

DATA

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (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
4	* 2.887	38.38	PK2	32.7	-19.3	51.78	-	-	74	-22.22	173	224	V
	* 2.887	26.37	MAv1	32.7	-19.3	39.77	54	-14.23	-	-	173	224	V
2	* 5.044	41.56	PK2	35	-29.7	46.86	-	-	74	-27.14	288	319	H
	* 5.044	29.57	MAv1	35	-29.7	34.87	54	-19.13	-	-	288	319	H
3	* 11.657	36.6	PK2	39.6	-22.4	53.8	-	-	74	-20.2	51	315	H
	* 11.656	25.19	MAv1	39.6	-22.4	42.39	54	-11.61	-	-	51	315	H
5	* 4.139	41.14	PK2	33.8	-30.6	44.34	-	-	74	-29.66	299	183	V
	* 4.139	29.81	MAv1	33.8	-30.6	33.01	54	-20.99	-	-	299	183	V
6	* 11.696	36.47	PK2	39.8	-22.4	53.87	-	-	74	-20.13	249	236	V
	* 11.697	24.83	MAv1	39.8	-22.4	42.23	54	-11.77	-	-	249	236	V
1	1.978	37.86	PK2	32.5	-20	50.36	-	-	-	-	231	127	H

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

PK2 - KDB558074 Method: Maximum Peak

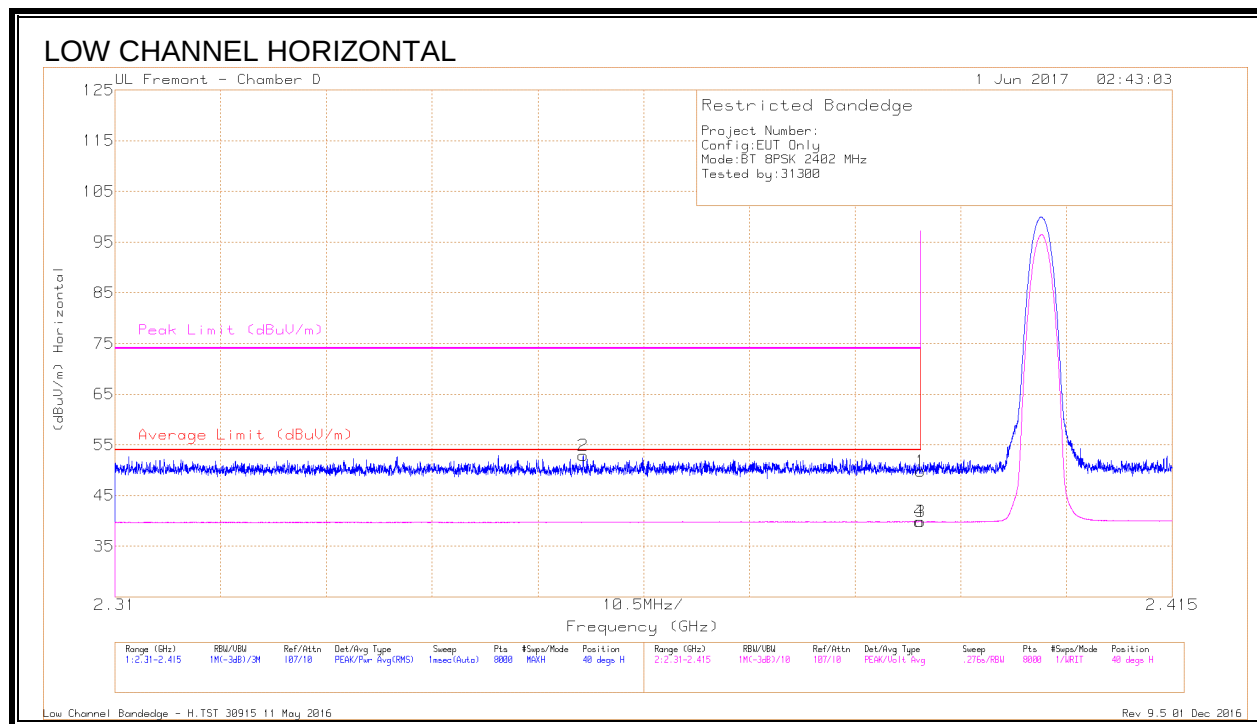
MAv1 - KDB558074 Option 1 Maximum RMS Average

FCC Part15C 2.4GHz RSE.TST 30915 29 Dec 2015

Rev 9.5 01 Dec 2016

9.5. UAT 1, LOW POWER ENHANCED DATA RATE 8PSK MODULATION

9.5.1. RESTRICTED BANDEDGE (LOW CHANNEL)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (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
2	* 2.356	41.75	Pk	32.1	-20.9	52.95	-	-	74	-21.05	40	126	H
1	* 2.39	38.35	Pk	32.1	-20.7	49.75	-	-	74	-24.25	40	126	H
3	* 2.39	28.43	VA1T	32.1	-20.7	39.83	54	-14.17	-	-	40	126	H
4	* 2.39	28.45	VA1T	32.1	-20.7	39.85	54	-14.15	-	-	40	126	H

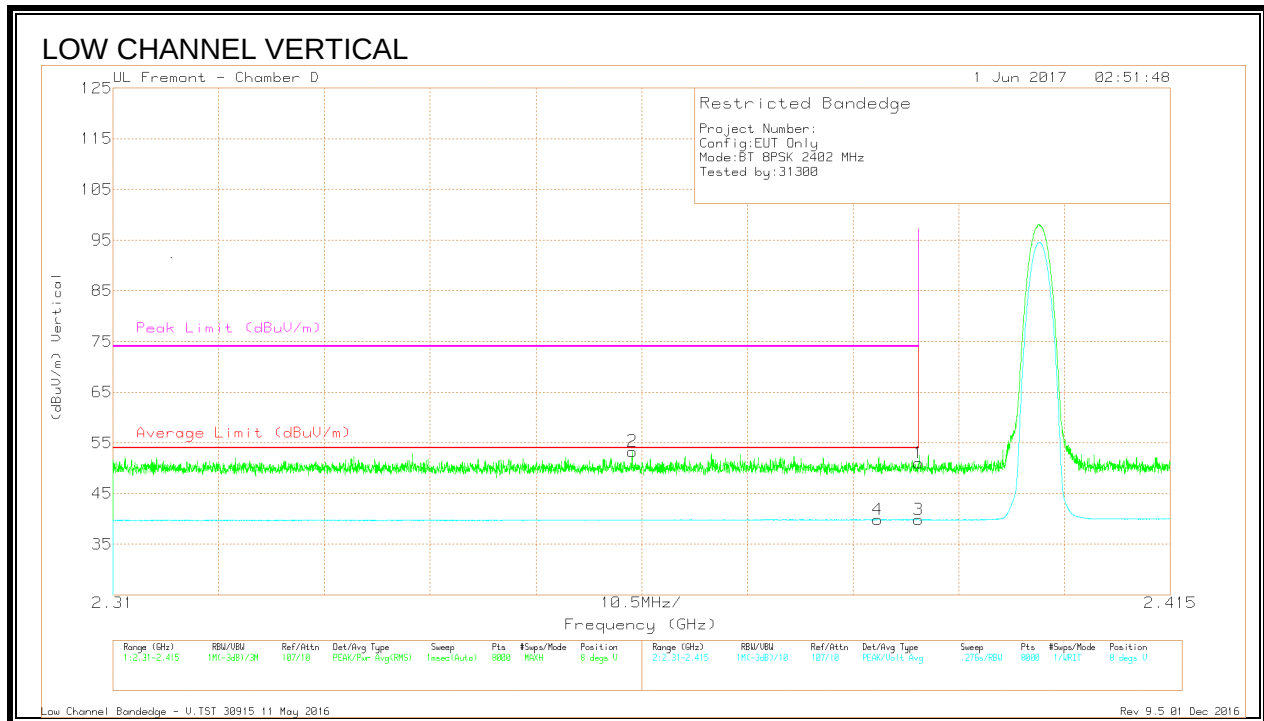
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

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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	* 2.362	42.03	Pk	32.1	-20.8	53.33	-	-	74	-20.67	8	386	V
4	* 2.386	28.57	VA1T	32.1	-20.8	39.87	54	-14.13	-	-	8	385	V
1	* 2.39	39.66	Pk	32.1	-20.7	51.06	-	-	74	-22.94	8	386	V
3	* 2.39	28.44	VA1T	32.1	-20.7	39.84	54	-14.16	-	-	8	385	V

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

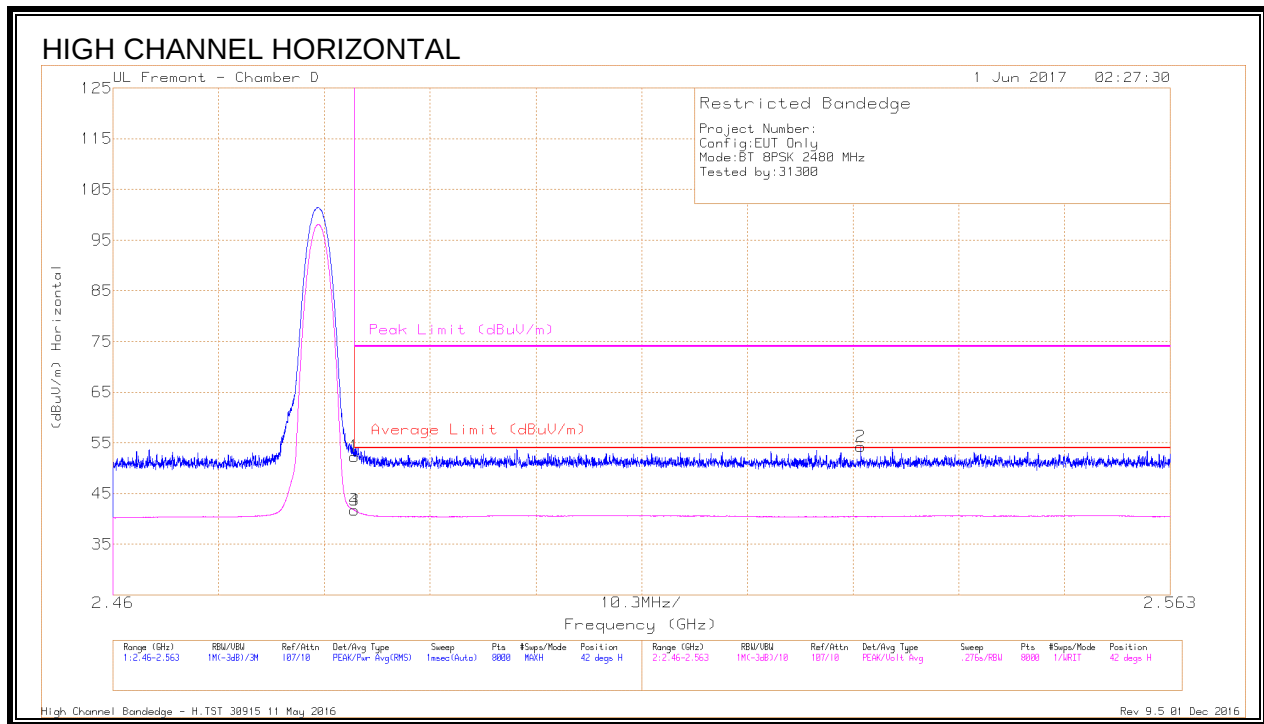
Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

Low Channel Bandedge - V.TST 30915 11 May 2016

Rev 9.5 01 Dec 2016

9.5.2. AUTHORIZED BANDEDGE (HIGH CHANNEL)



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	40.64	Pk	32.5	-20.8	52.34	-	-	74	-21.66	42	125	H
3	* 2.484	29.99	VA1T	32.5	-20.8	41.69	54	-12.31	-	-	42	125	H
4	* 2.484	29.99	VA1T	32.5	-20.8	41.69	54	-12.31	-	-	42	125	H
2	2.533	42.42	Pk	32.6	-20.7	54.32	-	-	74	-19.68	42	125	H

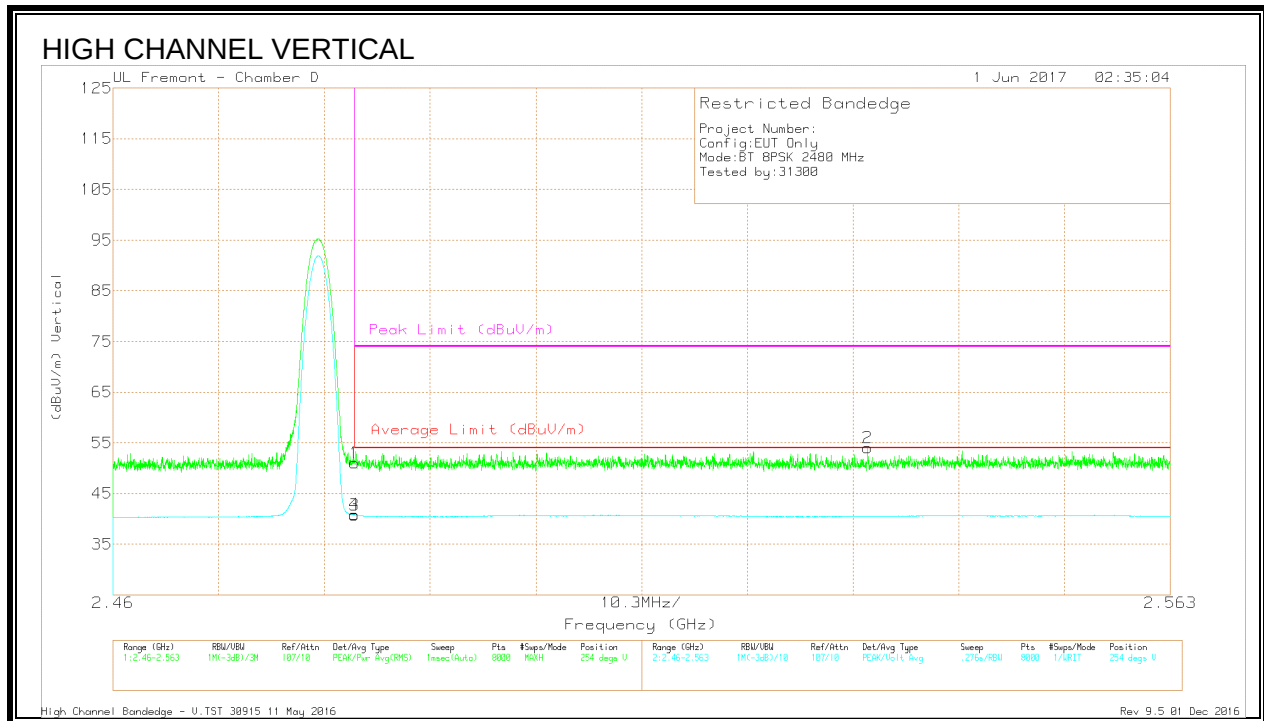
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

High Channel Bandedge - H.TST 30915 11 May 2016

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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	39.34	Pk	32.5	-20.8	51.04	-	-	74	-22.96	254	312	V
3	* 2.484	29.08	VA1T	32.5	-20.8	40.78	54	-13.22	-	-	254	312	V
4	* 2.484	29.11	VA1T	32.5	-20.8	40.81	54	-13.19	-	-	254	312	V
2	2.534	42.12	Pk	32.6	-20.7	54.02	-	-	74	-19.98	254	312	V

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

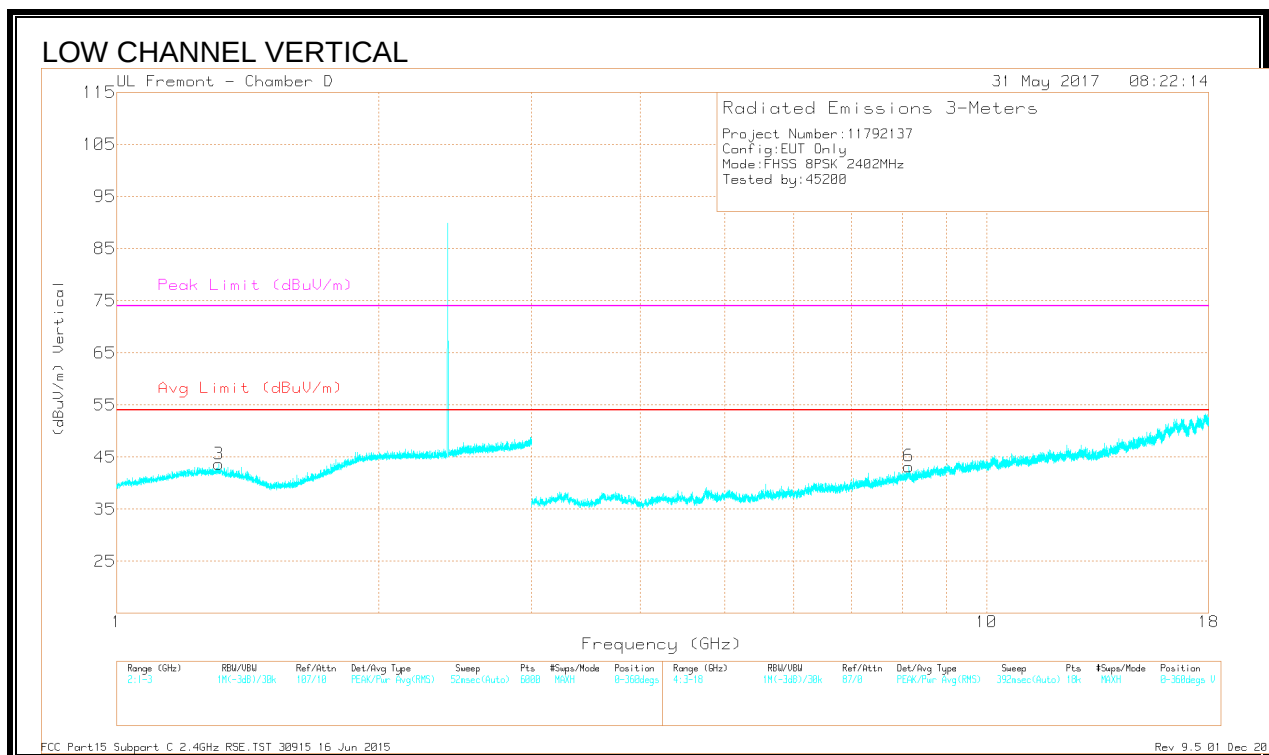
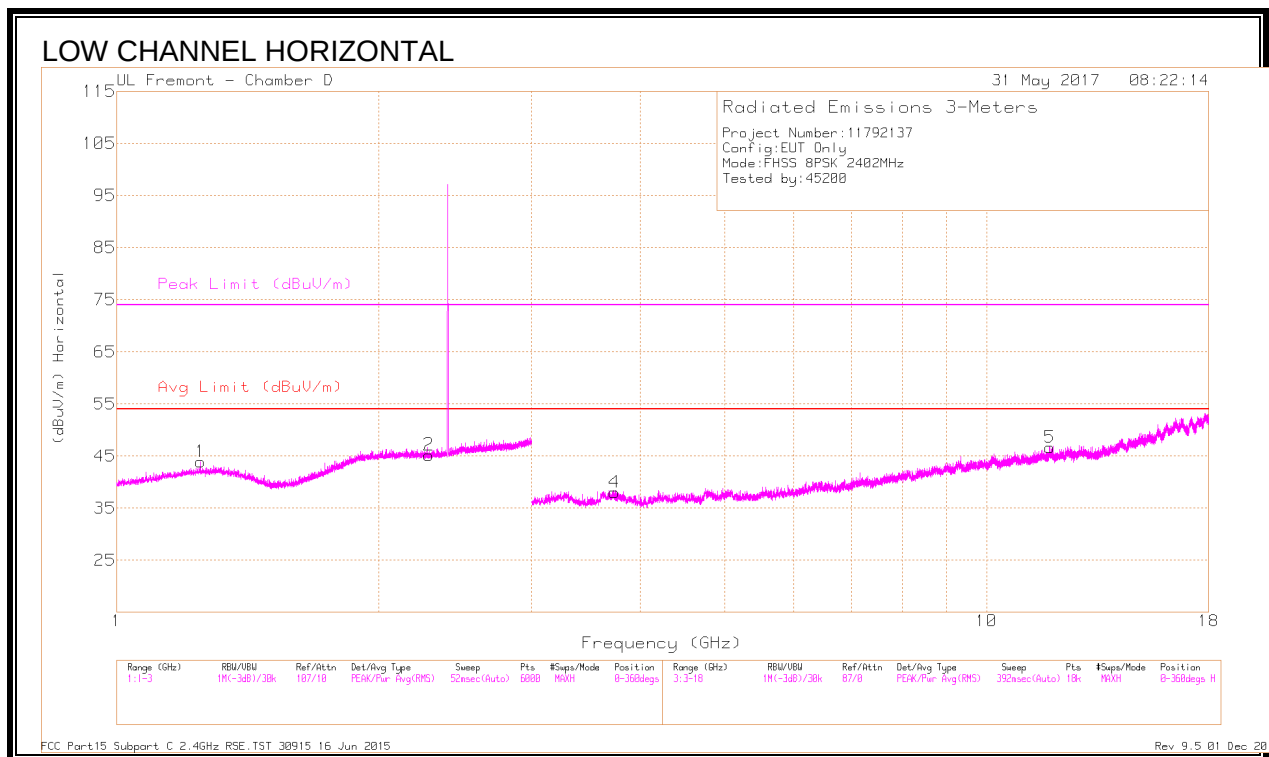
Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

High Channel Bandedge - V.TST 30915 11 May 2016

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9.5.3. HARMONICS AND SPURIOUS EMISSIONS



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (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	* 1.249	40.62	PKFH	30.2	-22.2	48.62	-	-	74	-25.38	68	169	H
	* 1.25	28.92	VA1T	30.2	-22.2	36.92	54	-17.08	-	-	68	169	H
2	* 2.284	40.81	PKFH	32.1	-21	51.91	-	-	74	-22.09	303	348	H
	* 2.284	28.59	VA1T	32.1	-21	39.69	54	-14.31	-	-	303	348	H
3	* 1.311	40.78	PKFH	30.2	-22.2	48.78	-	-	74	-25.22	162	400	V
	* 1.311	28.94	VA1T	30.2	-22.2	36.94	54	-17.06	-	-	162	400	V
4	* 3.736	37.53	PKFH	33.8	-28.6	42.73	-	-	74	-31.27	190	221	H
	* 3.738	25.73	VA1T	33.8	-28.6	30.93	54	-23.07	-	-	190	221	H
5	* 11.824	33.6	PKFH	39.3	-20.6	52.3	-	-	74	-21.7	208	122	H
	* 11.823	21.59	VA1T	39.3	-20.6	40.29	54	-13.71	-	-	208	122	H
6	* 8.141	34.72	PKFH	37	-23	48.72	-	-	74	-25.28	227	140	V
	* 8.141	22.41	VA1T	37	-23	36.41	54	-17.59	-	-	227	140	V

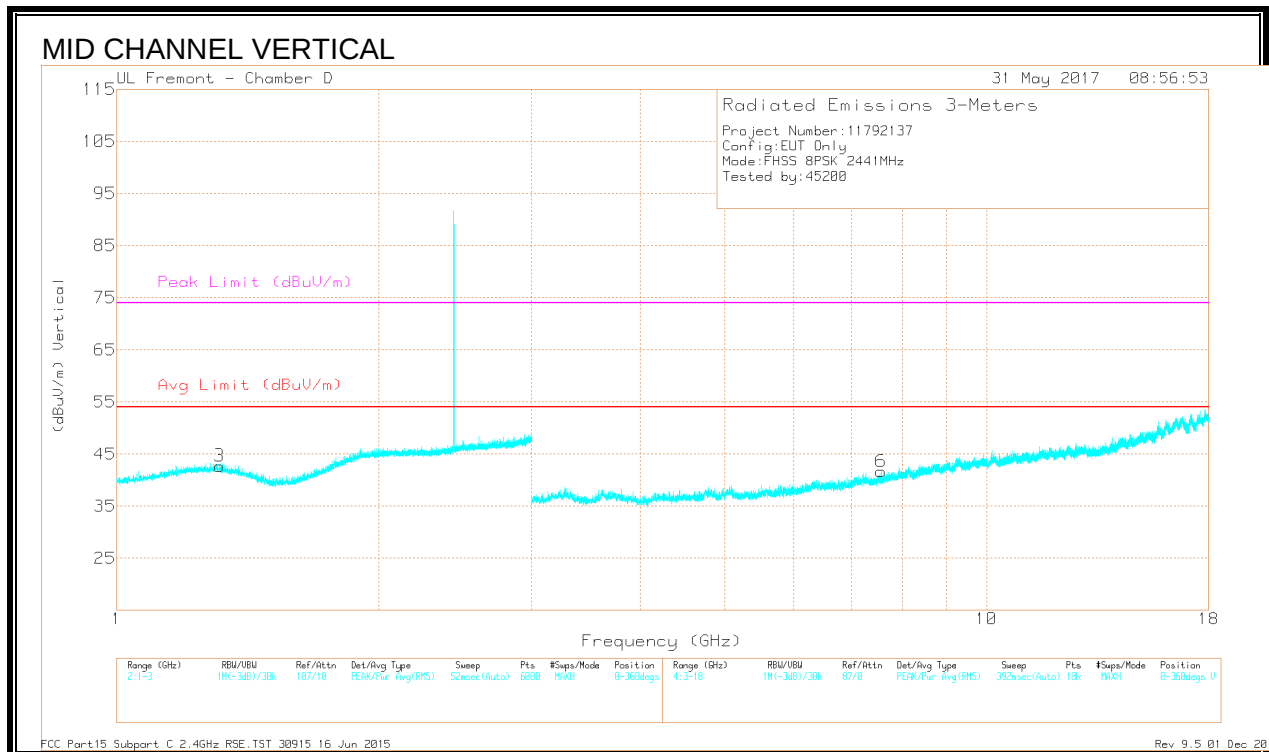
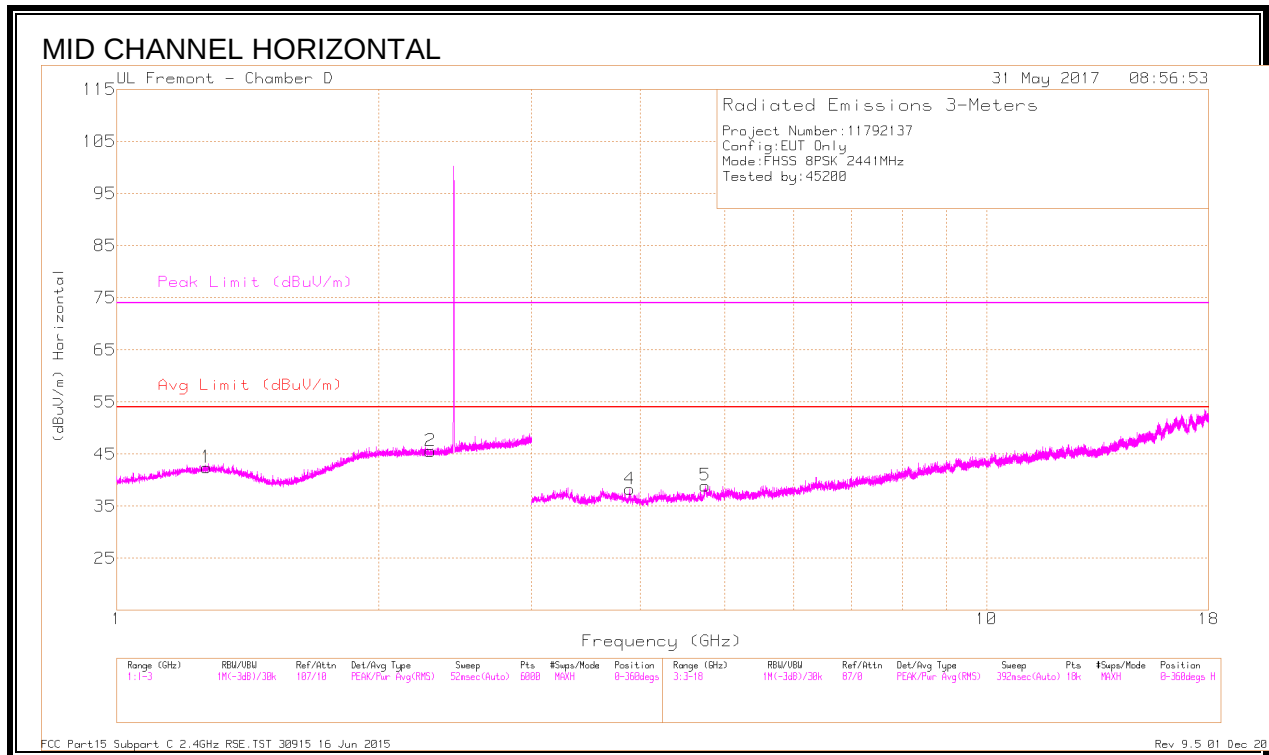
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

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DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (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	* 1.271	40.86	PKFH	30.3	-22.3	48.86	-	-	74	-25.14	16	232	H
	* 1.27	28.84	VA1T	30.3	-22.3	36.84	54	-17.16	-	-	16	232	H
2	* 2.294	40.38	PKFH	32.1	-21	51.48	-	-	74	-22.52	7	196	H
	* 2.297	28.54	VA1T	32.1	-21	39.64	54	-14.36	-	-	7	196	H
3	* 1.314	40.85	PKFH	30.2	-22.2	48.85	-	-	74	-25.15	302	259	V
	* 1.313	28.86	VA1T	30.2	-22.2	36.86	54	-17.14	-	-	302	259	V
4	* 3.888	38.34	PKFH	33.8	-28.2	43.94	-	-	74	-30.06	345	179	H
	* 3.888	25.98	VA1T	33.8	-28.2	31.58	54	-22.42	-	-	345	179	H
5	* 4.748	36.83	PKFH	34.2	-26.5	44.53	-	-	74	-29.47	242	119	H
	* 4.748	25.39	VA1T	34.2	-26.5	33.09	54	-20.91	-	-	242	119	H
6	* 7.567	35.78	PKFH	36.6	-24.8	47.58	-	-	74	-26.42	293	258	V
	* 7.564	22.85	VA1T	36.6	-24.8	34.65	54	-19.35	-	-	293	258	V

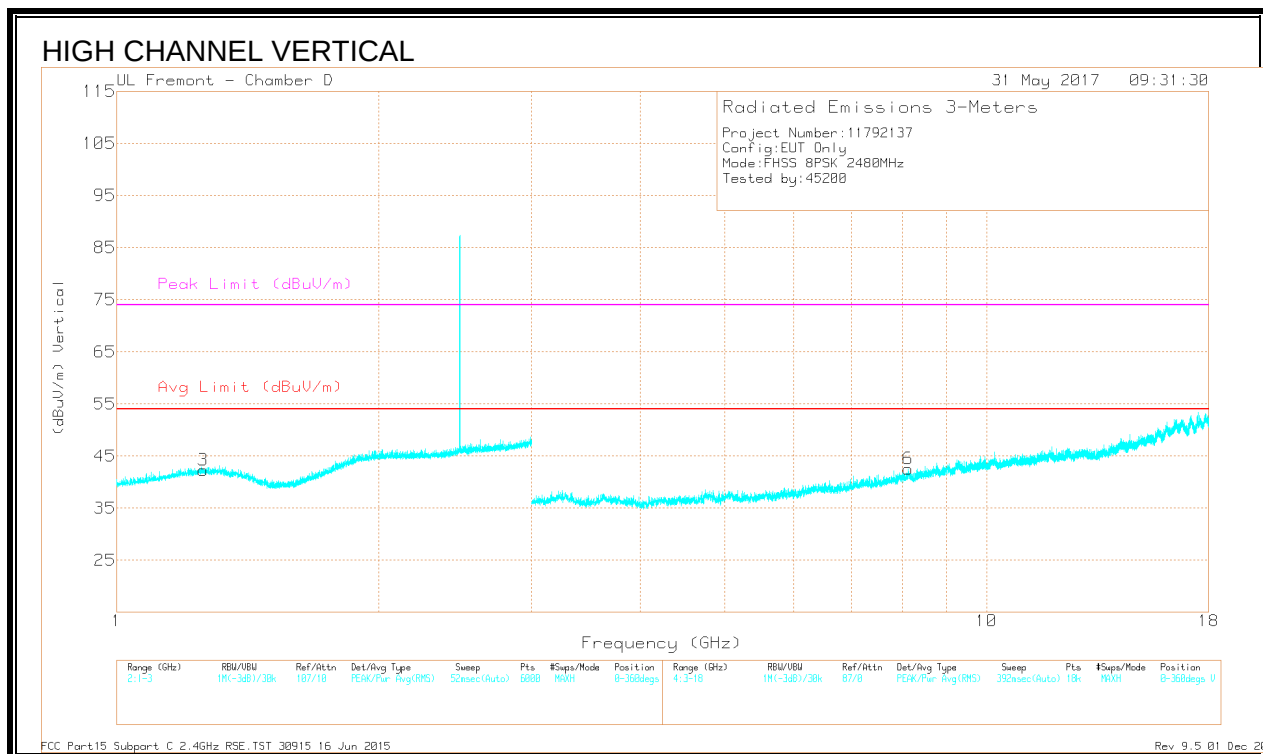
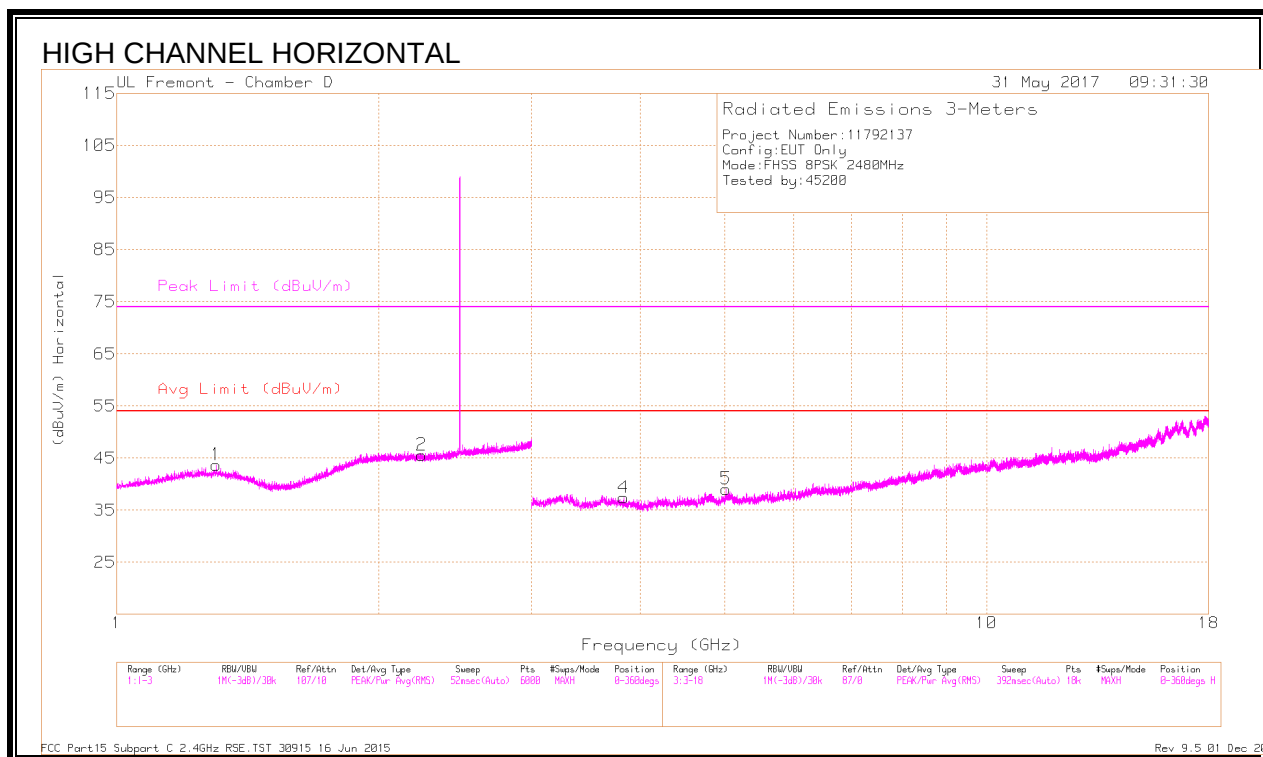
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

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DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (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	* 1.3	40.3	PKFH	30.3	-22.2	48.4	-	-	74	-25.6	179	167	H
	* 1.301	28.81	VA1T	30.3	-22.2	36.91	54	-17.09	-	-	179	167	H
2	* 2.243	40.32	PKFH	32.1	-20.9	51.52	-	-	74	-22.48	333	267	H
	* 2.241	28.56	VA1T	32.1	-20.9	39.76	54	-14.24	-	-	333	267	H
3	* 1.259	41.72	PKFH	30.2	-22.3	49.62	-	-	74	-24.38	241	378	V
	* 1.257	28.86	VA1T	30.2	-22.3	36.76	54	-17.24	-	-	241	378	V
4	* 3.829	38.55	PKFH	33.8	-28.5	43.85	-	-	74	-30.15	309	201	H
	* 3.829	26.09	VA1T	33.8	-28.5	31.39	54	-22.61	-	-	309	201	H
5	* 5.018	36.45	PKFH	34.3	-26.7	44.05	-	-	74	-29.95	334	302	H
	* 5.02	24.51	VA1T	34.3	-26.6	32.21	54	-21.79	-	-	334	302	H
6	* 8.127	33.66	PKFH	37	-22.9	47.76	-	-	74	-26.24	315	173	V
	* 8.127	22.12	VA1T	37	-22.9	36.22	54	-17.78	-	-	315	173	V

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

PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

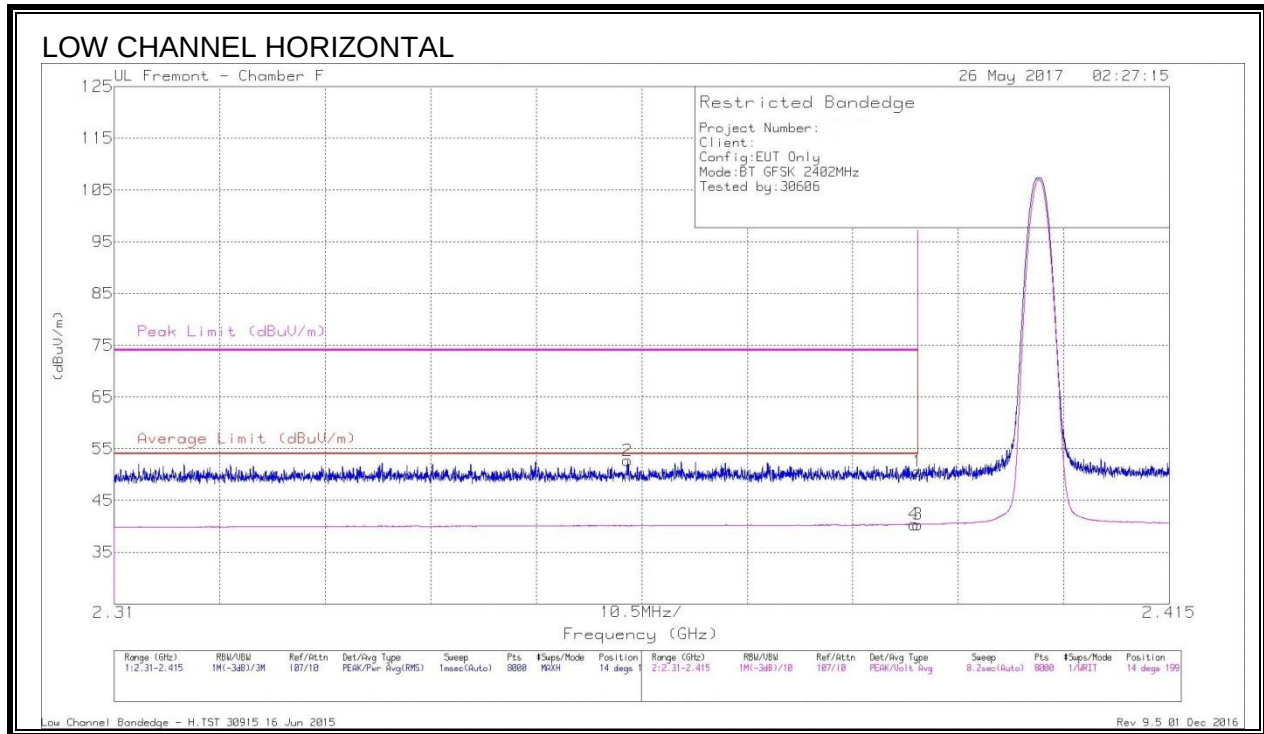
VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

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

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9.6. LAT 3, HIGH POWER BASIC DATA RATE GFSK MODULATION

9.6.1. RESTRICTED BANDEDGE (LOW CHANNEL)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	39.74	Pk	31.9	-21	50.64	-	-	74	-23.36	14	199	H
2	* 2.361	41.9	Pk	31.8	-21	52.7	-	-	74	-21.3	14	199	H
3	* 2.39	29.45	VA1T	31.9	-21	40.35	54	-13.65	-	-	14	199	H
4	* 2.39	29.48	VA1T	31.9	-21	40.38	54	-13.62	-	-	14	199	H

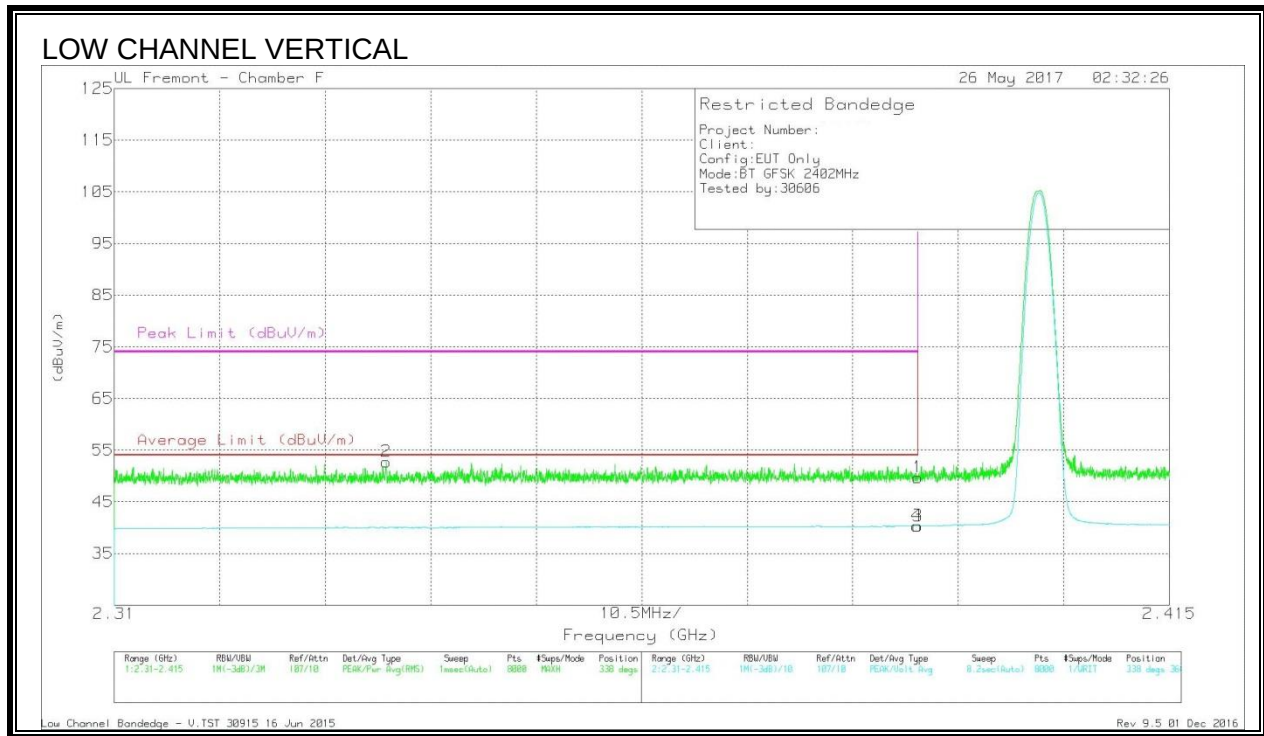
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

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Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT119 (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	38.83	Pk	31.9	-21	49.73	-	-	74	-24.27	338	366	V
2	* 2.337	42.07	Pk	31.7	-21	52.77	-	-	74	-21.23	338	366	V
3	* 2.39	29.44	VA1T	31.9	-21	40.34	54	-13.64	-	-	338	366	V
4	* 2.39	29.45	VA1T	31.9	-21	40.35	54	-13.65	-	-	338	366	V

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

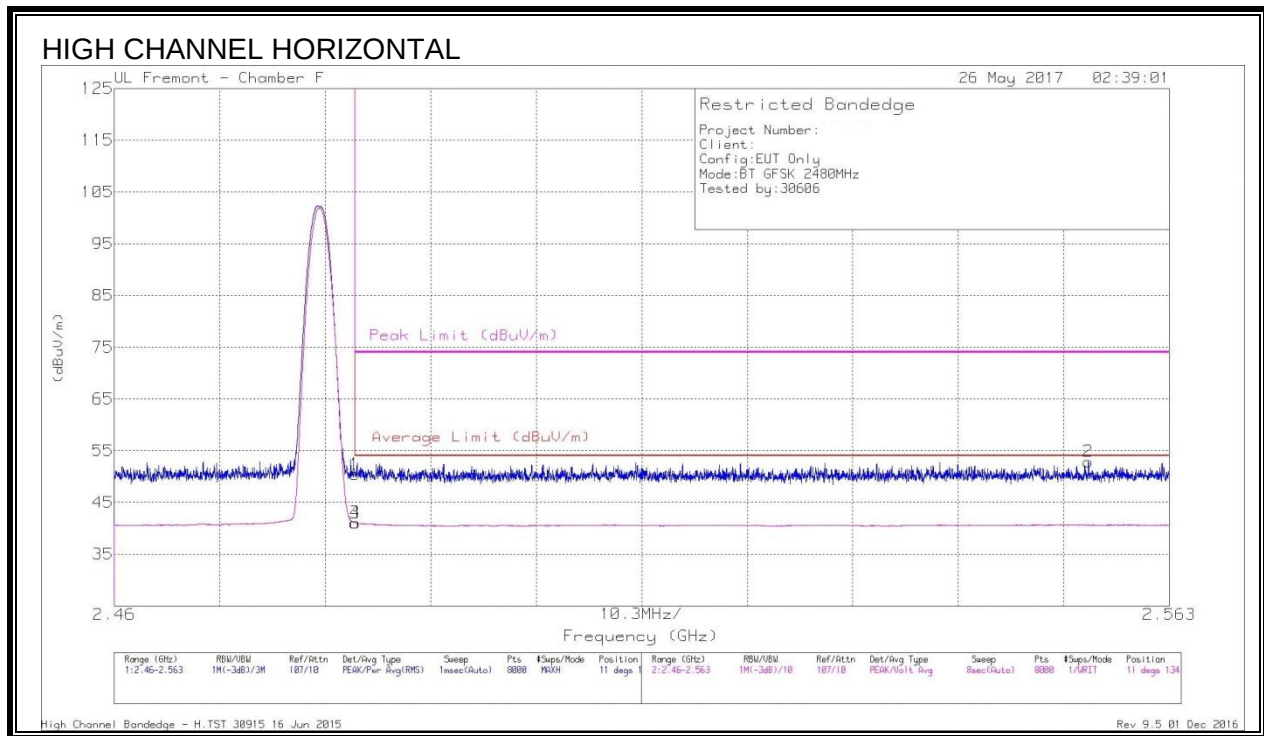
Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

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9.6.2. AUTHORIZED BANDEDGE (HIGH CHANNEL)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	39.38	Pk	32.1	-21	50.48	-	-	74	-23.52	11	134	H
2	2.555	41.59	Pk	32.2	-20.9	52.89	-	-	74	-21.11	11	134	H
3	* 2.484	29.97	VA1T	32.1	-21	41.07	54	-12.93	-	-	11	134	H
4	* 2.484	29.97	VA1T	32.1	-21	41.07	54	-12.93	-	-	11	134	H

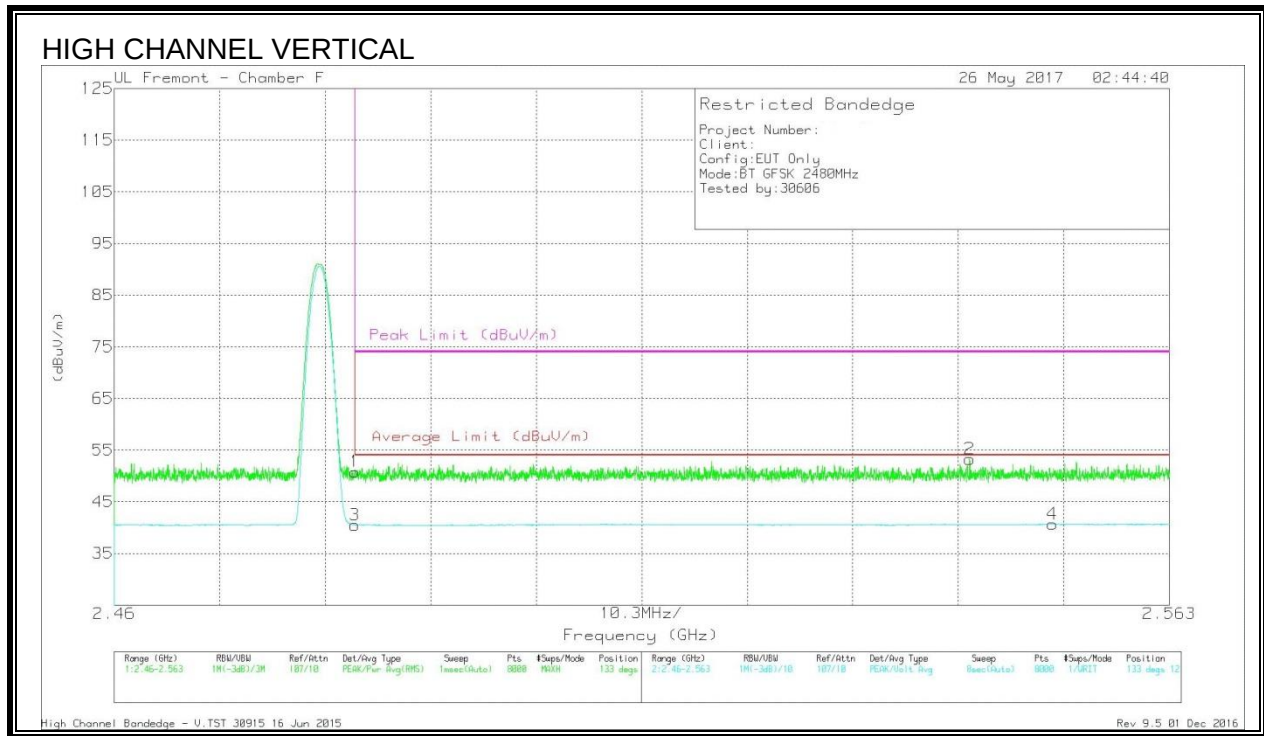
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

High Channel Bandedge - H.TST 30915 16 Jun 2015

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Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT119 (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	39.72	Pk	32.1	-21	50.82	-	-	74	-23.18	133	121	V
2	2.544	42.07	Pk	32.2	-21	53.27	-	-	74	-20.73	133	121	V
3	* 2.484	29.4	VA1T	32.1	-21	40.5	54	-13.5	-	-	133	121	V
4	2.552	29.39	VA1T	32.2	-20.9	40.69	54	-13.31	-	-	133	121	V

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

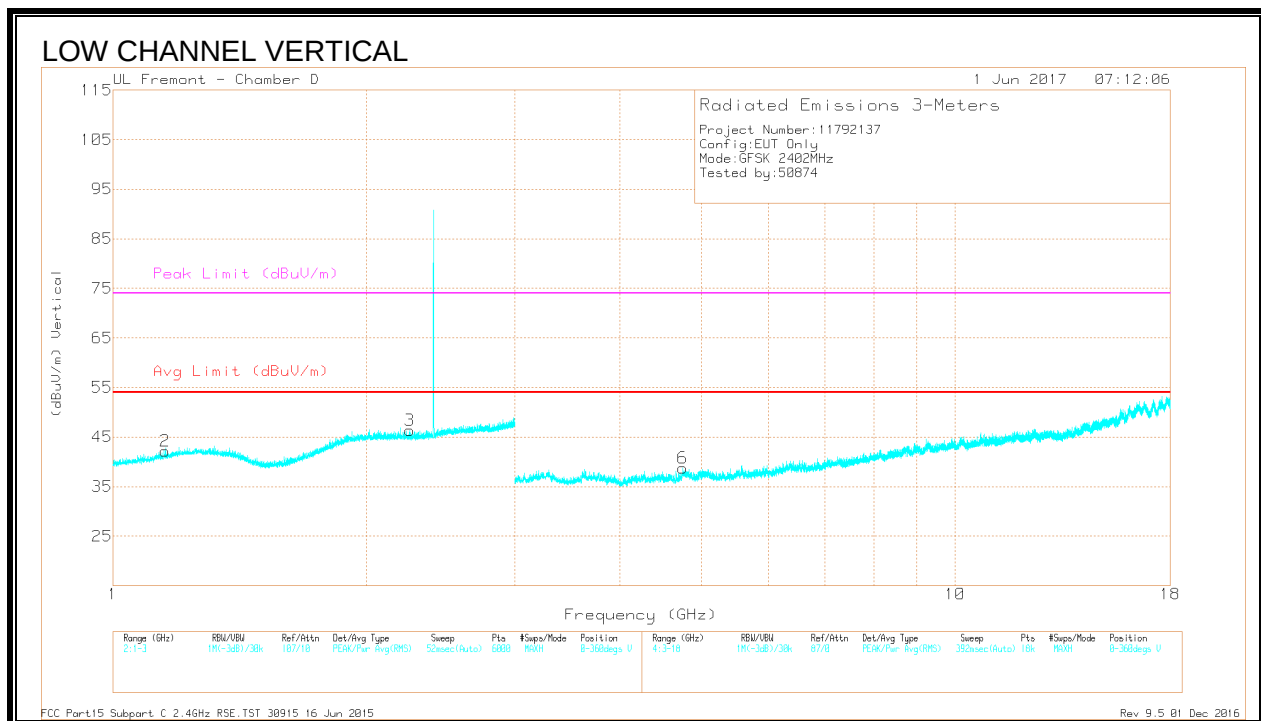
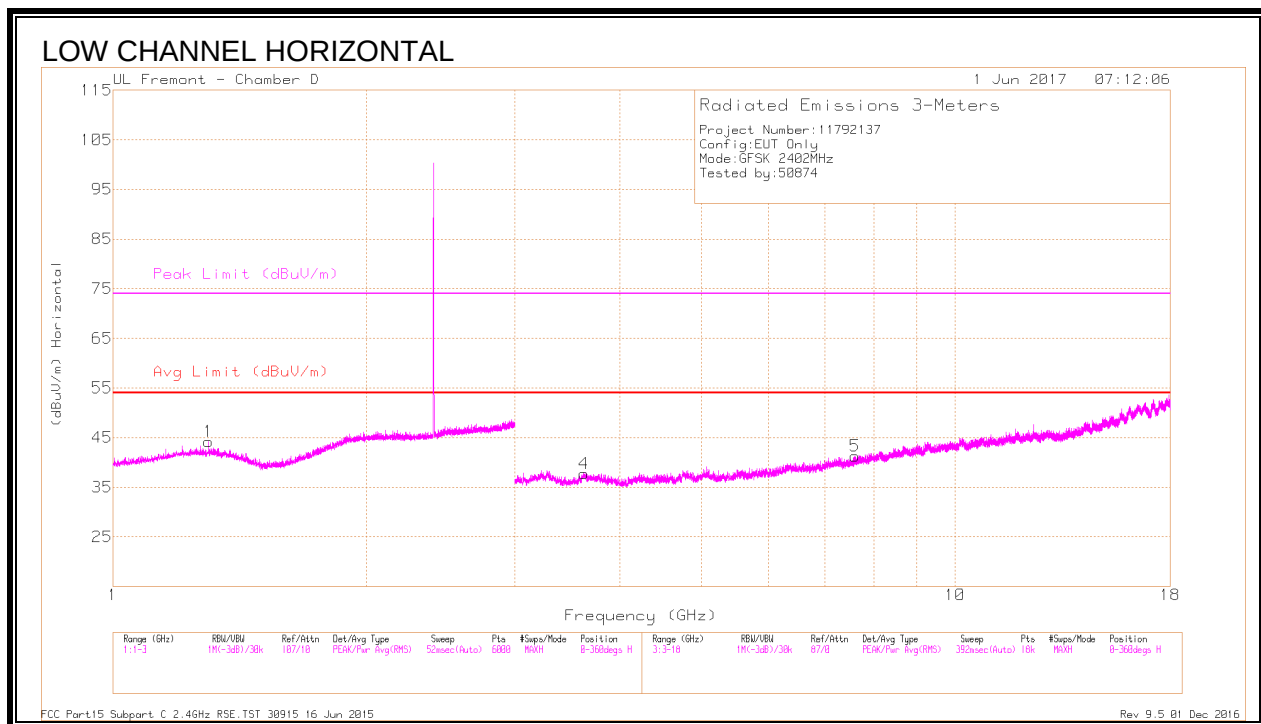
Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

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9.6.3. HARMONICS AND SPURIOUS EMISSIONS



DATA

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T120 (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	* 1.297	40.11	PKFH	30.3	-22.2	48.21	-	-	74	-25.79	301	148	H
	* 1.298	28.81	VA1T	30.3	-22.2	36.91	54	-17.09	-	-	301	148	H
2	* 1.153	41.08	PKFH	29.6	-22.4	48.28	-	-	74	-25.72	240	129	V
	* 1.152	28.83	VA1T	29.6	-22.4	36.03	54	-17.97	-	-	240	129	V
3	* 2.249	40.66	PKFH	32.1	-21	51.76	-	-	74	-22.24	346	297	V
	* 2.252	28.56	VA1T	32.1	-21	39.66	54	-14.34	-	-	346	297	V
4	* 3.626	37.92	PKFH	34	-28.6	43.32	-	-	74	-30.68	351	330	H
	* 3.628	25.85	VA1T	34	-28.6	31.25	54	-22.75	-	-	351	330	H
5	* 7.609	35.27	PKFH	36.7	-24.8	47.17	-	-	74	-26.83	115	267	H
	* 7.607	23.13	VA1T	36.7	-24.9	34.93	54	-19.07	-	-	115	267	H
6	* 4.746	36.92	PKFH	34.2	-26.5	44.62	-	-	74	-29.38	82	287	V
	* 4.744	25.34	VA1T	34.2	-26.6	32.94	54	-21.06	-	-	82	287	V

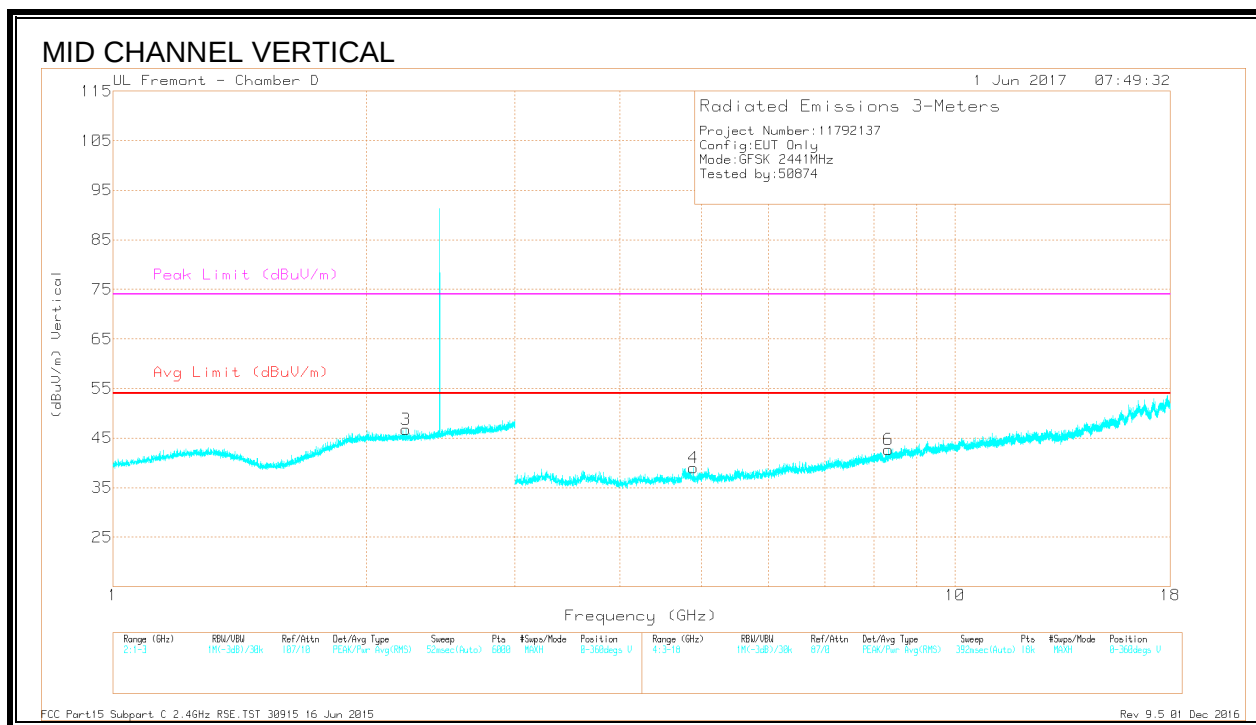
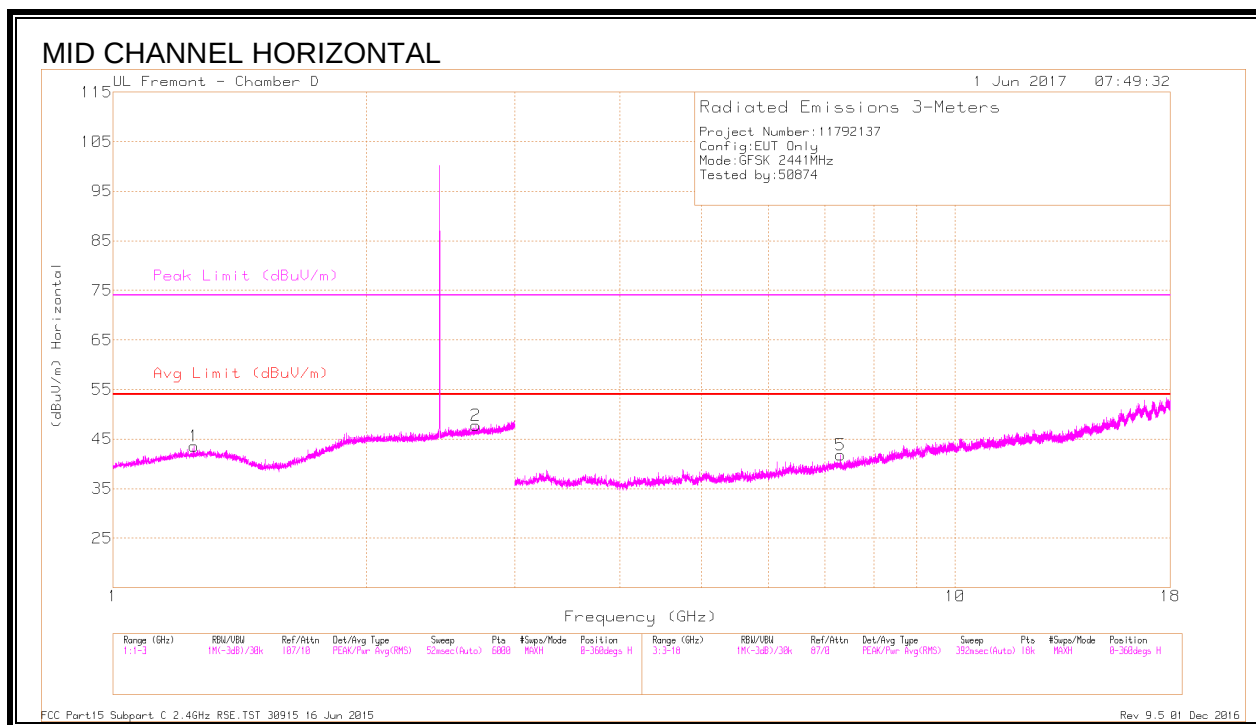
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

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DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (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
1	* 1.249	40.67	PKFH	30.2	-22.2	48.67	-	-	74	-25.33	260	268	H
	* 1.247	28.87	VA1T	30.2	-22.3	36.77	54	-17.23	-	-	260	268	H
2	* 2.697	40.19	PKFH	32.9	-20.5	52.59	-	-	74	-21.41	223	283	H
	* 2.699	28.62	VA1T	32.9	-20.5	41.02	54	-12.98	-	-	223	283	H
3	* 2.23	41.06	PKFH	32.2	-21	52.26	-	-	74	-21.74	214	375	V
	* 2.229	28.55	VA1T	32.2	-21	39.75	54	-14.25	-	-	214	375	V
5	* 7.305	34.86	PKFH	36.4	-24.8	46.46	-	-	74	-27.54	80	214	H
	* 7.305	23.49	VA1T	36.4	-24.8	35.09	54	-18.91	-	-	80	214	H
4	* 4.884	36.58	PKFH	34.1	-28.1	42.58	-	-	74	-31.42	185	283	V
	* 4.884	25.02	VA1T	34.1	-28.1	31.02	54	-22.98	-	-	185	283	V
6	* 8.335	34.51	PKFH	37.1	-23.5	48.11	-	-	74	-25.89	198	118	V
	* 8.331	22.38	VA1T	37.1	-23.6	35.88	54	-18.12	-	-	198	118	V

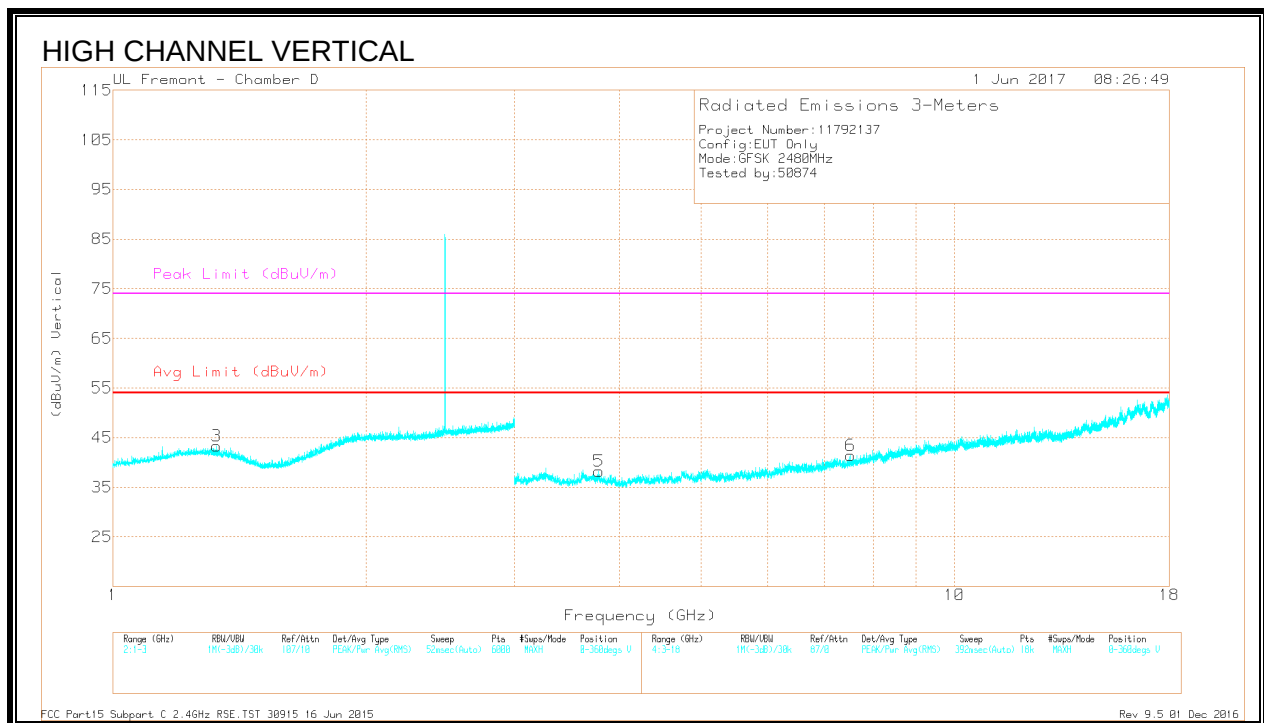
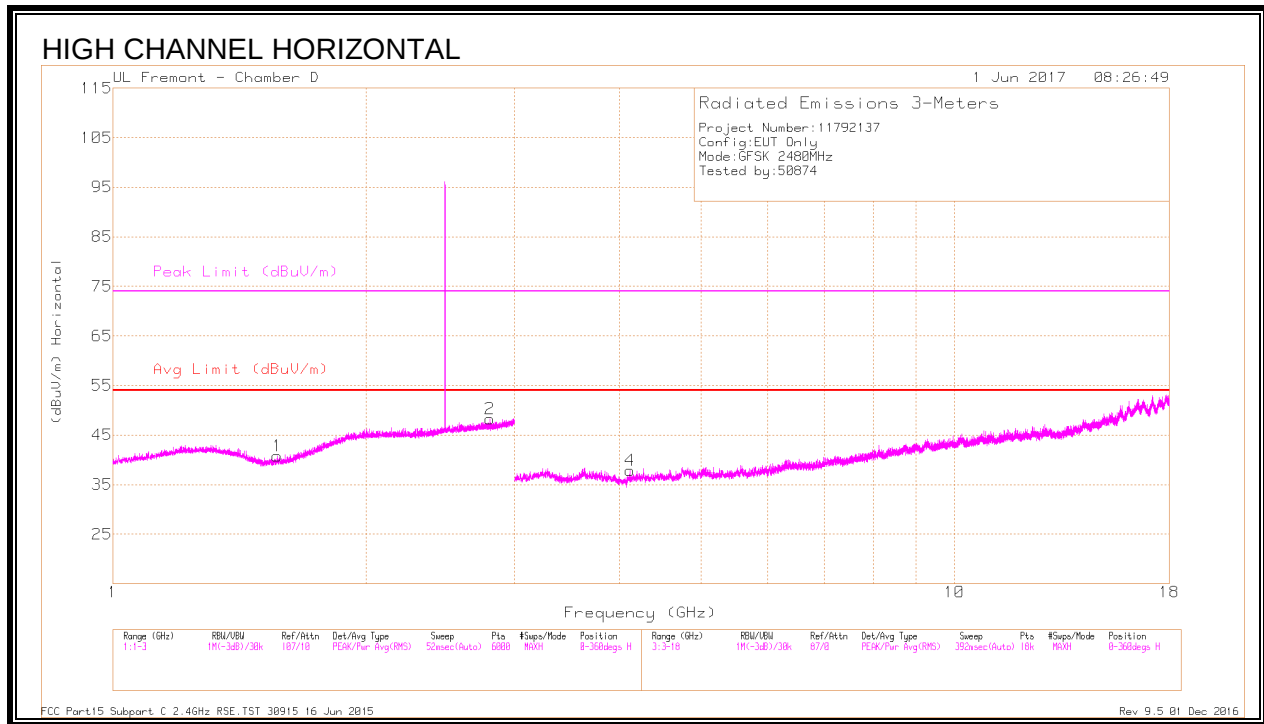
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

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DATA

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T120 (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	* 1.567	40.14	PKFH	27.5	-21.9	45.74	-	-	74	-28.26	188	194	H
	* 1.567	28.56	VA1T	27.5	-21.9	34.16	54	-19.84	-	-	188	194	H
2	* 2.804	40.67	PKFH	33	-20.3	53.37	-	-	74	-20.63	327	302	H
	* 2.801	28.47	VA1T	32.9	-20.3	41.07	54	-12.93	-	-	327	302	H
3	* 1.33	40.86	PKFH	30	-22.2	48.66	-	-	74	-25.34	347	302	V
	* 1.327	28.76	VA1T	30.1	-22.2	36.66	54	-17.34	-	-	347	302	V
4	* 4.116	36.79	PKFH	33.7	-28	42.49	-	-	74	-31.51	284	184	H
	* 4.12	25.07	VA1T	33.7	-28.1	30.67	54	-23.33	-	-	284	184	H
5	* 3.778	37.9	PKFH	33.8	-28	43.7	-	-	74	-30.3	61	202	V
	* 3.78	25.66	VA1T	33.8	-28.1	31.36	54	-22.64	-	-	61	202	V
6	* 7.524	35.34	PKFH	36.6	-25	46.94	-	-	74	-27.06	314	264	V
	* 7.524	23.08	VA1T	36.6	-25	34.68	54	-19.32	-	-	314	264	V

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

PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

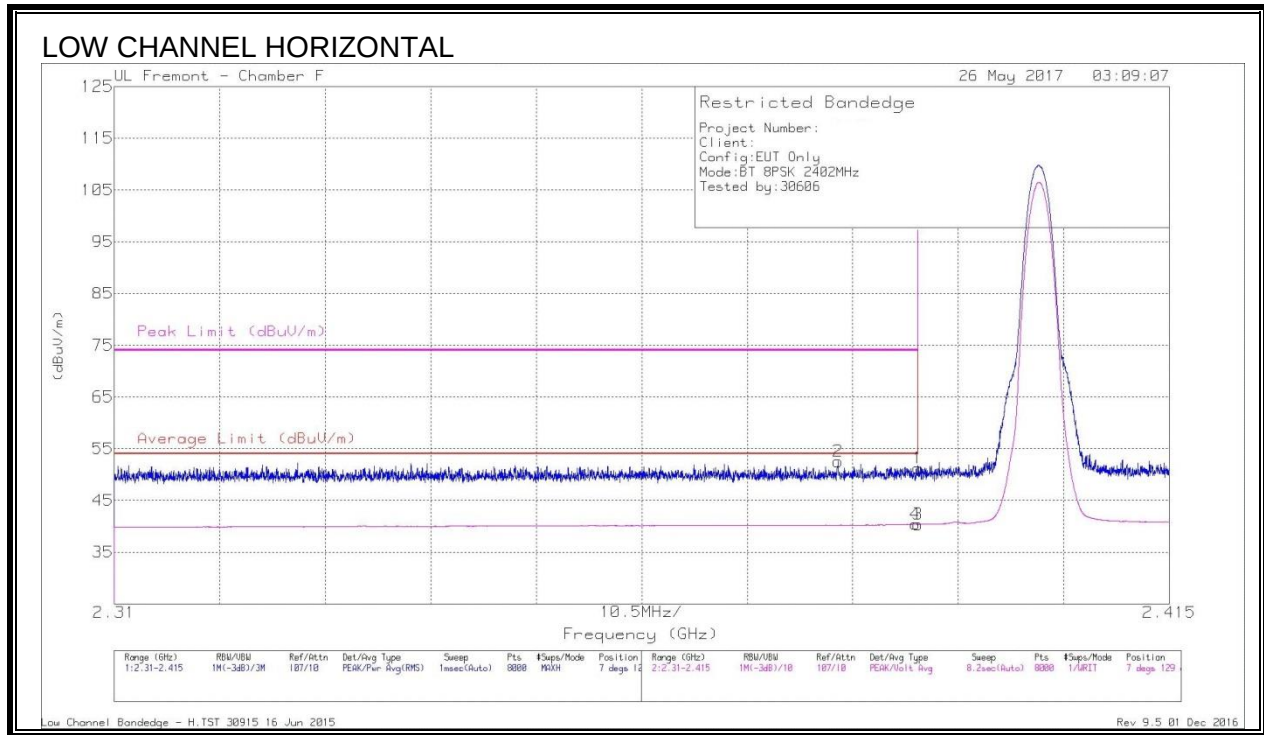
VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

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9.7. LAT 3, HIGH POWER ENHANCED DATA RATE 8PSK MODULATION

9.7.1. RESTRICTED BANDEDGE (LOW CHANNEL)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	40.35	Pk	31.9	-21	51.25	-	-	74	-22.75	7	129	H
2	* 2.382	41.65	Pk	31.8	-20.9	52.55	-	-	74	-21.45	7	129	H
3	* 2.39	29.47	VA1T	31.9	-21	40.37	54	-13.63	-	-	7	129	H
4	* 2.39	29.5	VA1T	31.9	-21	40.4	54	-13.60	-	-	7	129	H

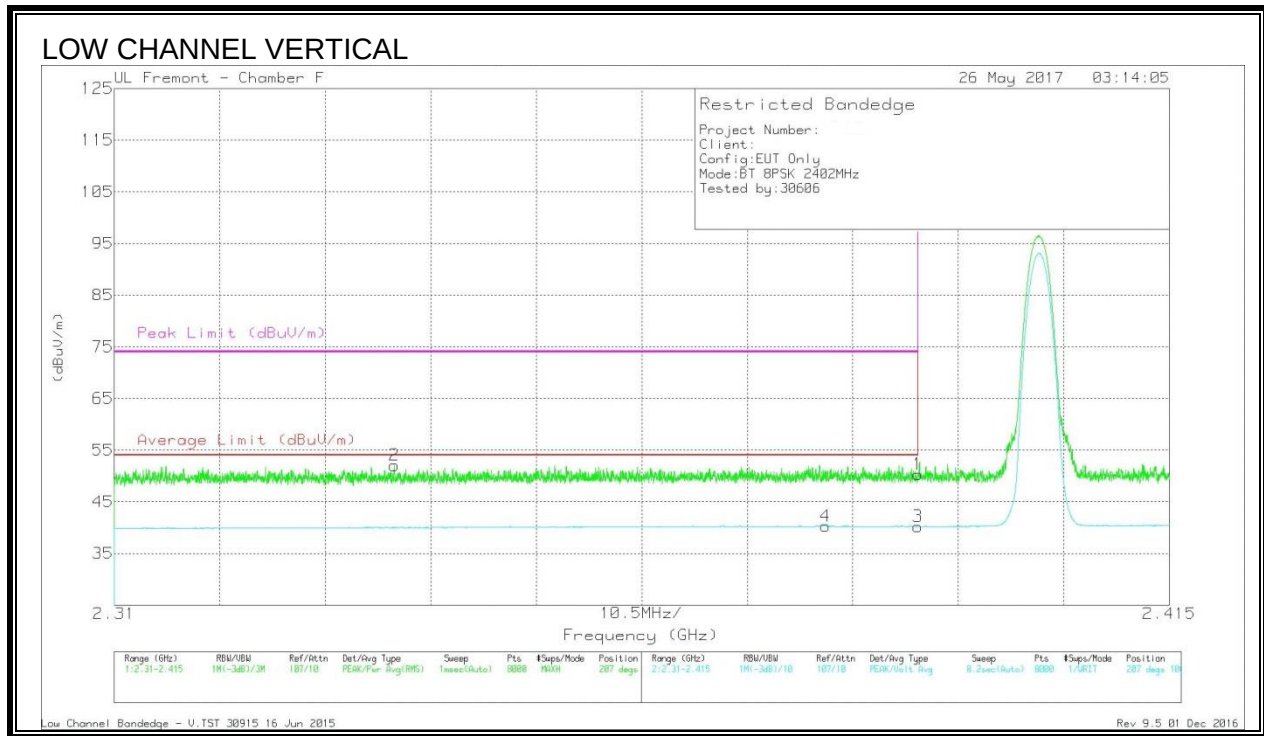
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

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Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT119 (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	39.39	Pk	31.9	-21	50.29	-	-	74	-23.71	207	106	V
2	* 2.338	41.36	Pk	31.7	-21	52.06	-	-	74	-21.94	207	106	V
3	* 2.39	29.31	VA1T	31.9	-21	40.21	54	-13.79	-	-	207	106	V
4	* 2.381	29.39	VA1T	31.8	-20.9	40.29	54	-13.71	-	-	207	106	V

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

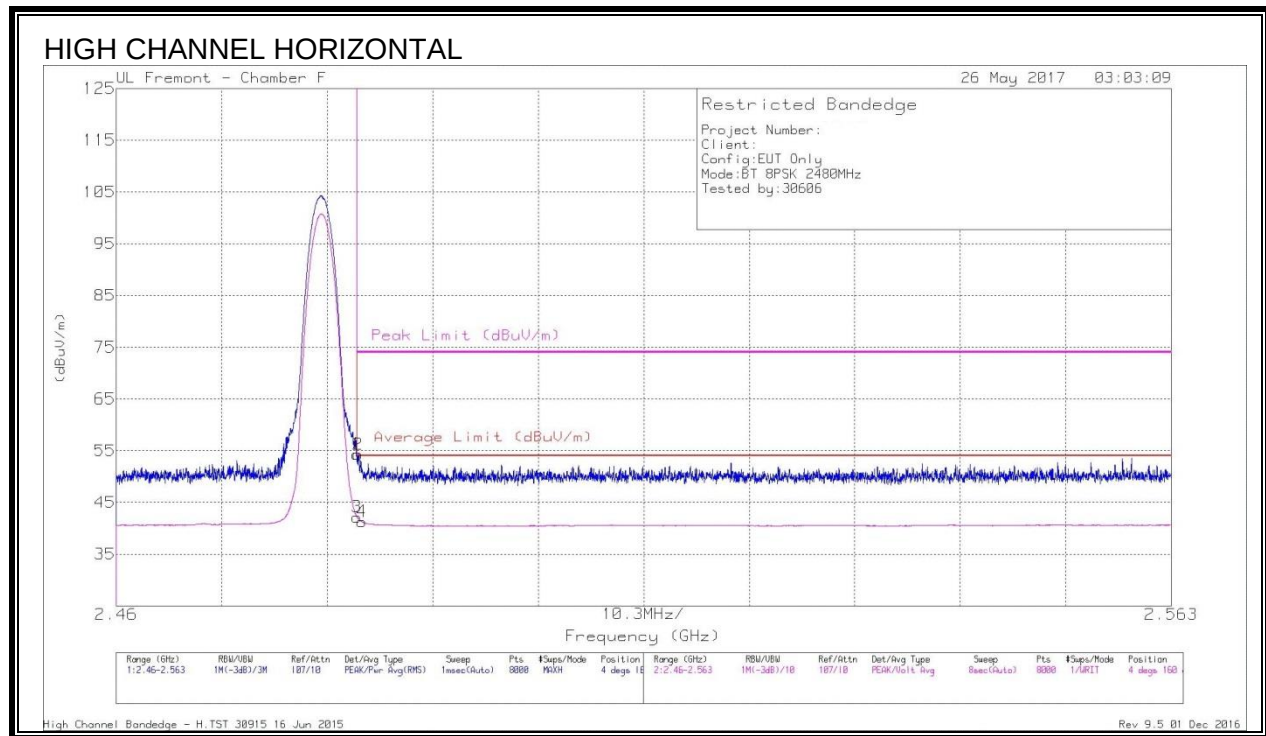
Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

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9.7.2. AUTHORIZED BANDEDGE (HIGH CHANNEL)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	43.21	Pk	32.1	-21	54.31	-	-	74	-19.69	4	160	H
2	* 2.484	43.18	Pk	32.1	-21	54.28	-	-	74	-19.72	4	160	H
3	* 2.484	31.08	VA1T	32.1	-21	42.18	54	-11.92	-	-	4	160	H
4	* 2.484	30.09	VA1T	32.2	-21	41.29	54	-11.71	-	-	4	160	H

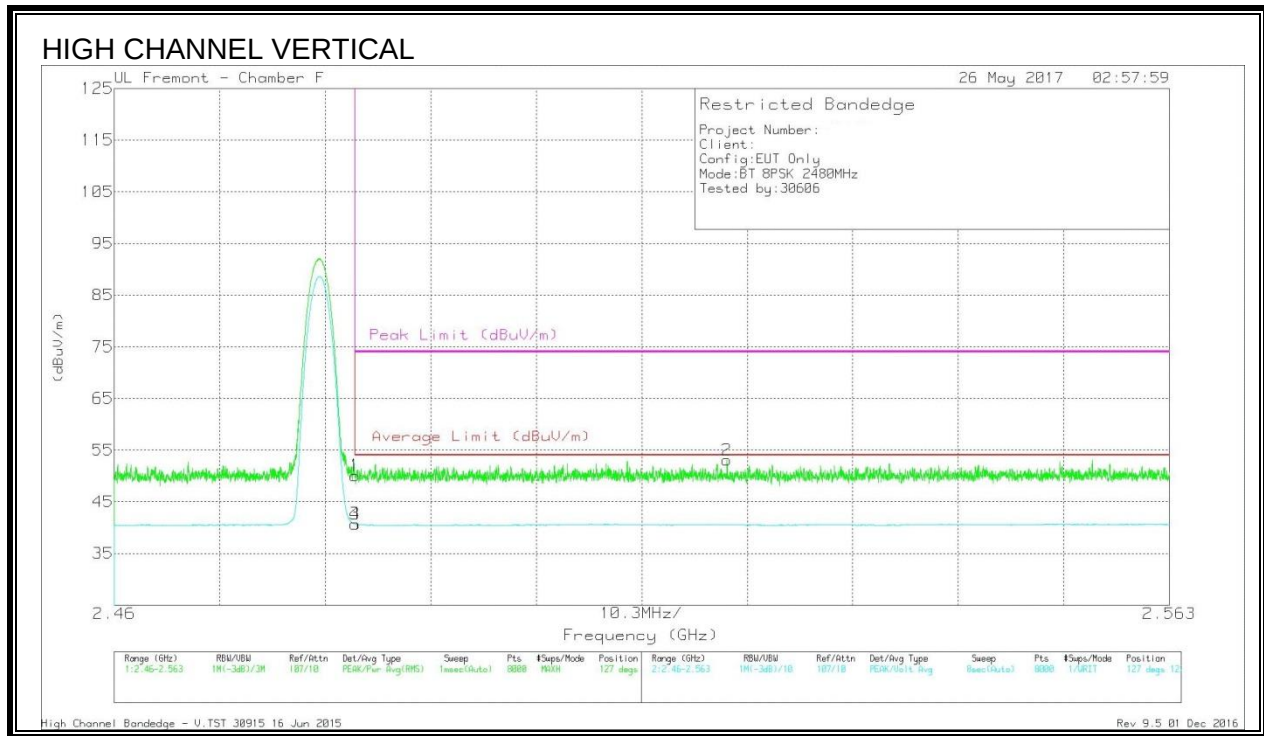
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

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Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT119 (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	38.98	Pk	32.1	-21	50.08	-	-	74	-23.92	127	122	V
2	2.52	41.86	Pk	32.2	-21	53.06	-	-	74	-20.94	127	122	V
3	* 2.484	29.59	VA1T	32.1	-21	40.69	54	-13.31	-	-	127	122	V
4	* 2.484	29.59	VA1T	32.1	-21	40.69	54	-13.31	-	-	127	122	V

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

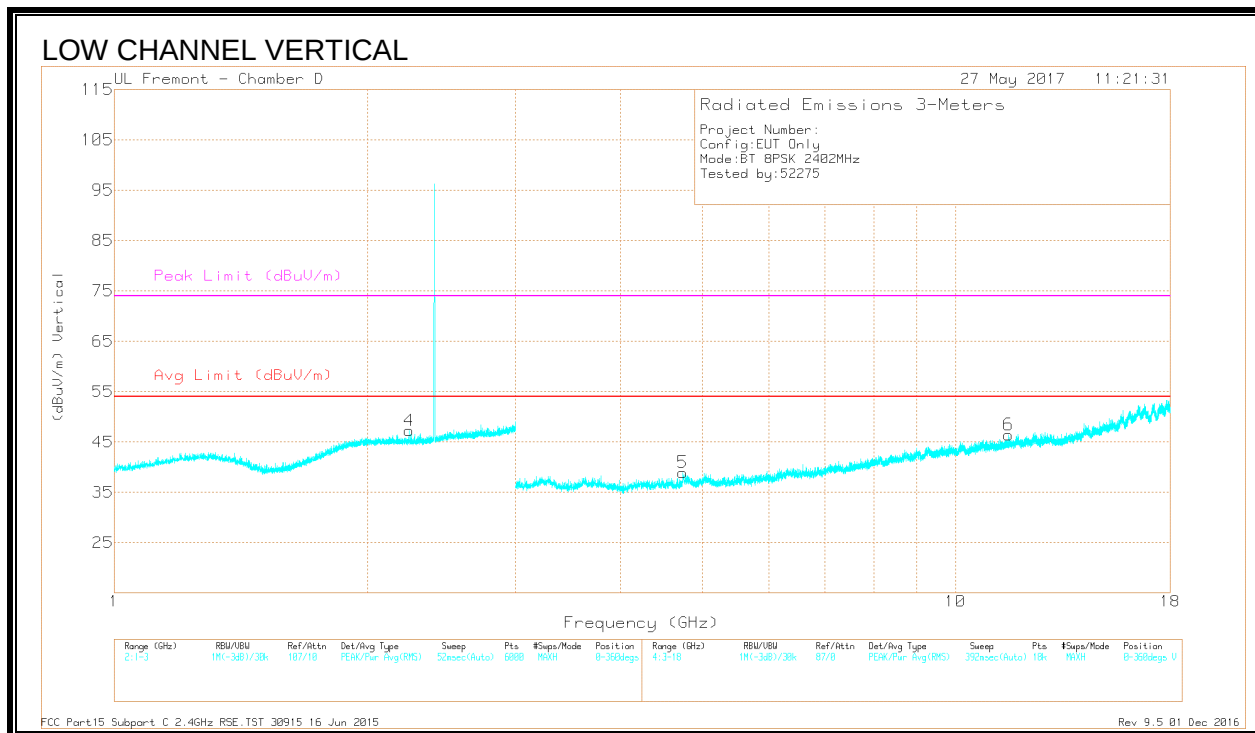
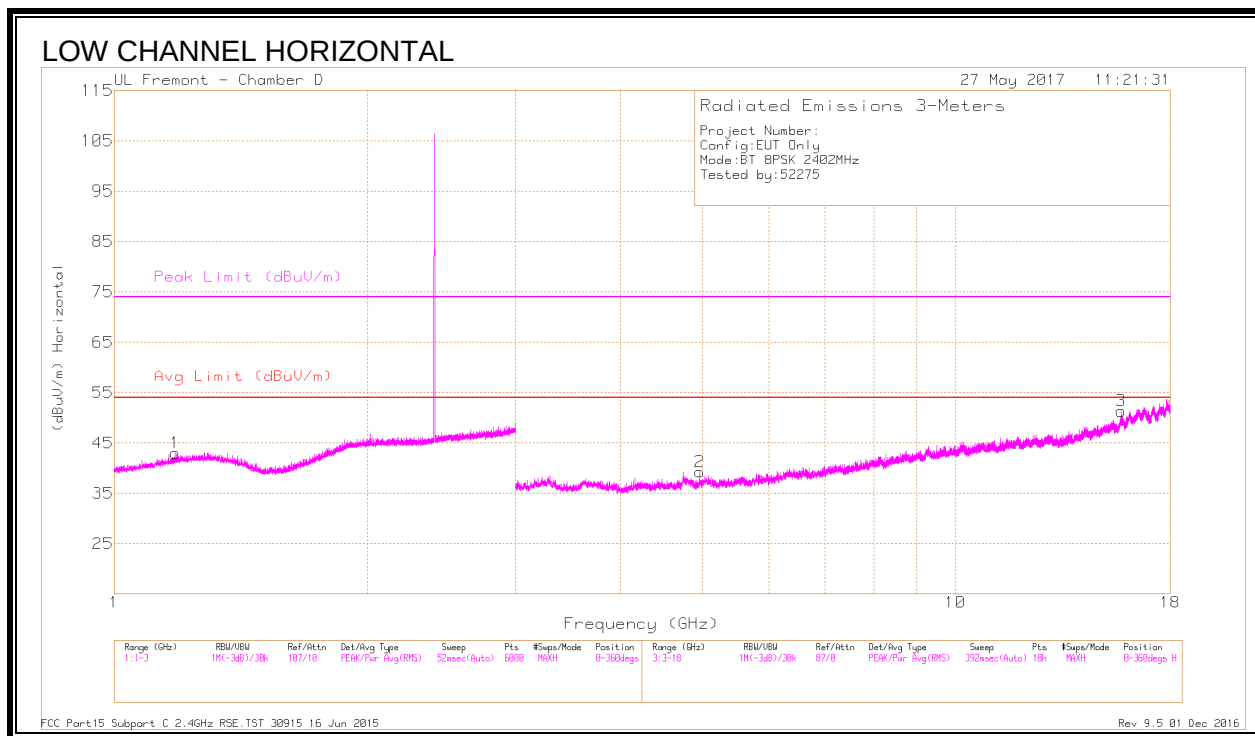
Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

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9.7.3. HARMONICS AND SPURIOUS EMISSIONS



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (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	* 1.183	42.5	PK2	29.9	-22.4	50	-	-	74	-24	165	303	H
	* 1.181	30	MAv1	29.9	-22.4	37.5	-	-	-	-	165	303	H
4	* 2.243	41.58	PK2	32.1	-20.9	52.78	-	-	74	-21.22	83	344	V
	* 2.243	29.79	MAv1	32.1	-20.9	40.99	-	-	-	-	83	344	V
2	* 4.966	38.21	PK2	34.2	-27.4	45.01	-	-	74	-28.99	113	283	H
	* 4.967	26.13	MAv1	34.2	-27.4	32.93	-	-	-	-	113	283	H
3	* 15.745	34.45	PK2	41.9	-18.9	57.45	-	-	74	-16.55	163	381	H
	* 15.744	23.02	MAv1	41.9	-18.9	46.02	-	-	-	-	163	381	H
5	* 4.739	37.95	PK2	34.2	-26.9	45.25	-	-	74	-28.75	16	293	V
	* 4.739	26.48	MAv1	34.2	-26.9	33.78	-	-	-	-	16	293	V
6	* 11.564	34.47	PK2	39.1	-20.7	52.87	-	-	74	-21.13	42	218	V
	* 11.562	22.6	MAv1	39.1	-20.7	41	-	-	-	-	42	218	V

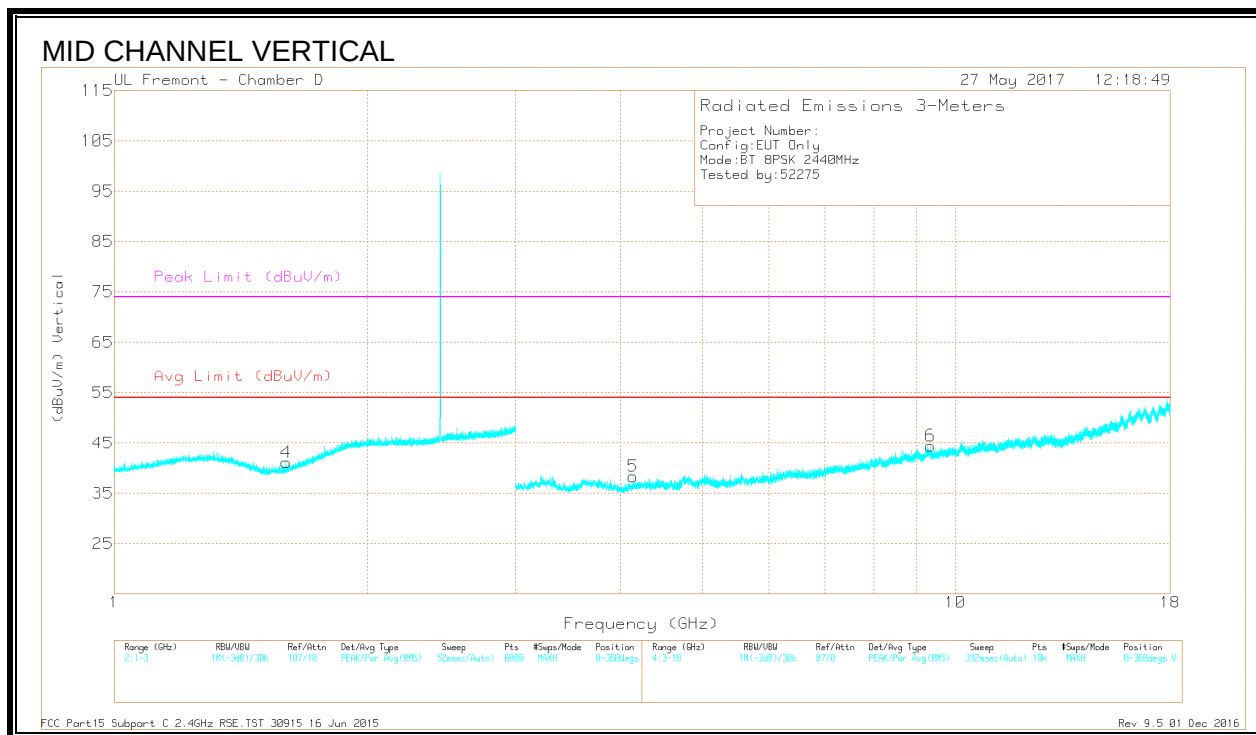
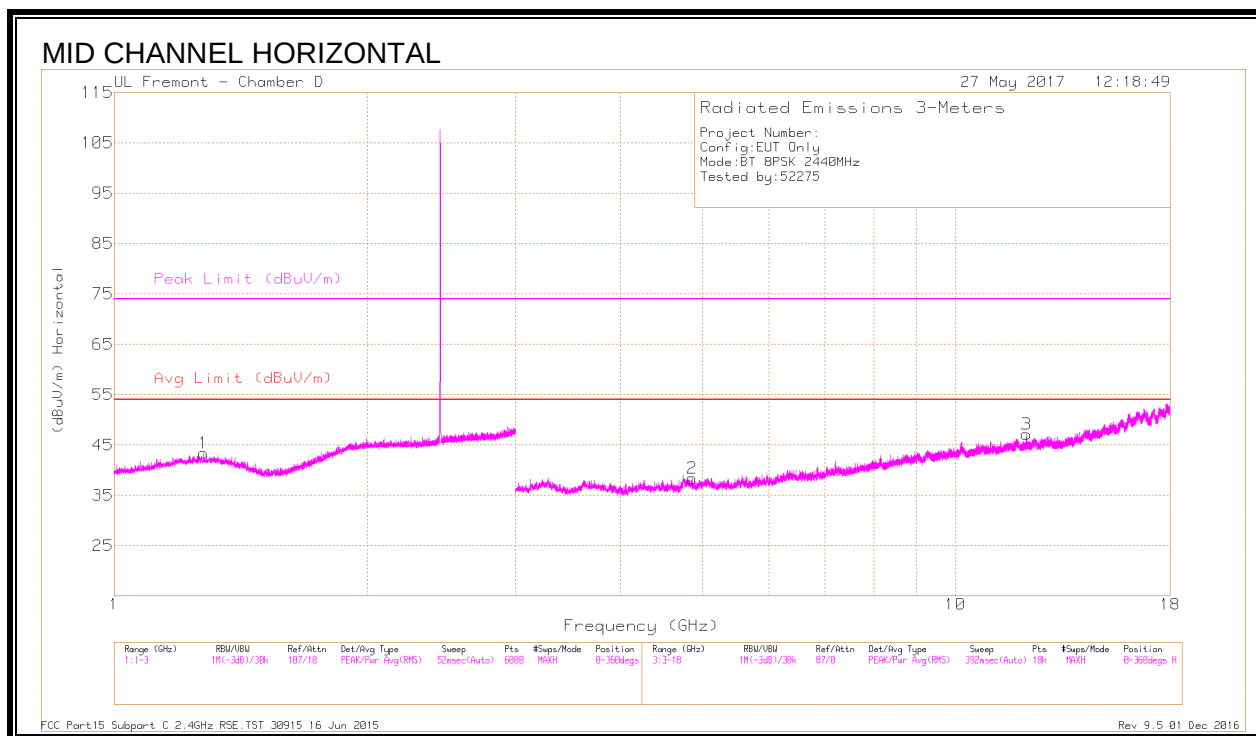
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

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DATA

Marker	Frequency (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	* 1.278	41.69	PK2	30.3	-22.3	49.69	-	-	74	-24.31	237	167	H
	* 1.275	42.08	PKFH	30.3	-22.3	50.08	-	-	74	-23.92	237	167	H
4	* 1.602	41.49	PK2	27.6	-21.8	47.29	-	-	74	-26.71	17	281	V
	* 1.603	40.68	PKFH	27.6	-21.8	46.48	-	-	74	-27.52	17	281	V
2	* 4.863	37.85	PK2	34.2	-28	44.05	-	-	74	-29.95	334	162	H
	* 4.863	36.82	PKFH	34.2	-28	43.02	-	-	74	-30.98	334	162	H
3	* 12.145	34.23	PK2	39.4	-20.6	53.03	-	-	74	-20.97	240	272	H
	* 12.142	33.52	PKFH	39.4	-20.7	52.22	-	-	74	-21.78	240	272	H
5	* 4.139	38.18	PK2	33.7	-28.1	43.78	-	-	74	-30.22	157	298	V
	* 4.142	37	PKFH	33.7	-28.1	42.6	-	-	74	-31.4	157	298	V
6	* 9.335	34.29	PK2	37.6	-21.4	50.49	-	-	74	-23.51	185	158	V
	* 9.333	33.28	PKFH	37.6	-21.3	49.58	-	-	74	-24.42	185	158	V

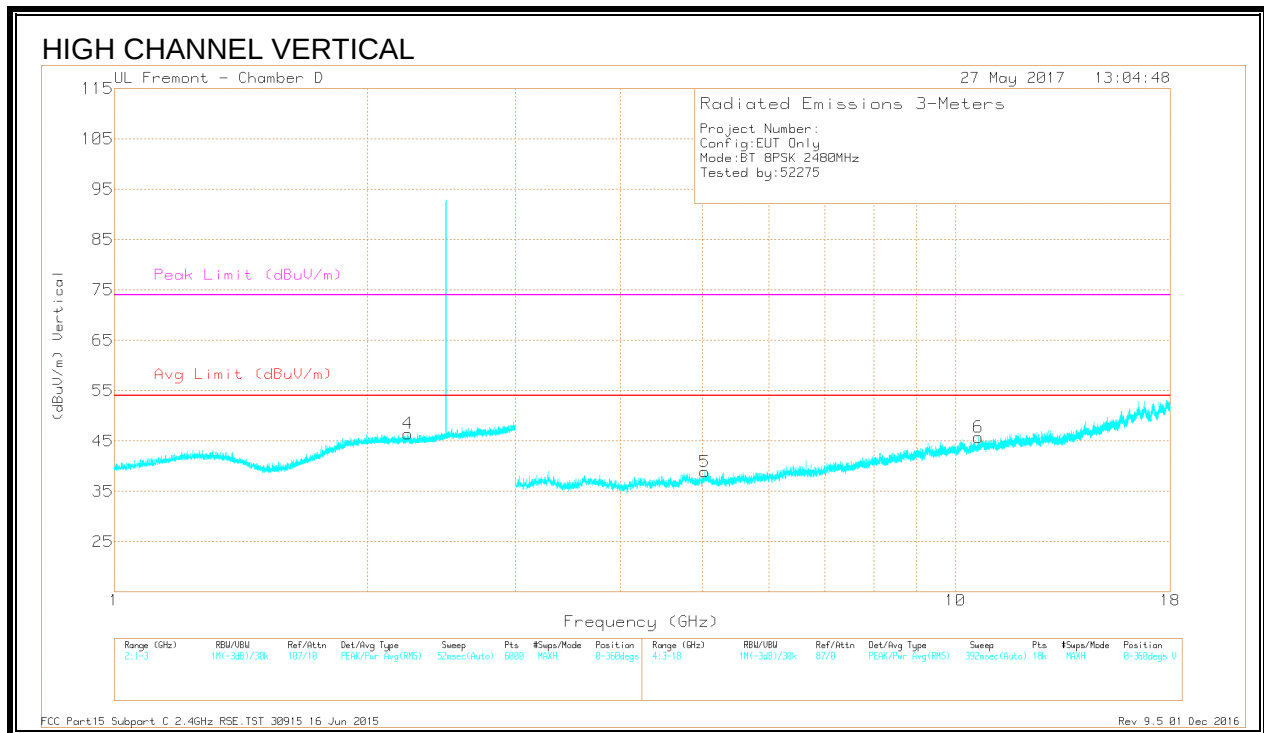
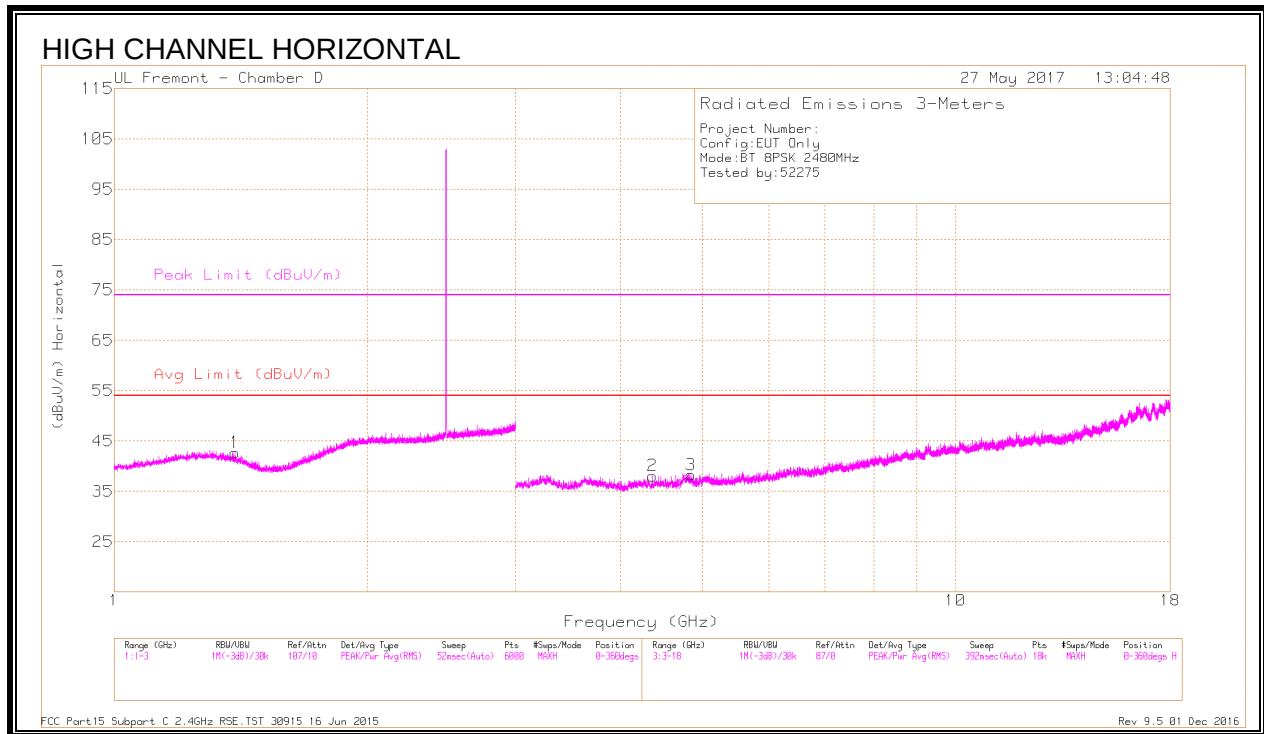
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK2 - KDB558074 Method: Maximum Peak

PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

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DATA

Marker	Frequency (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	* 1.391	42.34	PK2	29.5	-22.1	49.74	-	-	74	-24.26	20	209	H
	* 1.391	41.29	PKFH	29.5	-22.1	48.69	-	-	74	-25.31	20	209	H
4	* 2.234	41.81	PK2	32.2	-20.9	53.11	-	-	74	-20.89	175	345	V
	* 2.236	39.81	PKFH	32.2	-20.9	51.11	-	-	74	-22.89	175	345	V
2	* 4.363	38.56	PK2	33.8	-28.3	44.06	-	-	74	-29.94	111	214	H
	* 4.361	37.2	PKFH	33.8	-28.4	42.6	-	-	74	-31.4	111	214	H
3	* 4.849	37.65	PK2	34.2	-27.9	43.95	-	-	74	-30.05	112	192	H
	* 4.848	37.25	PKFH	34.2	-27.9	43.55	-	-	74	-30.45	112	192	H
5	* 5.035	37.69	PK2	34.3	-26.6	45.39	-	-	74	-28.61	315	353	V
	* 5.034	36.53	PKFH	34.3	-26.6	44.23	-	-	74	-29.77	315	353	V
6	* 10.652	34.38	PK2	38.4	-21.3	51.48	-	-	74	-22.52	293	285	V
	* 10.653	33.07	PKFH	38.4	-21.3	50.17	-	-	74	-23.83	293	285	V

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

PK2 - KDB558074 Method: Maximum Peak

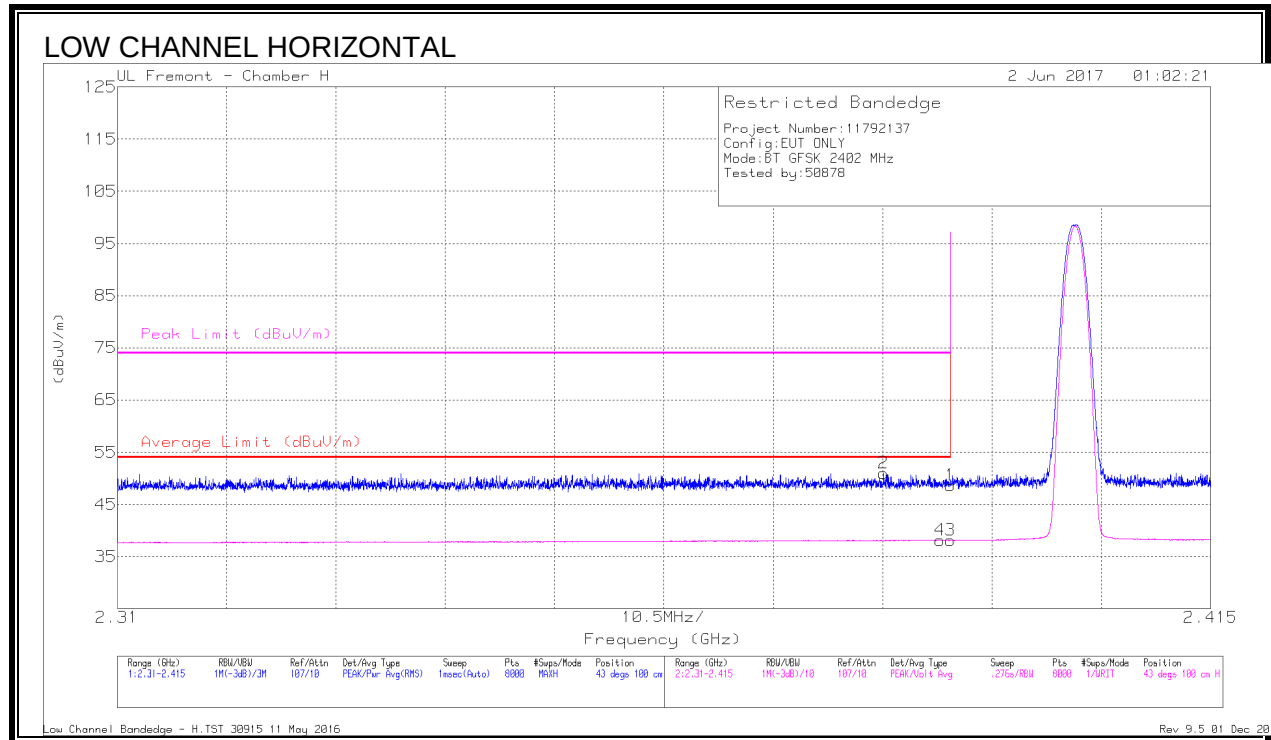
PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

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9.8. LAT 3, LOW POWER BASIC DATA RATE GFSK MODULATION

9.8.1. RESTRICTED BANDEDGE (LOW CHANNEL)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (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	* 2.39	44.43	Pk	32.3	-28.1	48.63	-	-	74	-25.37	43	100	H
2	* 2.384	46.8	Pk	32.3	-28.1	51	-	-	74	-23	43	100	H
3	* 2.39	33.91	VA1T	32.3	-28.1	38.11	54	-15.89	-	-	43	100	H
4	* 2.389	34.01	VA1T	32.3	-28.1	38.21	54	-15.79	-	-	43	100	H

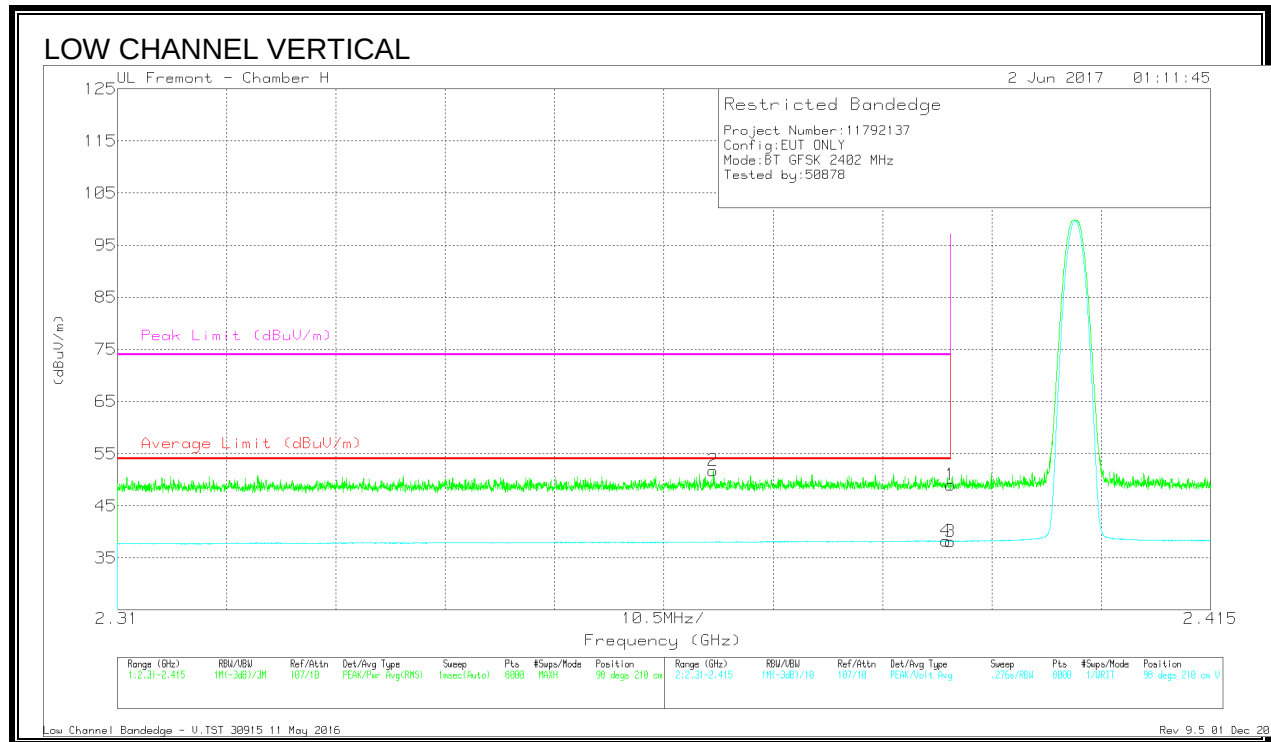
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

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Marker	Frequ ncy (GHz)	Meter Readin g (dBuV)	Det	AF T344 (dB/m)	Amp/C bl/Fitr/ 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	44.81	Pk	32.3	-28.1	49.01	-	-	74	-24.99	98	210	V
2	* 2.367	47.51	Pk	32.2	-28	51.71	-	-	74	-22.29	98	210	V
3	* 2.39	33.97	VA1T	32.3	-28.1	38.17	54	-15.83	-	-	98	210	V
4	* 2.39	34.08	VA1T	32.3	-28.1	38.28	54	-15.72	-	-	98	210	V

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

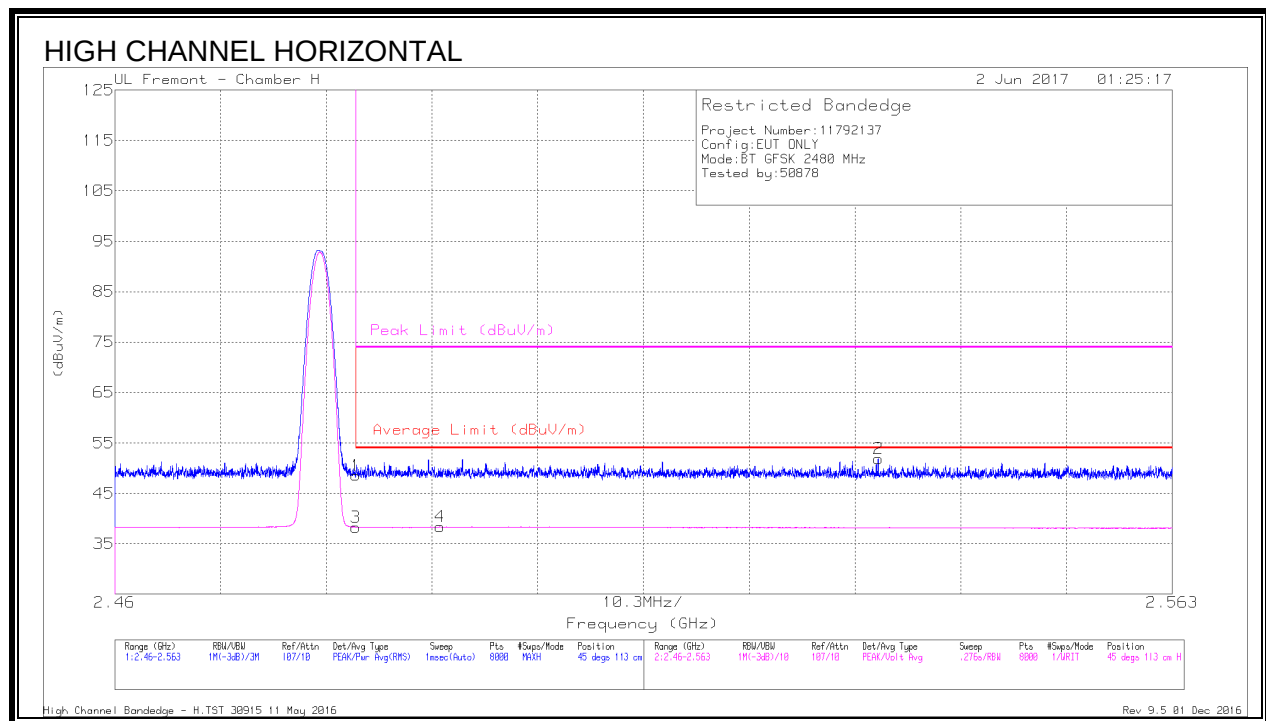
Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

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9.8.2. AUTHORIZED BANDEGE (HIGH CHANNEL)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (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	44.38	Pk	32.4	-28.2	48.58	-	-	74	-25.42	45	113	H
2	2.534	47.74	Pk	32.3	-28.2	51.84	-	-	74	-22.16	45	113	H
3	* 2.484	34.11	VA1T	32.4	-28.2	38.31	54	-15.69	-	-	45	113	H
4	* 2.492	34.16	VA1T	32.4	-28.2	38.36	54	-15.64	-	-	45	113	H

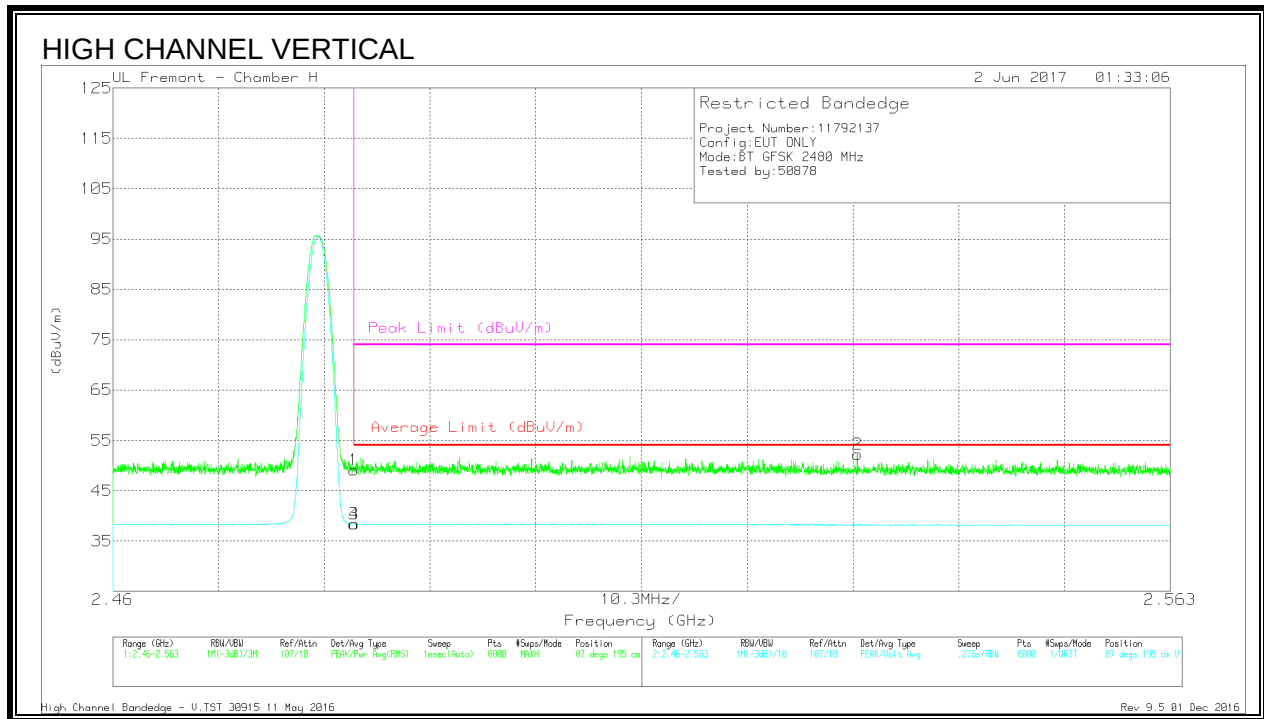
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

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Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (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	44.89	Pk	32.4	-28.2	49.09	-	-	74	-24.91	87	195	V
2	2.533	48.04	Pk	32.3	-28.1	52.24	-	-	74	-21.76	87	195	V
3	* 2.484	34.18	VA1T	32.4	-28.2	38.38	54	-15.62	-	-	87	195	V
4	* 2.484	34.19	VA1T	32.4	-28.2	38.39	54	-15.61	-	-	87	195	V

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

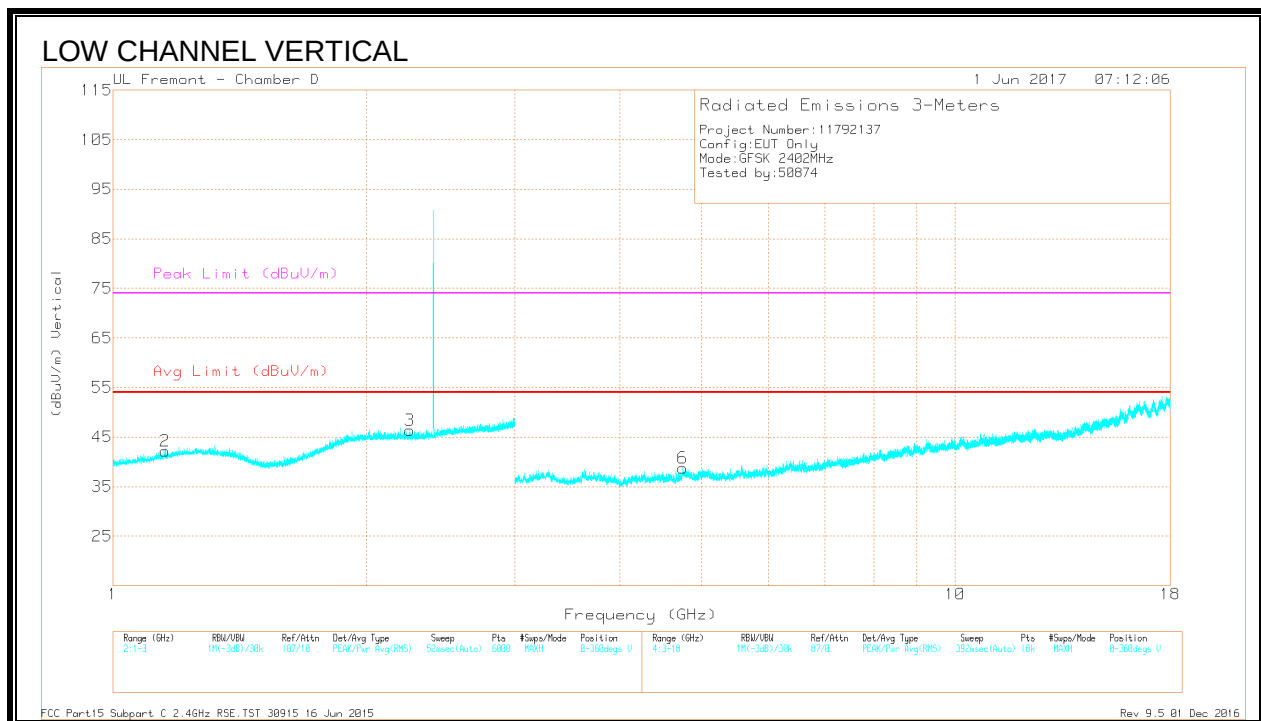
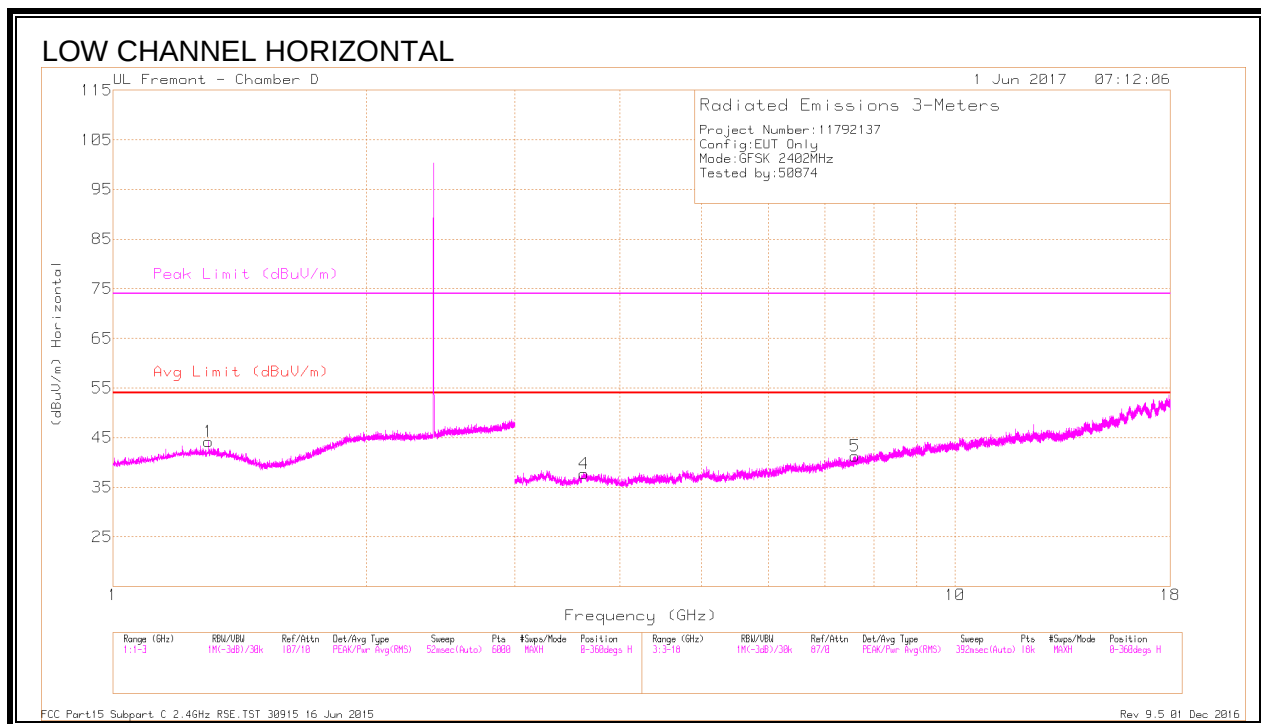
Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

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Rev 9.5 01 Dec 2016

9.8.3. HARMONICS AND SPURIOUS EMISSIONS



DATA

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T120 (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	* 1.297	40.11	PKFH	30.3	-22.2	48.21	-	-	74	-25.79	301	148	H
	* 1.298	28.81	VA1T	30.3	-22.2	36.91	54	-17.09	-	-	301	148	H
2	* 1.153	41.08	PKFH	29.6	-22.4	48.28	-	-	74	-25.72	240	129	V
	* 1.152	28.83	VA1T	29.6	-22.4	36.03	54	-17.97	-	-	240	129	V
3	* 2.249	40.66	PKFH	32.1	-21	51.76	-	-	74	-22.24	346	297	V
	* 2.252	28.56	VA1T	32.1	-21	39.66	54	-14.34	-	-	346	297	V
4	* 3.626	37.92	PKFH	34	-28.6	43.32	-	-	74	-30.68	351	330	H
	* 3.628	25.85	VA1T	34	-28.6	31.25	54	-22.75	-	-	351	330	H
5	* 7.609	35.27	PKFH	36.7	-24.8	47.17	-	-	74	-26.83	115	267	H
	* 7.607	23.13	VA1T	36.7	-24.9	34.93	54	-19.07	-	-	115	267	H
6	* 4.746	36.92	PKFH	34.2	-26.5	44.62	-	-	74	-29.38	82	287	V
	* 4.744	25.34	VA1T	34.2	-26.6	32.94	54	-21.06	-	-	82	287	V

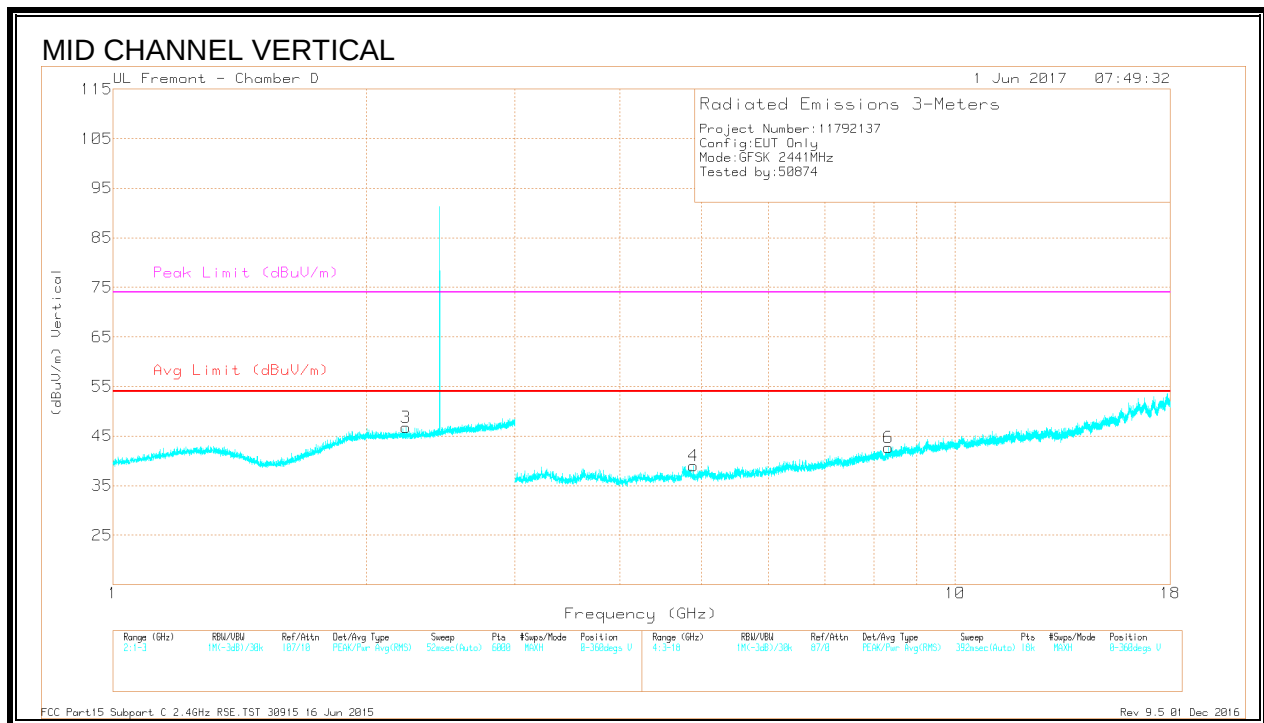
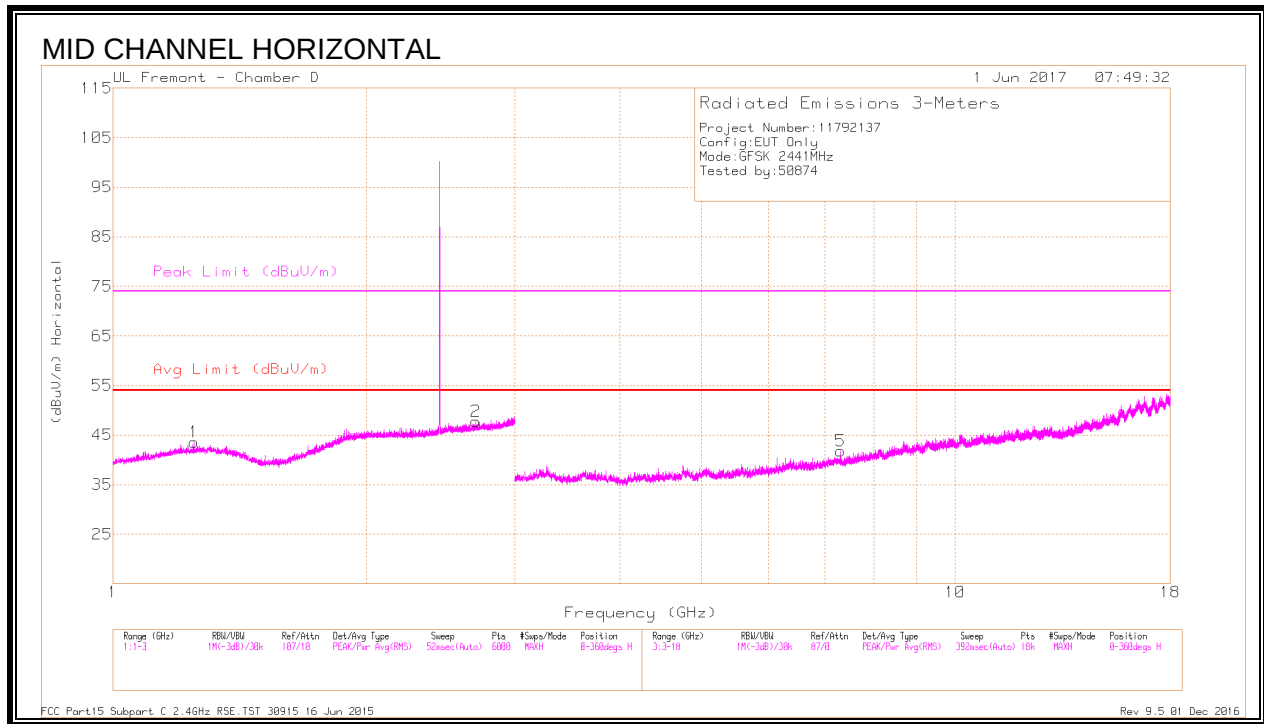
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

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DATA

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T120 (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	* 1.249	40.67	PKFH	30.2	-22.2	48.67	-	-	74	-25.33	260	268	H
	* 1.247	28.87	VA1T	30.2	-22.3	36.77	54	-17.23	-	-	260	268	H
2	* 2.697	40.19	PKFH	32.9	-20.5	52.59	-	-	74	-21.41	223	283	H
	* 2.699	28.62	VA1T	32.9	-20.5	41.02	54	-12.98	-	-	223	283	H
3	* 2.23	41.06	PKFH	32.2	-21	52.26	-	-	74	-21.74	214	375	V
	* 2.229	28.55	VA1T	32.2	-21	39.75	54	-14.25	-	-	214	375	V
5	* 7.305	34.86	PKFH	36.4	-24.8	46.46	-	-	74	-27.54	80	214	H
	* 7.305	23.49	VA1T	36.4	-24.8	35.09	54	-18.91	-	-	80	214	H
4	* 4.884	36.58	PKFH	34.1	-28.1	42.58	-	-	74	-31.42	185	283	V
	* 4.884	25.02	VA1T	34.1	-28.1	31.02	54	-22.98	-	-	185	283	V
6	* 8.335	34.51	PKFH	37.1	-23.5	48.11	-	-	74	-25.89	198	118	V
	* 8.331	22.38	VA1T	37.1	-23.6	35.88	54	-18.12	-	-	198	118	V

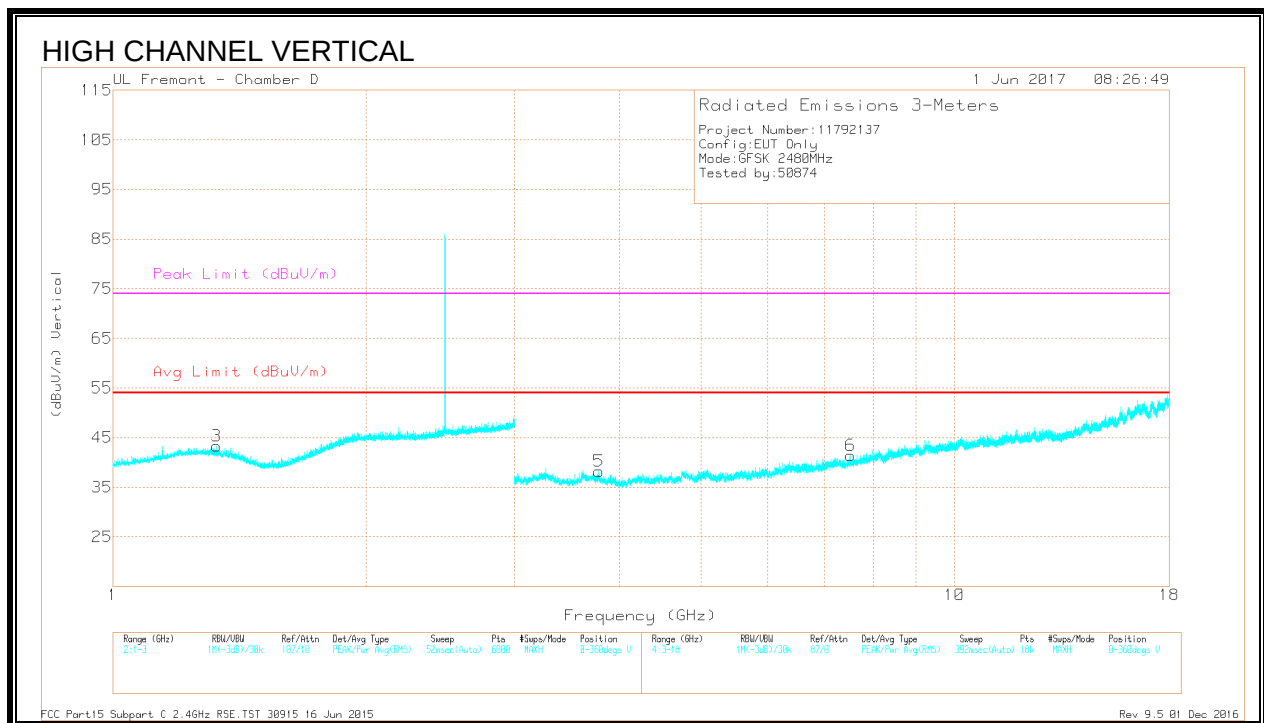
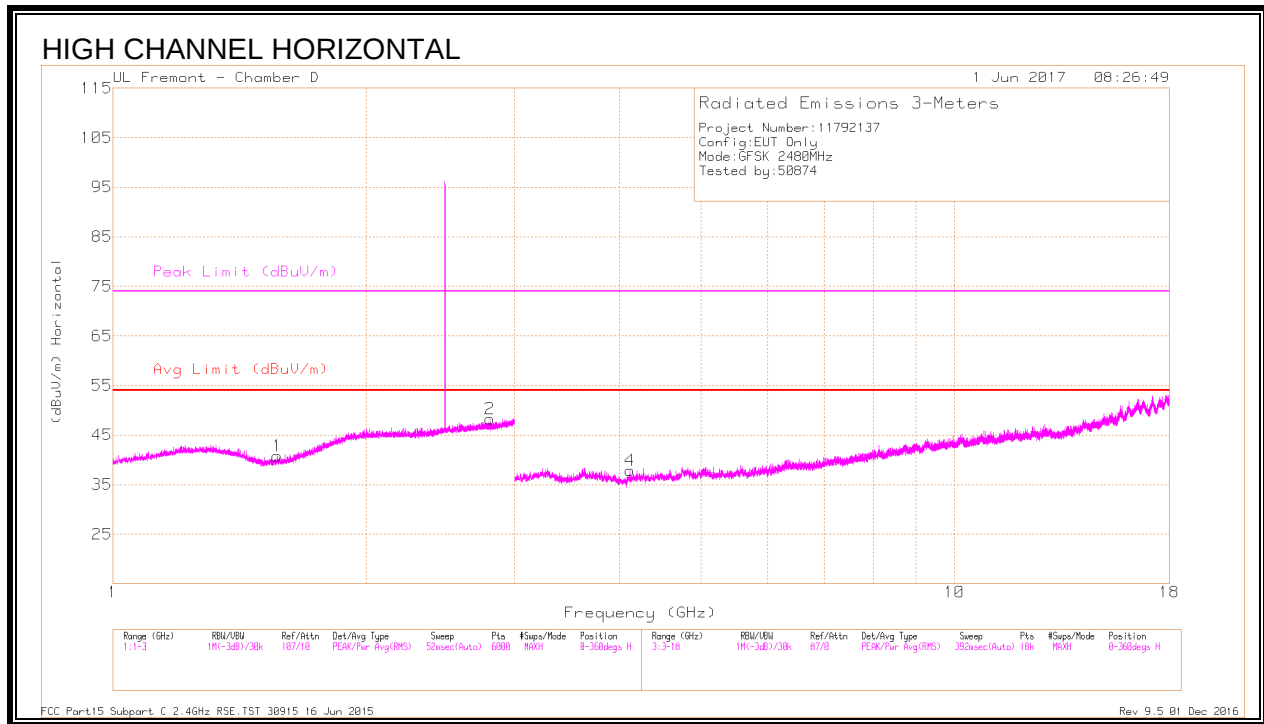
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

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DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (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
1	* 1.567	40.14	PKFH	27.5	-21.9	45.74	-	-	74	-28.26	188	194	H
	* 1.567	28.56	VA1T	27.5	-21.9	34.16	54	-19.84	-	-	188	194	H
2	* 2.804	40.67	PKFH	33	-20.3	53.37	-	-	74	-20.63	327	302	H
	* 2.801	28.47	VA1T	32.9	-20.3	41.07	54	-12.93	-	-	327	302	H
3	* 1.33	40.86	PKFH	30	-22.2	48.66	-	-	74	-25.34	347	302	V
	* 1.327	28.76	VA1T	30.1	-22.2	36.66	54	-17.34	-	-	347	302	V
4	* 4.116	36.79	PKFH	33.7	-28	42.49	-	-	74	-31.51	284	184	H
	* 4.12	25.07	VA1T	33.7	-28.1	30.67	54	-23.33	-	-	284	184	H
5	* 3.778	37.9	PKFH	33.8	-28	43.7	-	-	74	-30.3	61	202	V
	* 3.78	25.66	VA1T	33.8	-28.1	31.36	54	-22.64	-	-	61	202	V
6	* 7.524	35.34	PKFH	36.6	-25	46.94	-	-	74	-27.06	314	264	V
	* 7.524	23.08	VA1T	36.6	-25	34.68	54	-19.32	-	-	314	264	V

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

PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

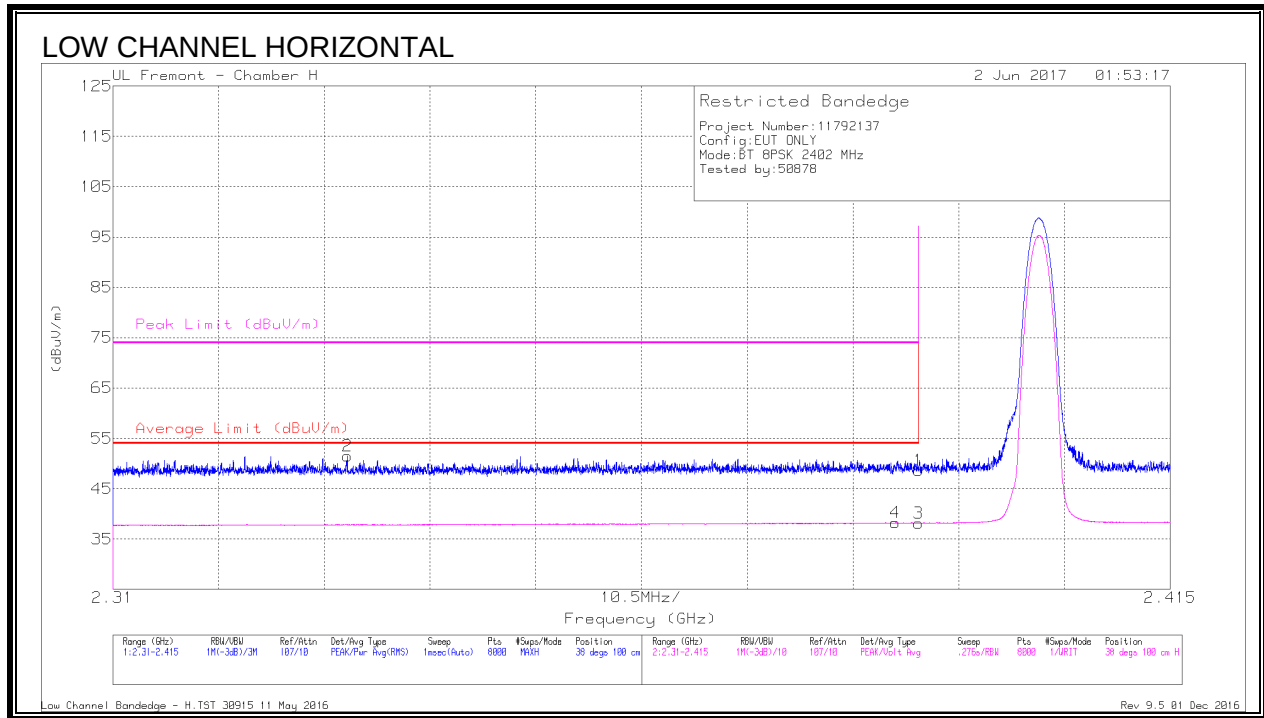
VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

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9.9. LAT 3, LOW POWER ENHANCED DATA RATE 8PSK MODULATION

9.9.1. RESTRICTED BANDEDGE (LOW CHANNEL)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (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	* 2.39	44.4	Pk	32.3	-28.1	48.6	-	-	74	-25.4	38	100	H
2	* 2.333	47.63	Pk	32	-28.1	51.53	-	-	74	-22.47	38	100	H
3	* 2.39	33.97	VA1T	32.3	-28.1	38.17	54	-15.83	-	-	38	100	H
4	* 2.388	34.05	VA1T	32.3	-28.1	38.25	54	-15.75	-	-	38	100	H

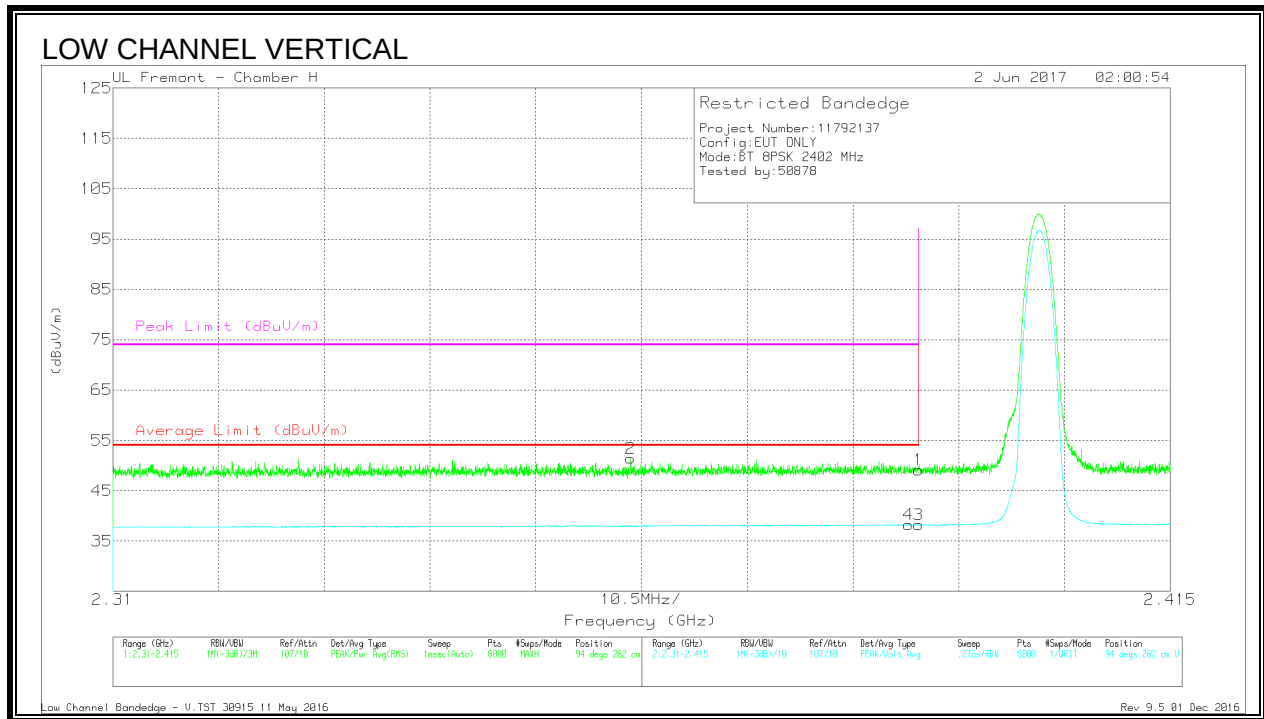
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

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Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (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	44.97	Pk	32.3	-28.1	49.17	-	-	74	-24.83	94	262	V
2	* 2.361	47.45	Pk	32.1	-28.1	51.45	-	-	74	-22.55	94	262	V
3	* 2.39	34.03	VA1T	32.3	-28.1	38.23	54	-15.77	-	-	94	262	V
4	* 2.389	34.06	VA1T	32.3	-28.1	38.26	54	-15.74	-	-	94	262	V

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

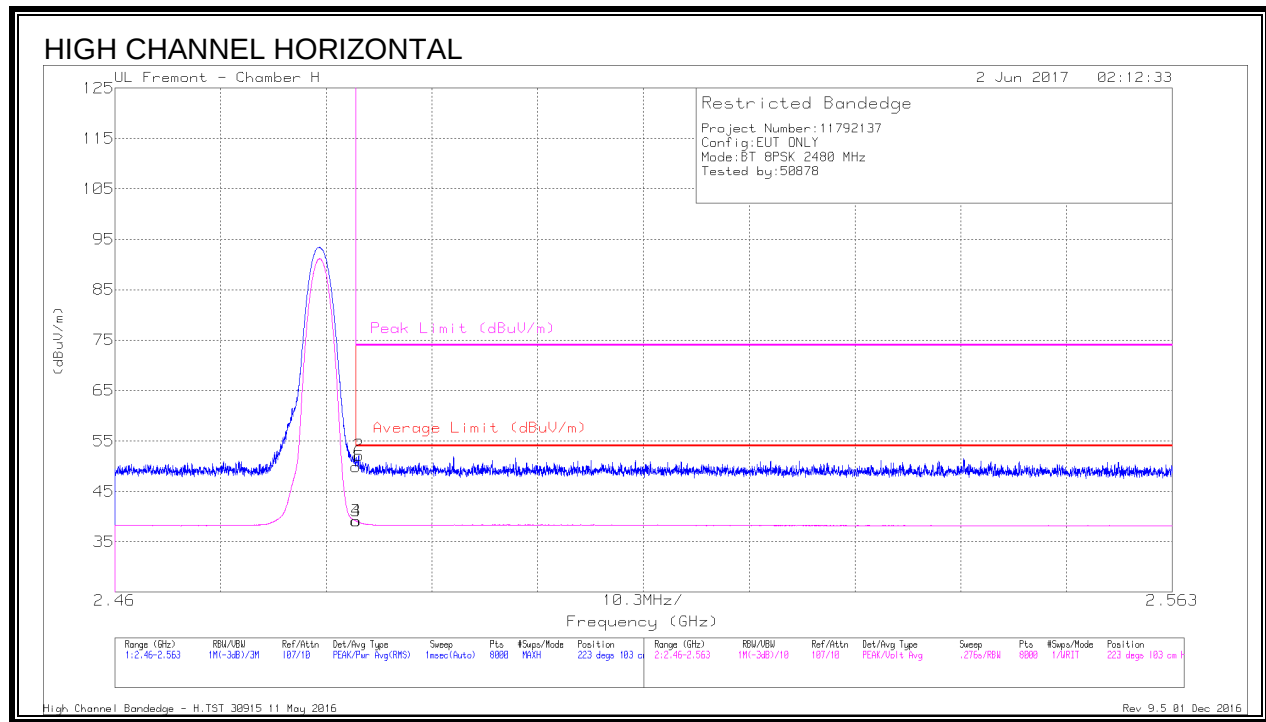
Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

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Rev 9.5 01 Dec 2016

9.9.2. AUTHORIZED BANDEGE (HIGH CHANNEL)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (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	45.75	Pk	32.4	-28.2	49.95	-	-	74	-24.05	223	103	H
2	* 2.484	47.89	Pk	32.4	-28.2	52.09	-	-	74	-21.91	223	103	H
3	* 2.484	34.95	VA1T	32.4	-28.2	39.15	54	-14.85	-	-	223	103	H
4	* 2.484	34.91	VA1T	32.4	-28.2	39.11	54	-14.89	-	-	223	103	H

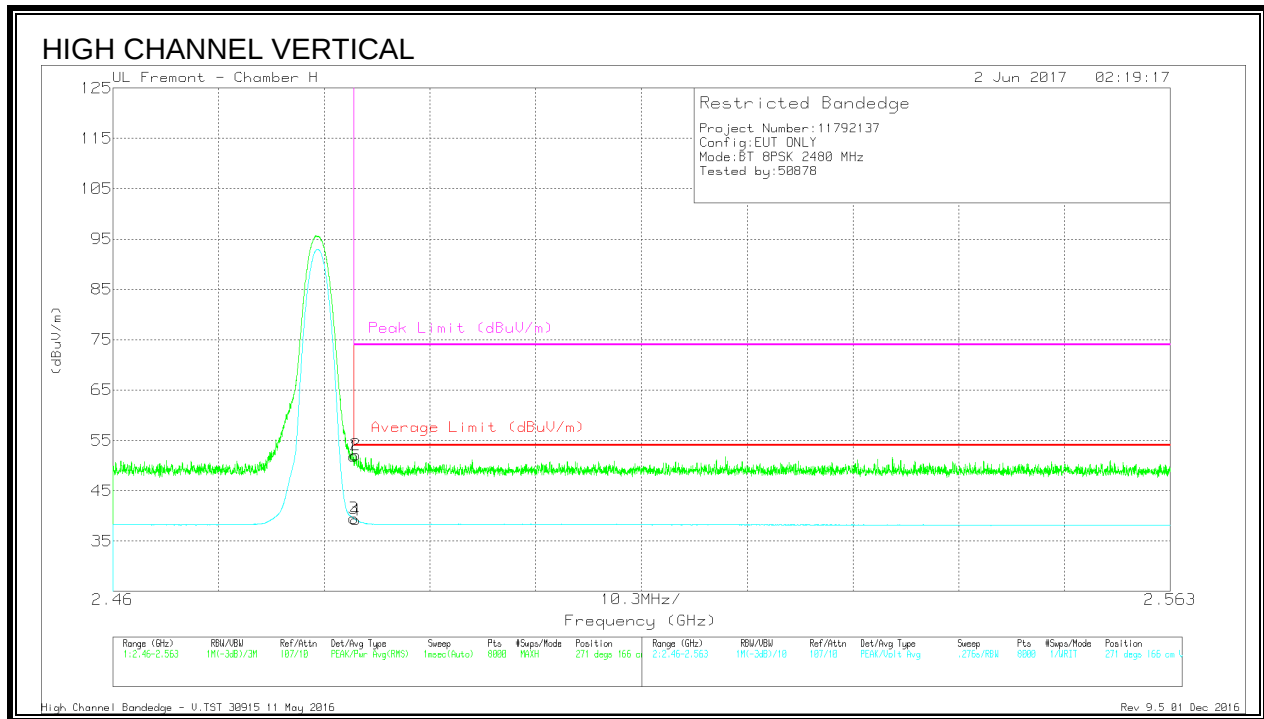
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

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Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (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	47.63	Pk	32.4	-28.2	51.83	-	-	74	-22.17	271	166	V
2	* 2.484	47.93	Pk	32.4	-28.2	52.13	-	-	74	-21.87	271	166	V
3	* 2.484	35.28	VA1T	32.4	-28.2	39.48	54	-14.52	-	-	271	166	V
4	* 2.484	35.02	VA1T	32.4	-28.2	39.22	54	-14.78	-	-	271	166	V

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

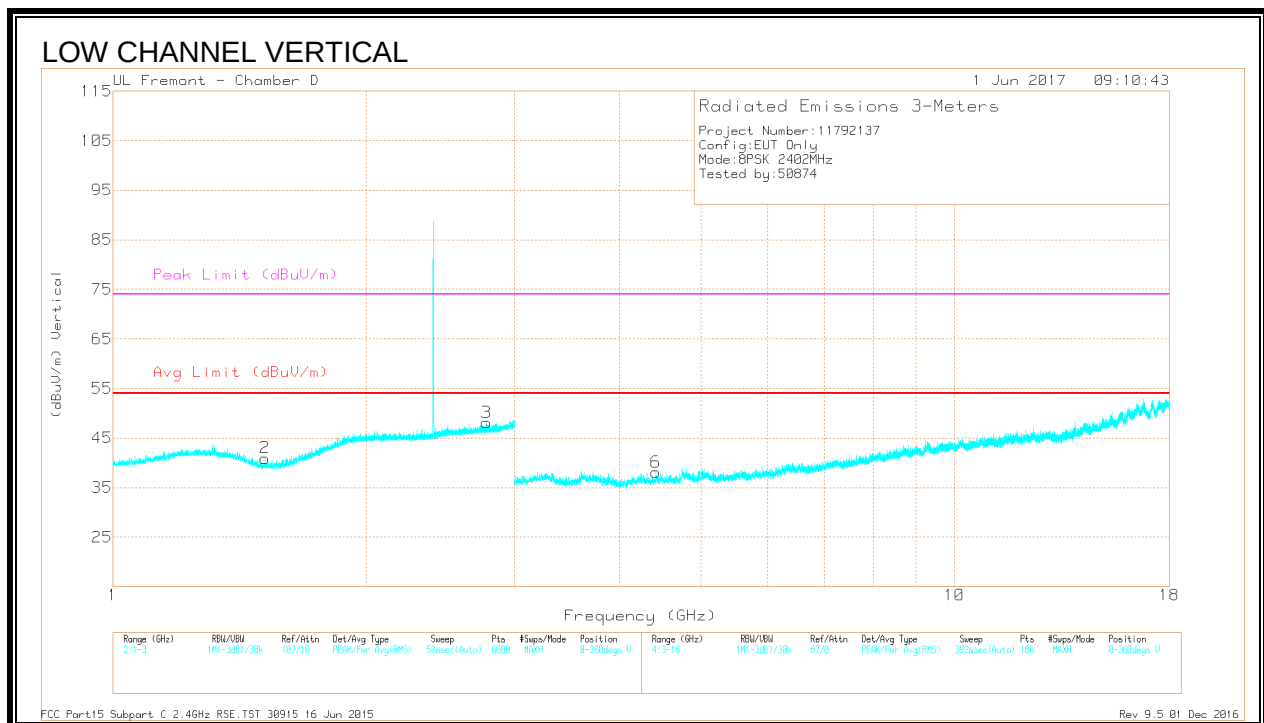
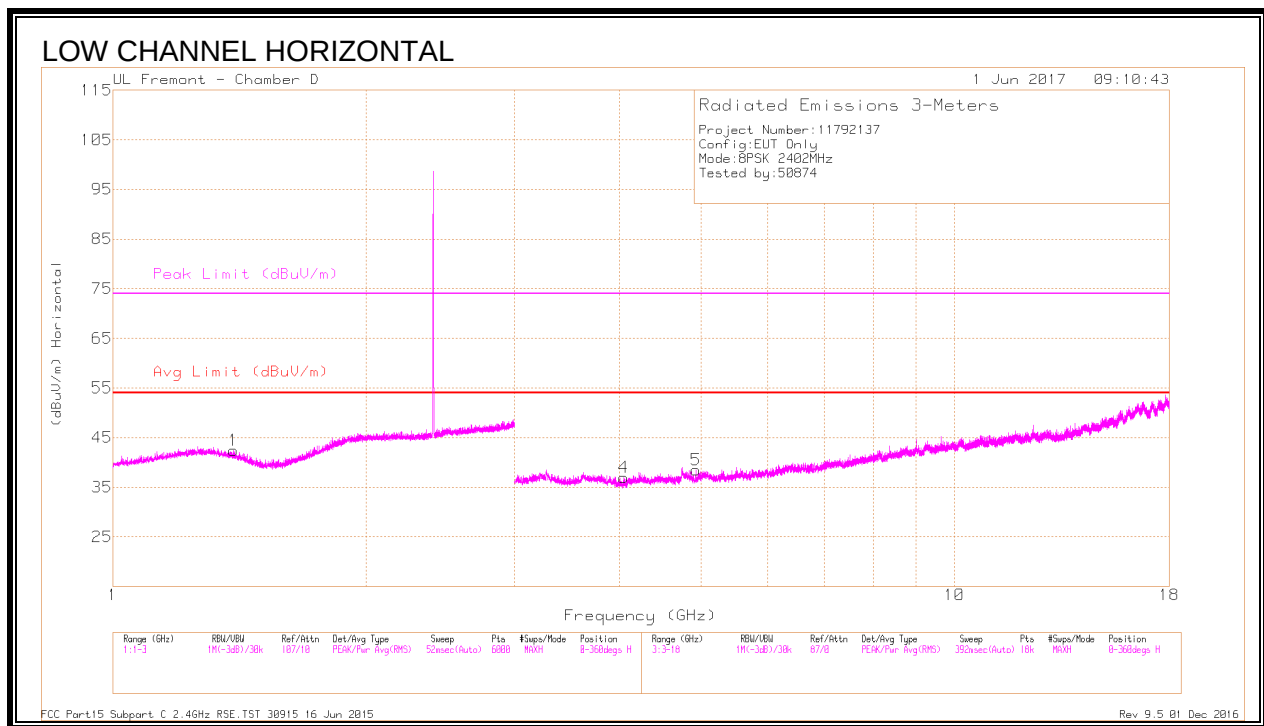
Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

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9.9.3. HARMONICS AND SPURIOUS EMISSIONS



DATA

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T120 (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	* 1.389	40.57	PKFH	29.5	-22.1	47.97	-	-	74	-26.03	294	197	H
	* 1.388	28.67	VA1T	29.5	-22.1	36.07	54	-17.93	-	-	294	197	H
2	* 1.515	35.47	PKFH	27.4	-21.9	40.97	-	-	74	-33.03	245	101	V
	* 1.515	28.20	VA1T	27.4	-21.9	33.70	54	-20.3	-	-	245	125	V
3	* 2.779	40.98	PKFH	32.9	-20.3	53.58	-	-	74	-20.42	69	166	V
	* 2.778	28.56	VA1T	32.9	-20.3	41.16	54	-12.84	-	-	69	166	V
4	* 4.047	38	PKFH	33.8	-28.5	43.3	-	-	74	-30.7	241	269	H
	* 4.047	25.39	VA1T	33.8	-28.5	30.69	54	-23.31	-	-	241	269	H
5	* 4.93	37.01	PKFH	34.2	-28	43.21	-	-	74	-30.79	231	255	H
	* 4.926	25.05	VA1T	34.2	-27.8	31.45	54	-22.55	-	-	231	255	H
6	4.417	36.69	PKFH	33.9	-27.6	42.99	-	-	-	-	86	101	V
	4.418	25.03	VA1T	33.9	-27.6	31.33	-	-	-	-	86	101	V

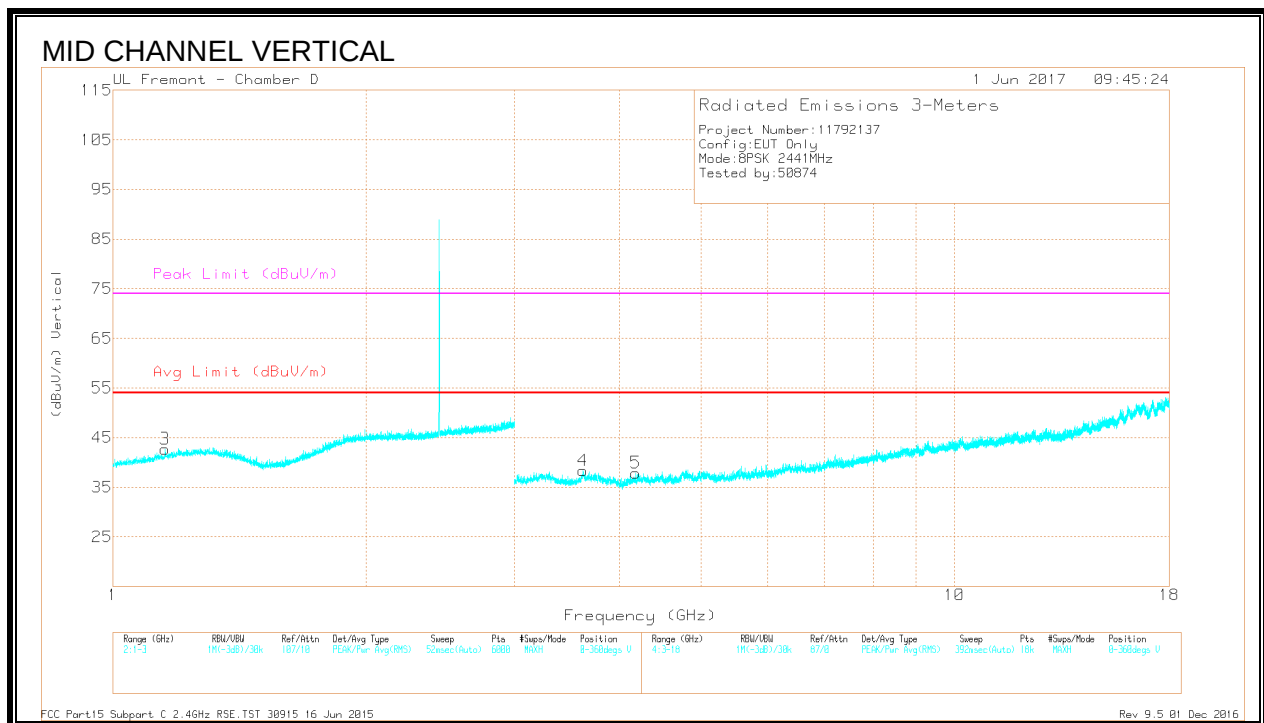
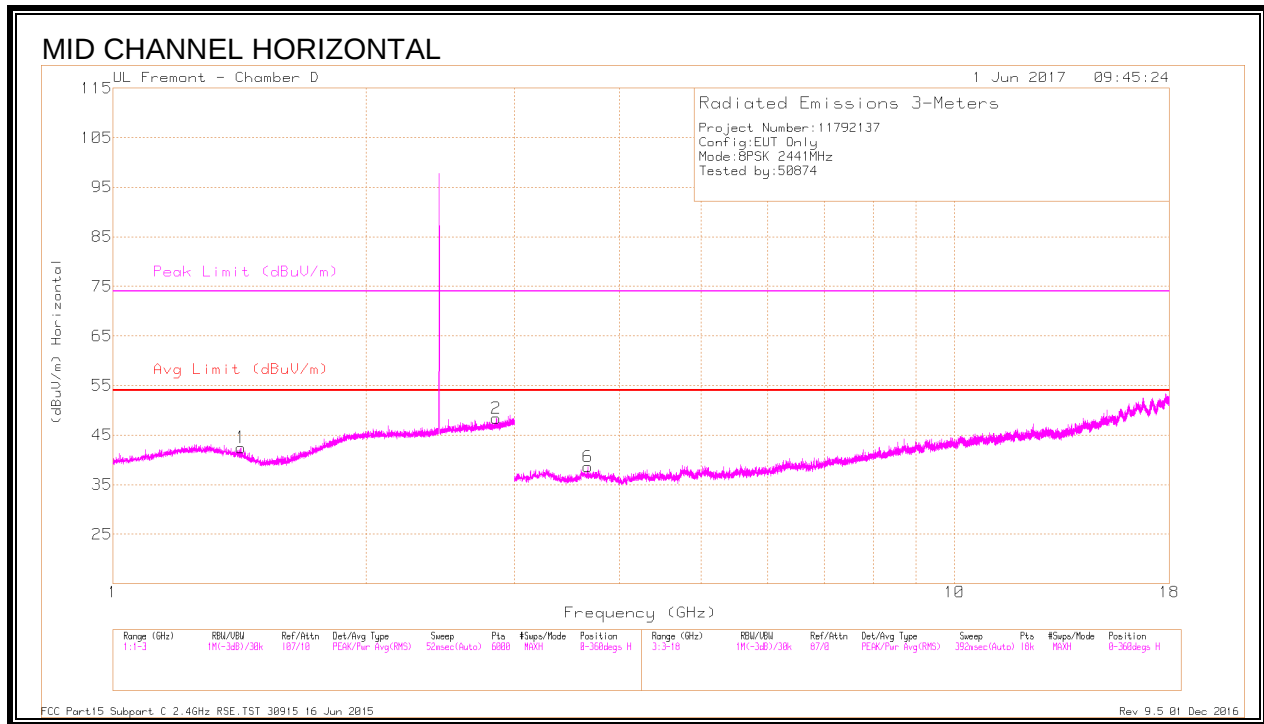
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

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DATA

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T120 (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	* 1.419	40.38	PKFH	29	-22.1	47.28	-	-	74	-26.72	193	153	H
	* 1.418	28.7	VA1T	29	-22.1	35.6	54	-18.4	-	-	193	153	H
2	* 2.855	40.16	PKFH	33.1	-20.3	52.96	-	-	74	-21.04	70	367	H
	* 2.855	28.35	VA1T	33.1	-20.3	41.15	54	-12.85	-	-	70	367	H
3	* 1.153	40.7	PKFH	29.6	-22.4	47.9	-	-	74	-26.1	173	275	V
	* 1.154	28.83	VA1T	29.6	-22.4	36.03	54	-17.97	-	-	173	275	V
6	* 3.667	38.5	PKFH	33.9	-29.1	43.3	-	-	74	-30.7	332	169	H
	* 3.67	26.09	VA1T	33.9	-29.1	30.89	54	-23.11	-	-	332	169	H
4	* 3.615	37.25	PKFH	34.1	-28.3	43.05	-	-	74	-30.95	244	312	V
	* 3.617	25.52	VA1T	34.1	-28.4	31.22	54	-22.78	-	-	244	312	V
5	* 4.181	38.05	PKFH	33.6	-27.9	43.75	-	-	74	-30.25	184	298	V
	* 4.183	25.02	VA1T	33.6	-27.8	30.82	54	-23.18	-	-	184	298	V

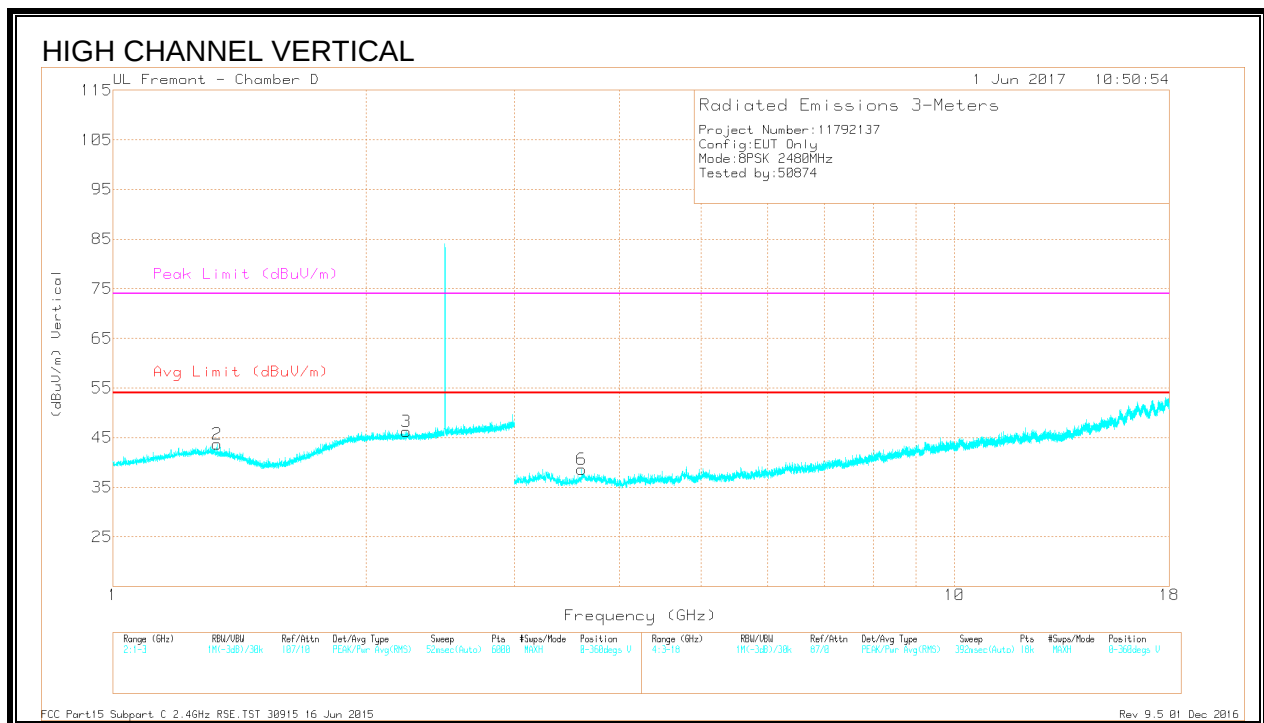
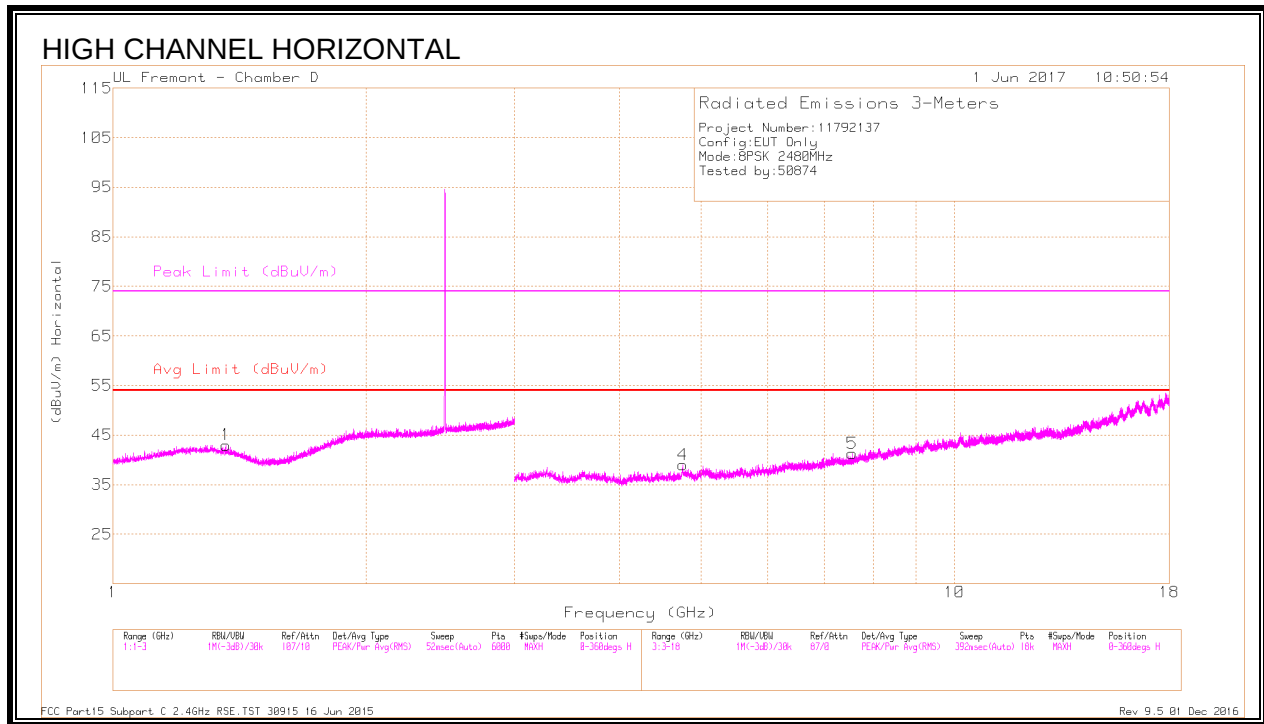
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

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DATA

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T120 (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	* 1.361	40.61	PKFH	29.7	-22.2	48.11	-	-	74	-25.89	280	194	H
	* 1.363	28.77	VA1T	29.7	-22.2	36.27	54	-17.73	-	-	280	194	H
2	* 1.328	41.49	PKFH	30.1	-22.2	49.39	-	-	74	-24.61	136	373	V
	* 1.328	28.75	VA1T	30	-22.2	36.55	54	-17.45	-	-	136	373	V
3	* 2.232	40.52	PKFH	32.2	-20.9	51.82	-	-	74	-22.18	73	332	V
	* 2.231	28.56	VA1T	32.2	-20.9	39.86	54	-14.14	-	-	73	332	V
4	* 4.757	37.41	PKFH	34.2	-26.6	45.01	-	-	74	-28.99	2	201	H
	* 4.755	25.35	VA1T	34.2	-26.6	32.95	54	-21.05	-	-	2	201	H
5	* 7.557	35.36	PKFH	36.6	-24.8	47.16	-	-	74	-26.84	179	311	H
	* 7.56	22.93	VA1T	36.6	-24.7	34.83	54	-19.17	-	-	179	311	H
6	* 3.605	37.43	PKFH	34.1	-28.3	43.23	-	-	74	-30.77	290	124	V
	* 3.605	25.23	VA1T	34.1	-28.4	30.93	54	-23.07	-	-	290	124	V

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

PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

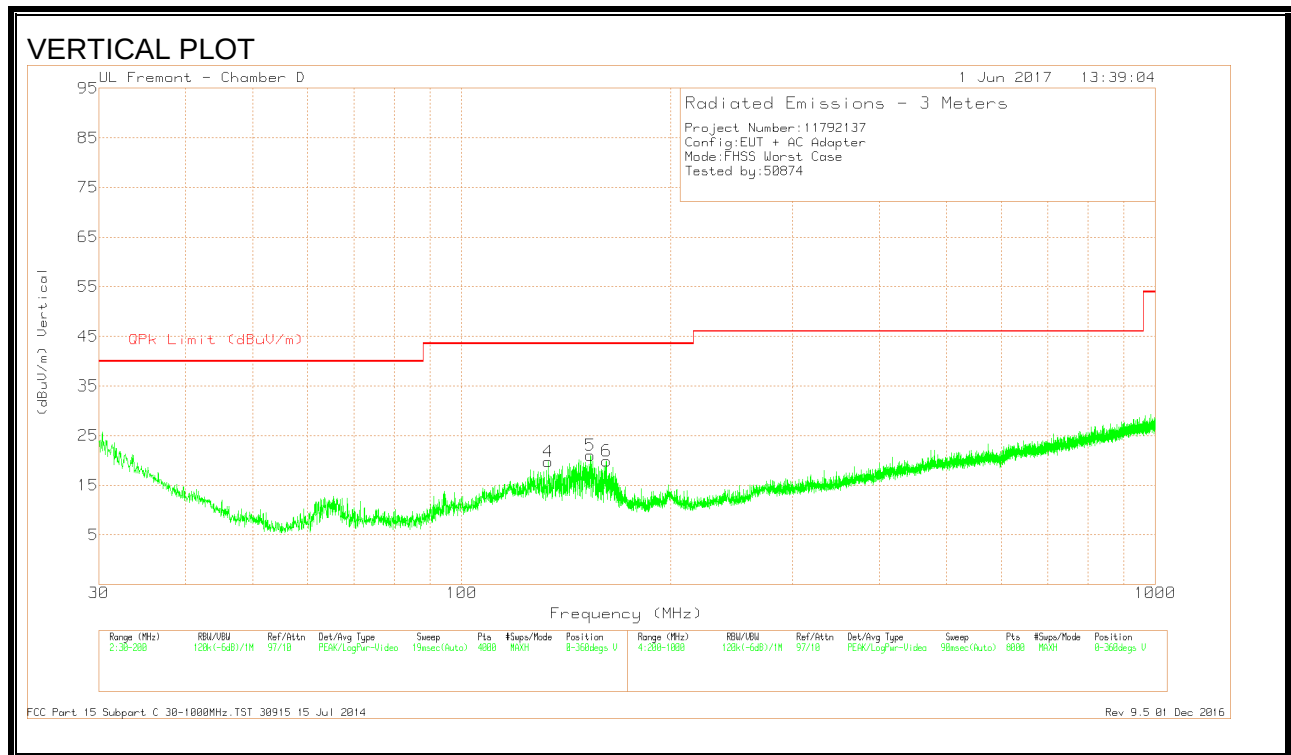
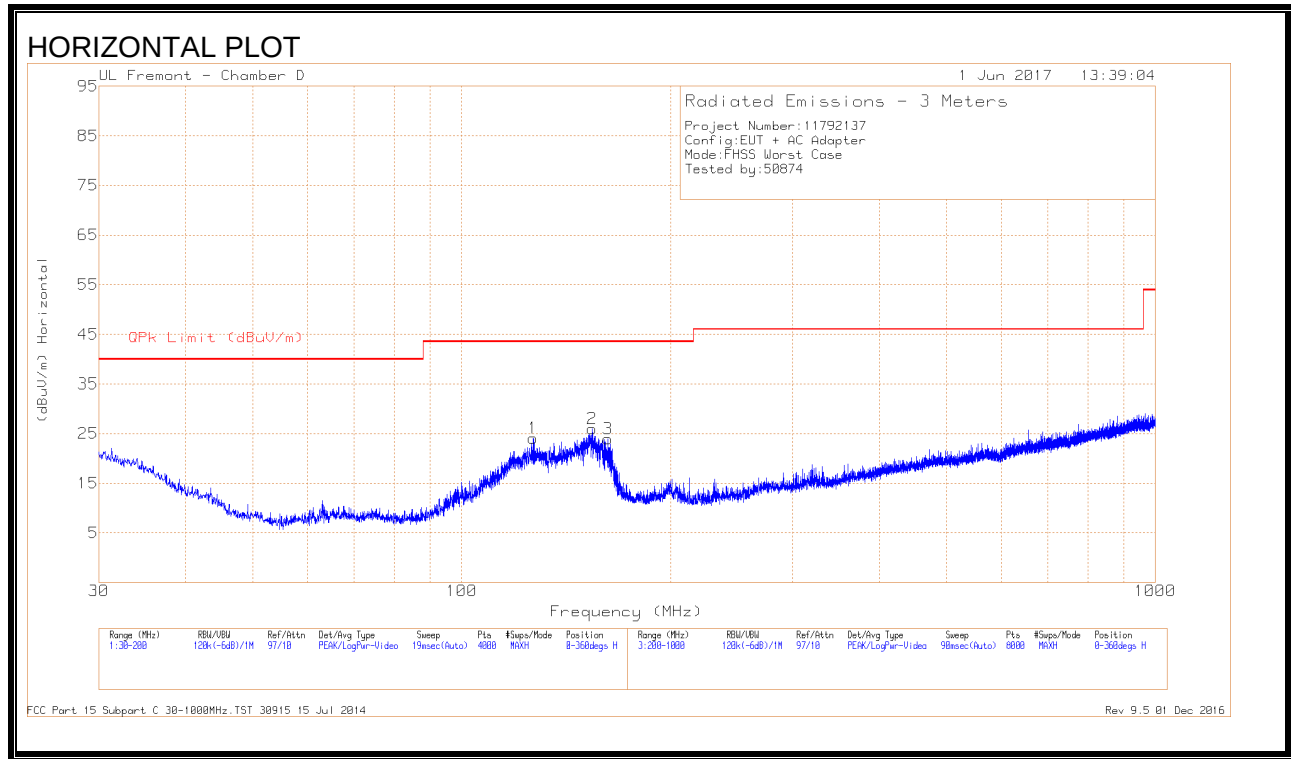
VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

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9.10. WORST-CASE BELOW 1 GHz

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



DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T243 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 126.8826	37.17	Pk	18.1	-31.2	24.07	43.52	-19.45	0-360	199	H
3	* 162.6343	38.99	Pk	16	-31	23.99	43.52	-19.53	0-360	199	H
4	* 133.3442	33.16	Pk	17.7	-31.1	19.76	43.52	-23.76	0-360	100	V
5	153.4094	35.78	Pk	16.3	-31	21.08	43.52	-22.44	0-360	100	V
2	154.2597	40.63	Pk	16.3	-31	25.93	43.52	-17.59	0-360	199	H
6	161.6566	34.8	Pk	16.1	-31	19.9	43.52	-23.62	0-360	100	V

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

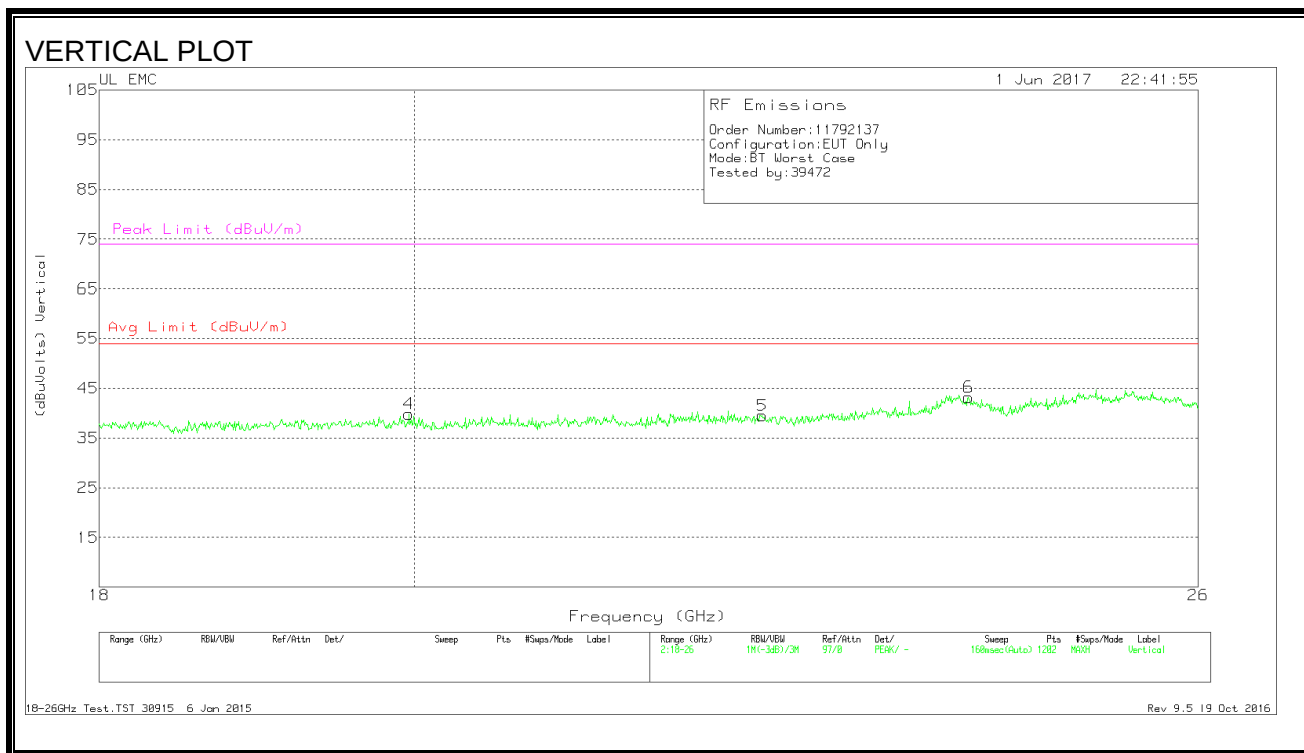
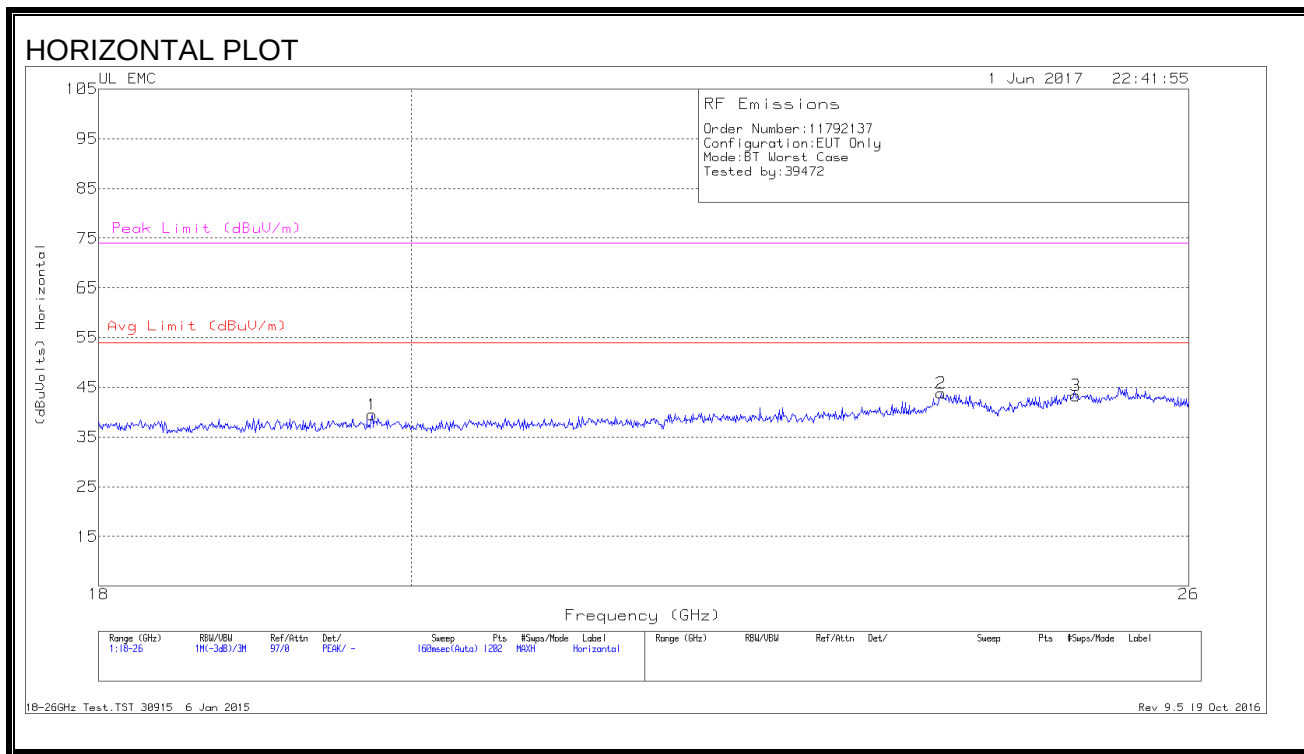
Pk - Peak detector

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

Rev 9.5 01 Dec 2016

9.11. WORST-CASE ABOVE 18 GHz

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



Data

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	T447 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Correcte d Reading (dBuVOLT s)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)
1	19.739	41.1	Pk	32.8	-24.9	-9.5	39.5	54	-14.5	74	-34.5
2	23.915	43.13	Pk	34.1	-23.9	-9.5	43.83	54	-10.17	74	-30.17
3	25.027	43.13	Pk	34.4	-24.7	-9.5	43.33	54	-10.67	74	-30.67
4	19.965	41.63	Pk	32.8	-25.1	-9.5	39.83	54	-14.17	74	-34.17
5	22.47	40.3	Pk	33.5	-24.8	-9.5	39.5	54	-14.5	74	-34.5
6	24.075	42.87	Pk	34.2	-24.4	-9.5	43.17	54	-10.83	74	-30.83

Pk - Peak detector

18-26GHz Test.TST 30915 6 Jan 2015

Rev 9.5 19 Oct 2016

10. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

RSS-Gen 8.8

Frequency of Emission (MHz)	Conducted Limit (dB μ V)	
	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.

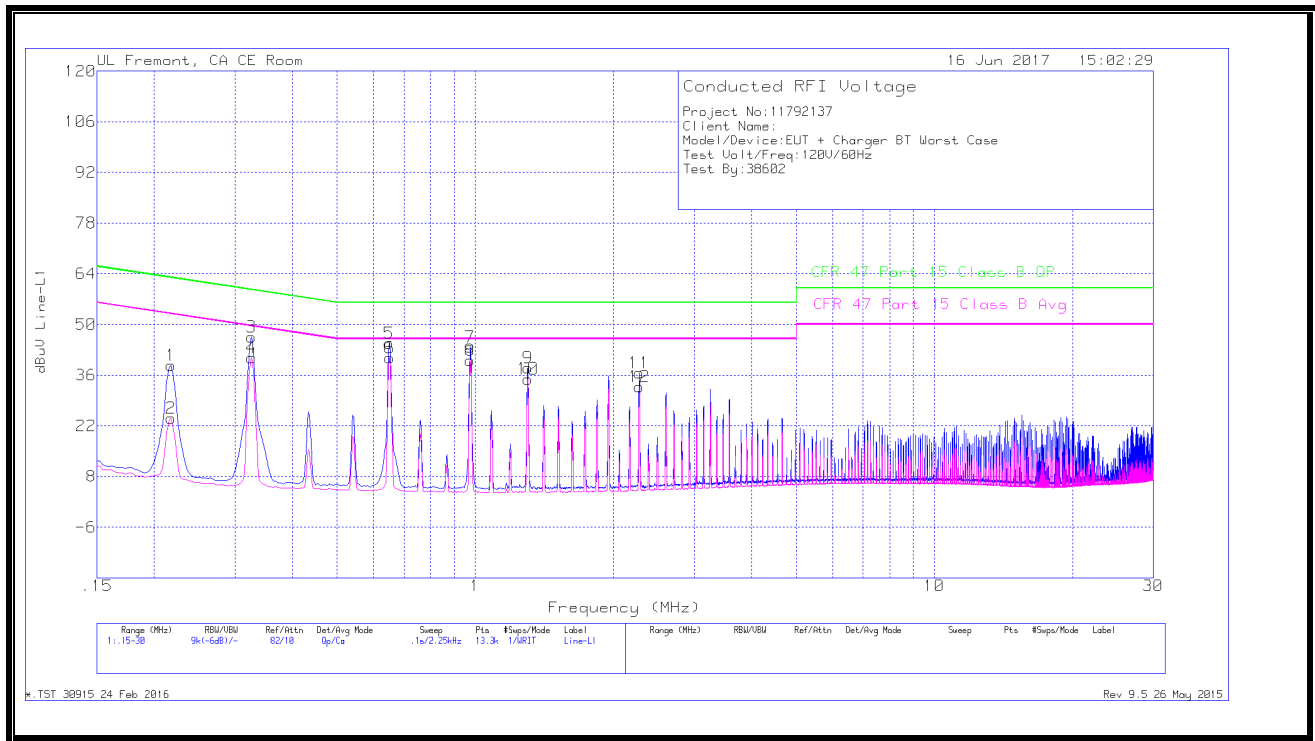
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

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

LINE 1 RESULTS



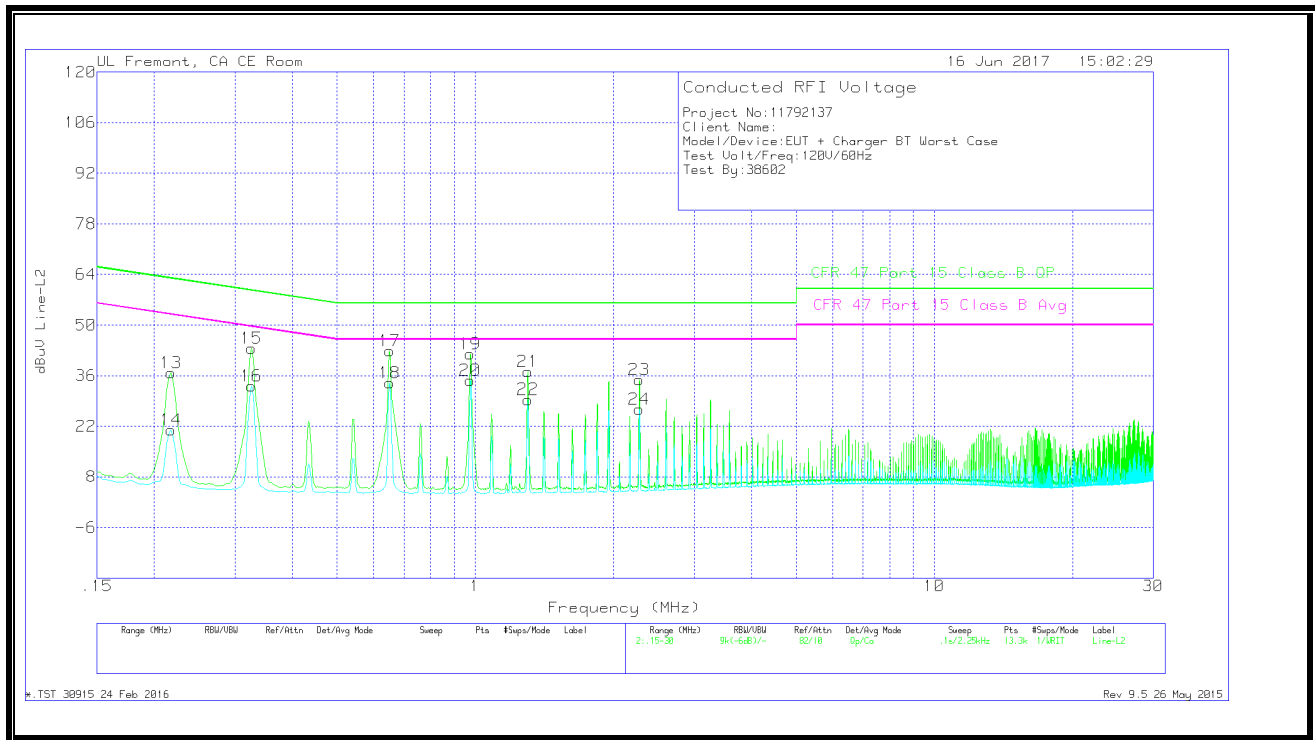
WORST EMISSIONS

Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL 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	.2175	27.79	Qp	.8	0	10.1	38.69	62.91	-24.22	-	-
2	.2175	13.13	Ca	.8	0	10.1	24.03	-	-	52.91	-28.88
3	.3255	35.86	Qp	.5	.1	10.1	46.56	59.57	-13.01	-	-
4	.3255	30.11	Ca	.5	.1	10.1	40.81	-	-	49.57	-8.76
5	.6495	34.32	Qp	.3	.1	10.1	44.82	56	-11.18	-	-
6	.65175	30.27	Ca	.3	.1	10.1	40.77	-	-	46	-5.23
7	.97575	33.33	Qp	.2	.1	10.1	43.73	56	-12.27	-	-
8	.97575	29.67	Ca	.2	.1	10.1	40.07	-	-	46	-5.93
9	1.302	27.62	Qp	.2	.1	10.1	38.02	56	-17.98	-	-
10	1.302	24.56	Ca	.2	.1	10.1	34.96	-	-	46	-11.04
11	2.27625	26.27	Qp	.2	.1	10.1	36.67	56	-19.33	-	-
12	2.27625	22.41	Ca	.2	.1	10.1	32.81	-	-	46	-13.19

Qp - Quasi-Peak detector

Ca - CISPR average detection

LINE 2 RESULTS



WORST EMISSIONS

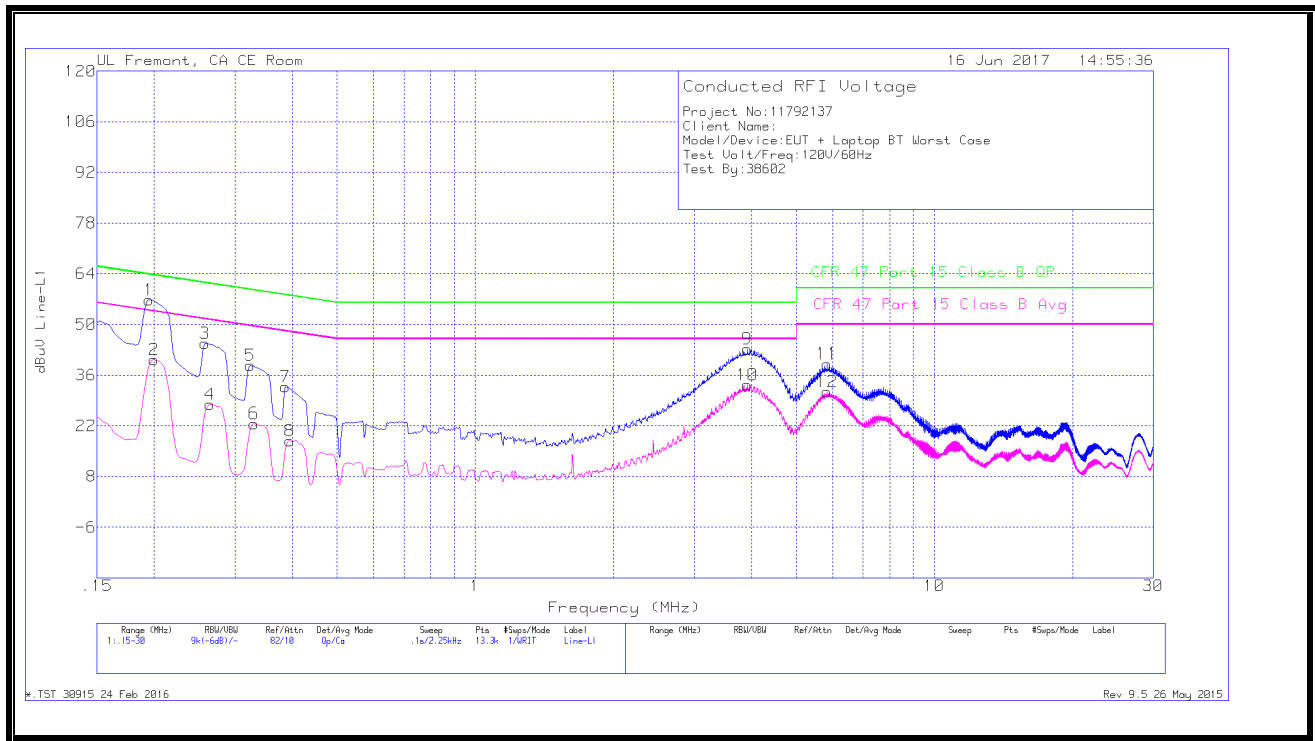
Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L2	LC Cables C2&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR) Margin (dB)
13	.2175	25.84	Qp	.9	0	10.1	36.84	62.91	-26.07	-	-
14	.2175	9.92	Ca	.9	0	10.1	20.92	-	-	52.91	-31.99
15	.3255	32.91	Qp	.5	.1	10.1	43.61	59.57	-15.96	-	-
16	.3255	22.5	Ca	.5	.1	10.1	33.2	-	-	49.57	-16.37
17	.65175	32.35	Qp	.3	.1	10.1	42.85	56	-13.15	-	-
18	.65175	23.43	Ca	.3	.1	10.1	33.93	-	-	46	-12.07
19	.97575	31.56	Qp	.3	.1	10.1	42.06	56	-13.94	-	-
20	.97575	24.22	Ca	.3	.1	10.1	34.72	-	-	46	-11.28
21	1.302	26.69	Qp	.2	.1	10.1	37.09	56	-18.91	-	-
22	1.302	19	Ca	.2	.1	10.1	29.4	-	-	46	-16.6
23	2.2785	24.41	Qp	.2	.1	10.1	34.81	56	-21.19	-	-
24	2.2785	16.28	Ca	.2	.1	10.1	26.68	-	-	46	-19.32

Qp - Quasi-Peak detector

Ca - CISPR average detection

10.2. EUT POWERED BY HOST PC VIA USB CABLE

LINE 1 RESULTS



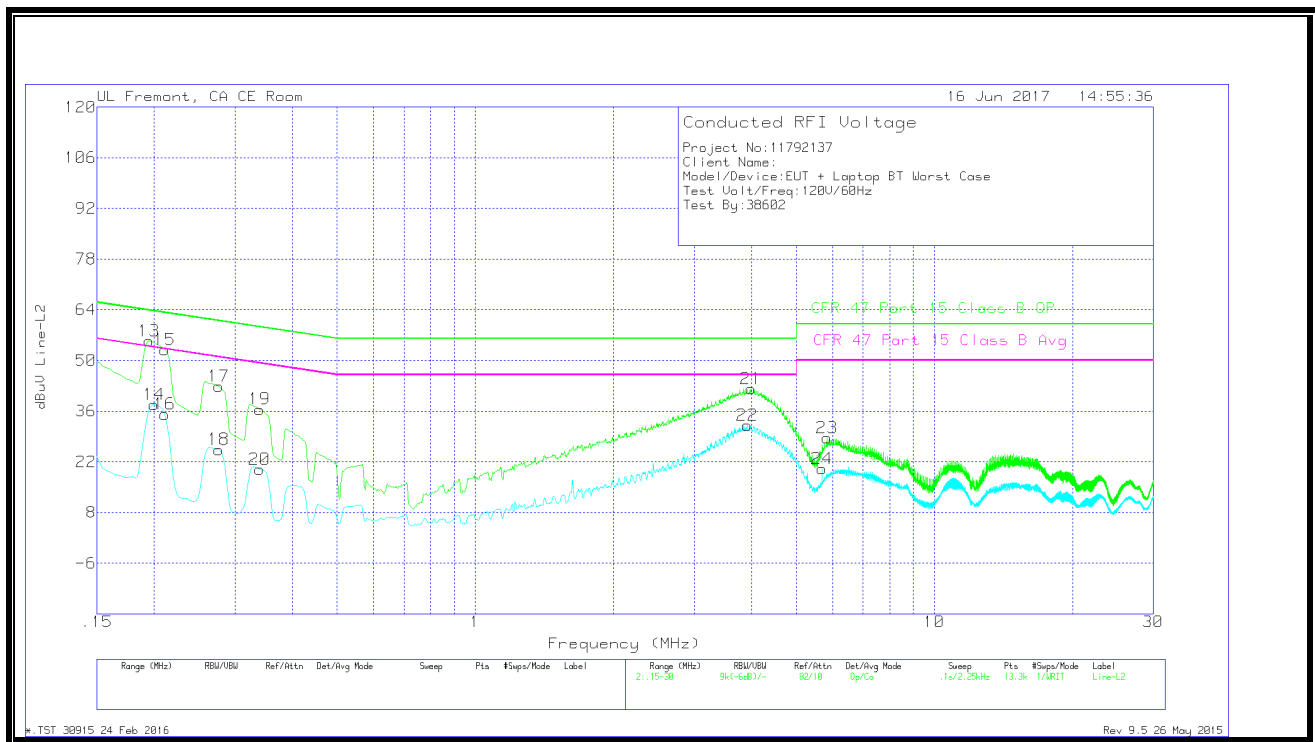
WORST EMISSIONS

Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL 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	.195	45.74	Qp	.9	.1	10.1	56.84	63.82	-6.98	-	-
2	.1995	29.15	Ca	.9	.1	10.1	40.25	-	-	53.63	-13.38
3	.258	34.02	Qp	.6	.1	10.1	44.82	61.5	-16.68	-	-
4	.26475	17.2	Ca	.6	.1	10.1	28	-	-	51.28	-23.28
5	.32325	28.05	Qp	.5	.1	10.1	38.75	59.62	-20.87	-	-
6	.33	11.92	Ca	.5	.1	10.1	22.62	-	-	49.45	-26.83
7	.38625	22.24	Qp	.4	.1	10.1	32.84	58.14	-25.3	-	-
8	.39412	7.17	Ca	.4	.1	10.1	17.77	-	-	47.98	-30.21
9	3.91425	32.76	Qp	.2	.1	10.1	43.16	56	-12.84	-	-
10	3.91425	22.84	Ca	.2	.1	10.1	33.24	-	-	46	-12.76
11	5.838	28.63	Qp	.2	.1	10.2	39.13	60	-20.87	-	-
12	5.838	20.87	Ca	.2	.1	10.2	31.37	-	-	50	-18.63

Qp - Quasi-Peak detector

Ca - CISPR average detection

LINE 2 RESULTS



WORST EMISSIONS

Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL 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	.195	44.2	Qp	1	.1	10.1	55.4	63.82	-8.42	-	-
14	.1995	26.7	Ca	1	.1	10.1	37.9	-	-	53.63	-15.73
15	.21075	41.96	Qp	.9	0	10.1	52.96	63.18	-10.22	-	-
16	.21075	24.14	Ca	.9	0	10.1	35.14	-	-	53.18	-18.04
17	.276	32	Qp	.7	0	10.1	42.8	60.94	-18.14	-	-
18	.276	14.6	Ca	.7	0	10.1	25.4	-	-	50.94	-25.54
19	.339	25.83	Qp	.5	.1	10.1	36.53	59.23	-22.7	-	-
20	.339	9.21	Ca	.5	.1	10.1	19.91	-	-	49.23	-29.32
21	3.98625	31.84	Qp	.2	.1	10.1	42.24	56	-13.76	-	-
22	3.912	21.76	Ca	.2	.1	10.1	32.16	-	-	46	-13.84
23	5.83575	18.12	Qp	.2	.1	10.2	28.62	60	-31.38	-	-
24	5.69625	9.64	Ca	.2	.1	10.1	20.04	-	-	50	-29.96

Qp - Quasi-Peak detector

Ca - CISPR average detection