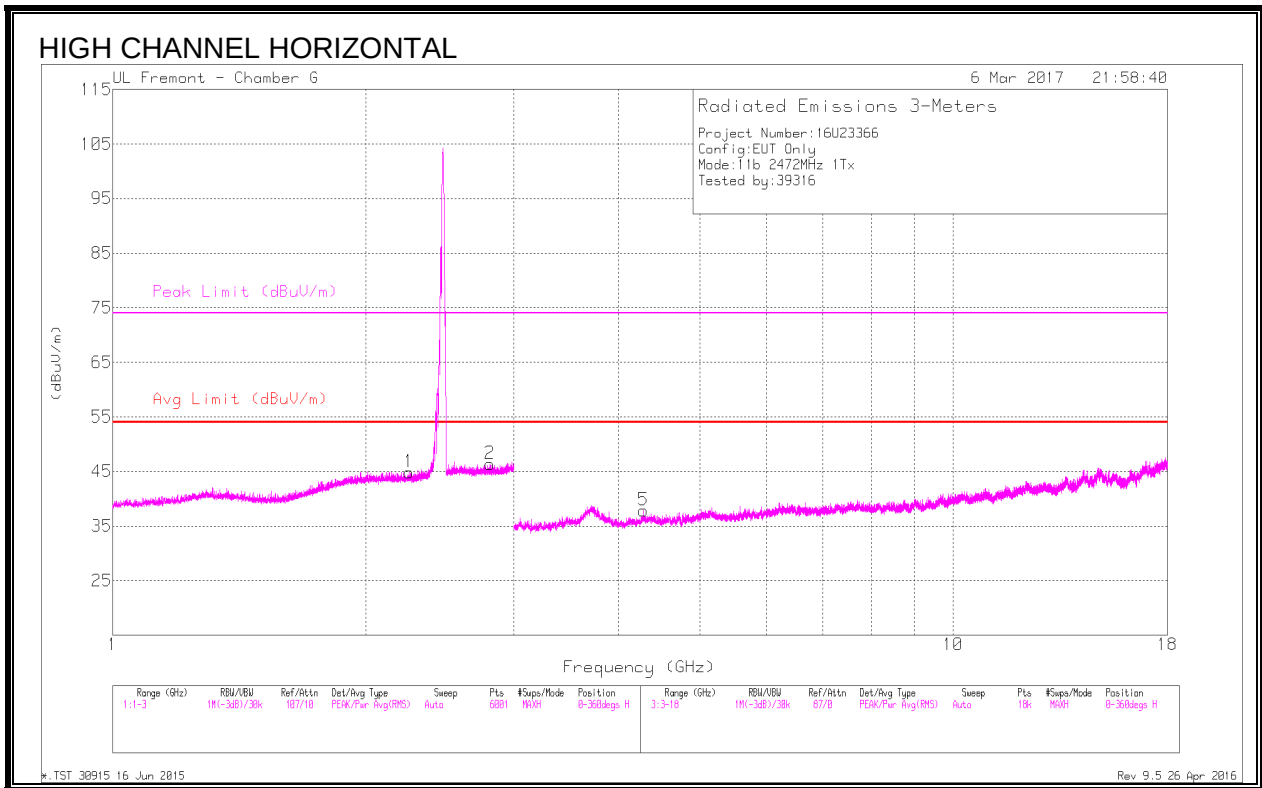
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

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HARMONICS AND SPURIOUS EMISSIONS HIGH CHANNEL, CH 13)



Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.255	43.85	PK2	31.5	-23.9	51.45	-	-	74	-22.55	136	228	H
* 2.253	32.6	MAv1	31.5	-23.9	40.2	54	-13.8	-	-	136	228	H
* 2.808	44.81	PK2	32.7	-23.6	53.91	-	-	74	-20.09	35	213	H
* 2.811	32.31	MAv1	32.7	-23.6	41.41	54	-12.59	-	-	35	213	H
* 1.333	44.32	PK2	29.1	-25	48.42	-	-	74	-25.58	348	112	V
* 1.332	32.62	MAv1	29.1	-25	36.72	54	-17.28	-	-	348	112	V
* 2.735	43.97	PK2	32.5	-23.6	52.87	-	-	74	-21.13	93	388	V
* 2.733	32.54	MAv1	32.5	-23.6	41.44	54	-12.56	-	-	93	388	V
* 4.284	39.73	PK2	33.9	-31.3	42.33	-	-	74	-31.67	117	341	H
* 4.283	30.16	MAv1	33.9	-31.3	32.76	54	-21.24	-	-	117	341	H
* 5.121	40	PK2	35.1	-31.5	43.6	-	-	74	-30.4	175	281	V
* 5.121	30.38	MAv1	35.1	-31.5	33.98	54	-20.02	-	-	175	281	V

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

PK2 - KDB558074 Method: Maximum Peak

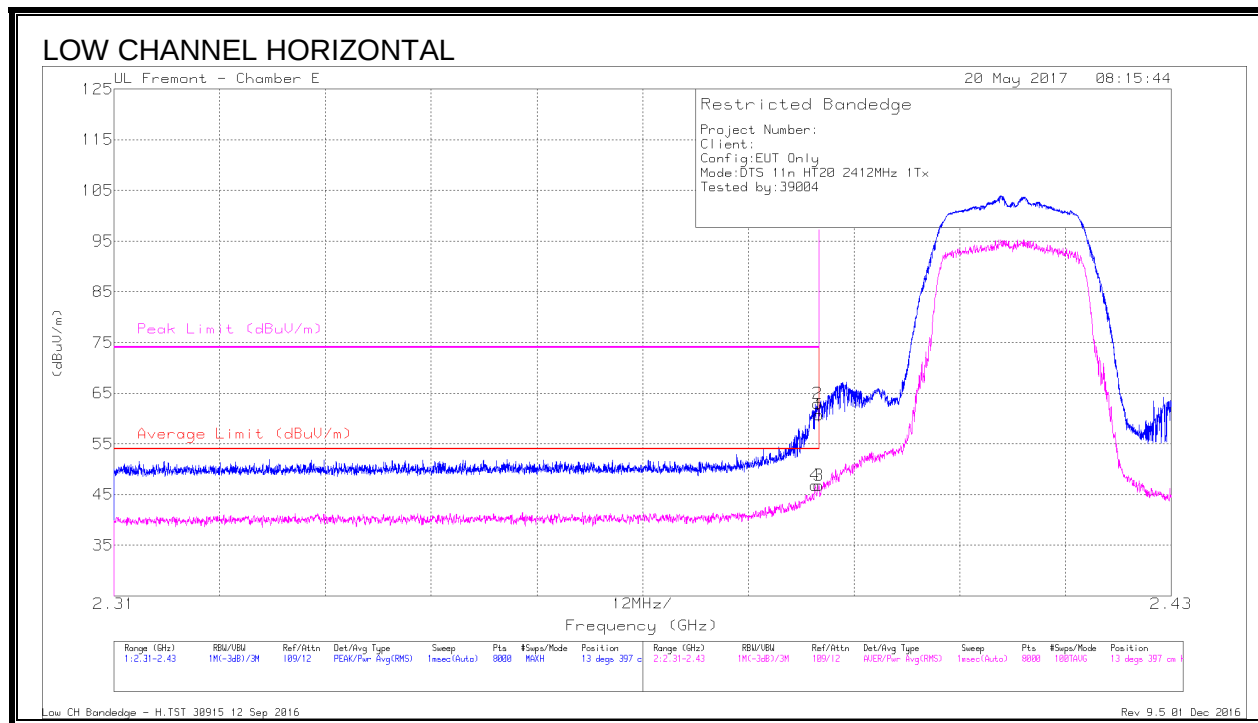
MAv1 - KDB558074 Option 1 Maximum RMS Average

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9.2.3. 11n HT20 UAT 1 SISO MODE IN THE 2.4GHZ BAND

AUTHORIZED BANDEDGE (LOW CHANNEL, CH 1)



Marker	Frequ ncy (GHz)	Meter Readin g (dBuV)	Det	AF T136 (dB/m)	Amp/C bl/Filtr/ Pad (dB)	Correct ed Readin g (dBuV/ m)	Averag e Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimet h (Degs)	Height (cm)	Polarity
1	* 2.39	48.24	Pk	32.2	-19.7	60.74	-	-	74	-13.26	13	397	H
2	* 2.39	50.49	Pk	32.2	-19.7	62.99	-	-	74	-11.01	13	397	H
3	* 2.39	34.27	RMS	32.2	-19.7	46.77	54	-7.23	-	-	13	397	H
4	* 2.39	34.32	RMS	32.2	-19.7	46.82	54	-7.18	-	-	13	397	H

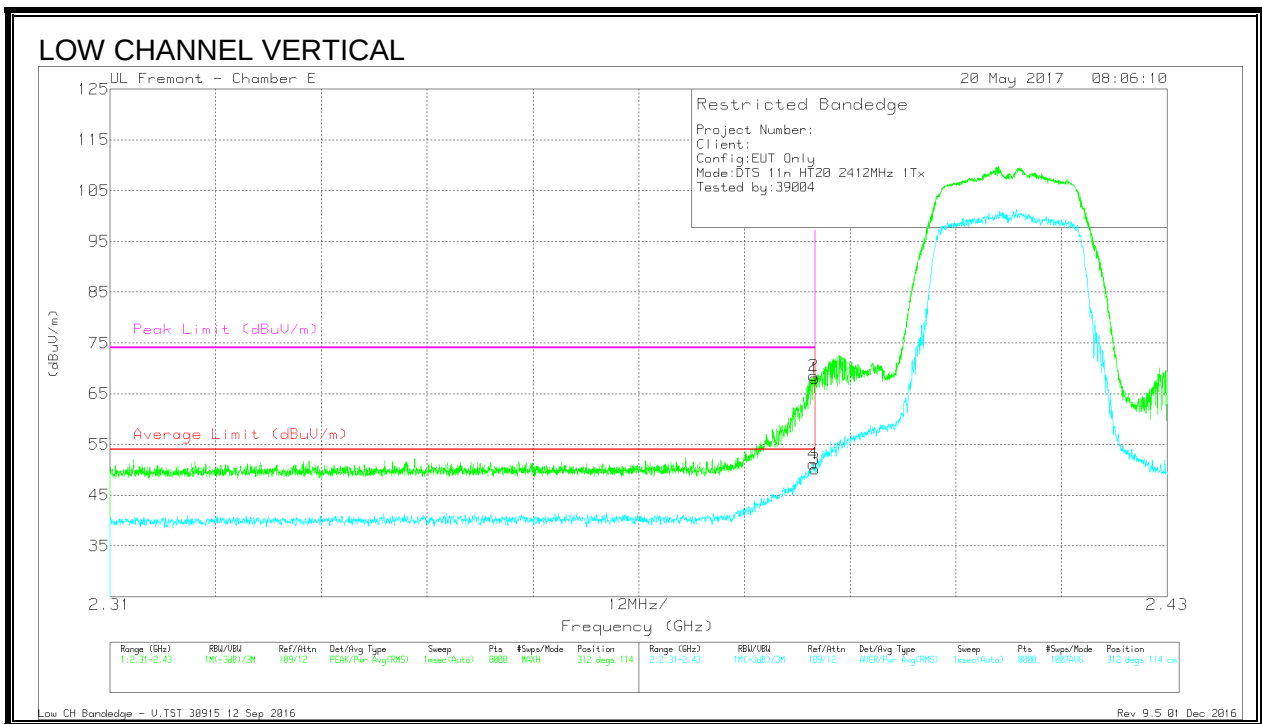
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

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Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (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	55.6	Pk	32.2	-19.7	68.1	-	-	74	-5.9	312	114	V
2	* 2.39	56.09	Pk	32.2	-19.7	68.59	-	-	74	-5.41	312	114	V
3	* 2.39	37.72	RMS	32.2	-19.7	50.22	54	-3.78	-	-	312	114	V
4	* 2.39	38.71	RMS	32.2	-19.7	51.21	54	-2.79	-	-	312	114	V

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

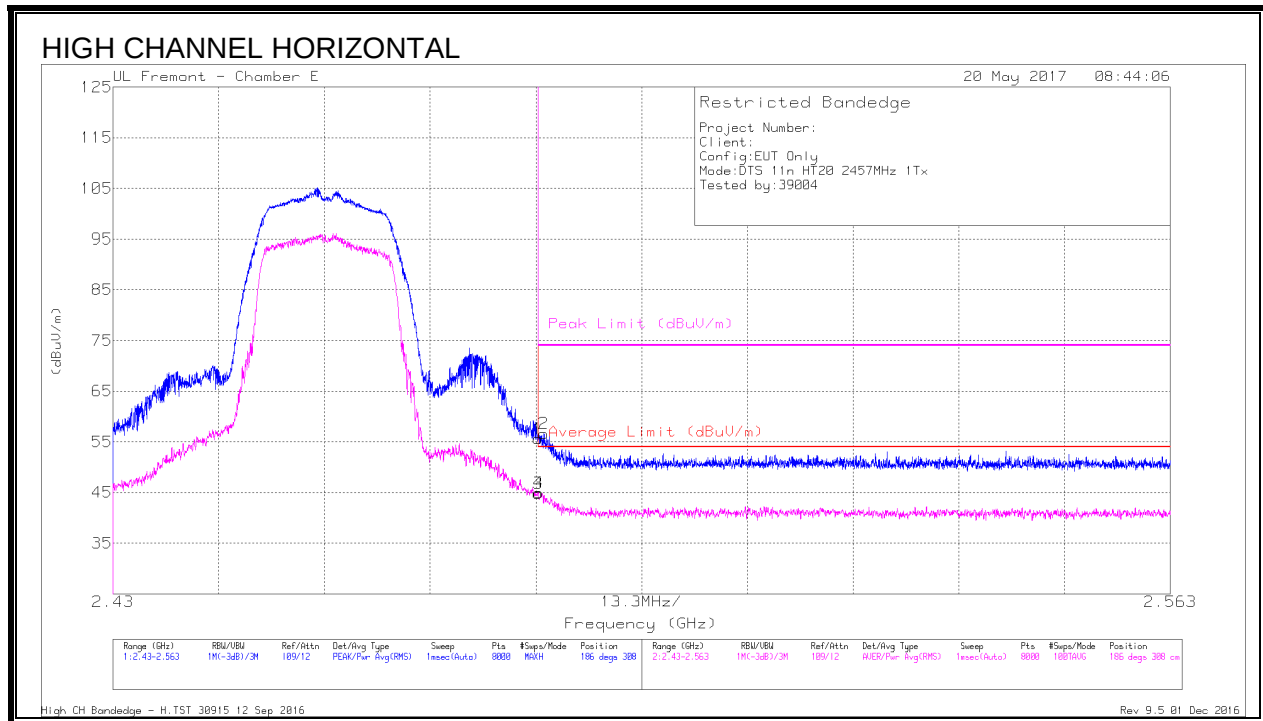
Pk - Peak detector

RMS - RMS detection

Low CH Bandedge - V-TST 30915 12 Sep 2016

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AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 10)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (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	42.58	Pk	32.7	-19.7	55.58	-	-	74	-18.42	186	308	H
2	* 2.484	43.6	Pk	32.7	-19.7	56.6	-	-	74	-17.4	186	308	H
3	* 2.484	31.86	RMS	32.7	-19.7	44.86	54	-9.14	-	-	186	308	H
4	* 2.484	31.94	RMS	32.7	-19.7	44.94	54	-9.06	-	-	186	308	H

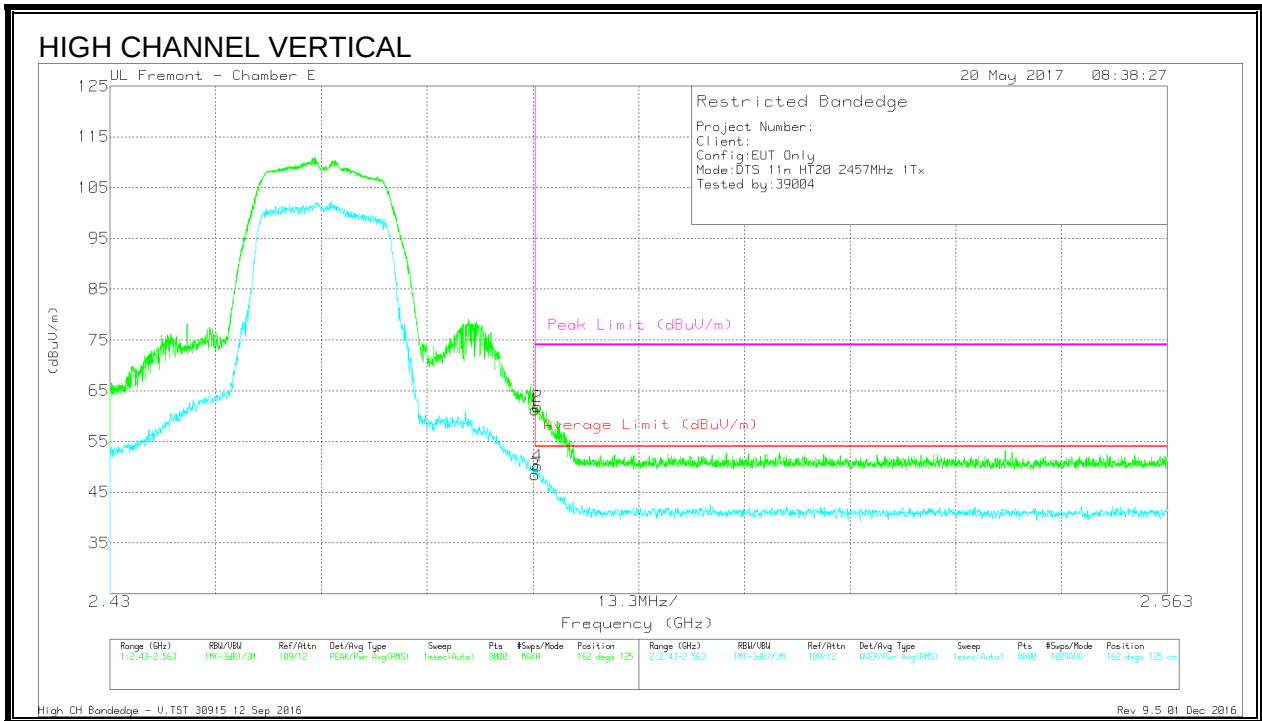
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

High CH Bandedge - H.TST 30915 12 Sep 2016

Rev 9.5 01 Dec 2016



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (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	48.19	Pk	32.7	-19.7	61.19	-	-	74	-12.81	162	125	V
2	* 2.484	48.87	Pk	32.7	-19.7	61.87	-	-	74	-12.13	162	125	V
3	* 2.484	35.48	RMS	32.7	-19.7	48.48	54	-5.52	-	-	162	125	V
4	* 2.484	37.12	RMS	32.7	-19.7	50.12	54	-3.88	-	-	162	125	V

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

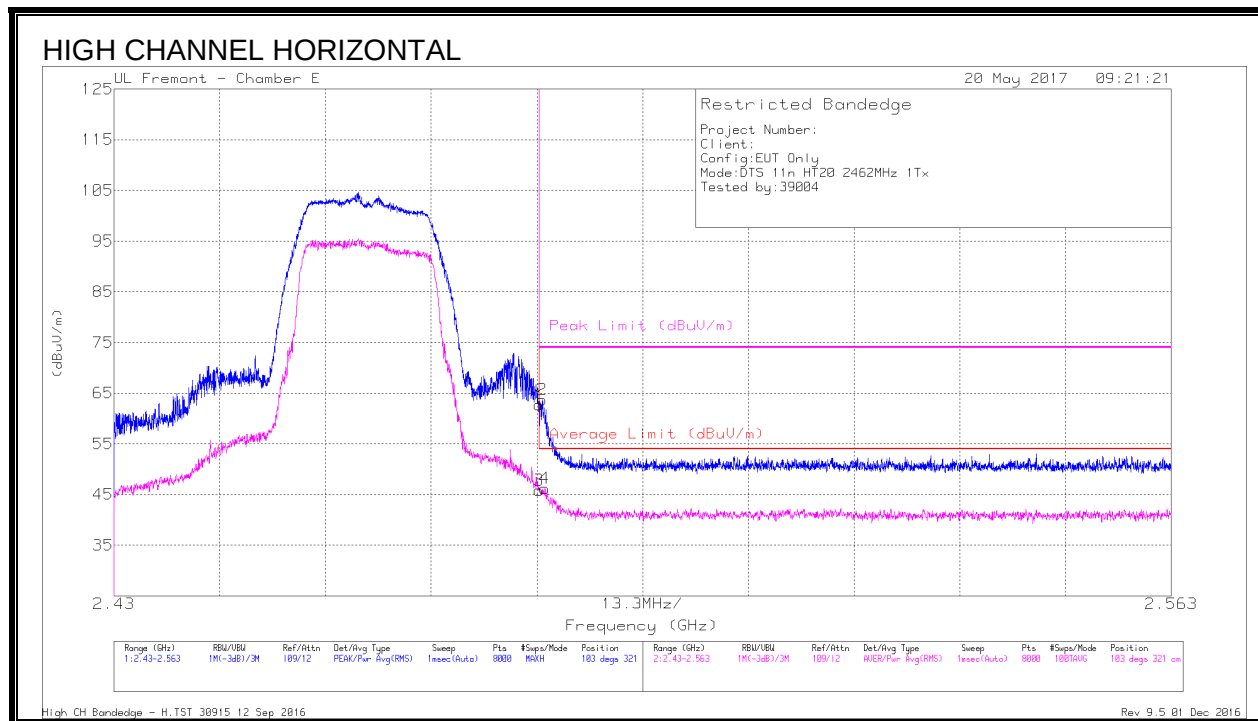
Pk - Peak detector

RMS - RMS detection

High CH Bandedge - V.TST 30915 12 Sep 2016

Rev 9.5 01 Dec 2016

AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 11)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (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	49.66	Pk	32.7	-19.7	62.66	-	-	74	-11.34	103	321	H
2	* 2.484	50.68	Pk	32.7	-19.7	63.68	-	-	74	-10.32	103	321	H
3	* 2.484	32.84	RMS	32.7	-19.7	45.84	54	-8.16	-	-	103	321	H
4	* 2.484	33.25	RMS	32.7	-19.7	46.25	54	-7.75	-	-	103	321	H

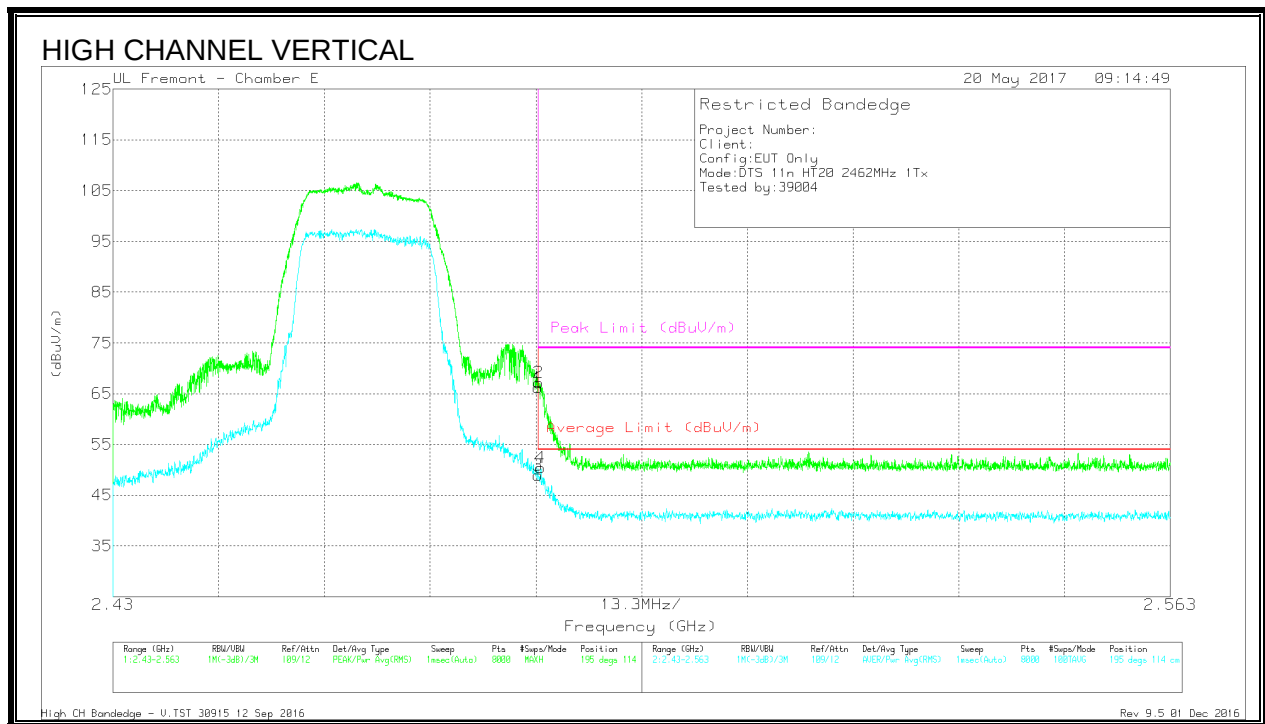
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

High CH Bandedge - H.TST 30915 12 Sep 2016

Rev 9.5 01 Dec 2016



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (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	53.23	Pk	32.7	-19.7	66.23	-	-	74	-7.77	195	114	V
2	* 2.484	54.17	Pk	32.7	-19.7	67.17	-	-	74	-6.83	195	114	V
3	* 2.484	35.92	RMS	32.7	-19.7	48.92	54	-5.08	-	-	195	114	V
4	* 2.484	37.46	RMS	32.7	-19.7	50.46	54	-3.54	-	-	195	114	V

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

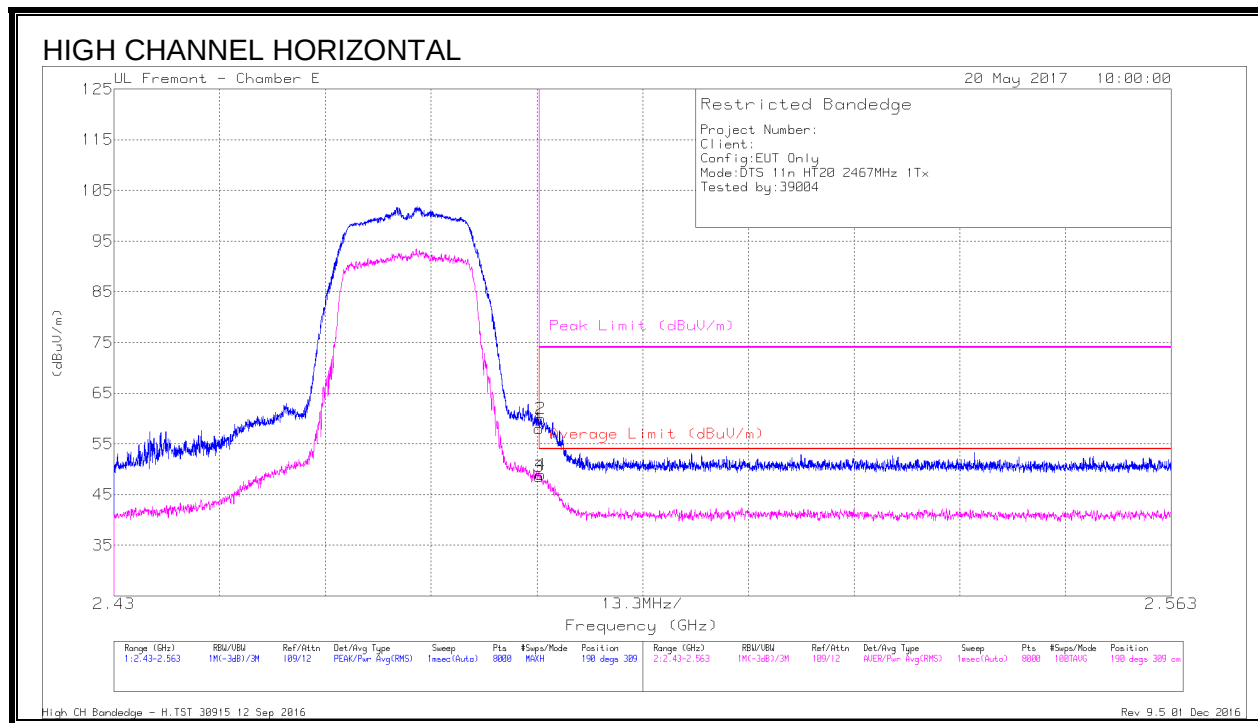
Pk - Peak detector

RMS - RMS detection

High CH Bandedge - V.TST 30915 12 Sep 2016

Rev 9.5 01 Dec 2016

AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 12)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (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)	Polarization
1	* 2.484	44.96	Pk	32.7	-19.7	57.96	-	-	74	-16.04	190	309	H
2	* 2.484	47.03	Pk	32.7	-19.7	60.03	-	-	74	-13.97	190	309	H
3	* 2.484	35.55	RMS	32.7	-19.7	48.55	54	-5.45	-	-	190	309	H
4	* 2.484	35.92	RMS	32.7	-19.7	48.92	54	-5.08	-	-	190	309	H

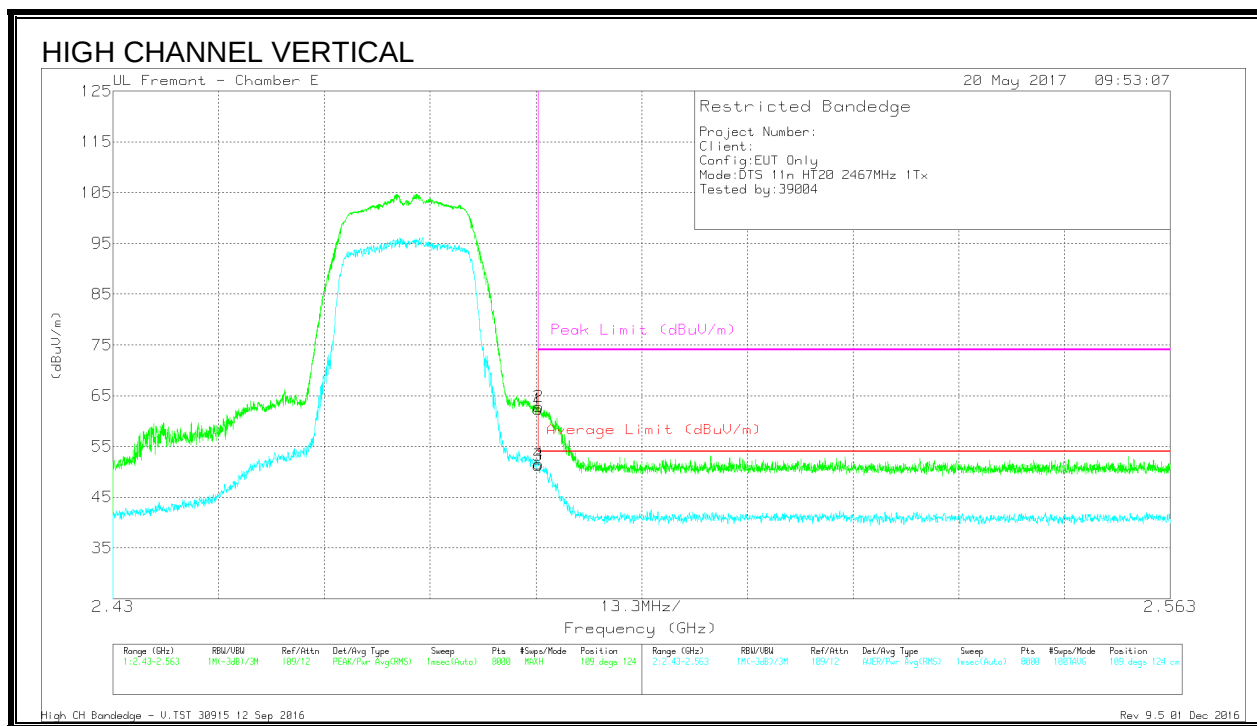
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

High CH Bandedge - H.TST 30915 12 Sep 2016

Rev 9.5 01 Dec 2016



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (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	49.29	Pk	32.7	-19.7	62.29	-	-	74	-11.71	109	124	V
2	* 2.484	49.86	Pk	32.7	-19.7	62.86	-	-	74	-11.14	109	124	V
3	* 2.484	38.34	RMS	32.7	-19.7	51.34	54	-2.66	-	-	109	124	V
4	* 2.484	38.52	RMS	32.7	-19.7	51.52	54	-2.48	-	-	109	124	V

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

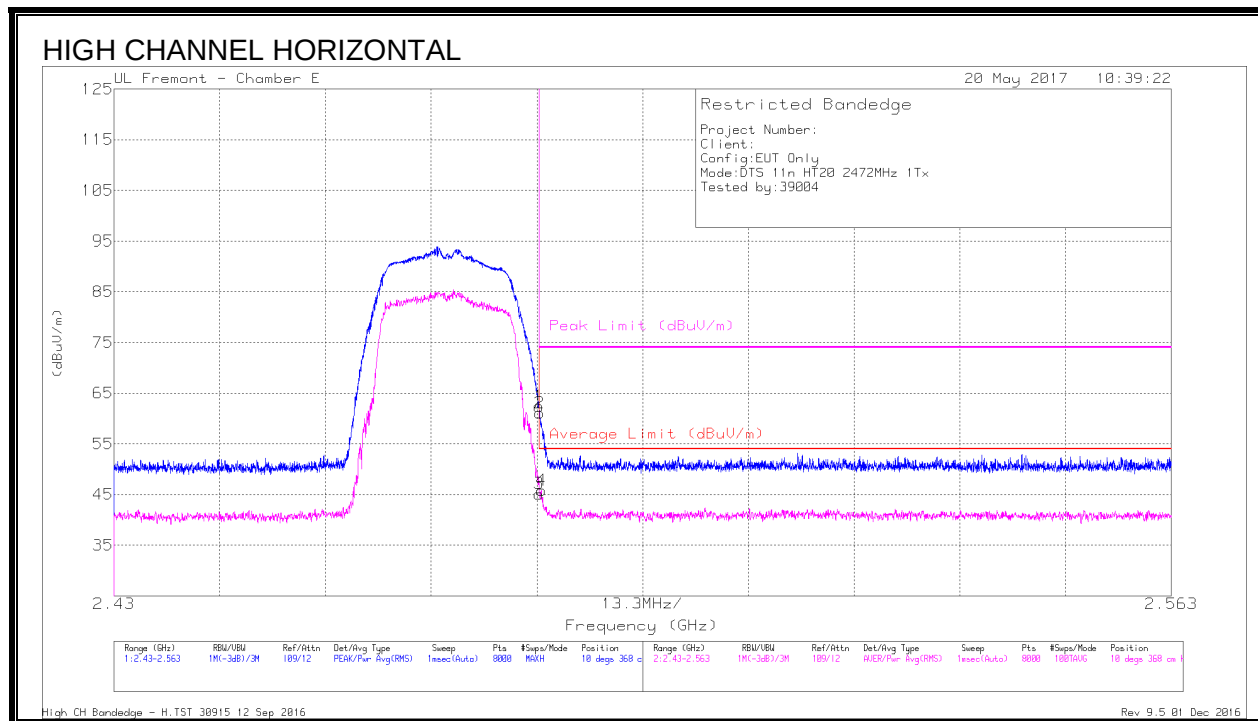
Pk - Peak detector

RMS - RMS detection

High CH Bandedge - V.TST 30915 12 Sep 2016

Rev 9.5 01 Dec 2016

AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 13)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (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	49.4	Pk	32.7	-19.7	62.4	-	-	74	-11.6	10	368	H
2	* 2.484	48.14	Pk	32.7	-19.7	61.14	-	-	74	-12.86	10	368	H
3	* 2.484	32.14	RMS	32.7	-19.7	45.14	54	-8.86	-	-	10	368	H
4	* 2.484	32.85	RMS	32.7	-19.7	45.85	54	-8.15	-	-	10	368	H

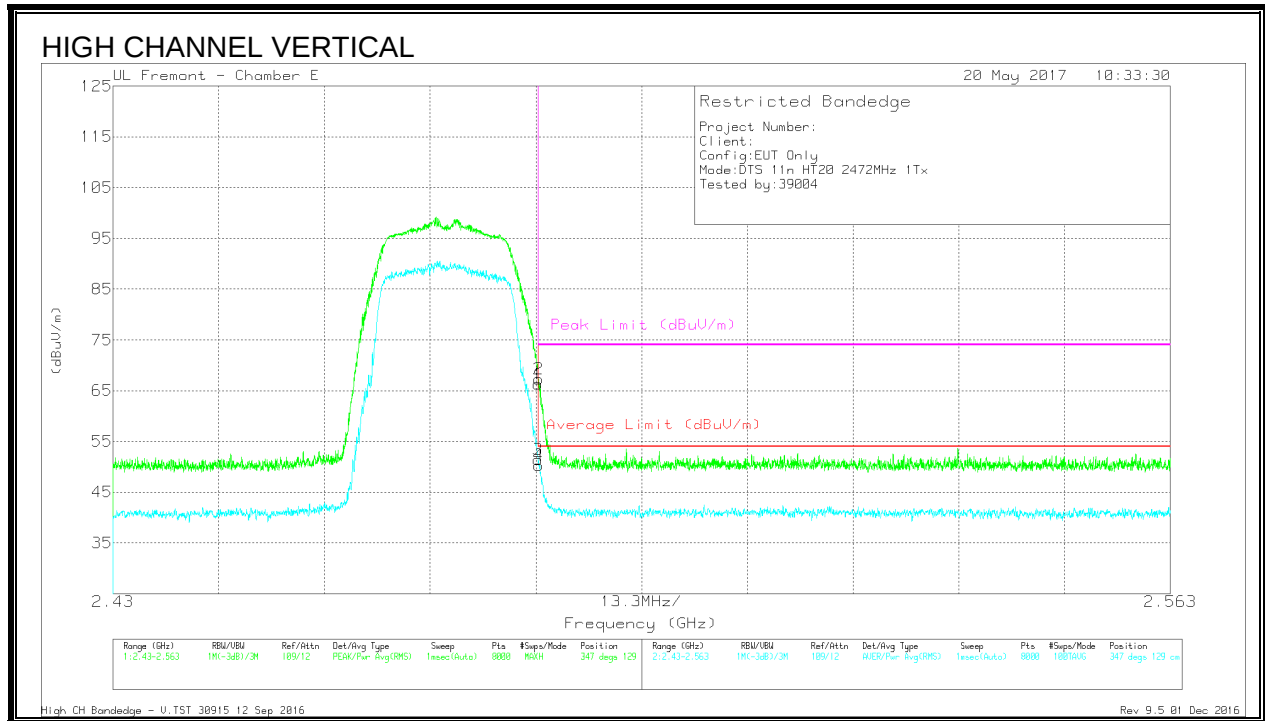
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

High CH Bandedge - H.TST 30915 12 Sep 2016

Rev 9.5 01 Dec 2016



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (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	53.36	Pk	32.7	-19.7	66.36	-	-	74	-7.64	347	129	V
2	* 2.484	54.29	Pk	32.7	-19.7	67.29	-	-	74	-6.71	347	129	V
3	* 2.484	38.4	RMS	32.7	-19.7	51.4	54	-2.6	-	-	347	129	V
4	* 2.484	37.34	RMS	32.7	-19.7	50.34	54	-3.66	-	-	347	129	V

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

Pk - Peak detector

RMS - RMS detection

High CH Bandedge - V.TST 30915 12 Sep 2016

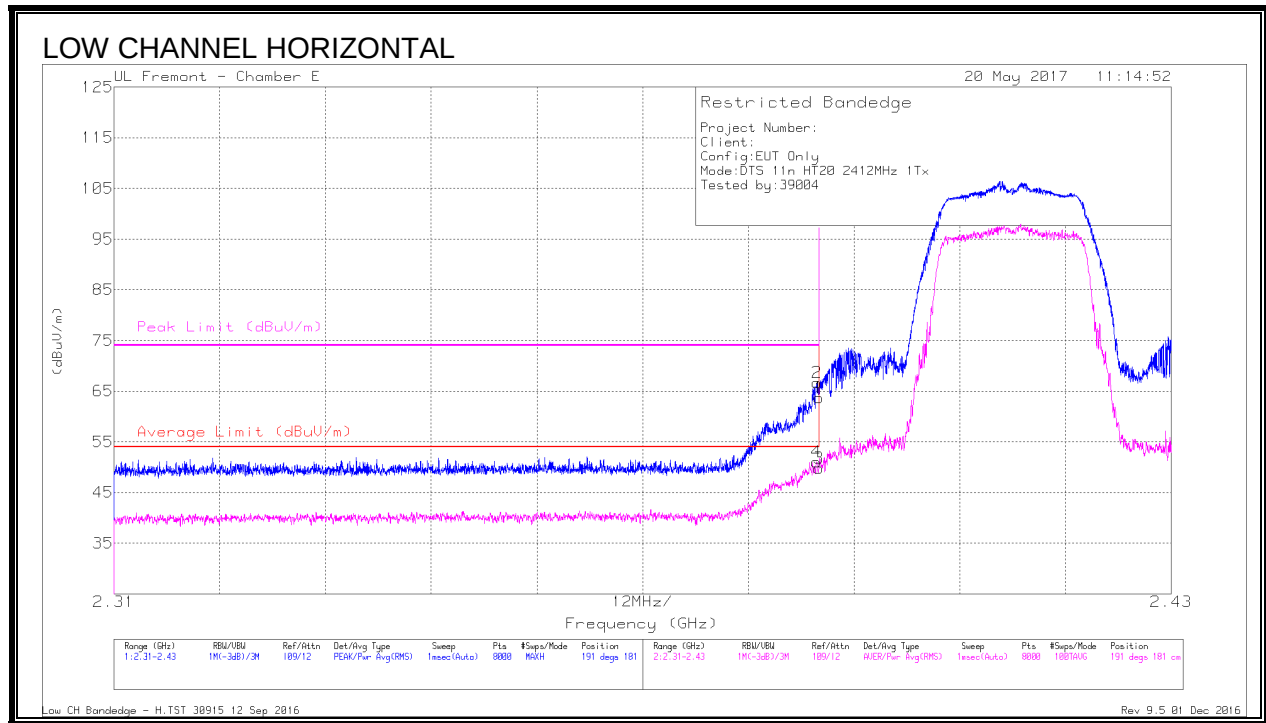
Rev 9.5 01 Dec 2016

HARMONICS AND SPURIOUS EMISSIONS

Note: Covered by HT20 2TX CDD mode.

9.2.4. 11n HT20 LAT 3 SISO MODE IN THE 2.4GHZ BAND

AUTHORIZED BANDEDGE (LOW CHANNEL, CH 1)



Marker	Frequ ncy (GHz)	Meter Readin g (dBuV)	Det	AF T136 (dB/m)	Amp/C bl/Filtr/ Pad (dB)	Correct ed Readin g (dBuV/ m)	Averag e Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimet h (Degs)	Height (cm)	Polarity
1	* 2.39	51.21	Pk	32.2	-19.7	63.71	-	-	74	-10.29	191	181	H
2	* 2.39	54.2	Pk	32.2	-19.7	66.7	-	-	74	-7.3	191	181	H
3	* 2.39	37.24	RMS	32.2	-19.7	49.74	54	-4.26	-	-	191	181	H
4	* 2.39	38.57	RMS	32.2	-19.7	51.07	54	-2.93	-	-	191	181	H

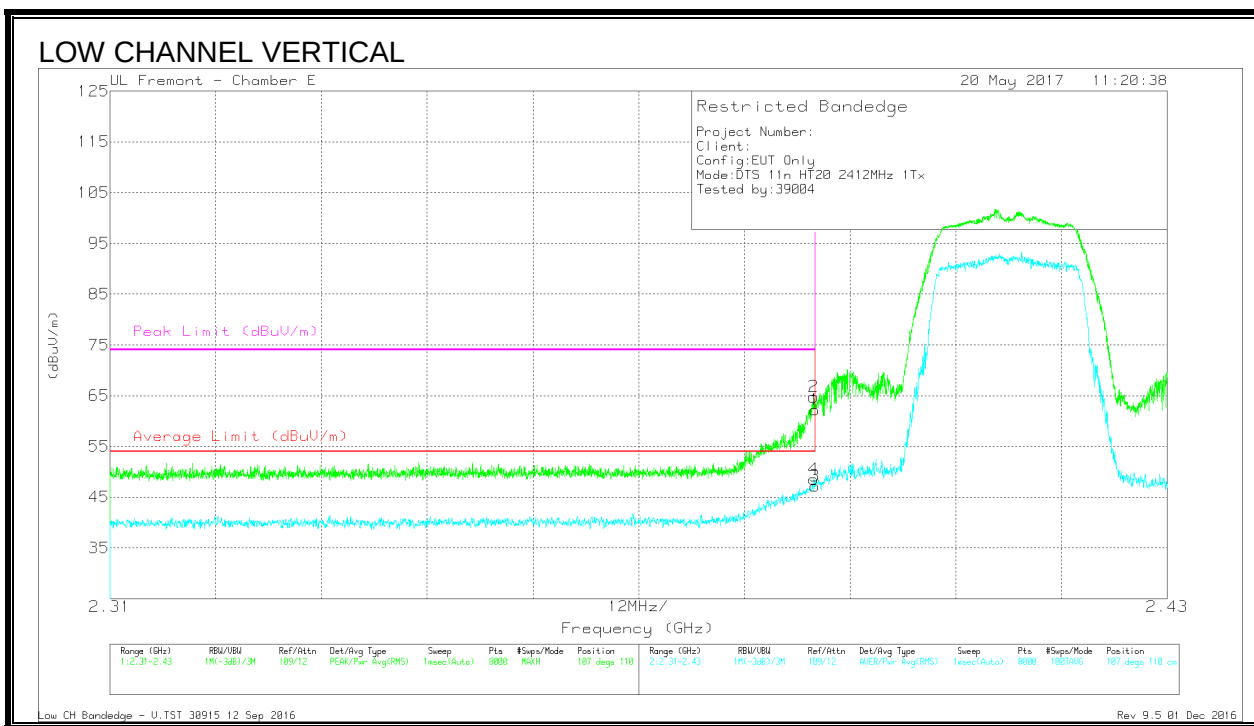
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

Low CH Bandedge - H.TST 30915 12 Sep 2016

Rev 9.5 01 Dec 2016



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (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	49.67	Pk	32.2	-19.7	62.17	-	-	74	-11.83	107	110	V
2	* 2.39	52.26	Pk	32.2	-19.7	64.76	-	-	74	-9.24	107	110	V
3	* 2.39	34.71	RMS	32.2	-19.7	47.21	54	-6.79	-	-	107	110	V
4	* 2.39	36.04	RMS	32.2	-19.7	48.54	54	-5.46	-	-	107	110	V

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

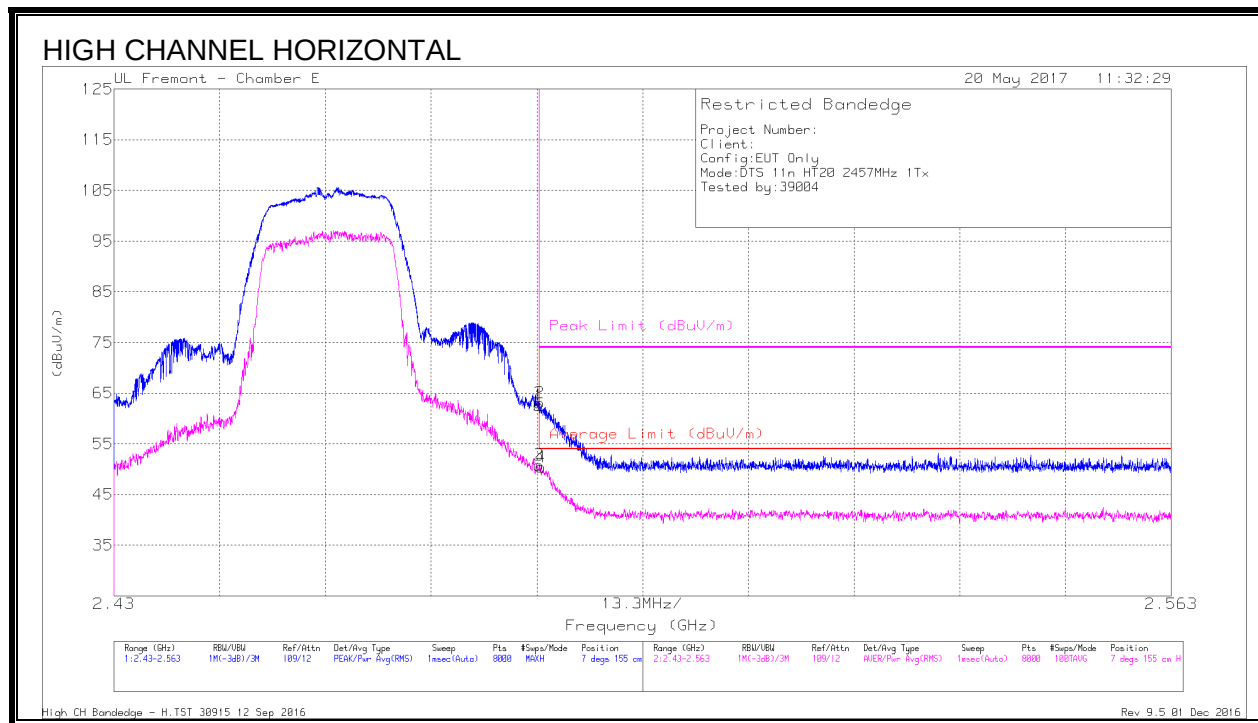
Pk - Peak detector

RMS - RMS detection

Low CH Bandedge - V.TST 30915 12 Sep 2016

Rev 9.5 01 Dec 2016

AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 10)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (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	49.55	Pk	32.7	-19.7	62.55	-	-	74	-11.45	7	155	H
2	* 2.484	50.11	Pk	32.7	-19.7	63.11	-	-	74	-10.89	7	155	H
3	* 2.484	37.74	RMS	32.7	-19.7	50.74	54	-3.26	-	-	7	155	H
4	* 2.484	37.41	RMS	32.7	-19.7	50.41	54	-3.59	-	-	7	155	H

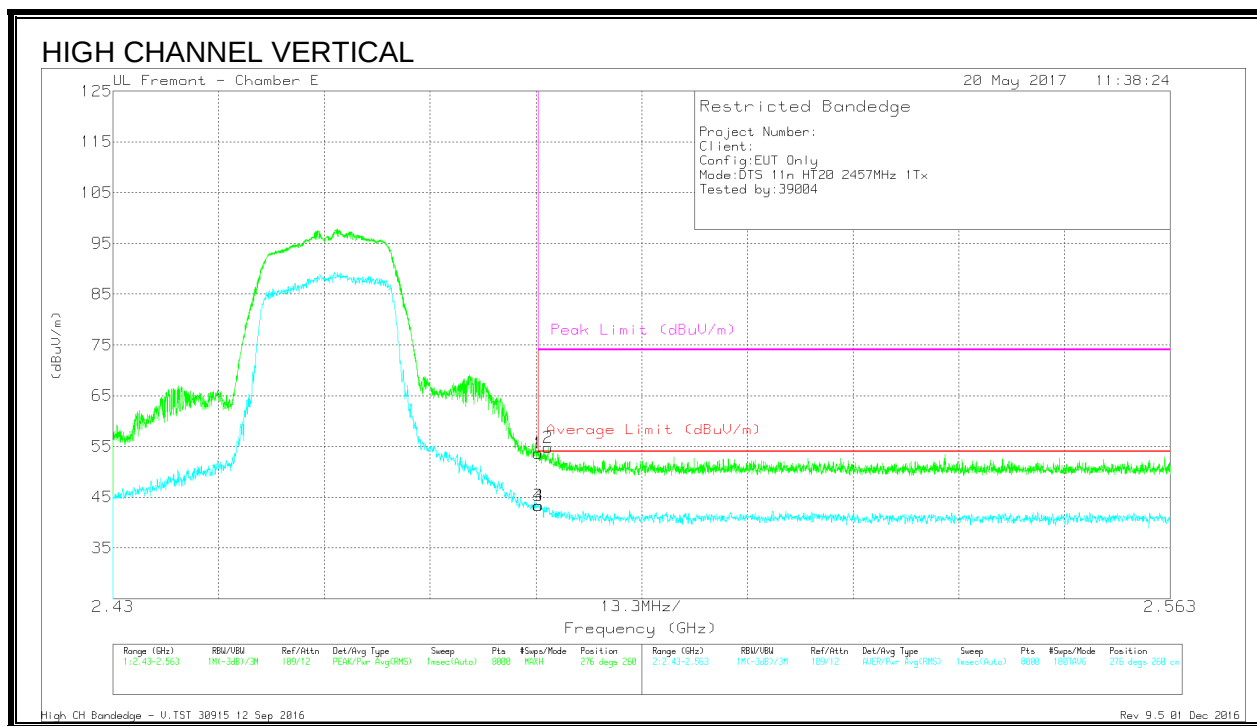
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

High CH Bandedge - H.TST 30915 12 Sep 2016

Rev 9.5 01 Dec 2016



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (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	40.69	Pk	32.7	-19.7	53.69	-	-	74	-20.31	276	260	V
2	* 2.485	41.71	Pk	32.7	-19.7	54.71	-	-	74	-19.29	276	260	V
3	* 2.484	30.3	RMS	32.7	-19.7	43.3	54	-10.7	-	-	276	260	V
4	* 2.484	30.39	RMS	32.7	-19.7	43.39	54	-10.61	-	-	276	260	V

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

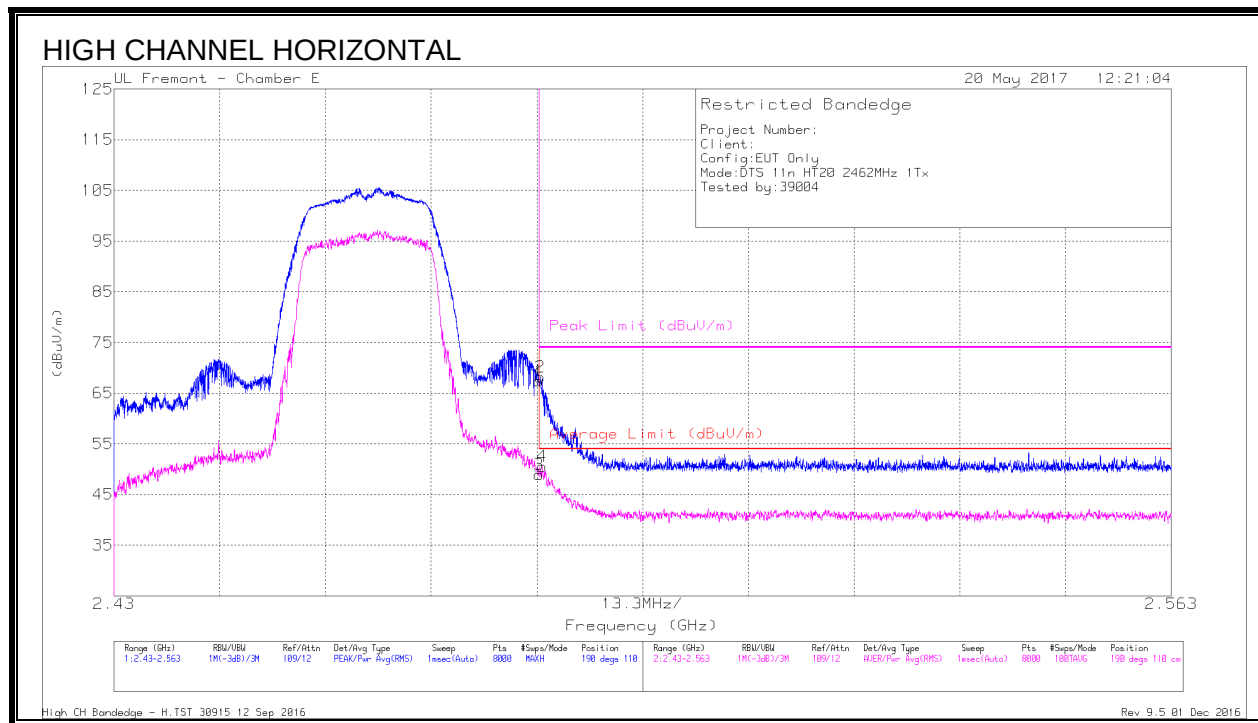
Pk - Peak detector

RMS - RMS detection

High CH Bandedge - V.TST 30915 12 Sep 2016

Rev 9.5 01 Dec 2016

AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 11)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (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	54.4	Pk	32.7	-19.7	67.4	-	-	74	-6.6	190	110	H
2	* 2.484	55.14	Pk	32.7	-19.7	68.14	-	-	74	-5.86	190	110	H
3	* 2.484	35.9	RMS	32.7	-19.7	48.9	54	-5.1	-	-	190	110	H
4	* 2.484	37.57	RMS	32.7	-19.7	50.57	54	-3.43	-	-	190	110	H

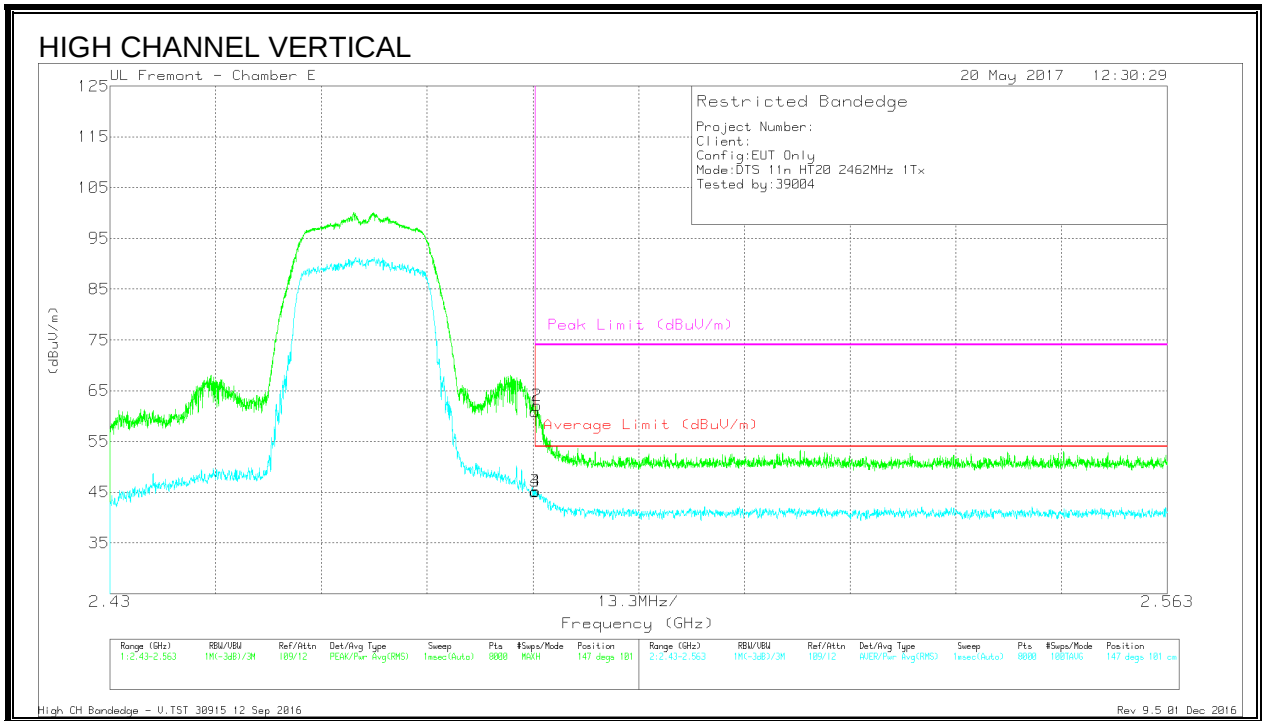
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

High CH Bandedge - H.TST 30915 12 Sep 2016

Rev 9.5 01 Dec 2016



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (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	47.89	Pk	32.7	-19.7	60.89	-	-	74	-13.11	147	101	V
2	* 2.484	49.04	Pk	32.7	-19.7	62.04	-	-	74	-11.96	147	101	V
3	* 2.484	32.14	RMS	32.7	-19.7	45.14	54	-8.86	-	-	147	101	V
4	* 2.484	32.15	RMS	32.7	-19.7	45.15	54	-8.85	-	-	147	101	V

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

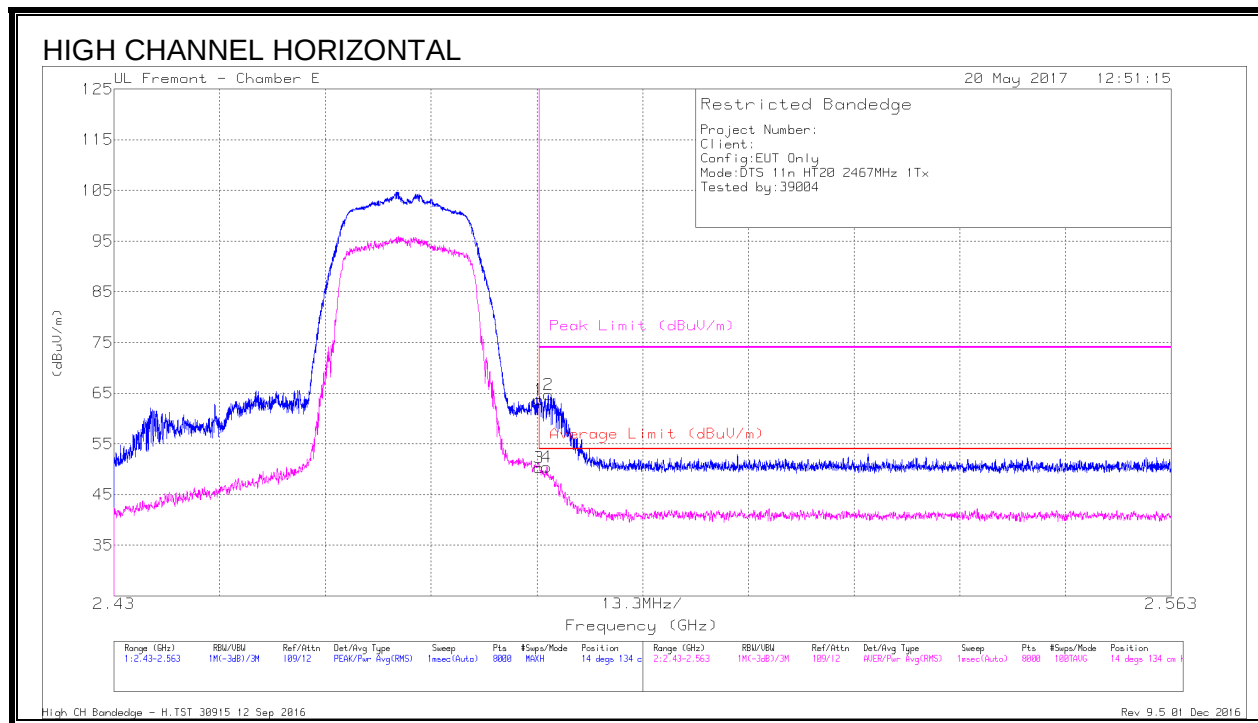
Pk - Peak detector

RMS - RMS detection

High CH Bandedge - V.TST 30915 12 Sep 2016

Rev 9.5 01 Dec 2016

AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 12)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/C bl/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	50.71	Pk	32.7	-19.7	63.71	-	-	74	-10.29	14	134	H
2	* 2.485	51.66	Pk	32.7	-19.7	64.66	-	-	74	-9.34	14	134	H
3	* 2.484	37.32	RMS	32.7	-19.7	50.32	54	-3.68	-	-	14	134	H
4	* 2.484	37.42	RMS	32.7	-19.7	50.42	54	-3.58	-	-	14	134	H

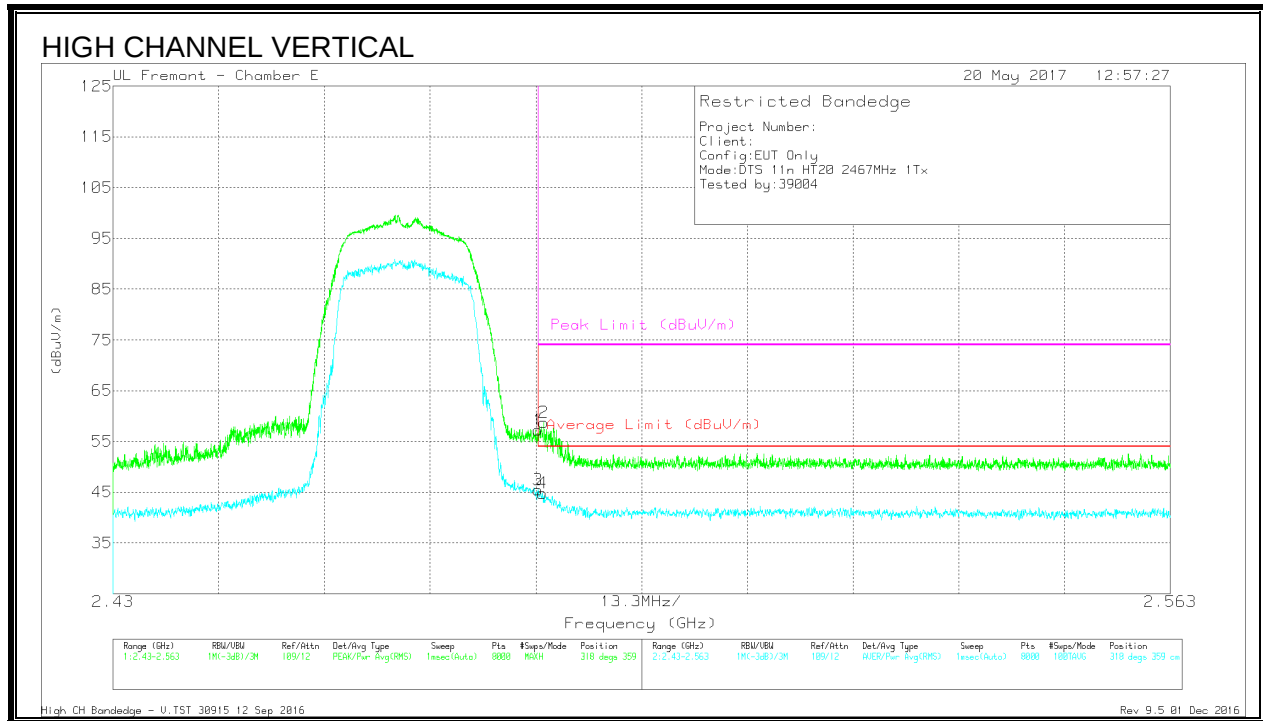
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

High CH Bandedge - H.TST 30915 12 Sep 2016

Rev 9.5 01 Dec 2016



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (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	44.22	Pk	32.7	-19.7	57.22	-	-	74	-16.78	318	359	V
2	* 2.484	45.68	Pk	32.7	-19.7	58.68	-	-	74	-15.32	318	359	V
3	* 2.484	32.48	RMS	32.7	-19.7	45.48	54	-8.52	-	-	318	359	V
4	* 2.484	31.77	RMS	32.7	-19.7	44.77	54	-9.23	-	-	318	359	V

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

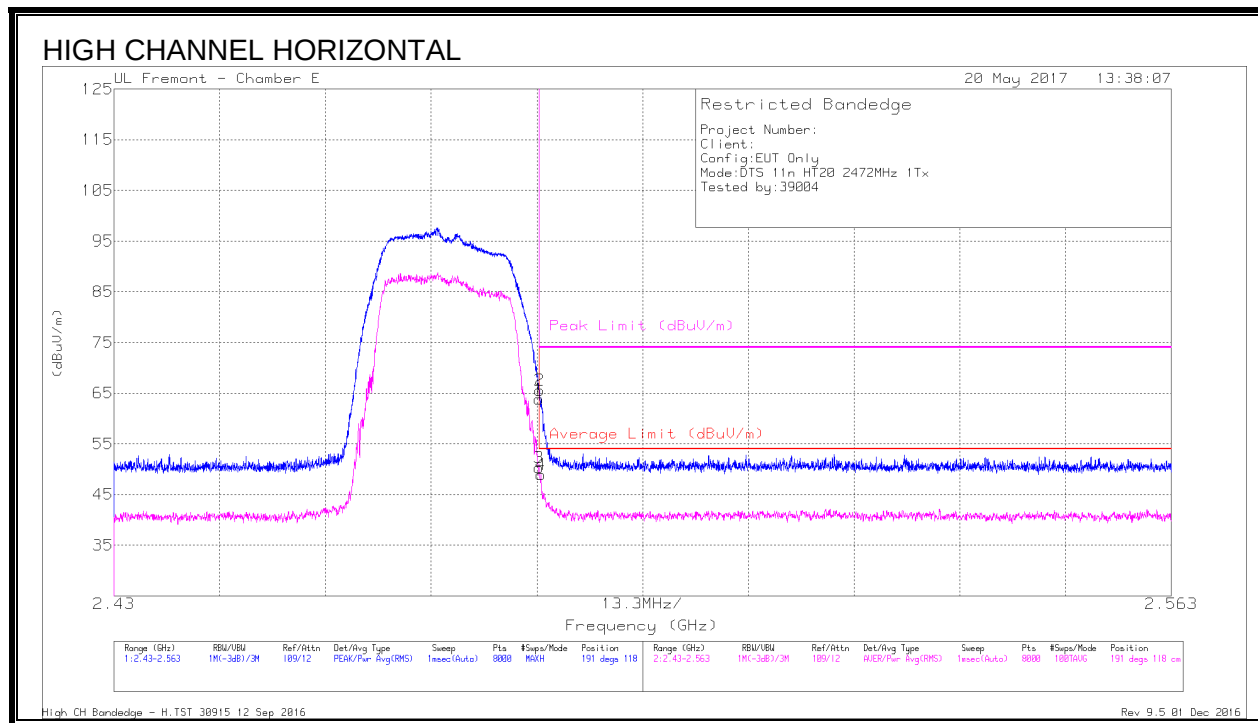
Pk - Peak detector

RMS - RMS detection

High CH Bandedge - V.TST 30915 12 Sep 2016

Rev 9.5 01 Dec 2016

AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 13)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (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	50.86	Pk	32.7	-19.7	63.86	-	-	74	-10.14	191	118	H
2	* 2.484	52.52	Pk	32.7	-19.7	65.52	-	-	74	-8.48	191	118	H
3	* 2.484	37.31	RMS	32.7	-19.7	50.31	54	-3.69	-	-	191	118	H
4	* 2.484	35.9	RMS	32.7	-19.7	48.9	54	-5.1	-	-	191	118	H

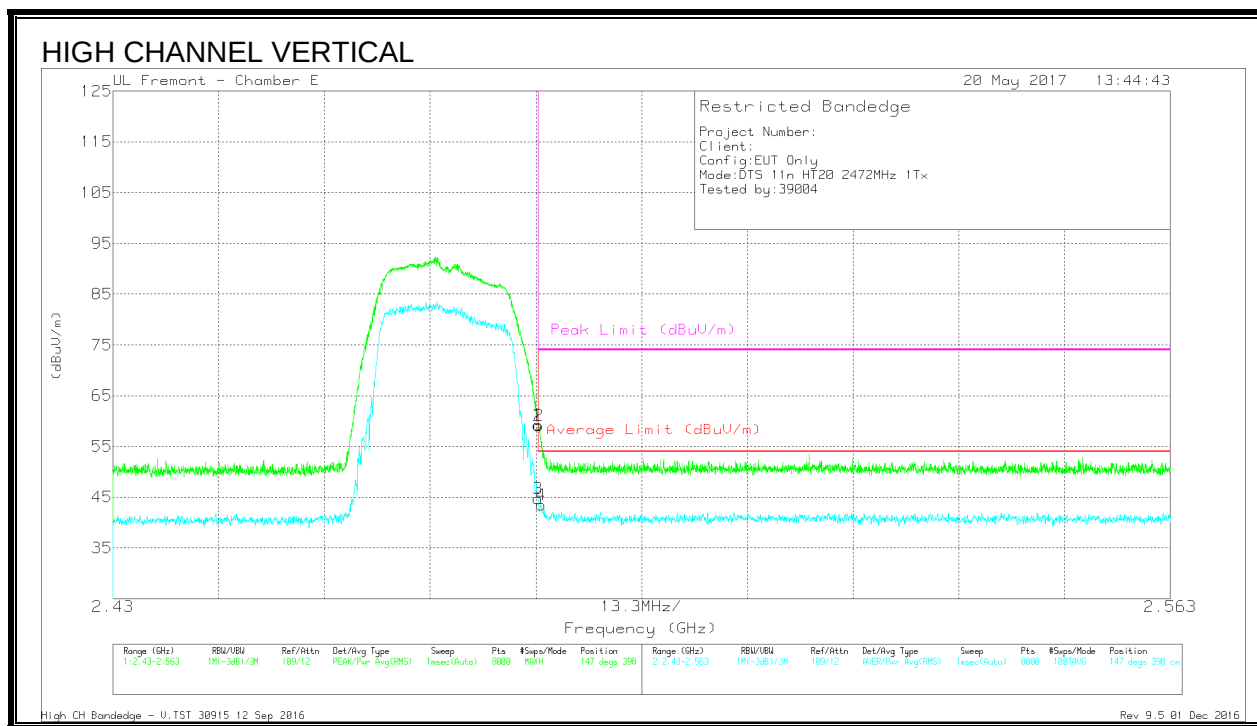
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

High CH Bandedge - H.TST 30915 12 Sep 2016

Rev 9.5 01 Dec 2016



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (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	46.19	Pk	32.7	-19.7	59.19	-	-	74	-14.81	147	398	V
2	* 2.484	46.13	Pk	32.7	-19.7	59.13	-	-	74	-14.87	147	398	V
3	* 2.484	31.7	RMS	32.7	-19.7	44.7	54	-9.3	-	-	147	398	V
4	* 2.484	30.46	RMS	32.7	-19.7	43.46	54	-10.54	-	-	147	398	V

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

Pk - Peak detector

RMS - RMS detection

High CH Bandedge - V.TST 30915 12 Sep 2016

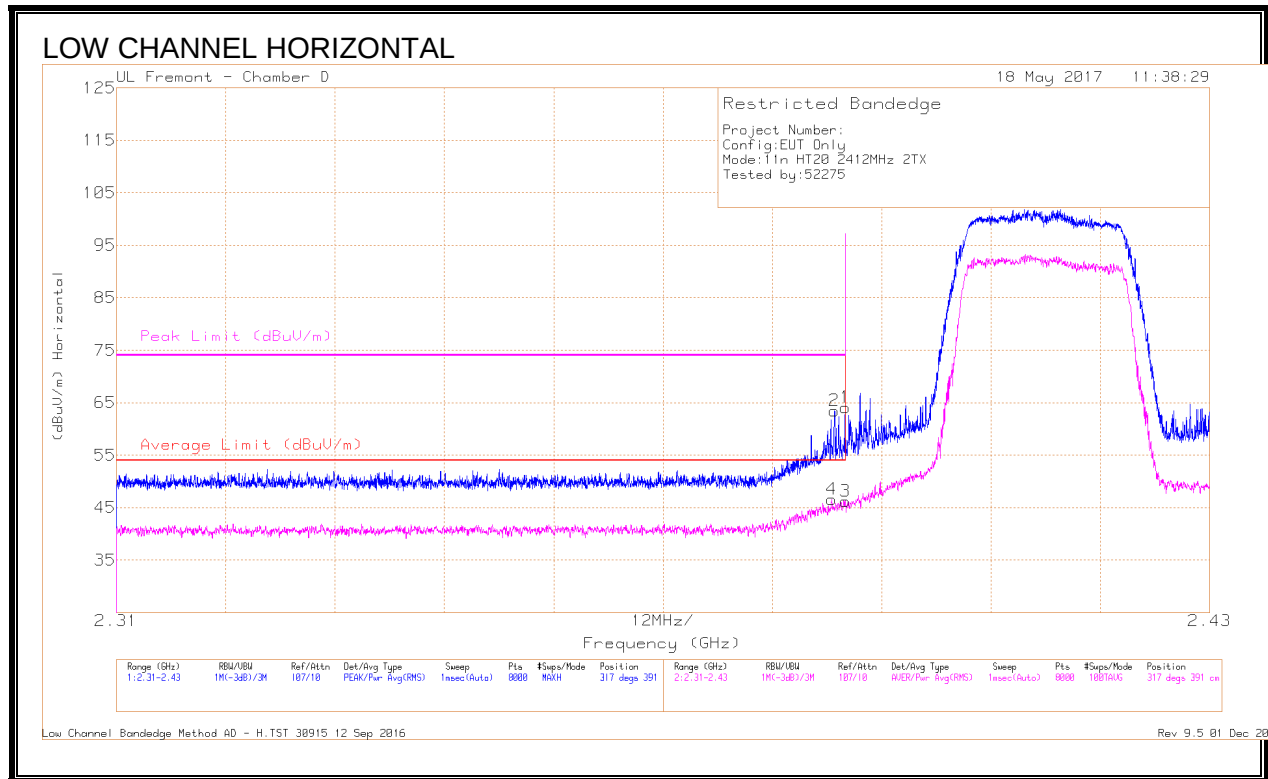
Rev 9.5 01 Dec 2016

HARMONICS AND SPURIOUS EMISSIONS

Note: Covered by HT20 2TX CDD mode.
:

9.2.5. 11n HT20 2TX CDD MIMO MODE IN THE 2.4GHz BAND

AUTHORIZED BANDEDGE (LOW CHANNEL, CH 1)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT120 (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	52.19	Pk	32.1	-20.8	63.49	-	-	74	-10.51	317	391	H
4	* 2.389	35.29	RMS	32.1	-20.8	46.59	54	-7.41	-	-	317	391	H
1	* 2.39	52.65	Pk	32.1	-20.7	64.05	-	-	74	-9.95	317	391	H
3	* 2.39	34.79	RMS	32.1	-20.7	46.19	54	-7.81	-	-	317	391	H

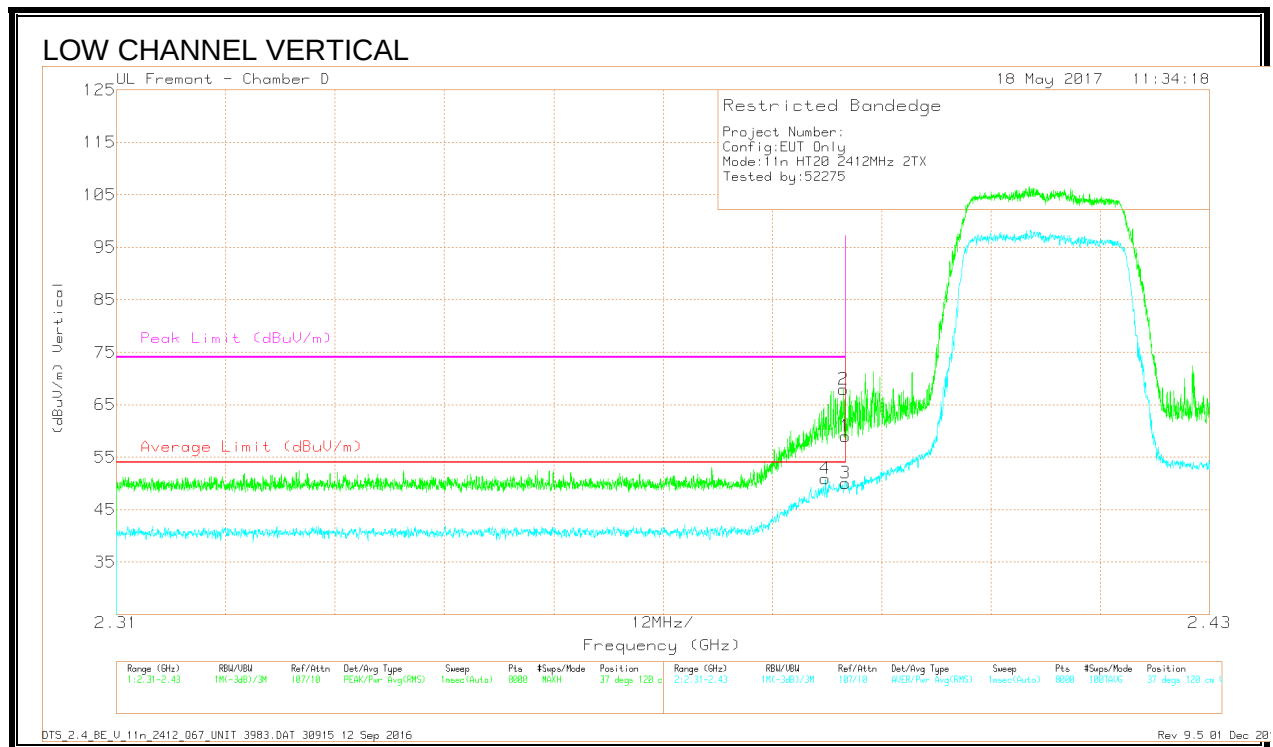
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

Low Channel Bandedge Method AD - H.TST 30915 12 Sep 2016

Rev 9.5 01 Dec 2016



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (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
4	* 2.388	39.58	RMS	32.1	-20.8	50.88	54	-3.12	-	-	37	120	V
1	* 2.39	47.56	Pk	32.1	-20.7	58.96	-	-	74	-15.04	37	120	V
2	* 2.39	56.53	Pk	32.1	-20.7	67.93	-	-	74	-6.07	37	120	V
3	* 2.39	38.62	RMS	32.1	-20.7	50.02	54	-3.98	-	-	37	120	V

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

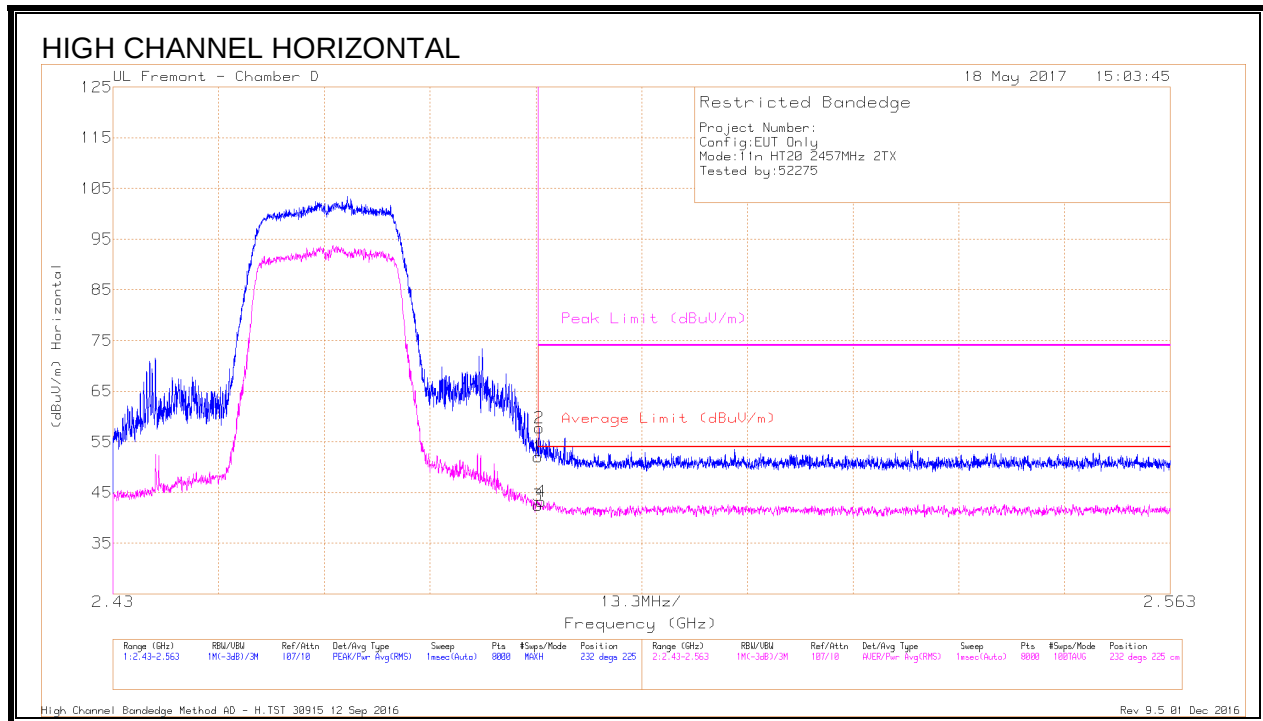
Pk - Peak detector

RMS - RMS detection

DTS_2.4_BE_V_11n_2412_Q67_UNIT 3983.DAT 30915 12 Sep 2016

Rev 9.5 01 Dec 2016

AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 10)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (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	40.34	Pk	32.5	-20.8	52.04	-	-	74	-21.96	232	225	H
2	* 2.484	46.06	Pk	32.5	-20.8	57.76	-	-	74	-16.24	232	225	H
3	* 2.484	30.77	RMS	32.5	-20.8	42.47	54	-11.53	-	-	232	225	H
4	* 2.484	31.49	RMS	32.5	-20.8	43.19	54	-10.81	-	-	232	225	H

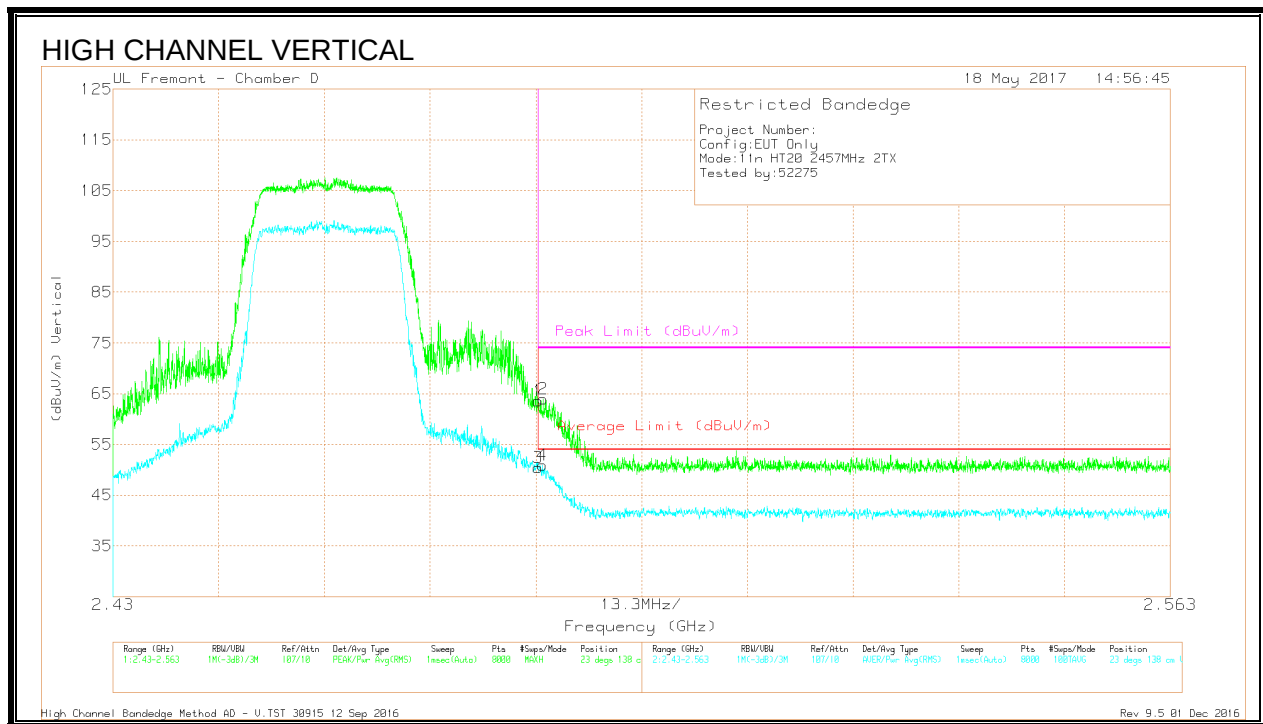
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

High Channel Bandedge Method AD - H.TST 30915 12 Sep 2016

Rev 9.5 01 Dec 2016



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (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	51.85	Pk	32.5	-20.8	63.55	-	-	74	-10.45	23	138	V
2	* 2.484	52.21	Pk	32.5	-20.8	63.91	-	-	74	-10.09	23	138	V
3	* 2.484	38.71	RMS	32.5	-20.8	50.41	54	-3.59	-	-	23	138	V
4	* 2.484	39.18	RMS	32.5	-20.8	50.88	54	-3.12	-	-	23	138	V

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

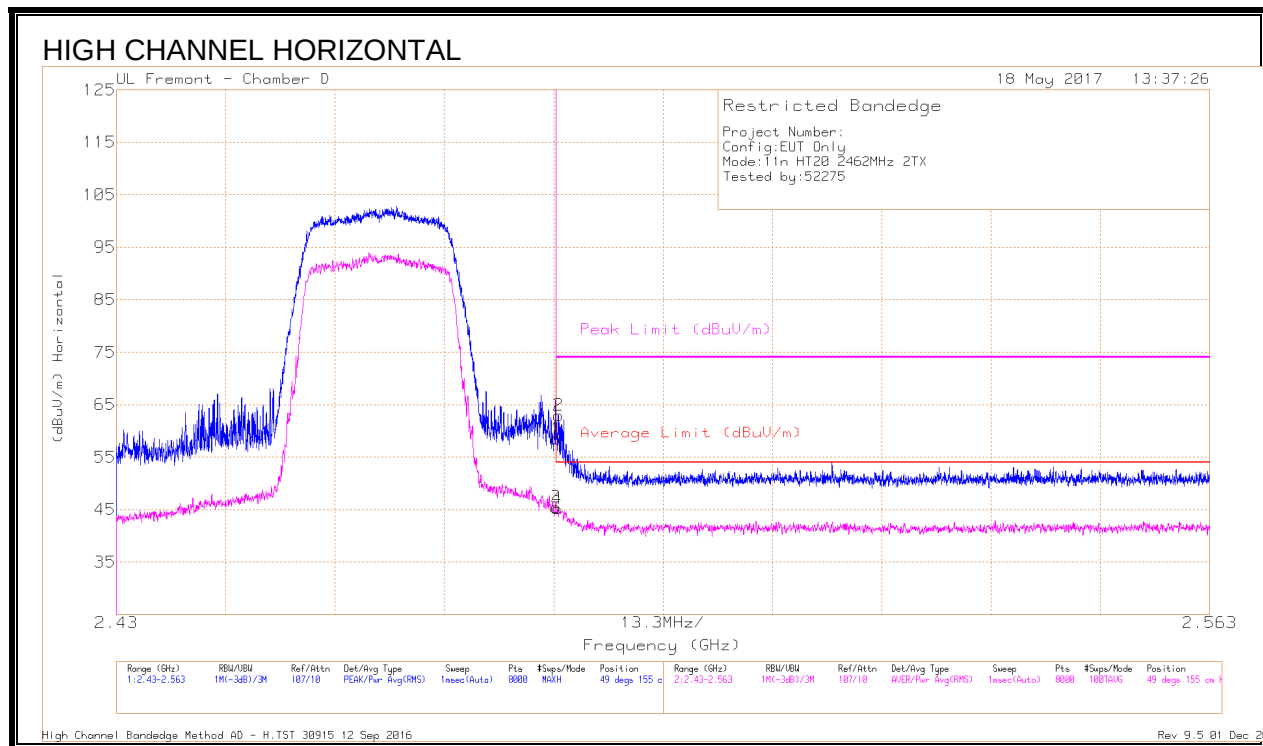
Pk - Peak detector

RMS - RMS detection

High Channel Bandedge Method AD - V.TST 30915 12 Sep 2016

Rev 9.5 01 Dec 2016

AUTHORIZED BANDEGE (HIGH CHANNEL, CH 11)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT120 (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	46.74	Pk	32.5	-20.8	58.44	-	-	74	-15.56	49	155	H
2	* 2.484	51.28	Pk	32.5	-20.8	62.98	-	-	74	-11.02	49	155	H
3	* 2.484	33.75	RMS	32.5	-20.8	45.45	54	-8.55	-	-	49	155	H
4	* 2.484	33.46	RMS	32.5	-20.8	45.16	54	-8.84	-	-	49	155	H

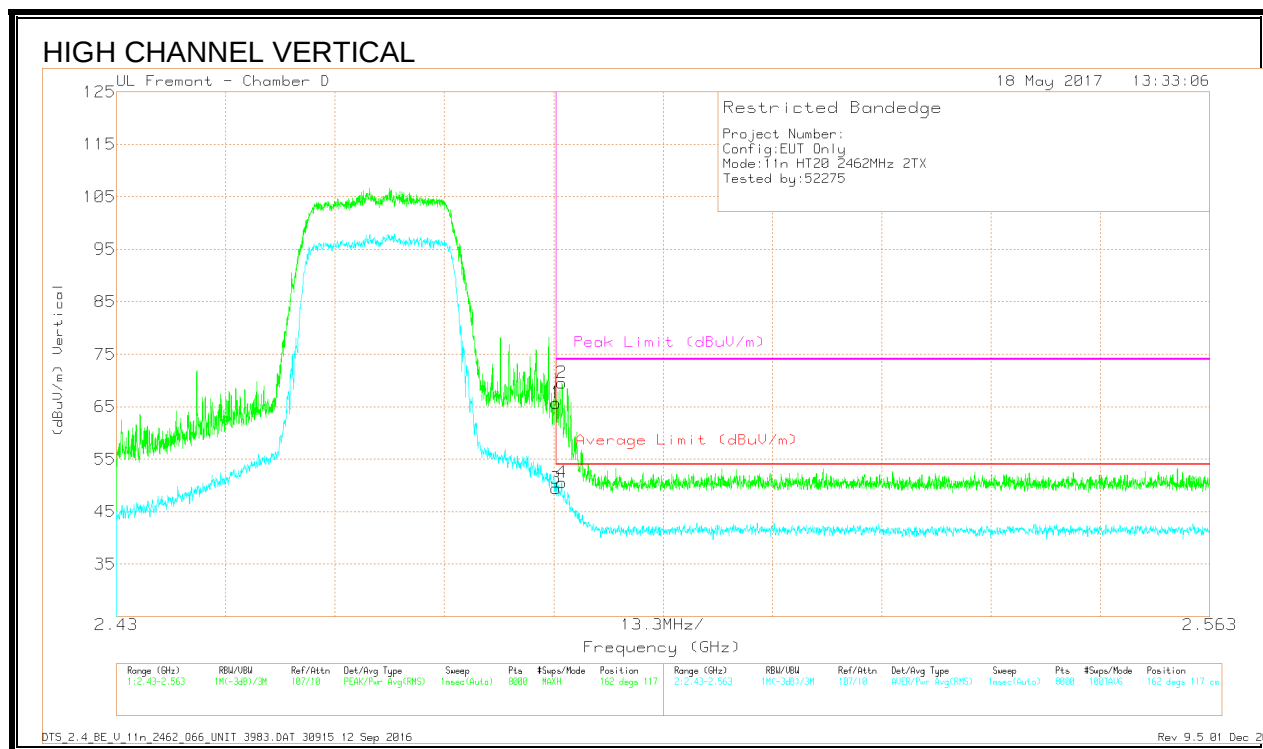
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

High Channel Bandedge Method AD - H.TST 30915 12 Sep 2016

Rev 9.5 01 Dec 2016



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (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	54.04	Pk	32.5	-20.8	65.74	-	-	74	-8.26	162	117	V
2	* 2.484	57.82	Pk	32.5	-20.8	69.52	-	-	74	-4.48	162	117	V
3	* 2.484	37.67	RMS	32.5	-20.8	49.37	54	-4.63	-	-	162	117	V
4	* 2.484	38.84	RMS	32.5	-20.8	50.54	54	-3.46	-	-	162	117	V

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

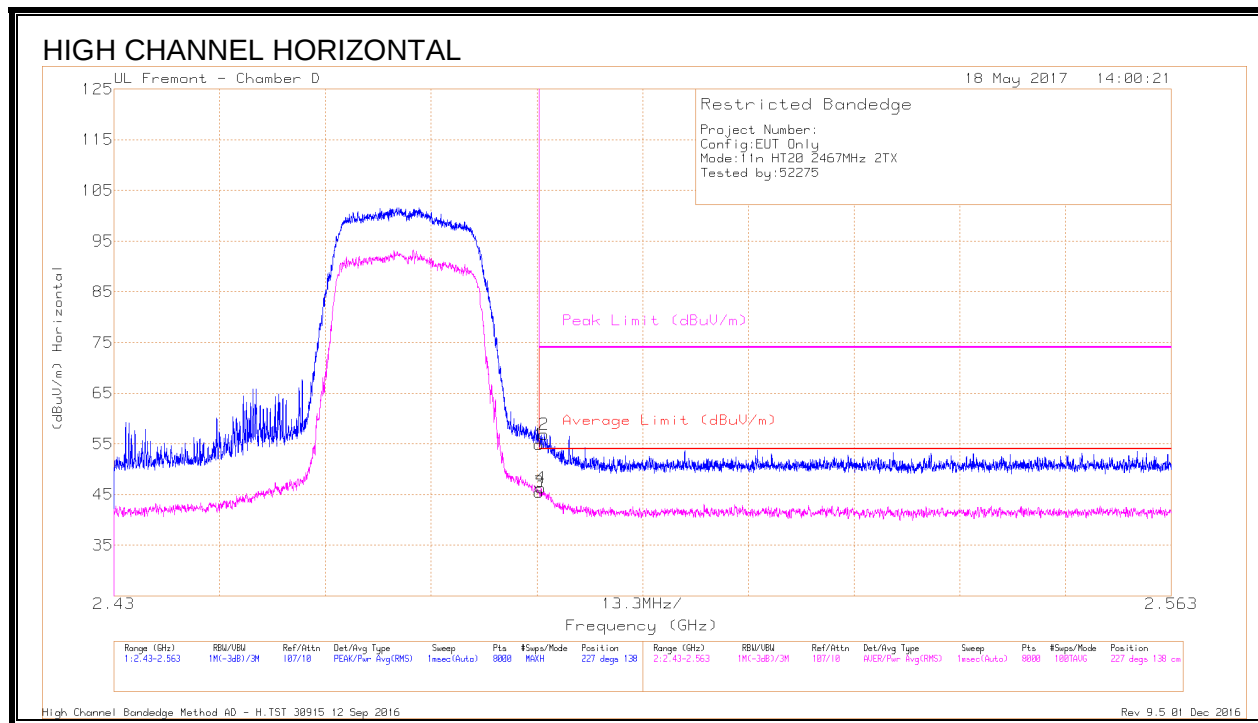
Pk - Peak detector

RMS - RMS detection

DTS_2.4_BE_V_11n_2462_Q66_UNIT_3983.DAT 30915 12 Sep 2016

Rev 9.5 01 Dec 2016

AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 12)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (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	43.23	Pk	32.5	-20.8	54.93	-	-	74	-19.07	227	138	H
2	* 2.484	45.2	Pk	32.5	-20.8	56.9	-	-	74	-17.1	227	138	H
3	* 2.484	33.8	RMS	32.5	-20.8	45.5	54	-8.5	-	-	227	138	H
4	* 2.484	34.63	RMS	32.5	-20.8	46.33	54	-7.67	-	-	227	138	H

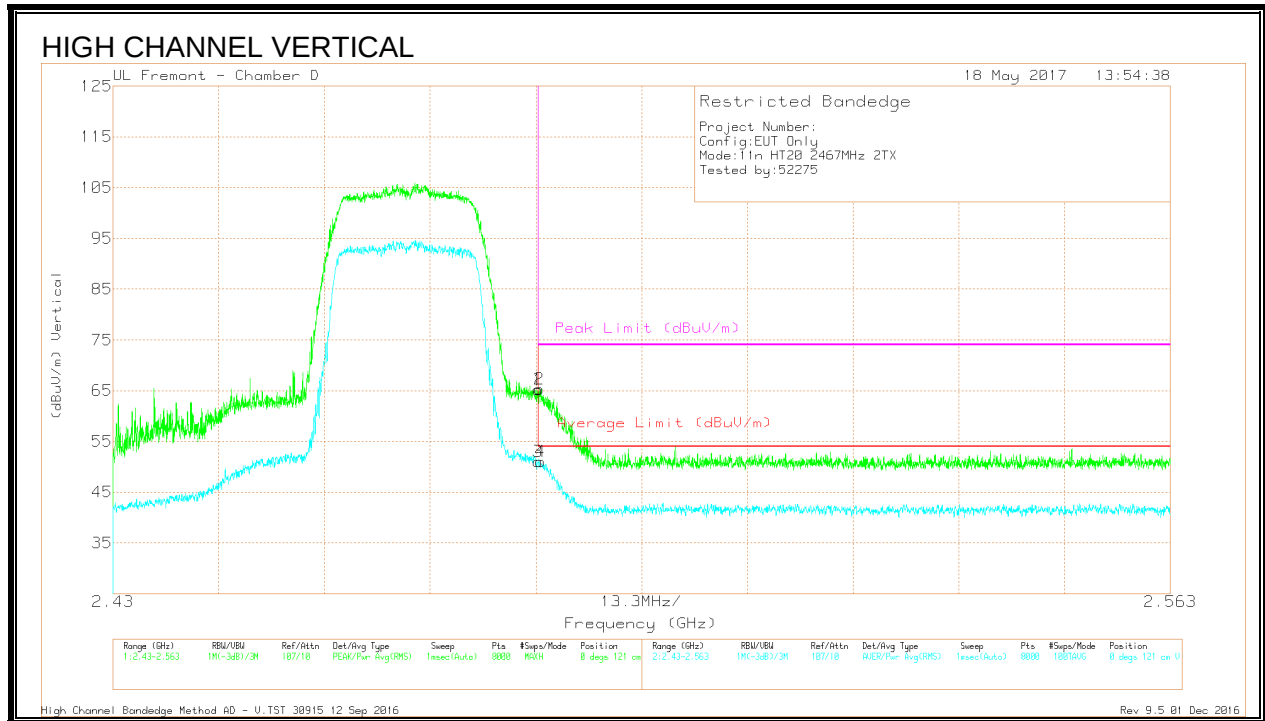
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

High Channel Bandedge Method AD - H.TST 30915 12 Sep 2016

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Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (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	53.46	Pk	32.5	-20.8	65.16	-	-	74	-8.84	0	121	V
2	* 2.484	53.65	Pk	32.5	-20.8	65.35	-	-	74	-8.65	0	121	V
3	* 2.484	39.37	RMS	32.5	-20.8	51.07	54	-2.93	-	-	0	121	V
4	* 2.484	39.35	RMS	32.5	-20.8	51.05	54	-2.95	-	-	0	121	V

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

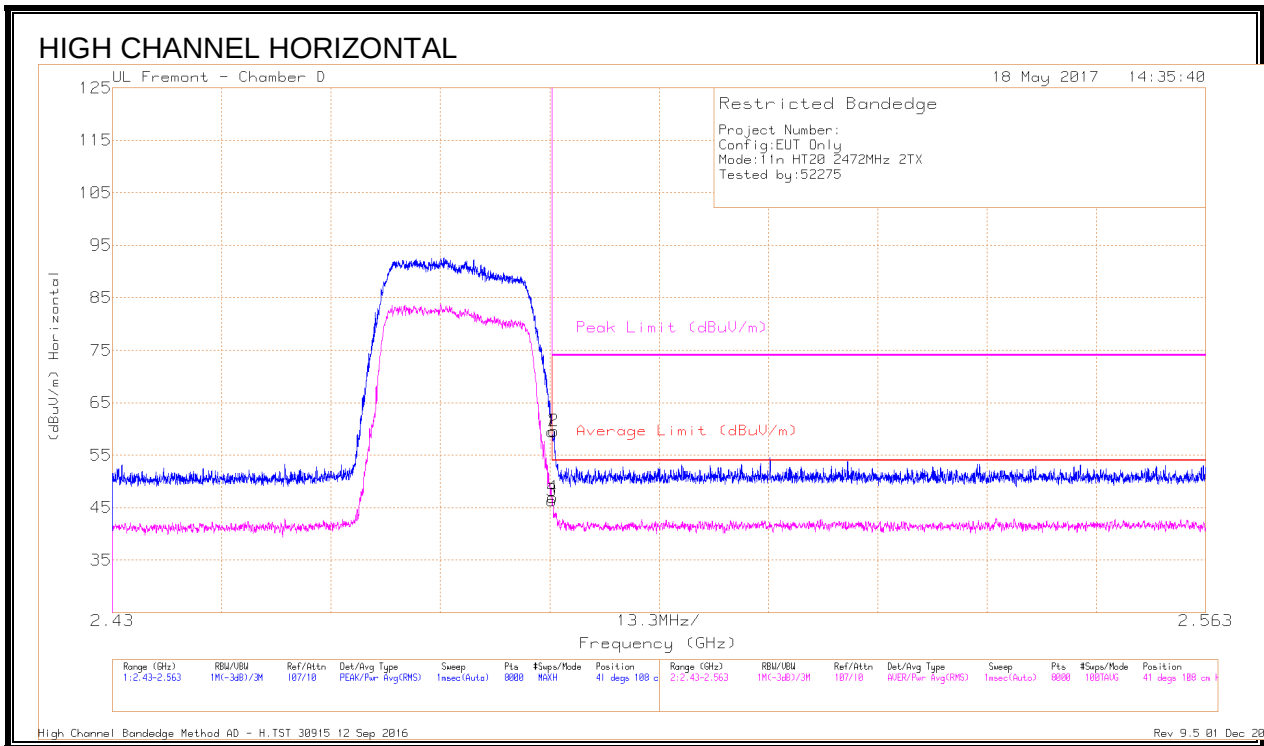
Pk - Peak detector

RMS - RMS detection

High Channel Bandedge Method AD - V.TST 30915 12 Sep 2016

Rev 9.5 01 Dec 2016

AUTHORIZED BANDEGE (HIGH CHANNEL, CH 13)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT120 (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	47.82	Pk	32.5	-20.8	59.52	-	-	74	-14.48	41	108	H
2	* 2.484	47.89	Pk	32.5	-20.8	59.59	-	-	74	-14.41	41	108	H
3	* 2.484	34.65	RMS	32.5	-20.8	46.35	54	-7.65	-	-	41	108	H
4	* 2.484	35.26	RMS	32.5	-20.8	46.96	54	-7.04	-	-	41	108	H

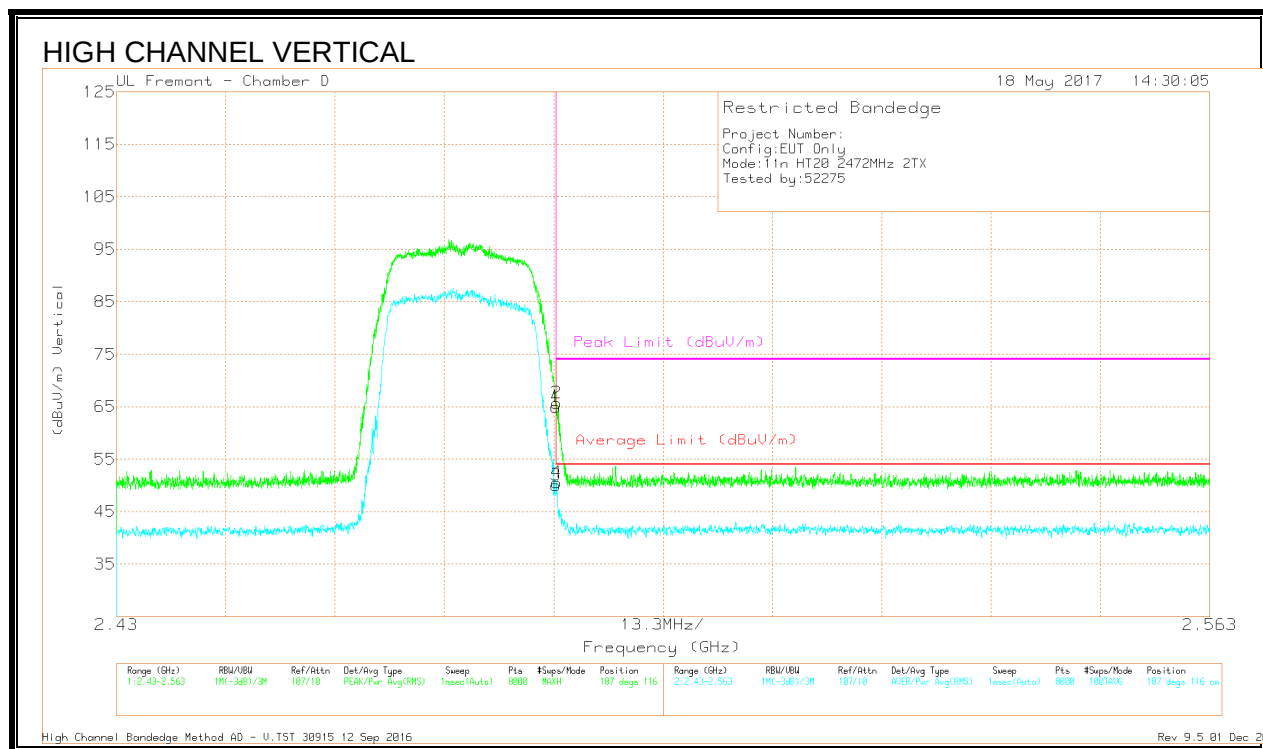
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

High Channel Bandedge Method AD - H.TST 30915 12 Sep 2016

Rev 9.5 01 Dec 2016



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (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	53.22	Pk	32.5	-20.8	64.92	-	-	74	-9.08	187	116	V
2	* 2.484	53.97	Pk	32.5	-20.8	65.67	-	-	74	-8.33	187	116	V
3	* 2.484	38.32	RMS	32.5	-20.8	50.02	54	-3.98	-	-	187	116	V
4	* 2.484	38.8	RMS	32.5	-20.8	50.5	54	-3.5	-	-	187	116	V

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

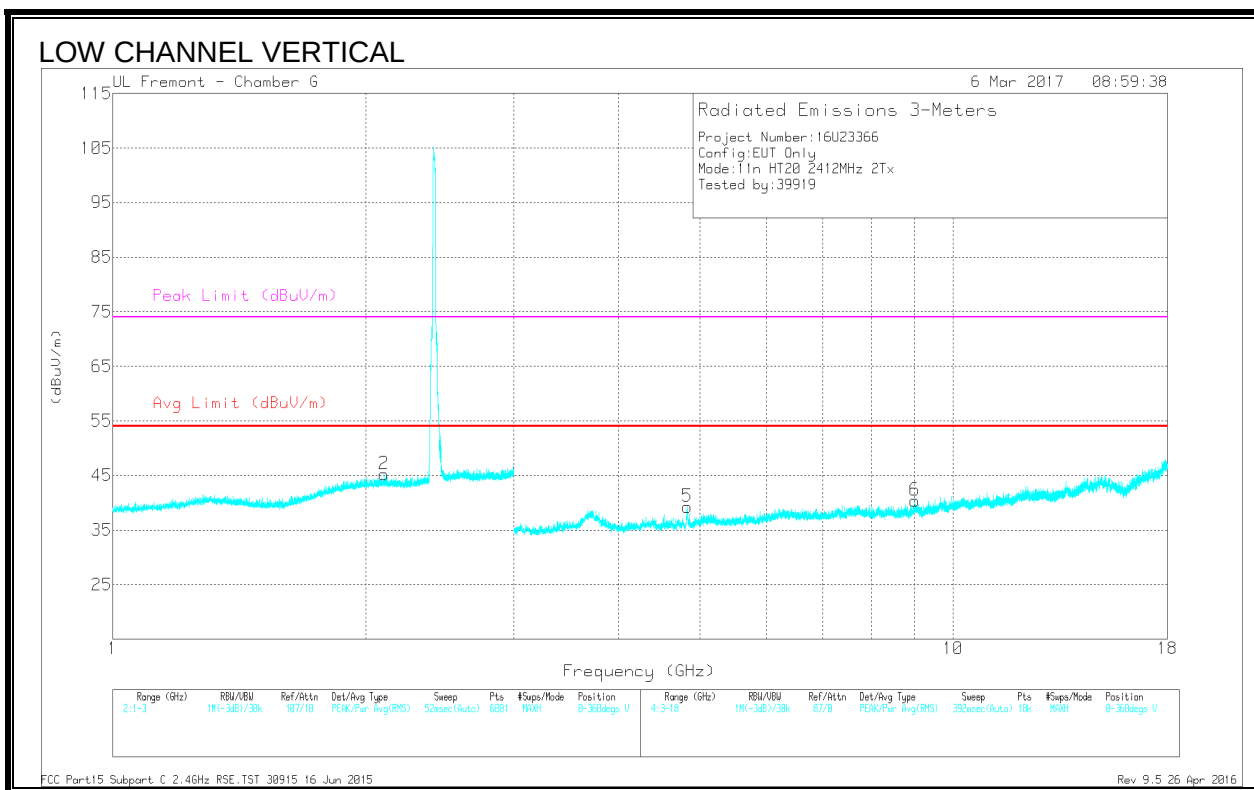
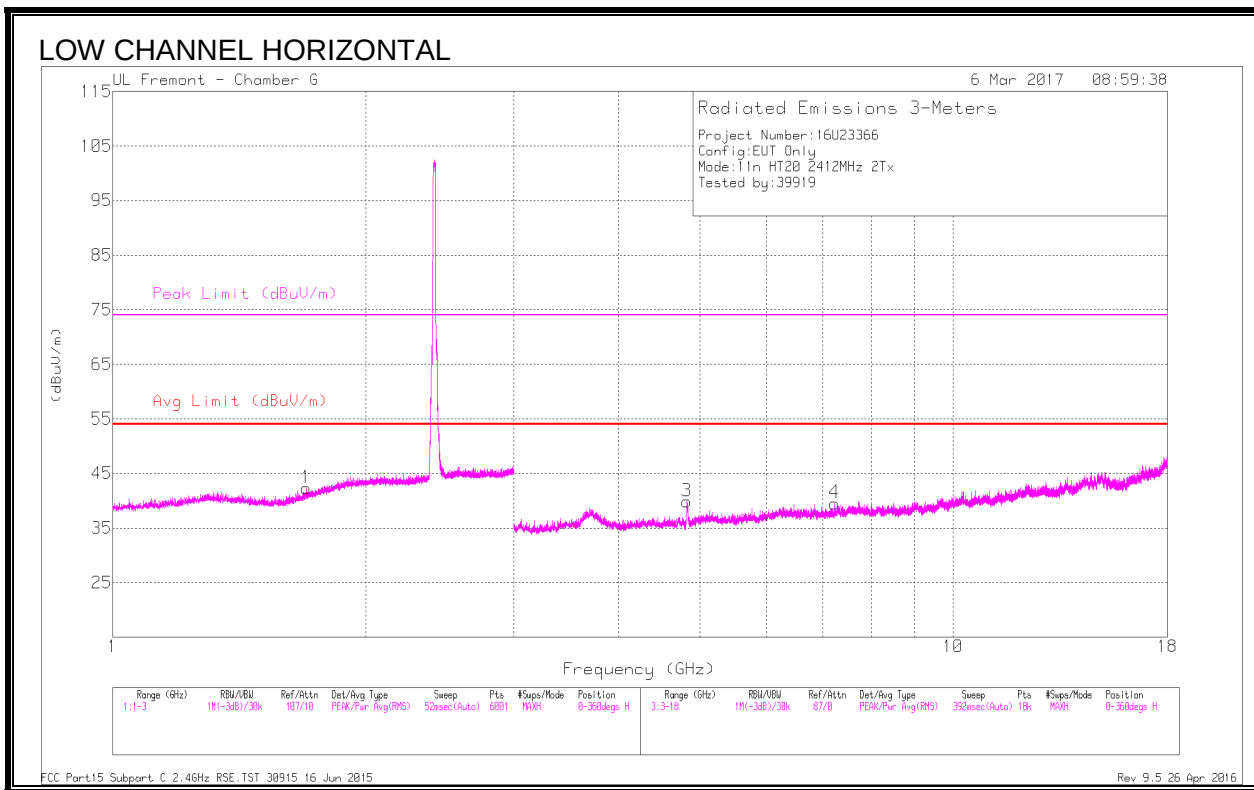
Pk - Peak detector

RMS - RMS detection

High Channel Bandedge Method AD - V.TST 30915 12 Sep 2016

Rev 9.5 01 Dec 2016

HARMONICS AND SPURIOUS EMISSIONS LOW CHANNEL, CH 1)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT136 (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
1	* 1.7	44.03	PK2	29.2	-24.3	48.93	-	-	74	-25.07	159	202	H
	* 1.702	32.8	MAv1	29.2	-24.3	37.7	54	-16.3	-	-	159	202	H
3	* 4.827	45.43	PK2	34.5	-31.9	48.03	-	-	74	-25.97	87	152	H
	* 4.824	35.18	MAv1	34.5	-31.9	37.78	54	-16.22	-	-	87	152	H
5	* 4.826	43.33	PK2	34.5	-31.9	45.93	-	-	74	-28.07	10	193	V
	* 4.824	32.99	MAv1	34.5	-31.9	35.59	54	-18.41	-	-	10	193	V
6	* 9.015	38.3	PK2	36.2	-27.7	46.8	-	-	74	-27.2	120	101	V
	* 9.014	26.89	MAv1	36.2	-27.7	35.39	54	-18.61	-	-	120	101	V
2	2.102	43.66	PK2	31.6	-24	51.26	-	-	-	-	215	202	V
4	7.235	39.27	PK2	35.8	-29.9	45.17	-	-	-	-	125	101	H

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

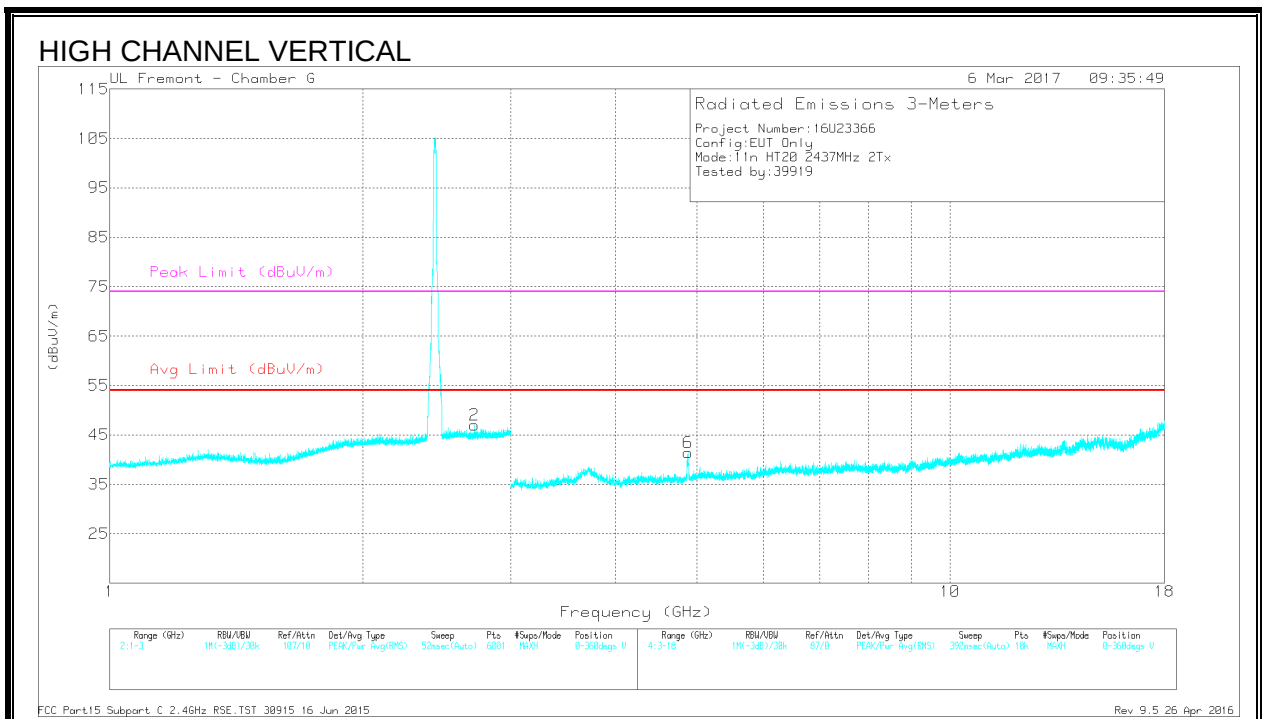
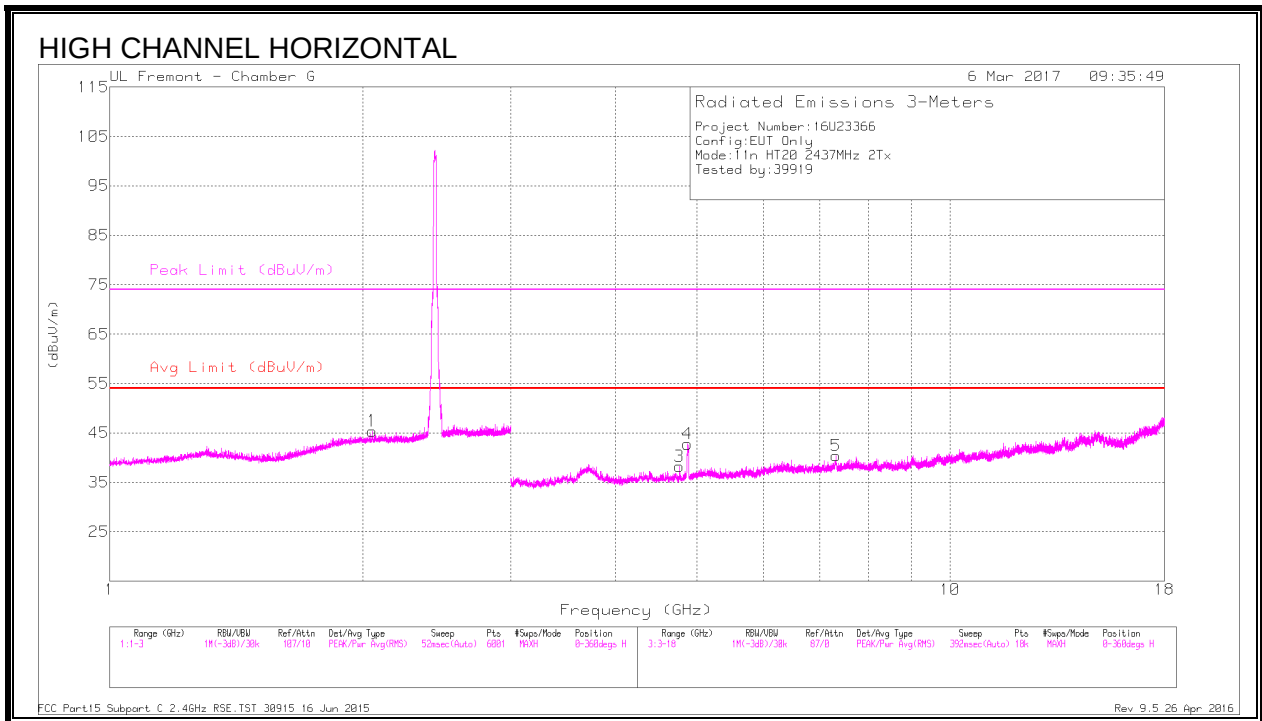
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

FCC Part15 Subpart C 2.4GHz RSE.TST 30915 16 Jun 2015

Rev 9.5 26 Apr 2016

HARMONICS AND SPURIOUS EMISSIONS HIGH CHANNEL, CH 6)



DATA

Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/FI tr/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	* 2.718	43.27	PK2	32.5	-23.5	52.27	-	-	74	-21.73	256	201	V
	* 2.718	32.23	MAv1	32.5	-23.5	41.23	54	-12.77	-	-	256	201	V
3	* 4.778	40.28	PK2	34.4	-31.9	42.78	-	-	74	-31.22	4	118	H
	* 4.775	30.21	MAv1	34.4	-31.9	32.71	54	-21.29	-	-	4	118	H
4	* 4.869	47.34	PK2	34.5	-31.8	50.04	-	-	74	-23.96	88	106	H
	* 4.875	36.68	MAv1	34.5	-31.8	39.38	54	-14.62	-	-	88	106	H
5	* 7.322	40.36	PK2	35.8	-29.9	46.26	-	-	74	-27.74	355	244	H
	* 7.323	29.11	MAv1	35.8	-29.9	35.01	54	-18.99	-	-	355	244	H
6	* 4.874	41.71	PK2	34.5	-31.8	44.41	-	-	74	-29.59	319	207	V
	* 4.884	30.67	MAv1	34.5	-31.8	33.37	54	-20.63	-	-	319	207	V
1	2.054	43.64	PK2	31.6	-24	51.24	-	-	-	-	13	101	H

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

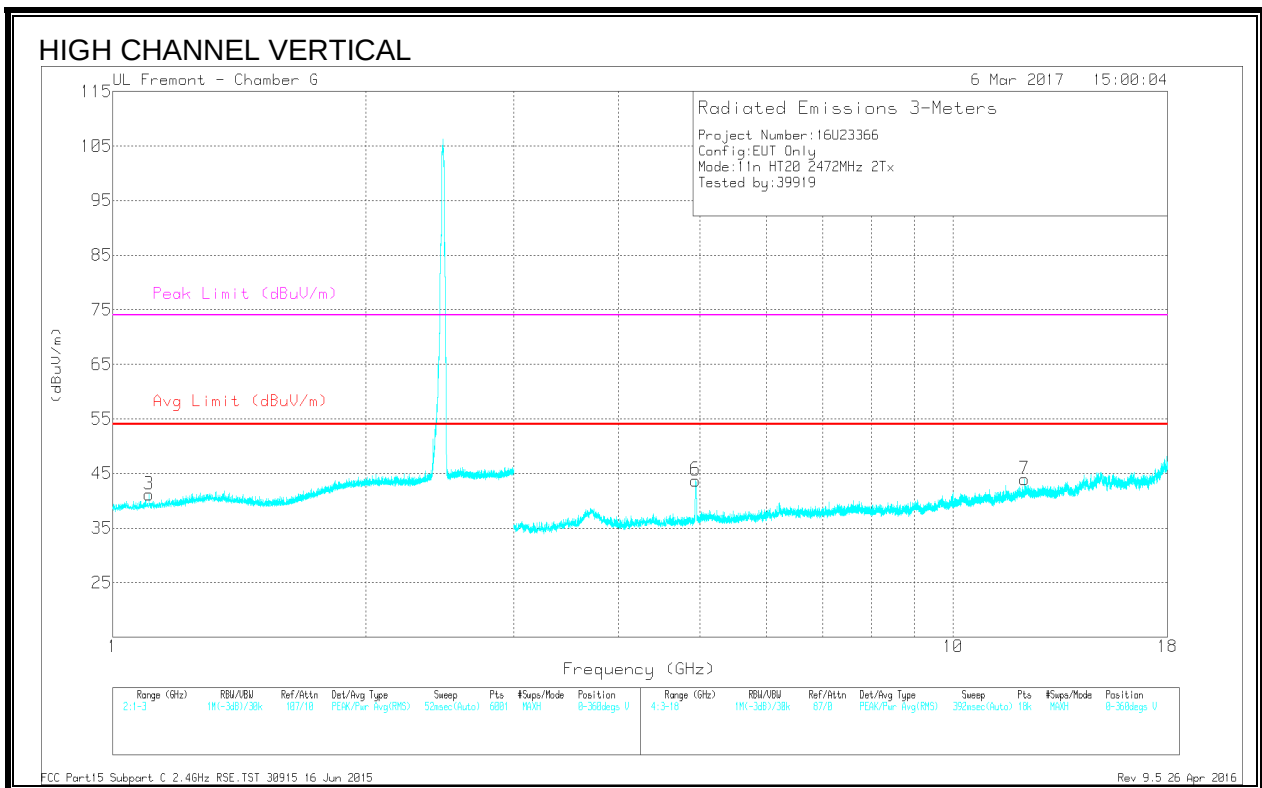
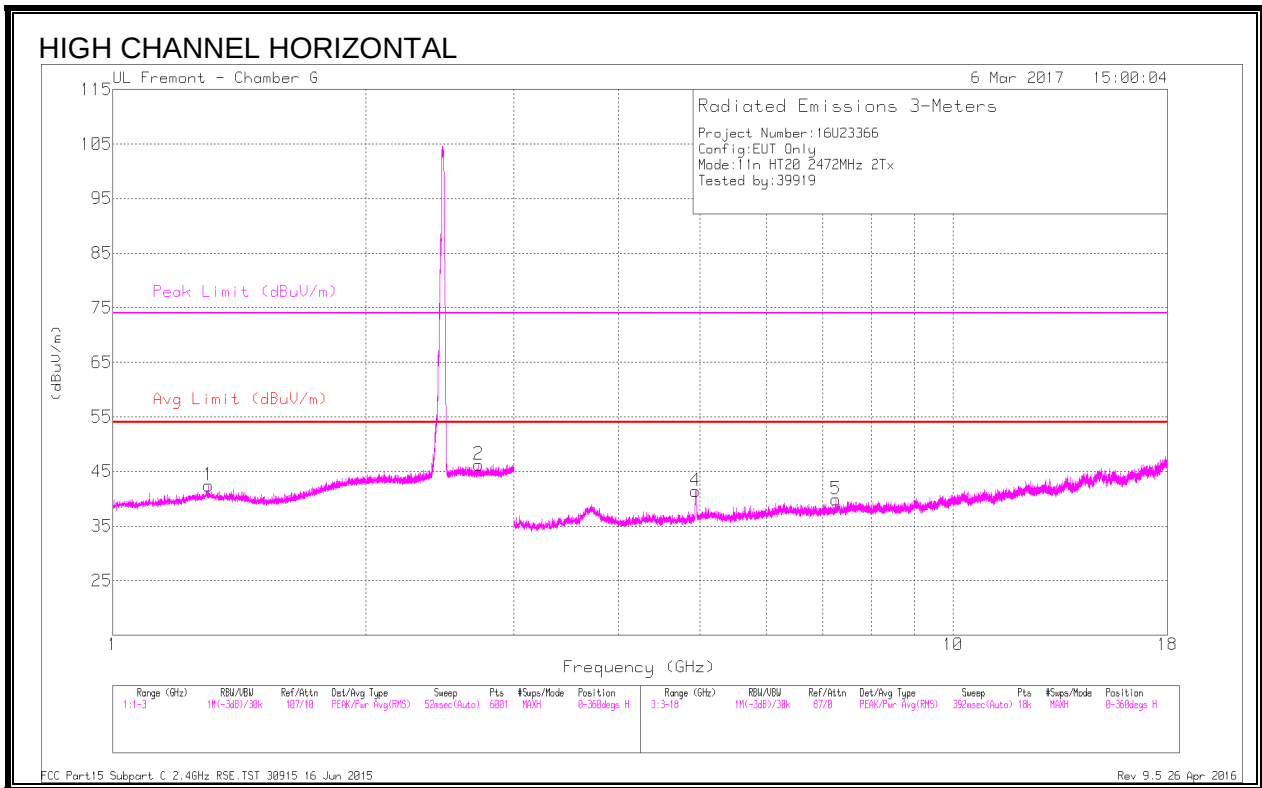
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

FCC Part15 Subpart C 2.4GHz RSE.TST 30915 16 Jun 2015

Rev 9.5 26 Apr 2016

HARMONICS AND SPURIOUS EMISSIONS HIGH CHANNEL, CH 13)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT136 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.3	44.2	PK2	29.2	-25	48.4	-	-	74	-25.6	243	101	H
	* 1.3	33.18	MAv1	29.2	-25	37.38	54	-16.62	-	-	243	101	H
2	* 2.726	43.81	PK2	32.5	-23.6	52.71	-	-	74	-21.29	167	202	H
	* 2.726	32.46	MAv1	32.5	-23.6	41.36	54	-12.64	-	-	167	202	H
3	* 1.104	44	PK2	27.7	-25.1	46.6	-	-	74	-27.4	53	100	V
	* 1.104	33.1	MAv1	27.7	-25.1	35.7	54	-18.3	-	-	53	100	V
4	* 4.942	47.97	PK2	34.6	-31.8	50.77	-	-	74	-23.23	4	240	H
	* 4.941	37.55	MAv1	34.6	-31.8	40.35	54	-13.65	-	-	4	240	H
5	* 7.253	39.31	PK2	35.8	-29.7	45.41	-	-	74	-28.59	189	261	H
	* 7.256	28.62	MAv1	35.8	-29.6	34.82	54	-19.18	-	-	189	261	H
6	* 4.937	47.39	PK2	34.6	-31.9	50.09	-	-	74	-23.91	351	224	V
	* 4.941	37.39	MAv1	34.6	-31.8	40.19	54	-13.81	-	-	351	224	V
7	* 12.177	35.26	PK2	39.2	-26	48.46	-	-	74	-25.54	282	200	V
	* 12.177	24.87	MAv1	39.2	-26	38.07	54	-15.93	-	-	282	200	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

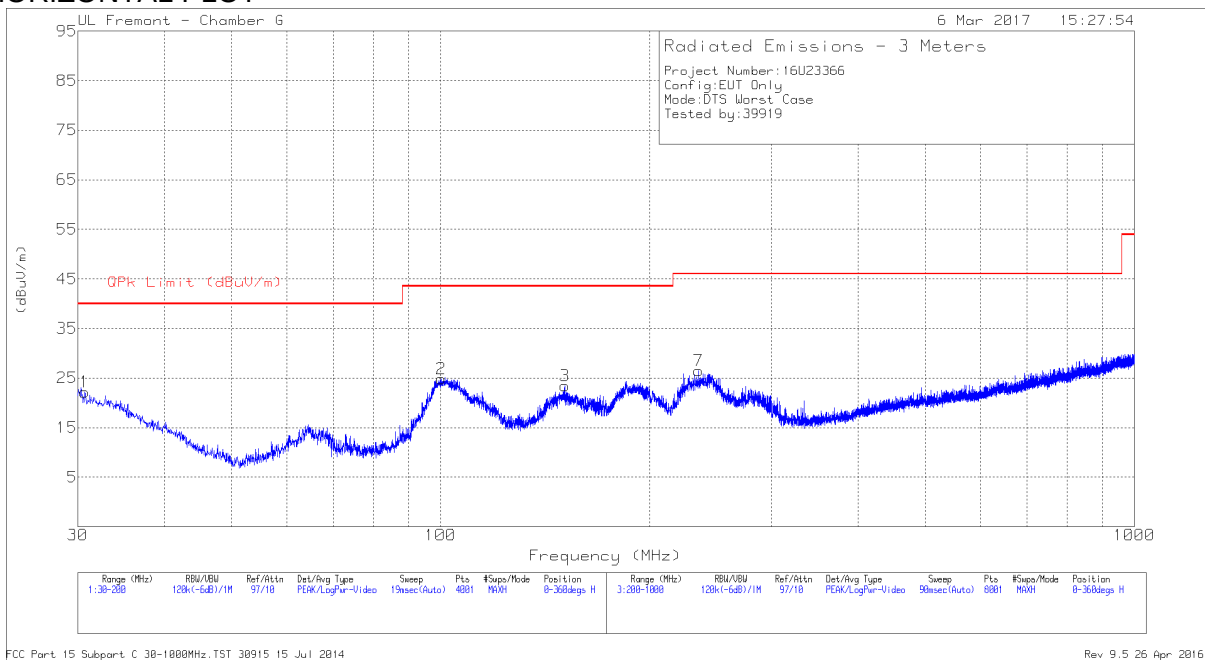
FCC Part15 Subpart C 2.4GHz RSE.TST 30915 16 Jun 2015

Rev 9.5 26 Apr 2016

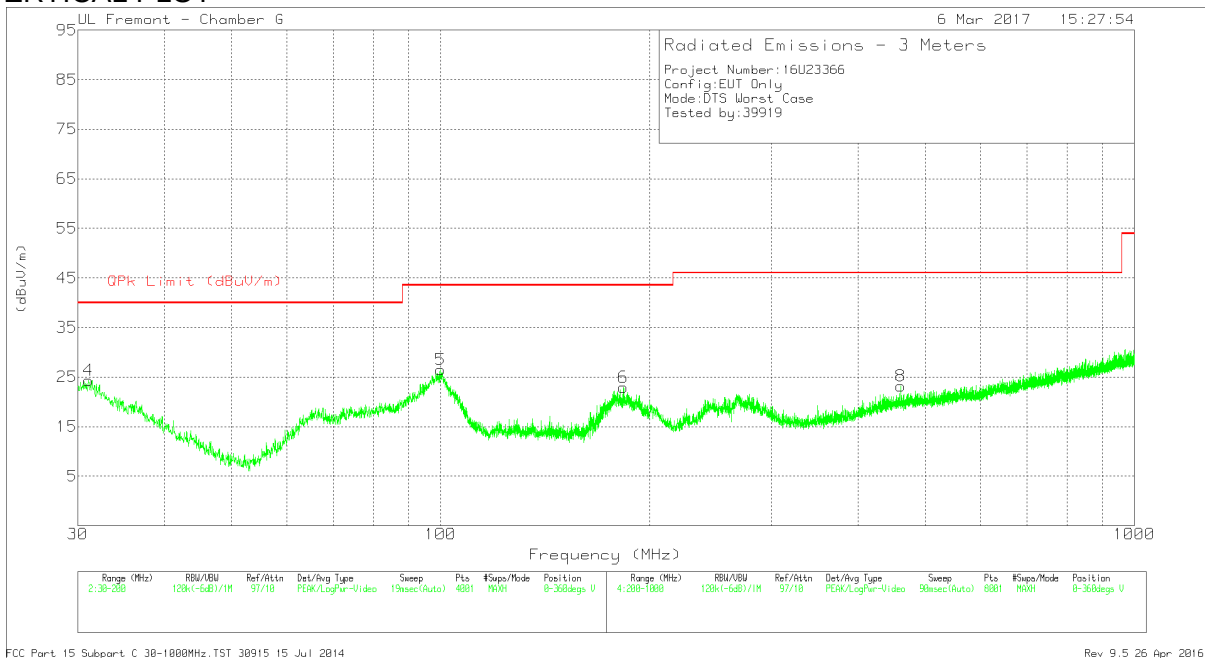
9.3. WORST-CASE BELOW 1 GHz

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

HORIZONTAL PLOT



VERTICAL PLOT



DATA

Marker	Frequenc y (MHz)	Meter Reading (dBuV)	Det	AF T900 (dB/m)	Amp Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degr)	Height (cm)	Polarity
1	30.68	28.33	Pk	25.1	-31.3	22.13	40	-17.87	0-360	400	H
4	31.105	30.84	Pk	24.8	-31.3	24.34	40	-15.66	0-360	100	V
5	99.9975	42.74	Pk	14.1	-30.4	26.44	43.52	-17.08	0-360	100	V
2	100.125	41.16	Pk	14.1	-30.4	24.86	43.52	-18.66	0-360	98	H
3	150.955	36.89	Pk	16.5	-30	23.39	43.52	-20.13	0-360	98	H
6	183.2125	37.57	Pk	15.1	-29.7	22.97	43.52	-20.55	0-360	100	V
7	235.6	40.74	Pk	15.2	-29.4	26.54	46.02	-19.48	0-360	100	H
8	460.9	30.25	Pk	21	-28.1	23.15	46.02	-22.87	0-360	100	V

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

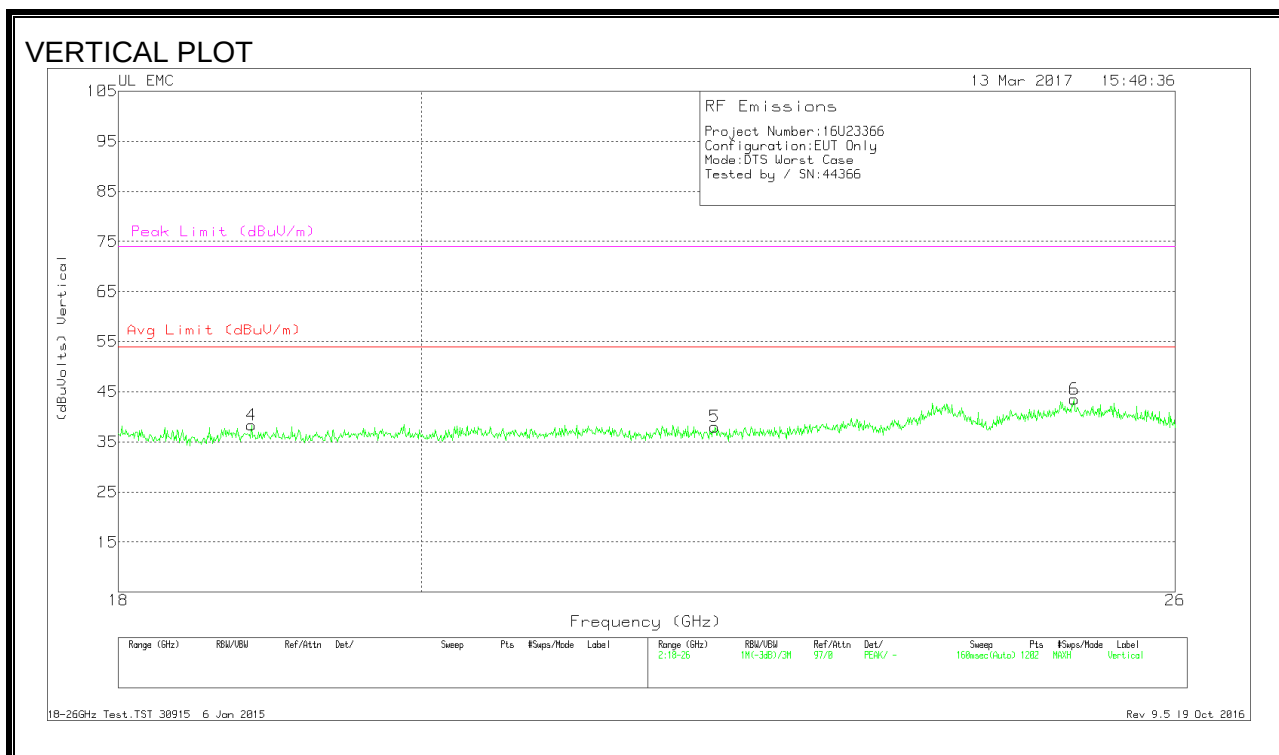
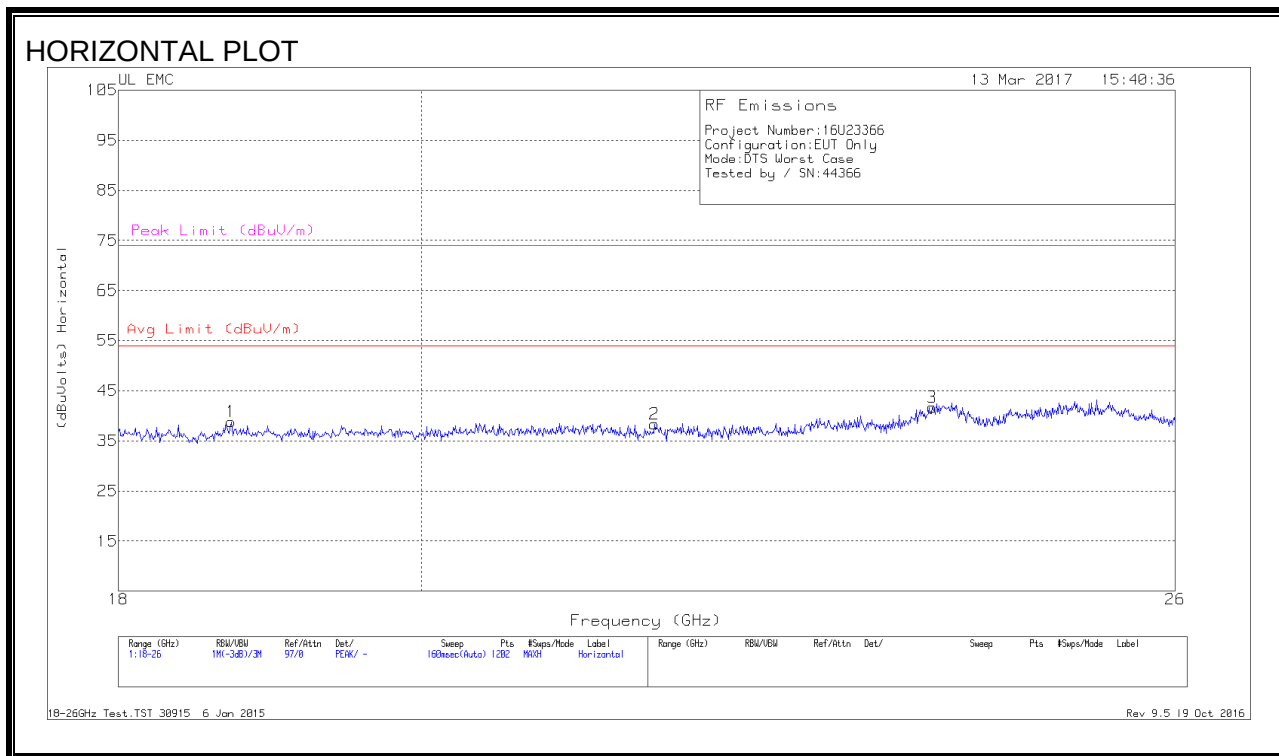
Pk - Peak detector

FCC Part 15 Subpart C 30-1000MHz.TST 30915 15 Jul 2014

Rev 9.5 26 Apr 2016

9.4. WORST-CASE 18 to 26 GHz

SPURIOUS EMISSIONS 18 TO 26 GHz (WORST-CASE CONFIGURATION, HORIZONTAL & VERTICAL)



DATA

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T449 (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	18.719	40.63	Pk	32.4	-24.7	-9.5	38.83	54	-15.17	74	-35.17
2	21.69	39.23	Pk	33.2	-24.6	-9.5	38.33	54	-15.67	74	-35.67
3	23.892	41.17	Pk	33.9	-23.9	-9.5	41.67	54	-12.33	74	-32.33
4	18.853	40.43	Pk	32.5	-25.1	-9.5	38.33	54	-15.67	74	-35.67
5	22.15	38.7	Pk	33.5	-24.7	-9.5	38	54	-16	74	-36
6	25.101	43.1	Pk	34.3	-24.4	-9.5	43.5	54	-10.5	74	-30.5

Pk - Peak detector

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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

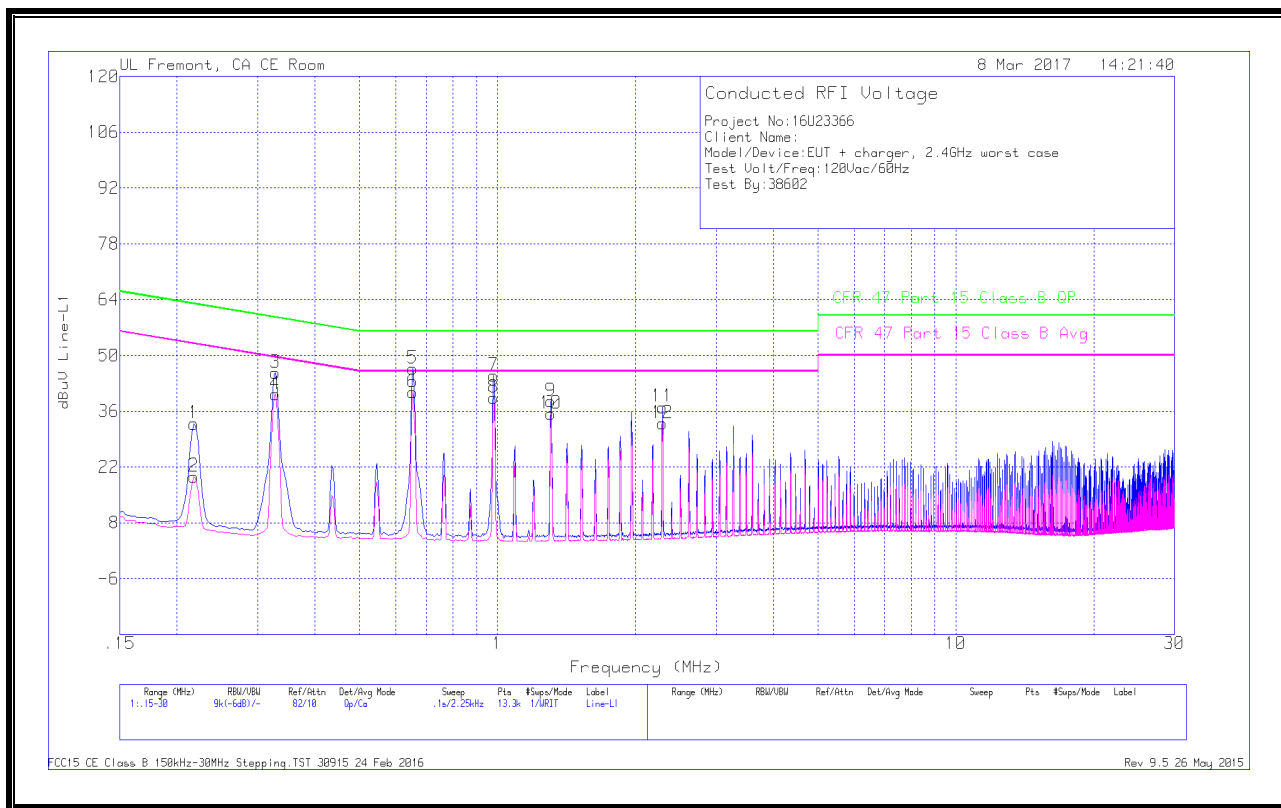
The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.10.

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.

10.1. EUT POWERED BY AC/DC ADAPTER VIA USB CABLE

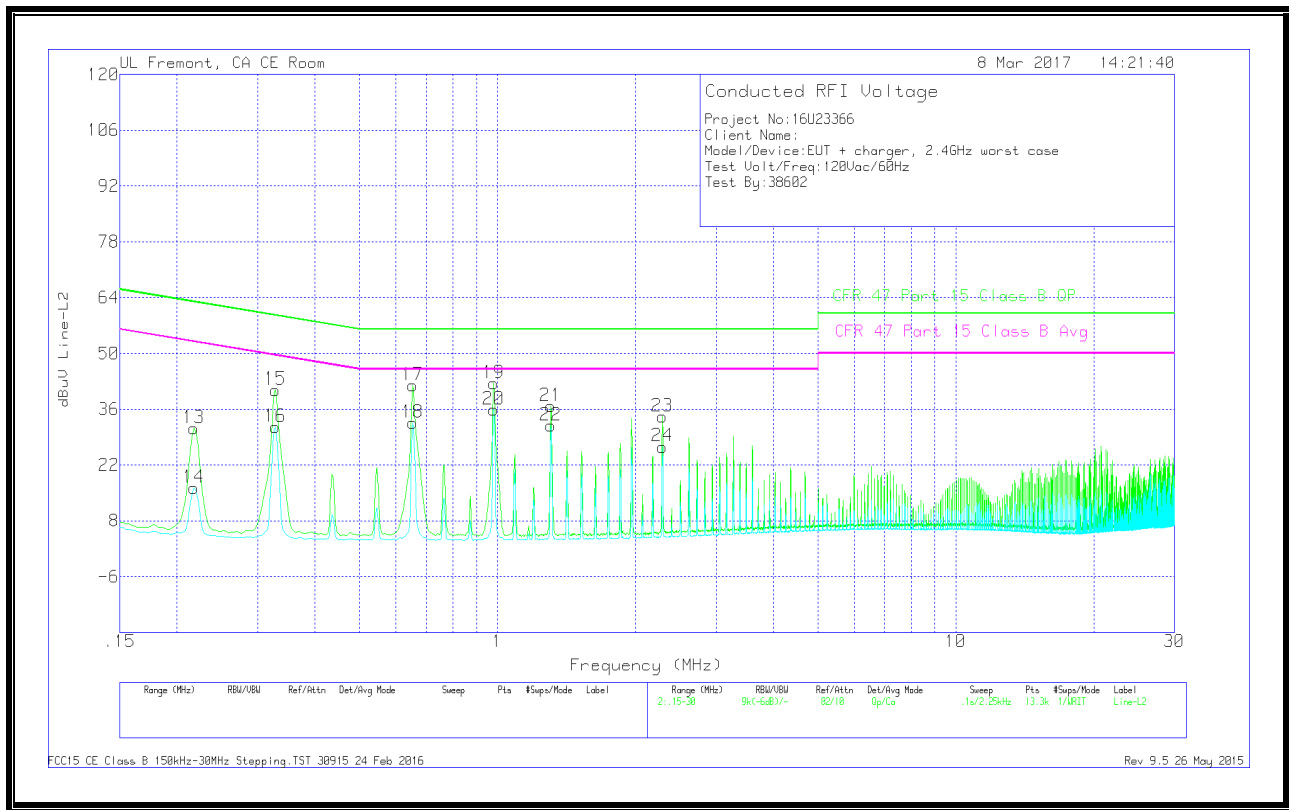
LINE 1 RESULTS



WORST EMISSIONS

Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBμV)	Det	LISN L1	LC Cables C1&C3	Limiter (dB)	Corrected Reading dBμV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
1	0.2175	22.78	Qp	0	0	10.1	32.88	62.91	-30.03	-	-
2	0.2175	9.56	Ca	0	0	10.1	19.66	-	-	52.91	-33.25
3	0.32775	35.53	Qp	0	.1	10.1	45.73	59.51	-13.78	-	-
4	0.32775	30.13	Ca	0	.1	10.1	40.33	-	-	49.51	-9.18
5	0.654	36.42	Qp	0	.1	10.1	46.62	56	-9.38	-	-
6	0.654	30.65	Ca	0	.1	10.1	40.85	-	-	46	-5.15
7	0.9825	34.8	Qp	0	.1	10.1	45	56	-11	-	-
8	0.9825	29.26	Ca	0	.1	10.1	39.46	-	-	46	-6.54
9	1.30875	28.27	Qp	0	.1	10.1	38.47	56	-17.53	-	-
10	1.30875	25.17	Ca	0	.1	10.1	35.37	-	-	46	-10.63
11	2.28975	26.85	Qp	0	.1	10.1	37.05	56	-18.95	-	-
12	2.28975	22.74	Ca	0	.1	10.1	32.94	-	-	46	-13.06

LINE 2 RESULTS

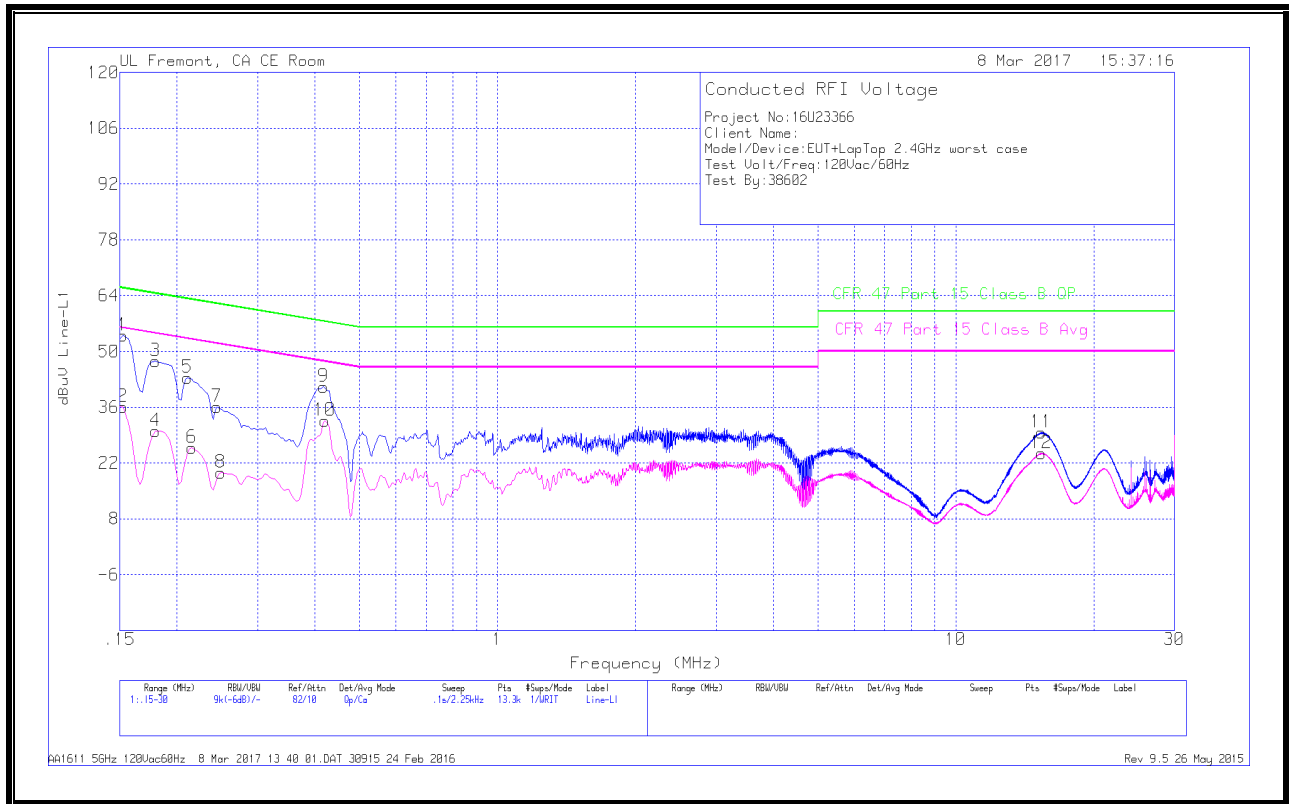


WORST EMISSIONS

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	0.2175	21.17	Qp	0	0	10.1	31.27	62.91	-31.64	-	-
14	0.2175	6.22	Ca	0	0	10.1	16.32	-	-	52.91	-36.59
15	0.32775	30.67	Qp	0	.1	10.1	40.87	59.51	-18.64	-	-
16	0.32775	21.3	Ca	0	.1	10.1	31.5	-	-	49.51	-18.01
17	0.654	31.81	Qp	0	.1	10.1	42.01	56	-13.99	-	-
18	0.654	22.39	Ca	0	.1	10.1	32.59	-	-	46	-13.41
19	0.9825	32.36	Qp	0	.1	10.1	42.56	56	-13.44	-	-
20	0.9825	25.65	Ca	0	.1	10.1	35.85	-	-	46	-10.15
21	1.30875	26.51	Qp	0	.1	10.1	36.71	56	-19.29	-	-
22	1.30875	21.67	Ca	0	.1	10.1	31.87	-	-	46	-14.13
23	2.28975	24.04	Qp	0	.1	10.1	34.24	56	-21.76	-	-
24	2.28975	16.42	Ca	0	.1	10.1	26.62	-	-	46	-19.38

10.2. EUT POWERED BY HOST PC VIA USB CABLE

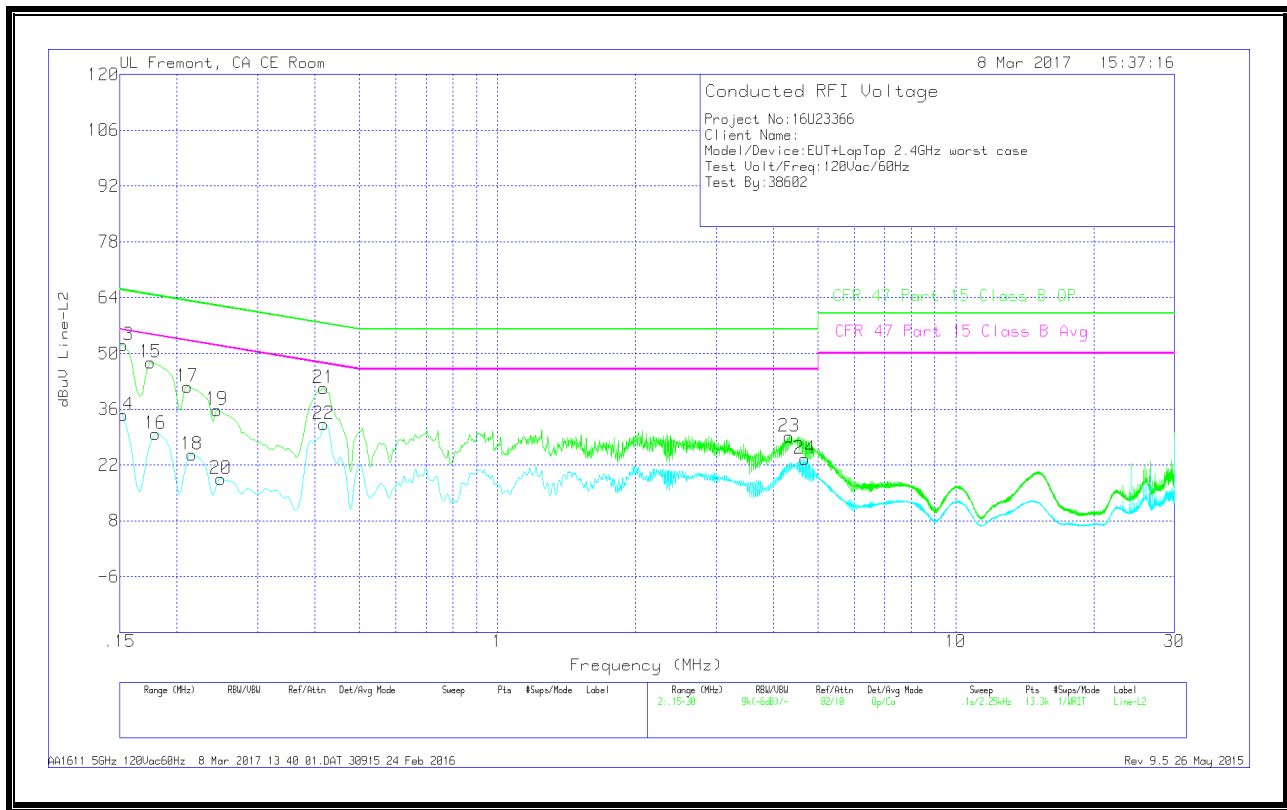
LINE 1 RESULTS



WORST EMISSIONS

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	0.15225	43.66	Qp	.1	.1	10.1	53.96	65.88	-11.92	-	-
2	0.15225	25.87	Ca	.1	.1	10.1	36.17	-	-	55.88	-19.71
3	0.17925	37.34	Qp	0	.1	10.1	47.54	64.52	-16.98	-	-
4	0.17925	19.83	Ca	0	.1	10.1	30.03	-	-	54.52	-24.49
5	0.21075	33.33	Qp	0	0	10.1	43.43	63.18	-19.75	-	-
6	0.21525	15.57	Ca	0	.1	10.1	25.77	-	-	53	-27.23
7	0.2445	25.82	Qp	0	.1	10.1	36.02	61.94	-25.92	-	-
8	0.249	9.42	Ca	0	.1	10.1	19.62	-	-	51.79	-32.17
9	0.41775	30.98	Qp	0	.1	10.1	41.18	57.49	-16.31	-	-
10	0.42	22.39	Ca	0	.1	10.1	32.59	-	-	47.45	-14.86
11	15.351	19.28	Qp	0	.2	10.2	29.68	60	-30.32	-	-
12	15.387	14.12	Ca	0	.2	10.2	24.52	-	-	50	-25.48

LINE 2 RESULTS



WORST EMISSIONS

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	0.15225	41.96	Qp	0	0	10.1	52.06	65.88	-13.82	-	-
14	0.15225	24.4	Ca	0	0	10.1	34.5	-	-	55.88	-21.38
15	0.17475	37.5	Qp	0	.1	10.1	47.7	64.73	-17.03	-	-
16	0.17925	19.62	Ca	0	.1	10.1	29.82	-	-	54.52	-24.7
17	0.21075	31.57	Qp	0	0	10.1	41.67	63.18	-21.51	-	-
18	0.21525	14.43	Ca	0	.1	10.1	24.63	-	-	53	-28.37
19	0.2445	25.63	Qp	0	.1	10.1	35.83	61.94	-26.11	-	-
20	0.249	8.41	Ca	0	.1	10.1	18.61	-	-	51.79	-33.18
21	0.41775	31.03	Qp	0	.1	10.1	41.23	57.49	-16.26	-	-
22	0.41775	22.12	Ca	0	.1	10.1	32.32	-	-	47.49	-15.17
23	4.335	19.01	Qp	0	.1	10.1	29.21	56	-26.79	-	-
24	4.68825	13.37	Ca	0	.1	10.1	23.57	-	-	46	-22.43