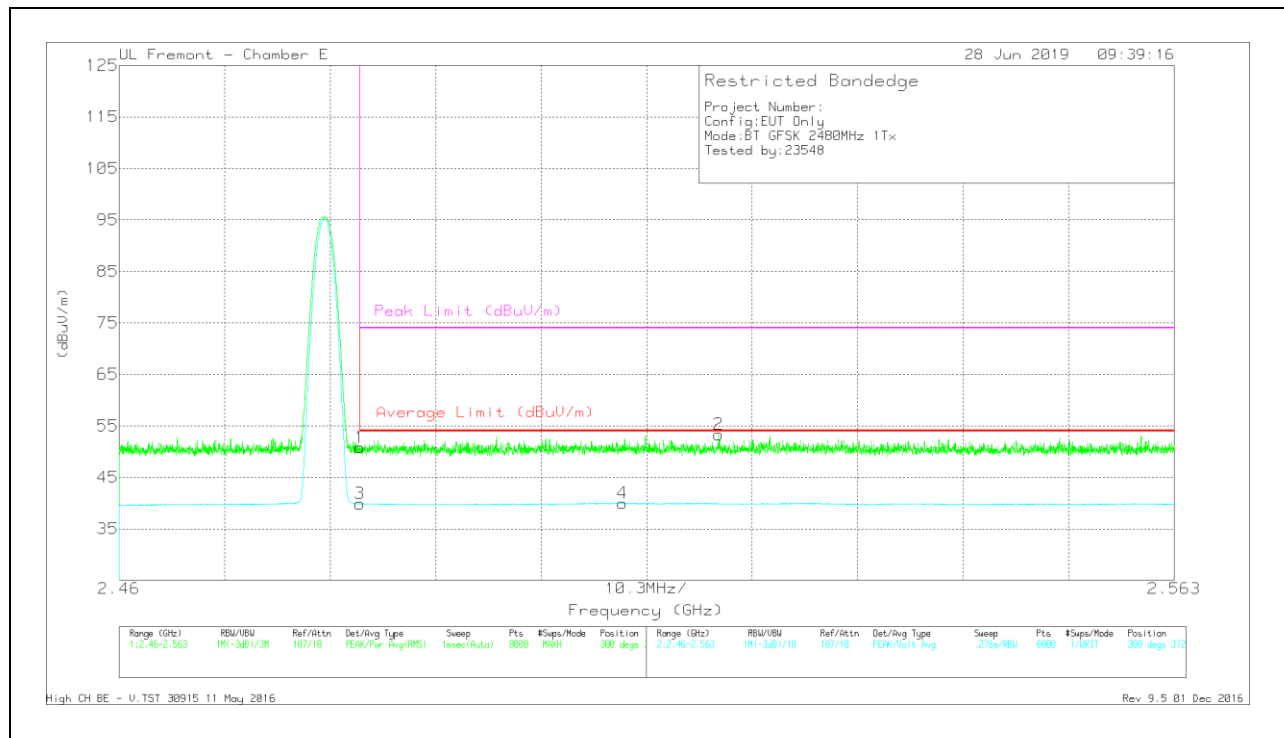


VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT119 (dB/m)	Amp/Cbl/Ftr/Pa d (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	44.29	Pk	32.8	-26.3	50.79	-	-	74	-23.21	300	372	V
3	* 2.484	33.39	VA1T	32.8	-26.3	39.89	54	-14.11	-	-	300	372	V
4	2.509	33.27	VA1T	32.9	-26.2	39.97	54	-14.03	-	-	300	372	V
2	2.519	46.63	Pk	32.9	-26.2	53.33	-	-	74	-20.67	300	372	V

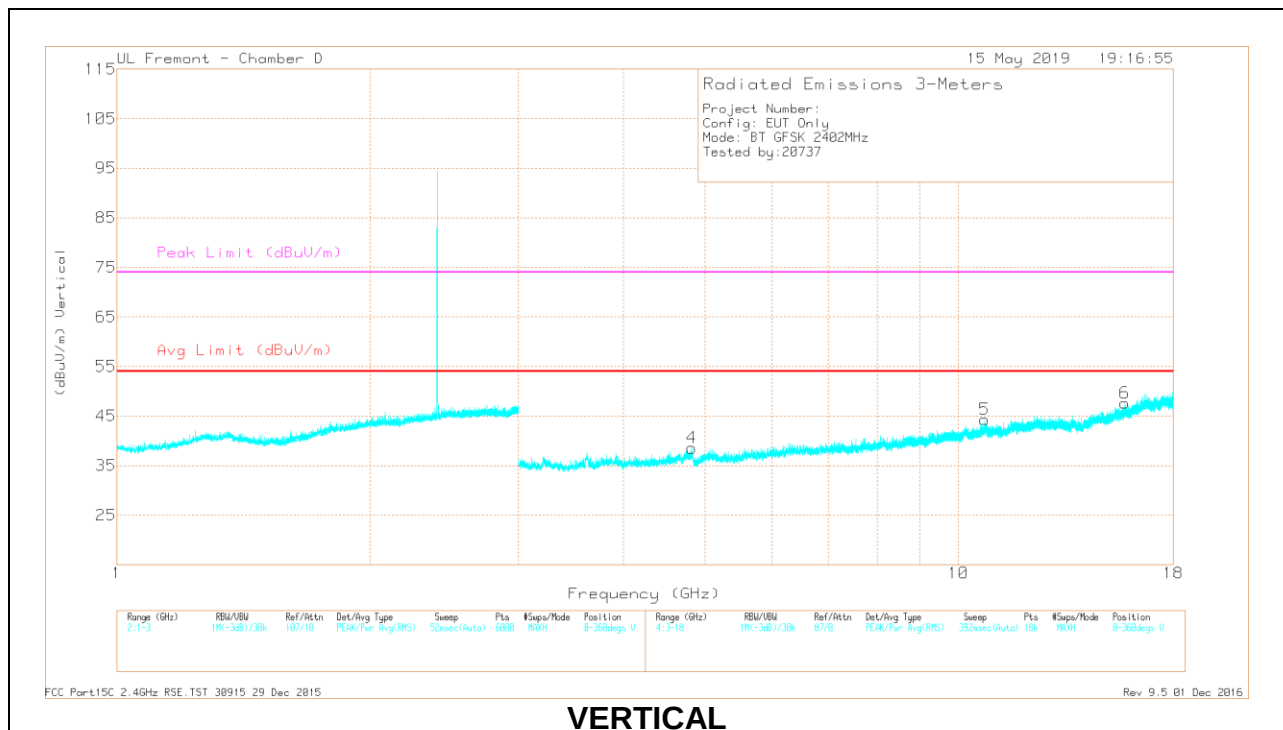
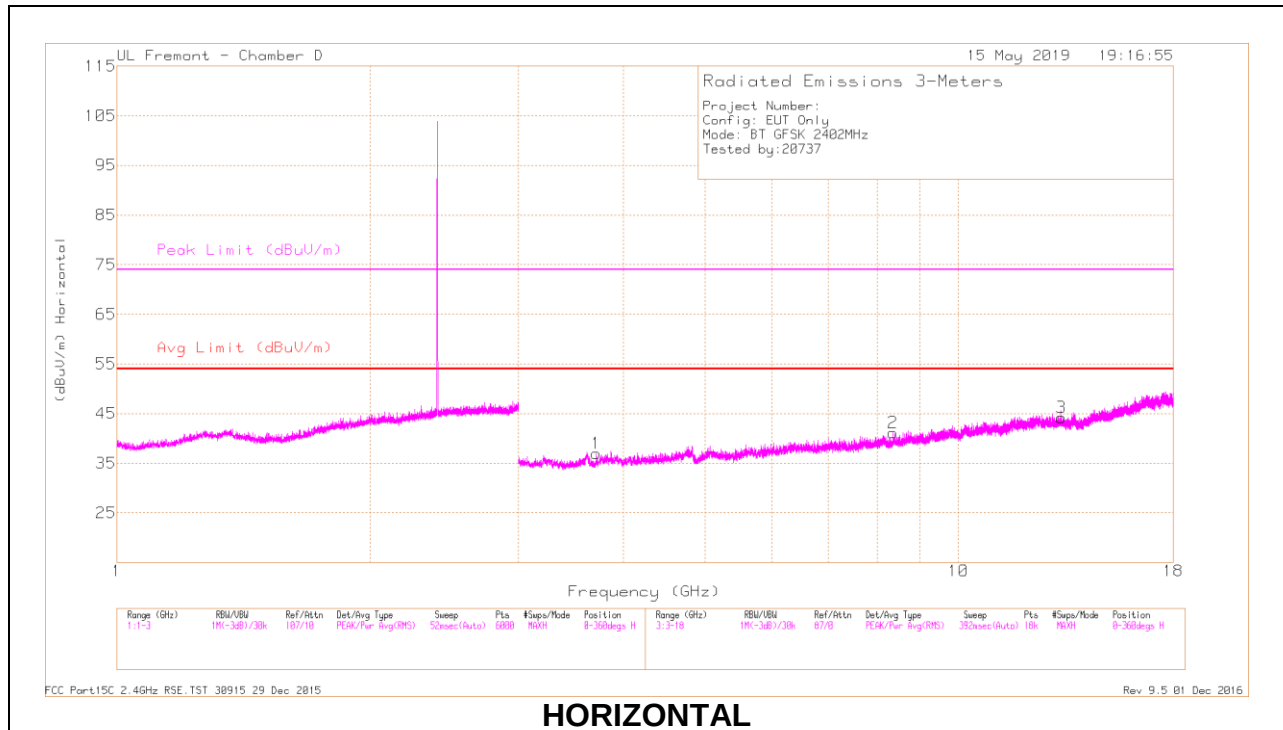
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average $V_B = 1/T_{on}$ where: T_{on} is transmit duration

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

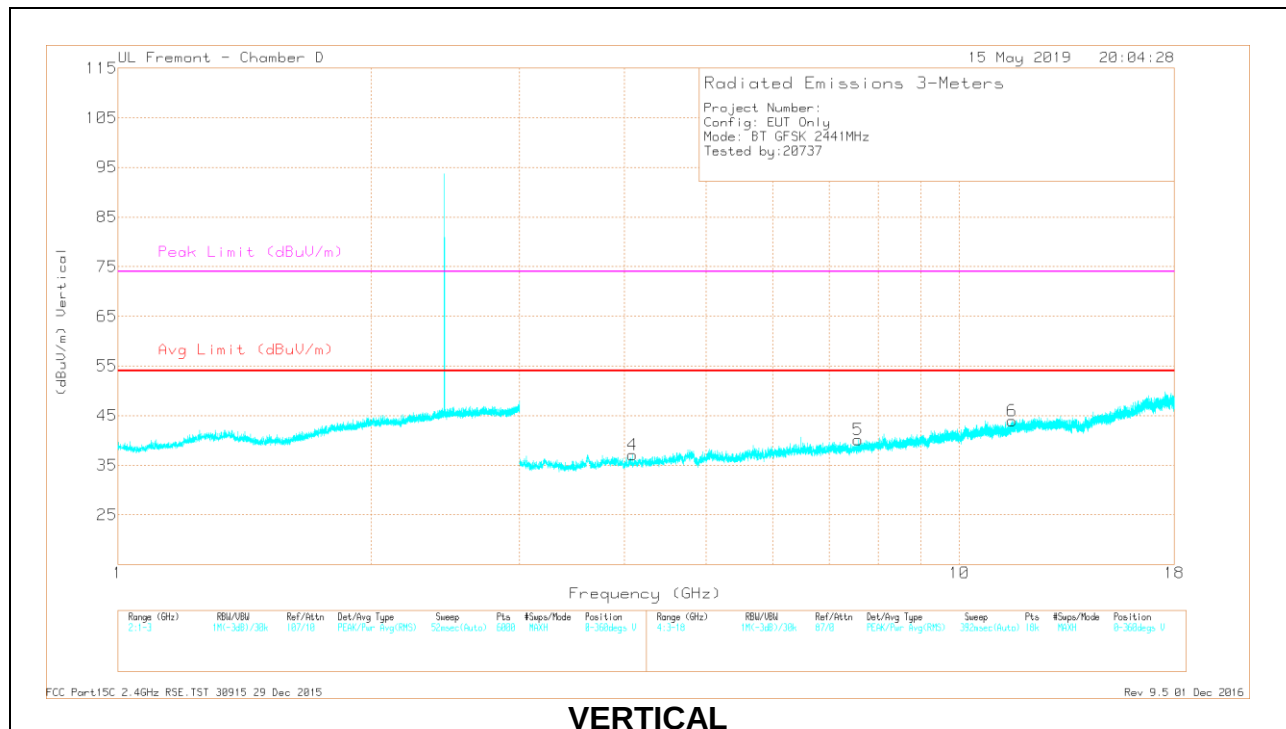
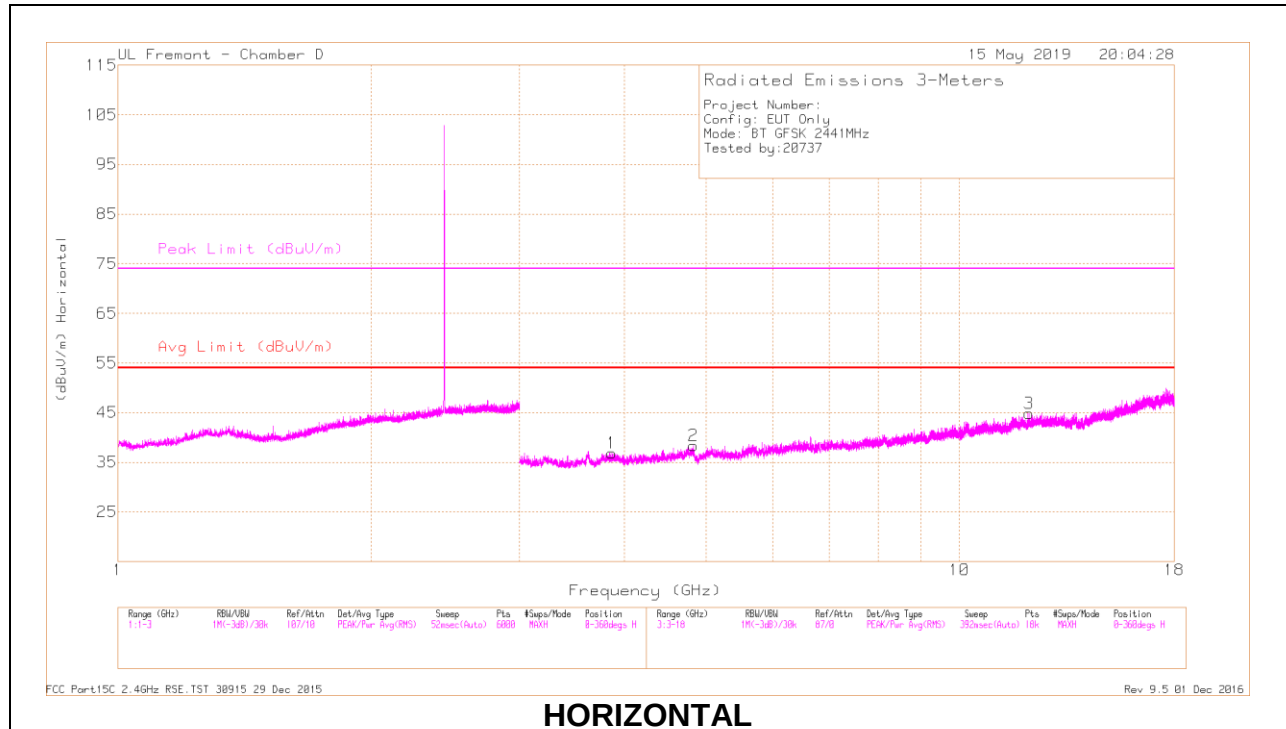
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.715	38.57	PKFH	33	-28.6	42.97	-	-	74	-31.03	360	153	H
	* 3.717	26.25	VA1T	33	-28.5	30.75	54	-23.25	-	-	360	153	H
2	* 8.353	34.6	PKFH	35.8	-23.4	47	-	-	74	-27	319	194	H
	* 8.354	21.02	VA1T	35.8	-23.4	33.42	54	-20.58	-	-	319	194	H
3	* 13.261	35.27	PKFH	39	-22.9	51.37	-	-	74	-22.63	189	201	H
	* 13.258	21.08	VA1T	39	-23	37.08	54	-16.92	-	-	189	201	H
4	* 4.821	37.32	PKFH	34	-27.1	44.22	-	-	74	-29.78	253	168	V
	* 4.822	25.37	VA1T	34	-27.2	32.17	54	-21.83	-	-	253	168	V
5	* 10.745	33.78	PKFH	37.8	-21.1	50.48	-	-	74	-23.52	184	234	V
	* 10.746	17.75	VA1T	37.8	-21.1	34.45	54	-19.55	-	-	184	234	V
6	* 15.77	33.8	PKFH	40.2	-20.7	53.3	-	-	74	-20.7	145	183	V
	* 15.771	19.14	VA1T	40.2	-20.7	38.64	54	-15.36	-	-	145	183	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

MID CHANNEL RESULTS



RADIATED EMISSIONS

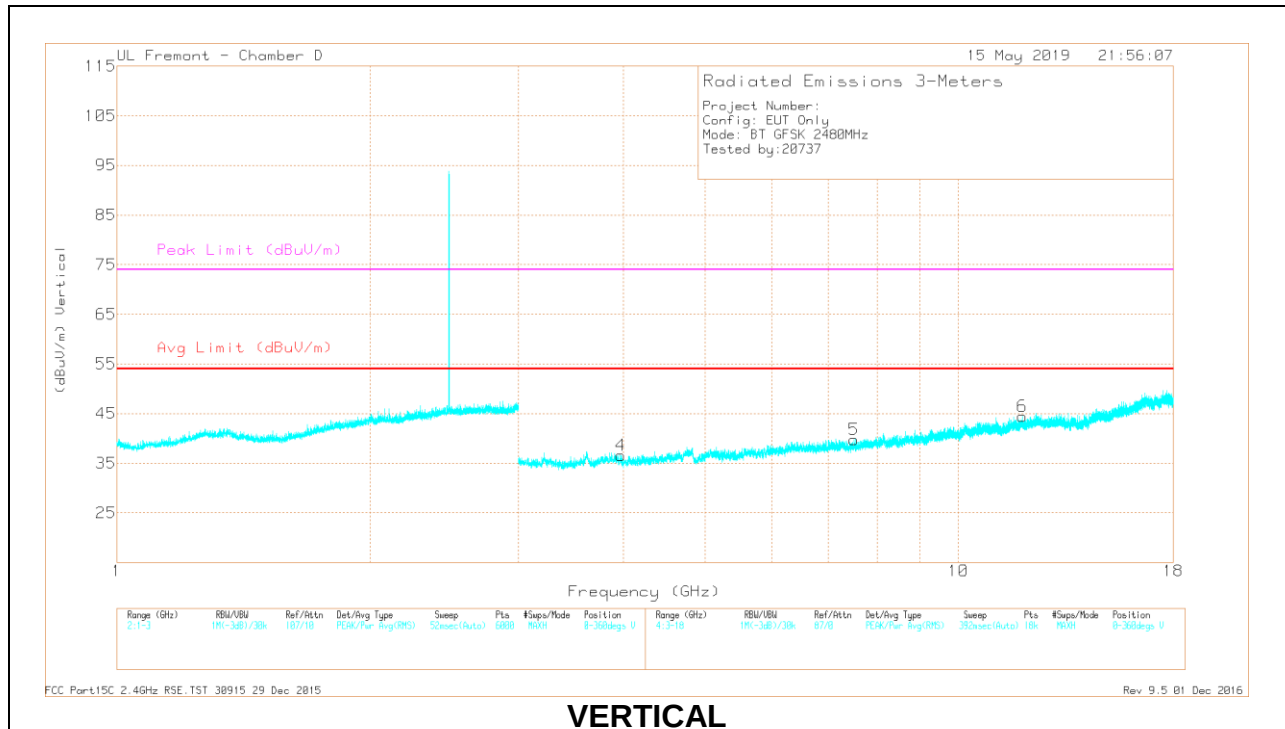
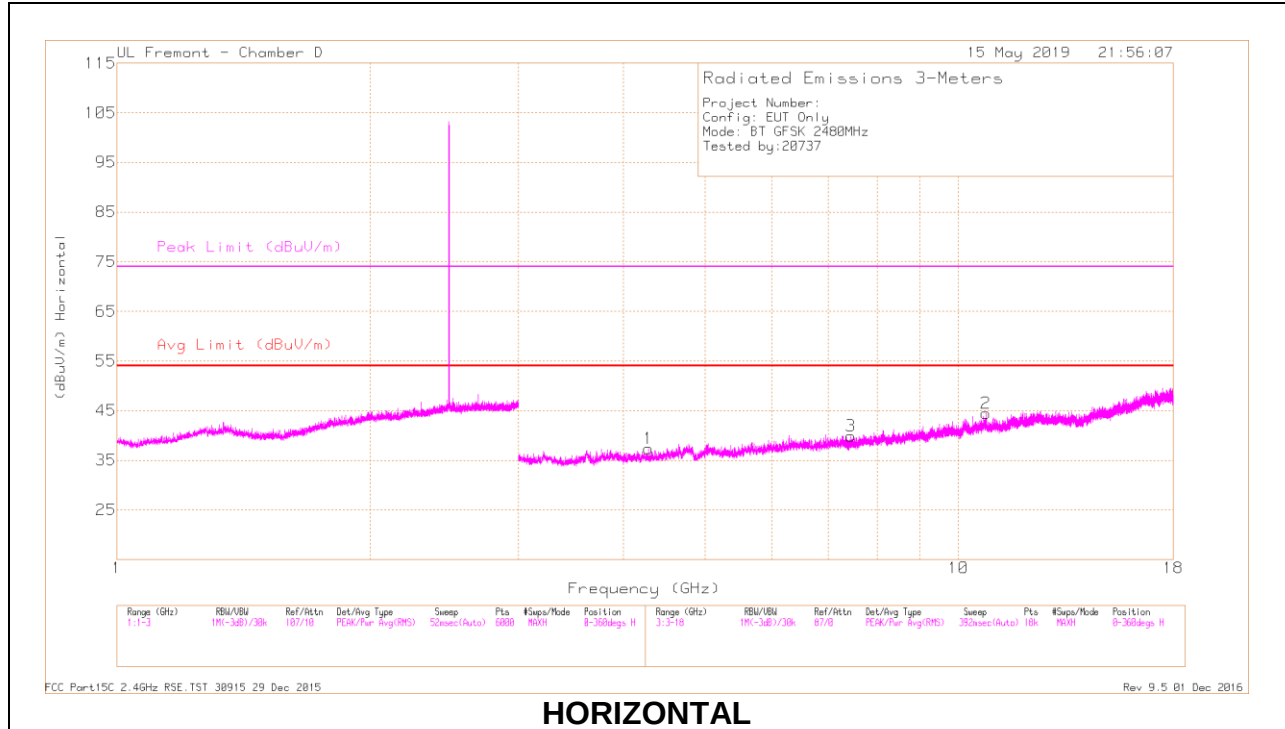
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.866	39.62	PKFH	33.3	-28.2	44.72	-	-	74	-29.28	79	146	H
	* 3.864	26.16	VA1T	33.3	-28.2	31.26	54	-22.74	-	-	79	146	H
2	* 4.832	37.91	PKFH	34	-27.3	44.61	-	-	74	-29.39	158	191	H
	* 4.832	25.32	VA1T	34	-27.3	32.02	54	-21.98	-	-	158	191	H
3	* 12.103	33.72	PKFH	38.7	-21.9	50.52	-	-	74	-23.48	232	280	H
	* 12.103	19	VA1T	38.7	-21.9	35.8	54	-18.2	-	-	232	280	H
4	* 4.087	36.82	PKFH	33.4	-27.9	42.32	-	-	74	-31.68	299	263	V
	* 4.09	24.87	VA1T	33.5	-27.9	30.47	54	-23.53	-	-	299	263	V
5	* 7.579	34.97	PKFH	35.5	-25.1	45.37	-	-	74	-28.63	328	131	V
	* 7.578	22.01	VA1T	35.5	-25.1	32.41	54	-21.59	-	-	328	131	V
6	* 11.549	33.64	PKFH	38.2	-21.2	50.64	-	-	74	-23.36	177	127	V
	* 11.549	18.42	VA1T	38.2	-21.2	35.42	54	-18.58	-	-	177	127	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

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (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	* 4.284	38.09	PKFH	33.4	-27.8	43.69	-	-	74	-30.31	48	179	H
	* 4.286	25.02	VA1T	33.4	-27.8	30.62	54	-23.38	-	-	48	179	H
2	* 10.773	32.98	PKFH	37.9	-20.8	50.08	-	-	74	-23.92	125	146	H
	* 10.773	17.67	VA1T	37.9	-20.8	34.77	54	-19.23	-	-	125	146	H
3	* 7.454	35.44	PKFH	35.5	-24.8	46.14	-	-	74	-27.86	174	227	H
	* 7.454	21.49	VA1T	35.5	-24.8	32.19	54	-21.81	-	-	174	227	H
4	* 3.97	38.49	PKFH	33.4	-28.2	43.69	-	-	74	-30.31	218	247	V
	* 3.97	25.54	VA1T	33.4	-28.2	30.74	54	-23.26	-	-	218	247	V
5	* 7.518	36.71	PKFH	35.5	-25	47.21	-	-	74	-26.79	293	258	V
	* 7.519	22.07	VA1T	35.5	-25	32.57	54	-21.43	-	-	293	258	V
6	* 11.901	32.8	PKFH	38.6	-21.1	50.3	-	-	74	-23.7	334	169	V
	* 11.904	18.8	VA1T	38.6	-21.2	36.2	54	-17.8	-	-	334	169	V

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

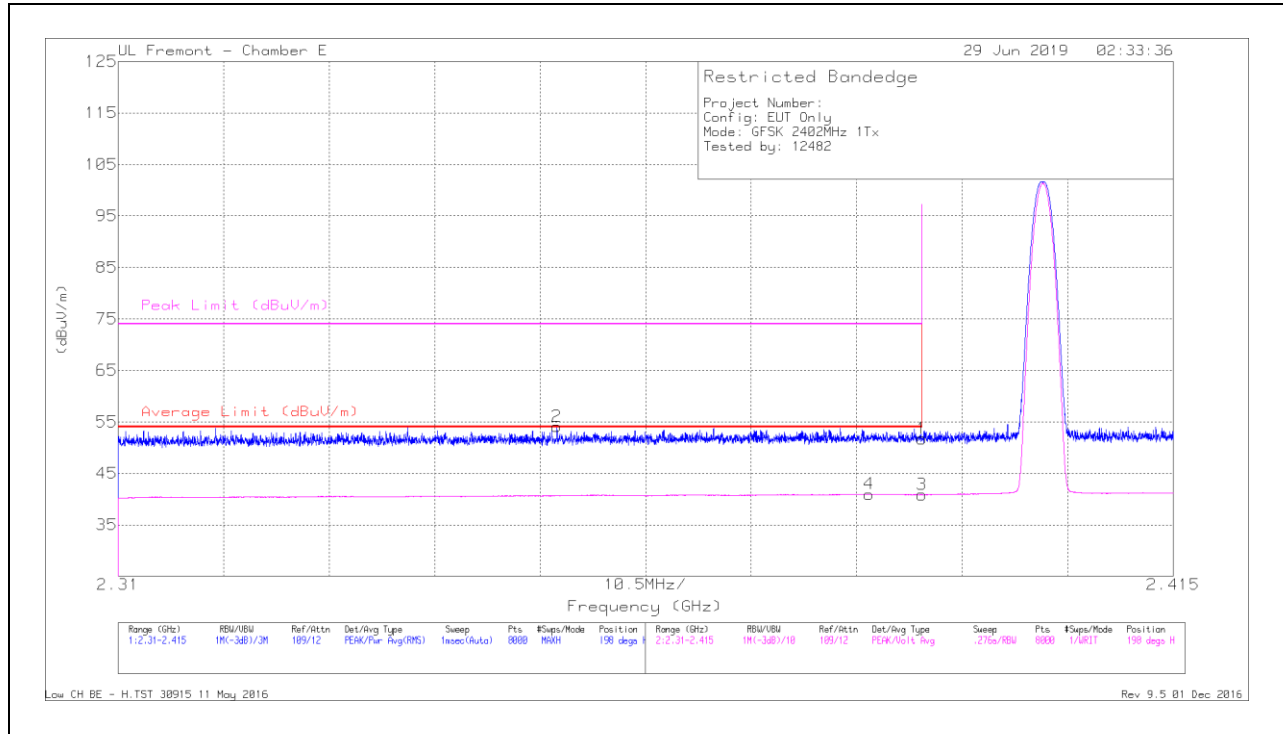
PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

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

9.1.6. ANTENNA 3, LOW POWER BASIC DATA RATE GFSK MODULATION

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



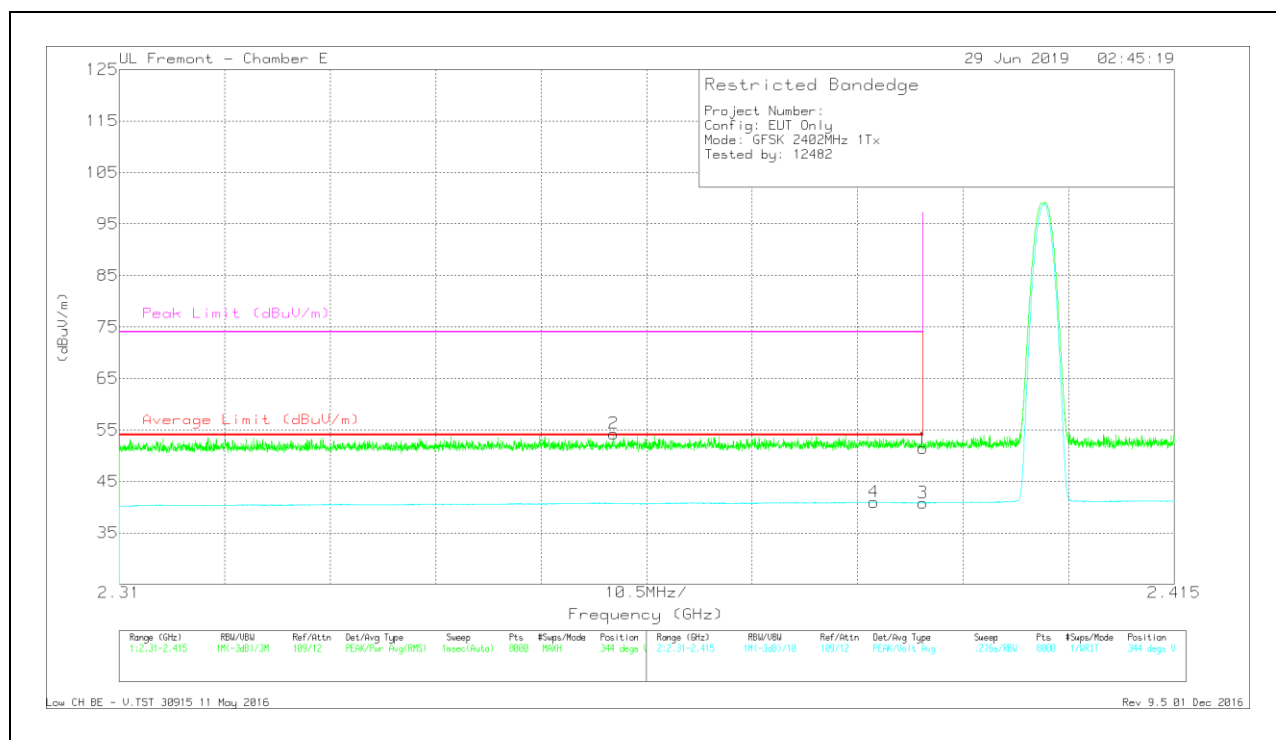
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	37.75	Pk	32.3	-18.3	51.75	-	-	74	-22.25	198	336	H
2	* 2.354	40.28	Pk	32	-18.2	54.08	-	-	74	-19.92	198	336	H
3	* 2.39	26.88	VA1T	32.3	-18.3	40.88	54	-13.12	-	-	198	336	H
4	* 2.385	26.88	VA1T	32.3	-18.2	40.98	54	-13.02	-	-	198	336	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

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT119 (dB/m)	Amp/Cbl/Ftr/Pa d (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	37.4	Pk	32.3	-18.3	51.4	-	-	74	-22.6	344	303	V
2	* 2.359	40.39	Pk	32.1	-18.2	54.29	-	-	74	-19.71	344	303	V
3	* 2.39	26.83	VA1T	32.3	-18.3	40.83	54	-13.17	-	-	344	303	V
4	* 2.385	26.89	VA1T	32.3	-18.2	40.99	54	-13.01	-	-	344	303	V

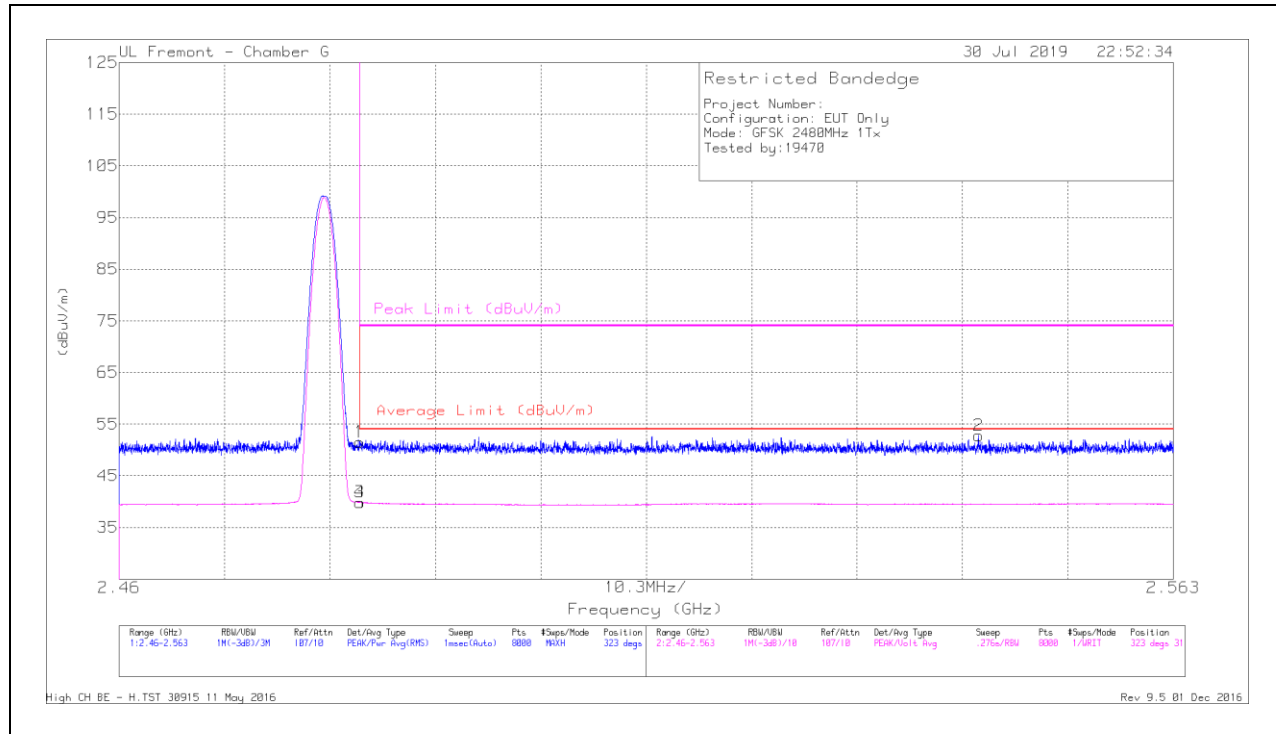
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average $V_B = 1/T_{on}$ where: T_{on} is transmit duration

BANDEGE (HIGH CHANNEL)

HORIZONTAL RESULT



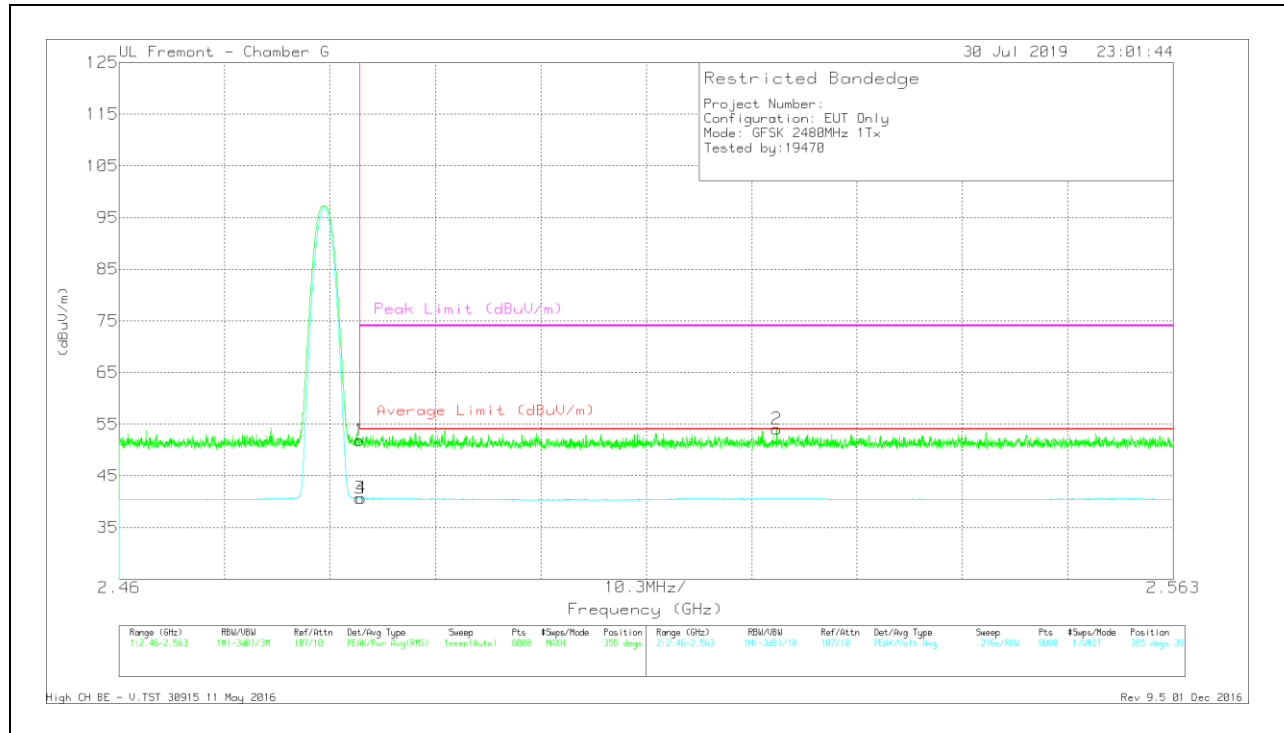
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	41.13	Pk	32.5	-22.1	51.53	-	-	74	-22.47	323	311	H
3	* 2.484	29.47	VA1T	32.5	-22.1	39.87	54	-14.13	-	-	323	311	H
4	* 2.484	29.47	VA1T	32.5	-22.1	39.87	54	-14.13	-	-	323	311	H
2	2.544	42.59	Pk	32.4	-22.2	52.79	-	-	74	-21.21	323	311	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

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (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	41.47	Pk	32.5	-22.1	51.87	-	-	74	-22.13	355	397	V
3	* 2.484	30.3	VA1T	32.5	-22.1	40.7	54	-13.3	-	-	355	397	V
4	* 2.484	30.3	VA1T	32.5	-22.1	40.7	54	-13.3	-	-	355	397	V
2	2.524	43.75	Pk	32.4	-22.1	54.05	-	-	74	-19.95	355	397	V

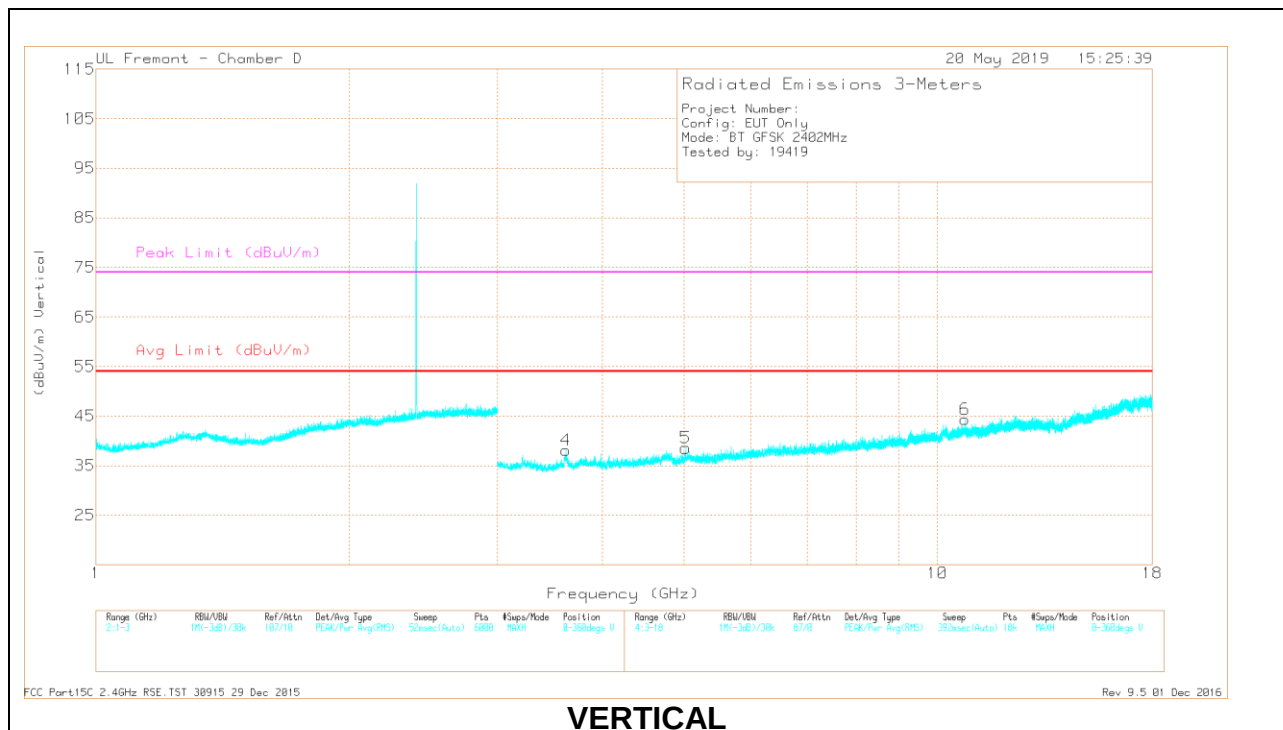
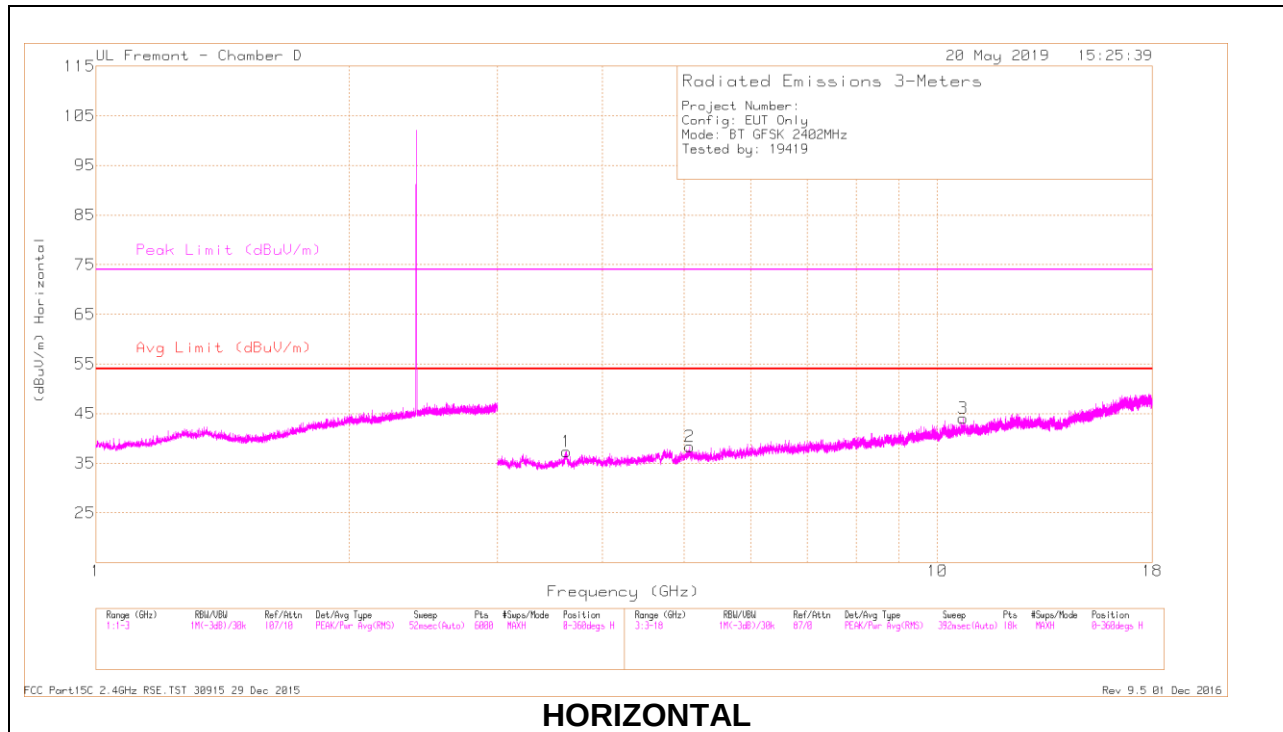
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average $V_B = 1/T_{on}$ where: T_{on} is transmit duration

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

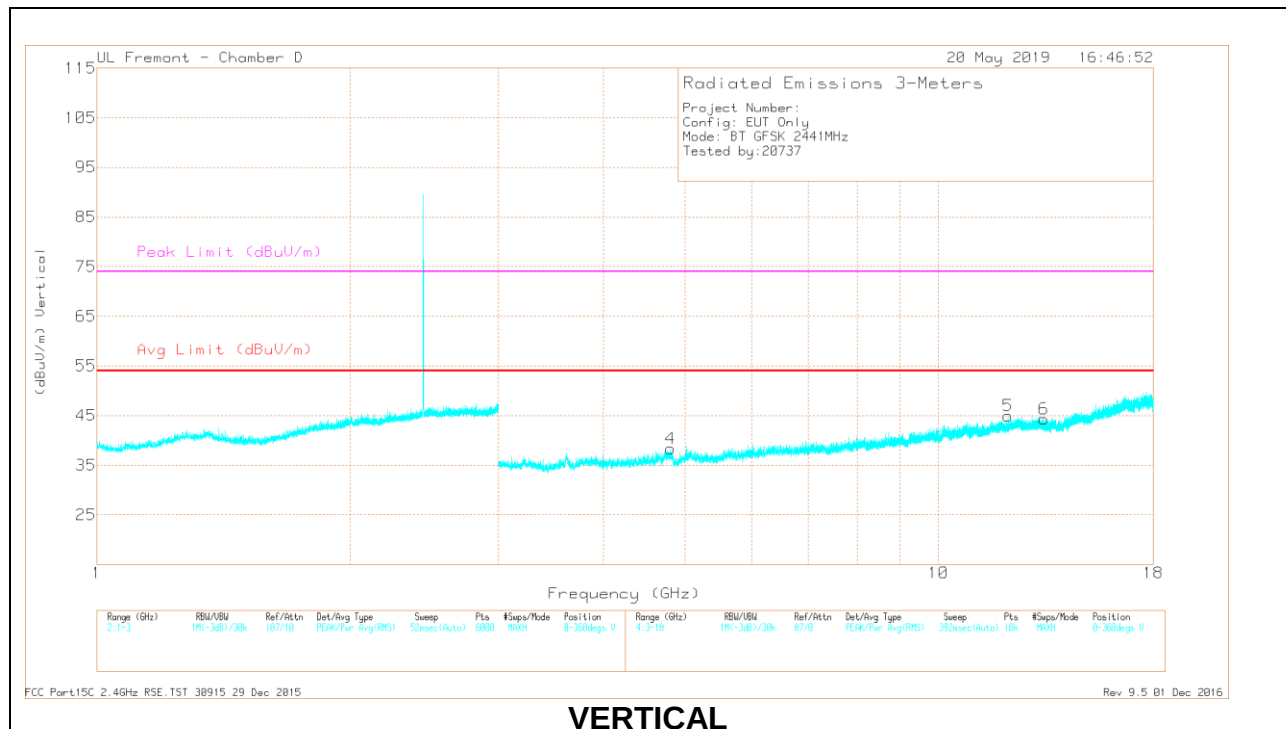
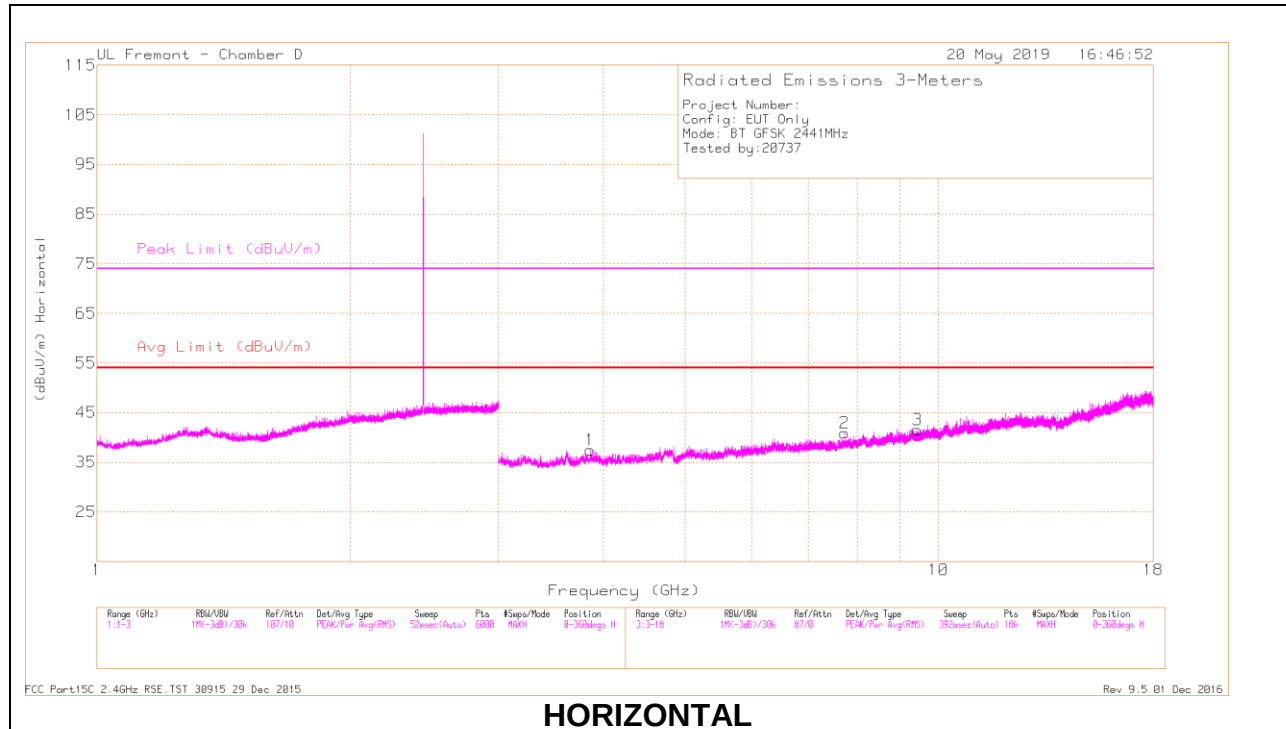
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.624	37.97	PKFH	33.3	-28.5	42.77	-	-	74	-31.23	255	228	H
	* 3.624	25.57	VA1T	33.3	-28.5	30.37	54	-23.63	-	-	255	228	H
2	* 5.075	37.16	PKFH	34.1	-26.5	44.76	-	-	74	-29.24	301	352	H
	* 5.075	24.09	VA1T	34.1	-26.5	31.69	54	-22.31	-	-	301	352	H
3	* 10.718	34.11	PKFH	37.9	-21.1	50.91	-	-	74	-23.09	53	180	H
	* 10.72	17.95	VA1T	37.9	-21.1	34.75	54	-19.25	-	-	53	180	H
4	* 3.621	37.81	PKFH	33.4	-28.4	42.81	-	-	74	-31.19	245	185	V
	* 3.62	25.6	VA1T	33.5	-28.4	30.7	54	-23.3	-	-	245	185	V
5	* 5.018	36.76	PKFH	34	-26.7	44.06	-	-	74	-29.94	90	140	V
	* 5.022	23.82	VA1T	33.9	-26.6	31.12	54	-22.88	-	-	90	140	V
6	* 10.774	32.79	PKFH	37.9	-20.8	49.89	-	-	74	-24.11	2	211	V
	* 10.776	17.64	VA1T	37.8	-20.8	34.64	54	-19.36	-	-	2	211	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

MID CHANNEL RESULTS



RADIATED EMISSIONS

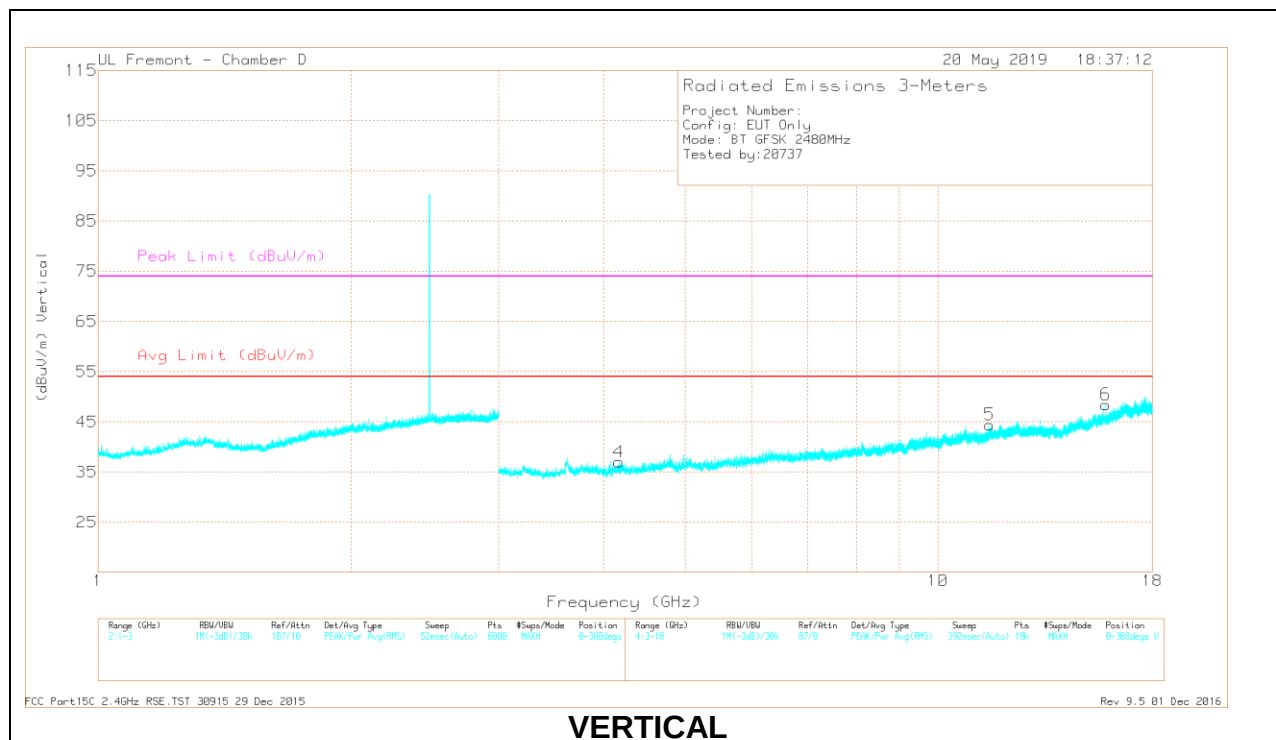
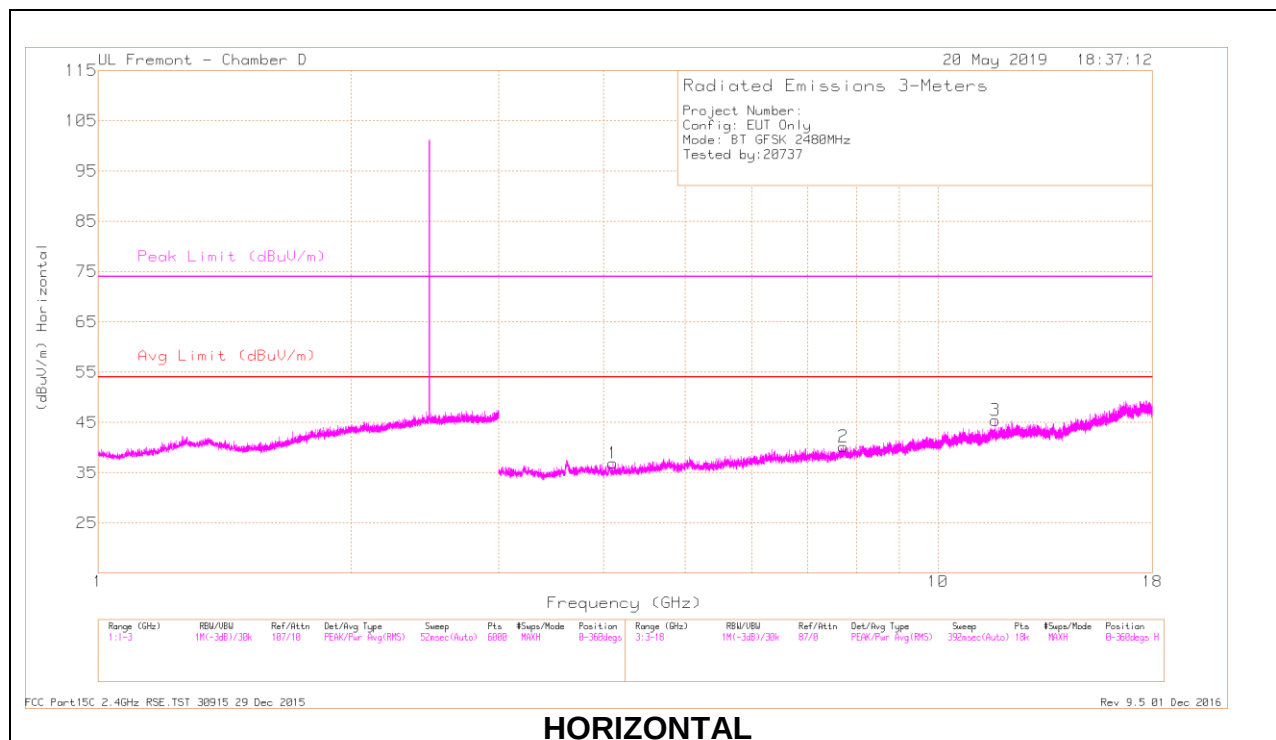
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.859	39	PKFH	33.4	-28.4	44	-	-	74	-30	224	400	H
	* 3.858	26.16	VA1T	33.4	-28.5	31.06	54	-22.94	-	-	224	400	H
2	* 7.736	34.94	PKFH	35.7	-24.6	46.04	-	-	74	-27.96	327	298	H
	* 7.737	21.95	VA1T	35.7	-24.6	33.05	54	-20.95	-	-	327	298	H
3	* 9.447	33.03	PKFH	36.5	-21.9	47.63	-	-	74	-26.37	233	321	H
	* 9.444	18.6	VA1T	36.5	-22	33.1	54	-20.9	-	-	233	321	H
4	* 4.808	37.32	PKFH	34.1	-27	44.42	-	-	74	-29.58	325	377	V
	* 4.81	24.69	VA1T	34	-26.9	31.79	54	-22.21	-	-	325	377	V
5	* 12.1	33.09	PKFH	38.7	-21.9	49.89	-	-	74	-24.11	195	103	V
	* 12.099	18.96	VA1T	38.7	-21.9	35.76	54	-18.24	-	-	195	103	V
6	* 13.335	34.28	PKFH	39.1	-23.3	50.08	-	-	74	-23.92	313	206	V
	* 13.334	20.8	VA1T	39.1	-23.3	36.6	54	-17.4	-	-	313	206	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

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (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	* 4.102	37.51	PKFH	33.5	-27.9	43.11	-	-	74	-30.89	151	399	H
	* 4.1	24.6	VA1T	33.5	-27.9	30.2	54	-23.8	-	-	151	399	H
2	* 7.721	34.57	PKFH	35.7	-24.6	45.67	-	-	74	-28.33	333	400	H
	* 7.723	22.04	VA1T	35.7	-24.6	33.14	54	-20.86	-	-	333	400	H
3	* 11.702	34.42	PKFH	38.4	-21.5	51.32	-	-	74	-22.68	127	225	H
	* 11.702	18.66	VA1T	38.4	-21.5	35.56	54	-18.44	-	-	127	225	H
4	* 4.172	37.57	PKFH	33.3	-27.6	43.27	-	-	74	-30.73	346	273	V
	* 4.171	24.79	VA1T	33.3	-27.7	30.39	54	-23.61	-	-	346	273	V
5	* 11.526	34.78	PKFH	38.2	-21.4	51.58	-	-	74	-22.42	85	115	V
	* 11.525	18.52	VA1T	38.2	-21.4	35.32	54	-18.68	-	-	85	115	V
6	* 15.853	34.35	PKFH	40.3	-21	53.65	-	-	74	-20.35	0	334	V
	* 15.851	19.63	VA1T	40.3	-21.1	38.83	54	-15.17	-	-	0	334	V

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

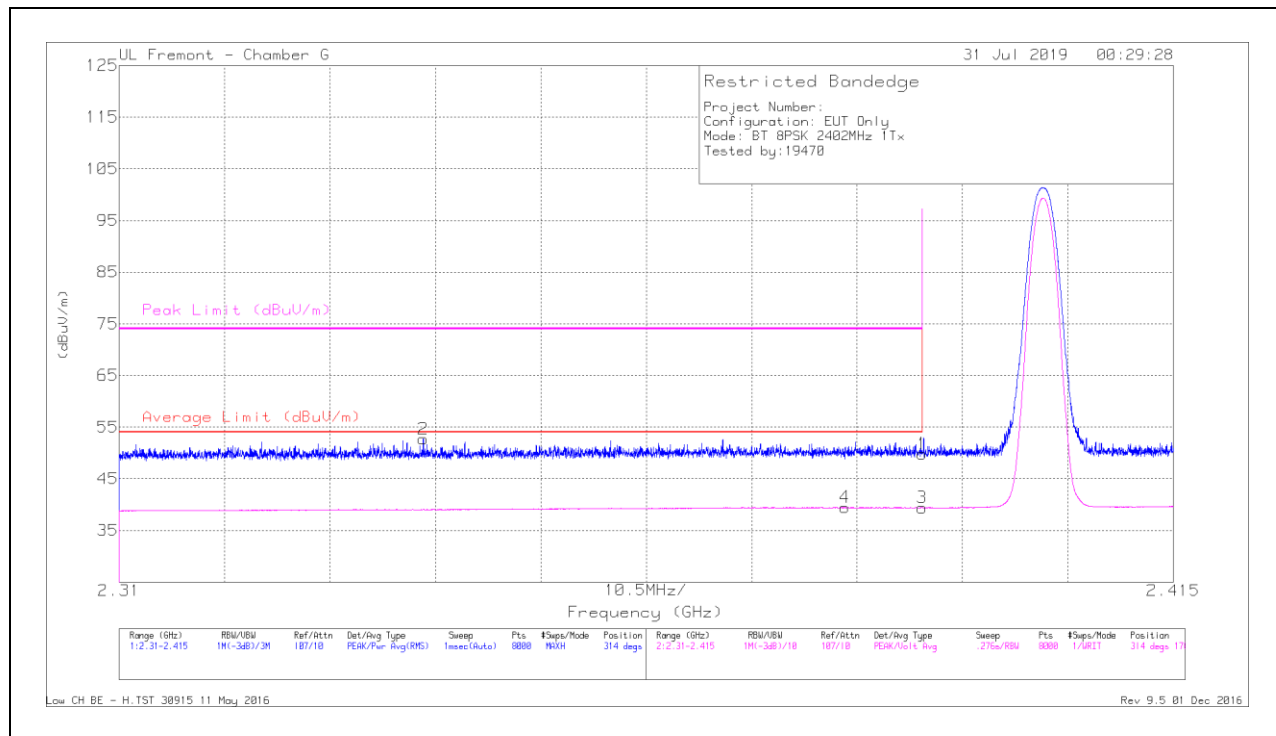
PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

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

9.1.7. ANTENNA 4, LOW POWER ENHANCED DATA RATE 8PSK MODULATION

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



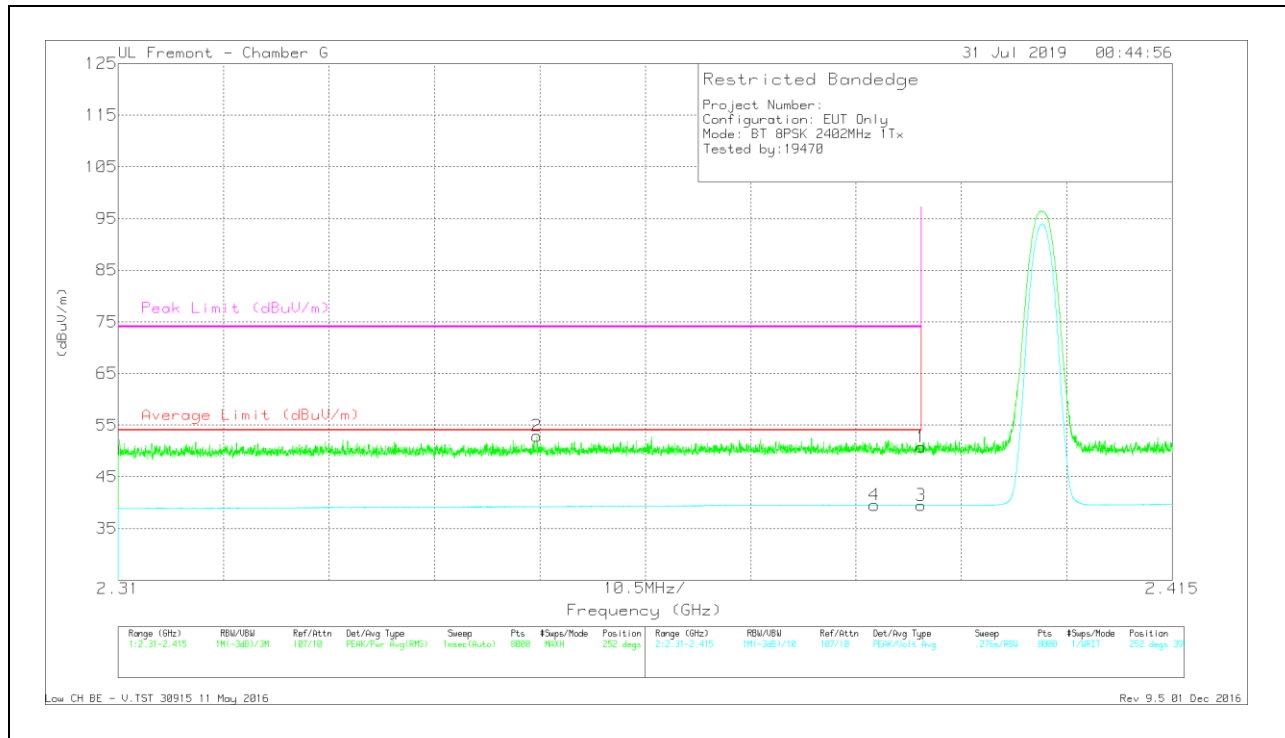
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	40.09	Pk	31.9	-22.2	49.79	-	-	74	-24.21	314	170	H
2	* 2.34	43.2	Pk	31.7	-22.2	52.7	-	-	74	-21.3	314	170	H
3	* 2.39	29.7	VA1T	31.9	-22.2	39.4	54	-14.6	-	-	314	170	H
4	* 2.382	29.77	VA1T	31.9	-22.2	39.47	54	-14.53	-	-	314	170	H

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

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average $V_B=1/T_{on}$ where: T_{on} is transmit duration

VERTICAL RESULT



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	41.07	Pk	31.9	-22.2	50.77	-	-	74	-23.23	252	395	V
2	* 2.352	43.4	Pk	31.7	-22.2	52.9	-	-	74	-21.1	252	395	V
3	* 2.39	29.75	VA1T	31.9	-22.2	39.45	54	-14.55	-	-	252	395	V
4	* 2.385	29.83	VA1T	31.9	-22.2	39.53	54	-14.47	-	-	252	395	V

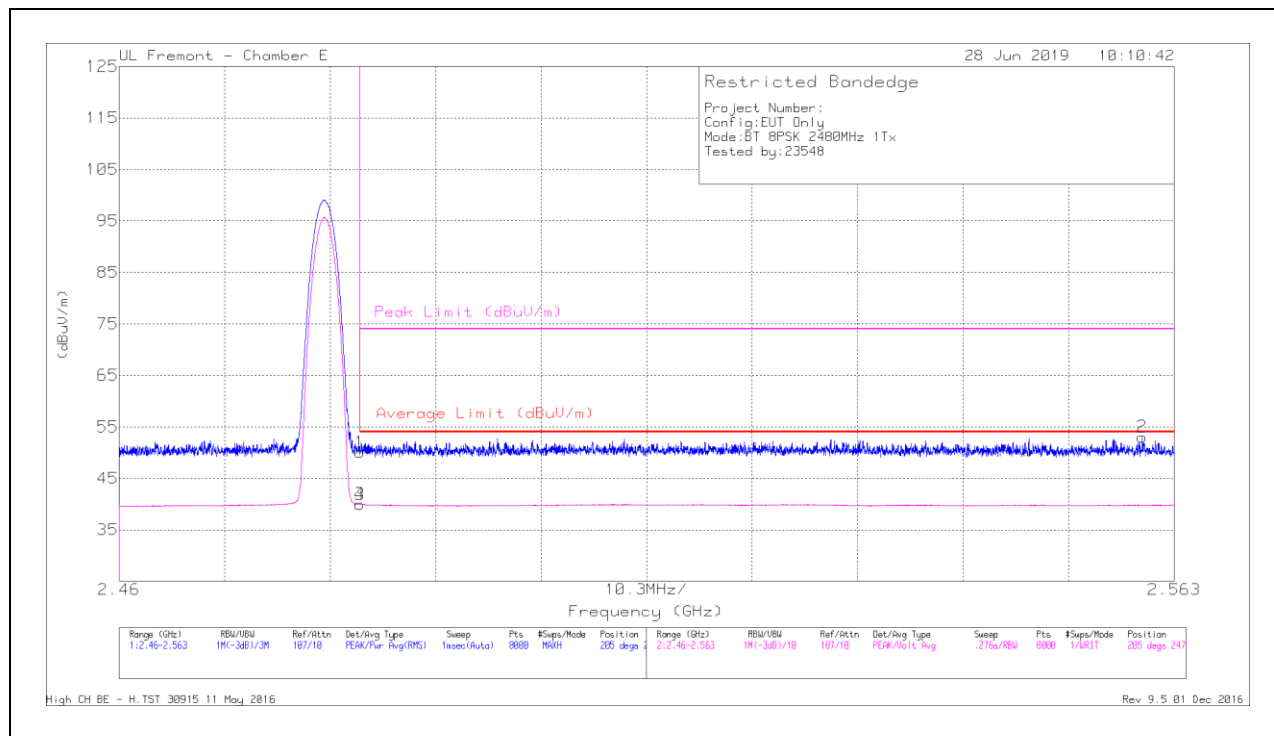
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average $V_B = 1/T_{on}$ where: T_{on} is transmit duration

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



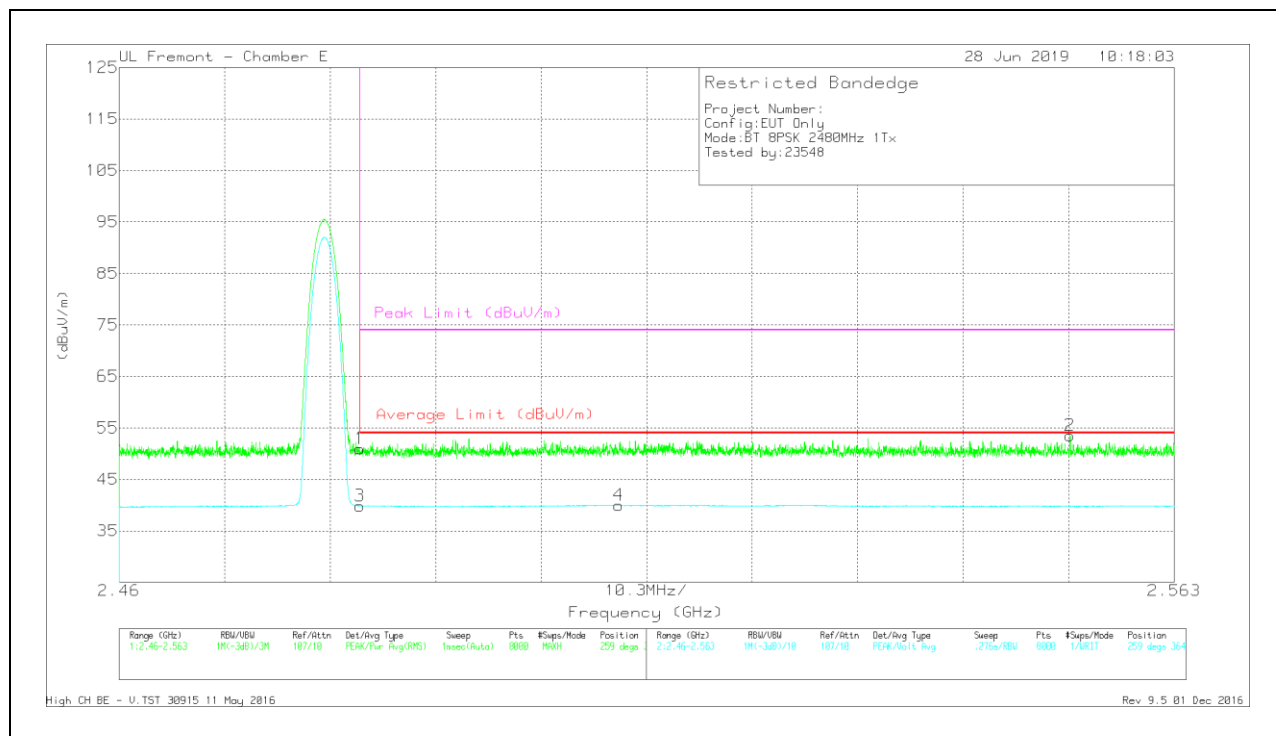
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	43.55	Pk	32.8	-26.3	50.05	-	-	74	-23.95	205	247	H
3	* 2.484	33.46	VA1T	32.8	-26.3	39.96	54	-14.04	-	-	205	247	H
4	* 2.484	33.46	VA1T	32.8	-26.3	39.96	54	-14.04	-	-	205	247	H
2	2.56	46.56	Pk	32.8	-26.3	53.06	-	-	74	-20.94	205	247	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

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pa d (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	44.47	Pk	32.8	-26.3	50.97	-	-	74	-23.03	259	364	V
3	* 2.484	33.36	VA1T	32.8	-26.3	39.86	54	-14.14	-	-	259	364	V
4	2.509	33.29	VA1T	32.9	-26.2	39.99	54	-14.01	-	-	259	364	V
2	2.553	47.03	Pk	32.8	-26.3	53.53	-	-	74	-20.47	259	364	V

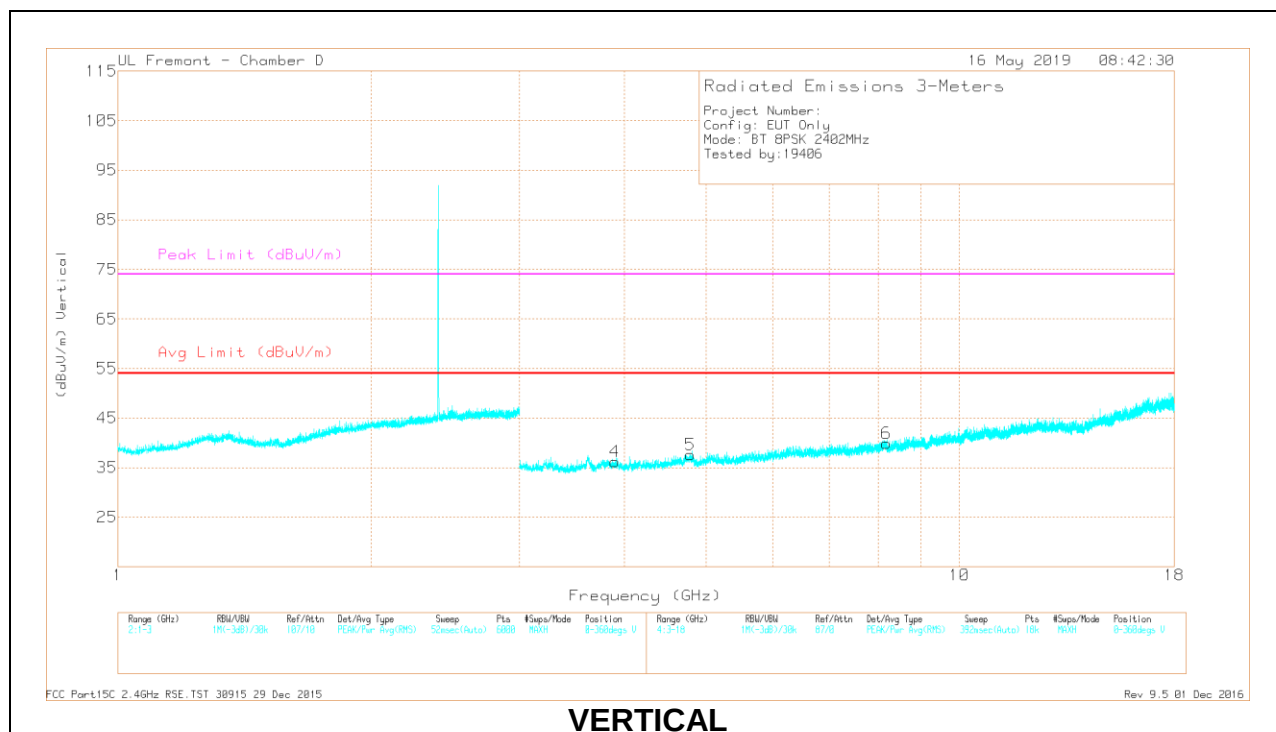
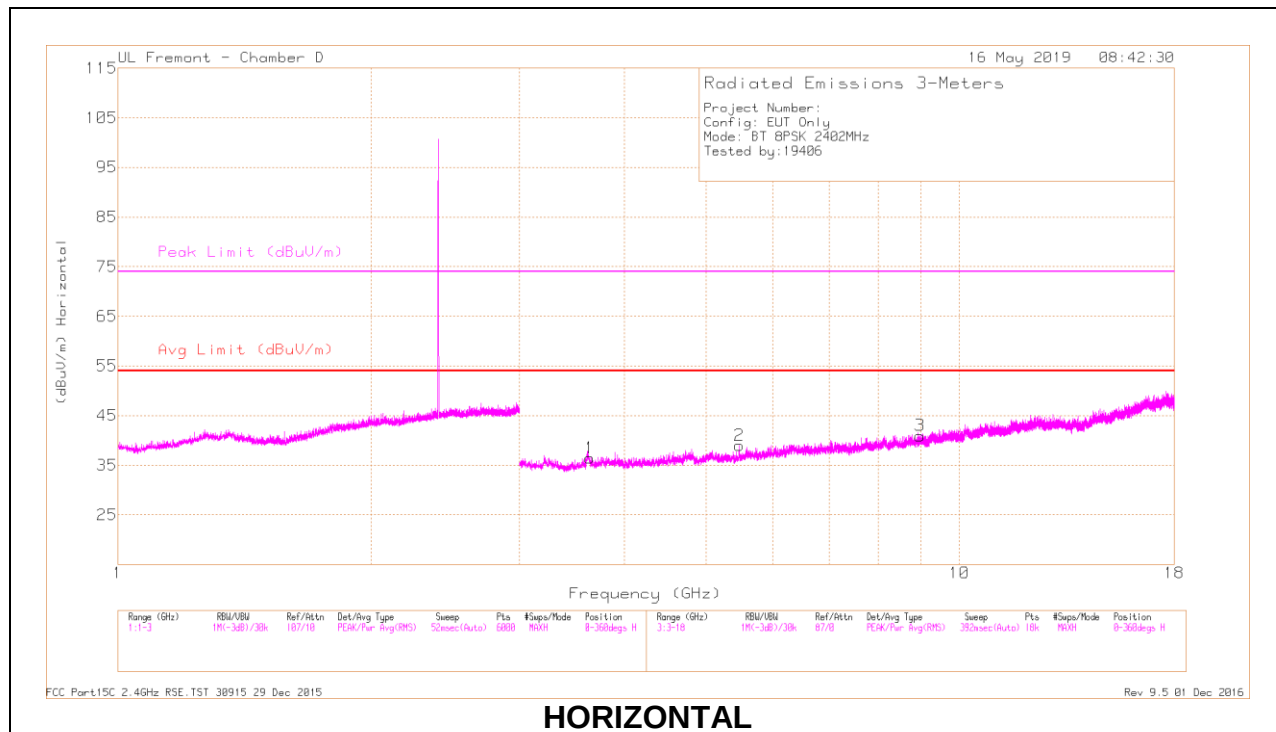
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

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

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

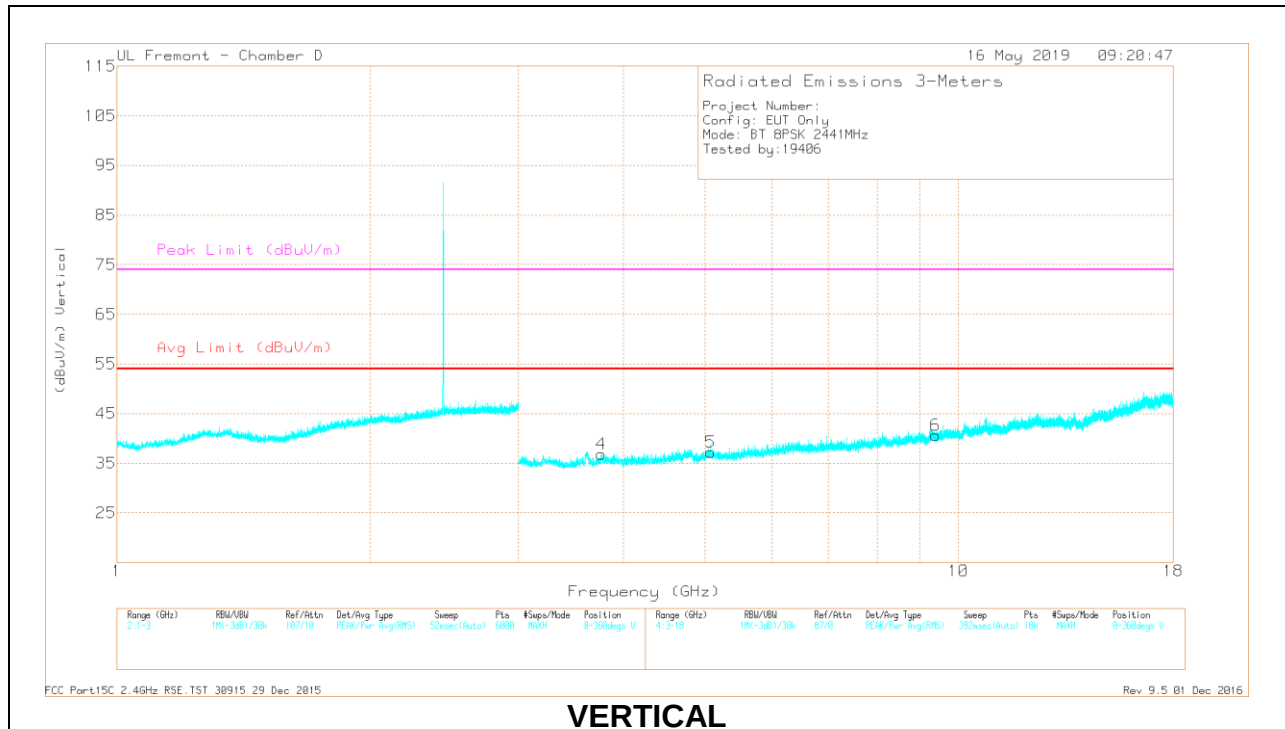
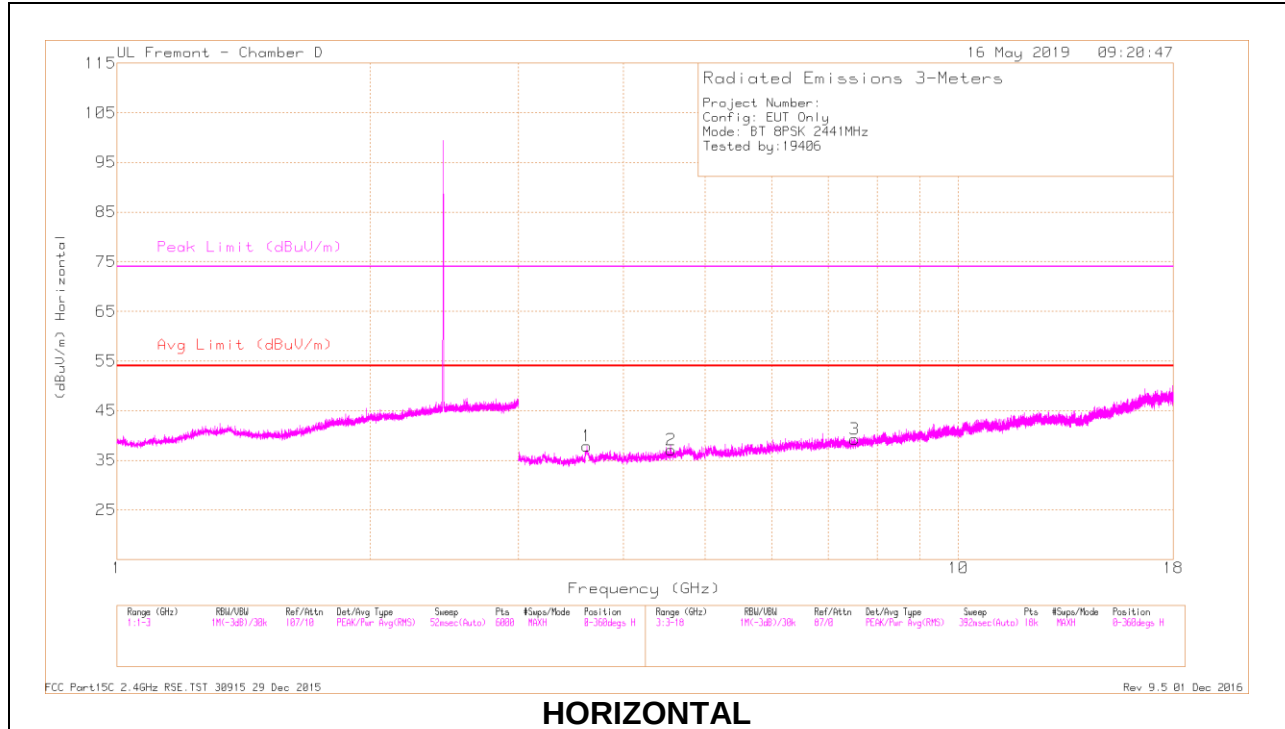
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.636	37.86	PKFH	33	-28.7	42.16	-	-	74	-31.84	122	351	H
	* 3.636	25.72	VA1T	33	-28.7	30.02	54	-23.98	-	-	122	351	H
2	5.479	37.7	PKFH	34.4	-27.5	44.6	-	-	-	-	274	182	H
3	8.976	34.21	PKFH	35.9	-22.5	47.61	-	-	-	-	189	386	H
4	* 3.896	38.02	PKFH	33.4	-28	43.42	-	-	74	-30.58	360	143	V
	* 3.898	25.63	VA1T	33.4	-28.1	30.93	54	-23.07	-	-	360	143	V
5	* 4.791	37.85	PKFH	34	-26.8	45.05	-	-	74	-28.95	183	260	V
	* 4.789	24.68	VA1T	34.1	-26.8	31.98	54	-22.02	-	-	183	260	V
6	* 8.185	34.21	PKFH	35.7	-23.4	46.51	-	-	74	-27.49	10	322	V
	* 8.186	20.85	VA1T	35.7	-23.5	33.05	54	-20.95	-	-	10	322	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

MID CHANNEL RESULTS



RADIATED EMISSIONS

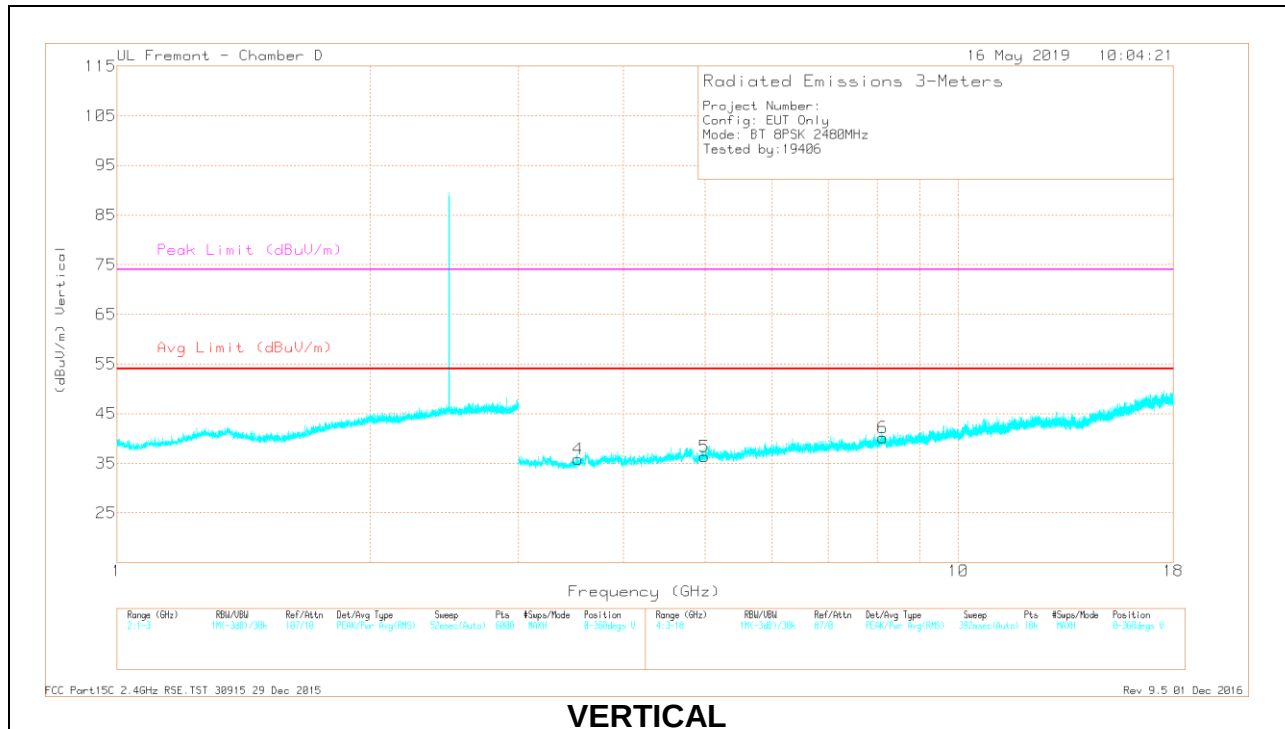
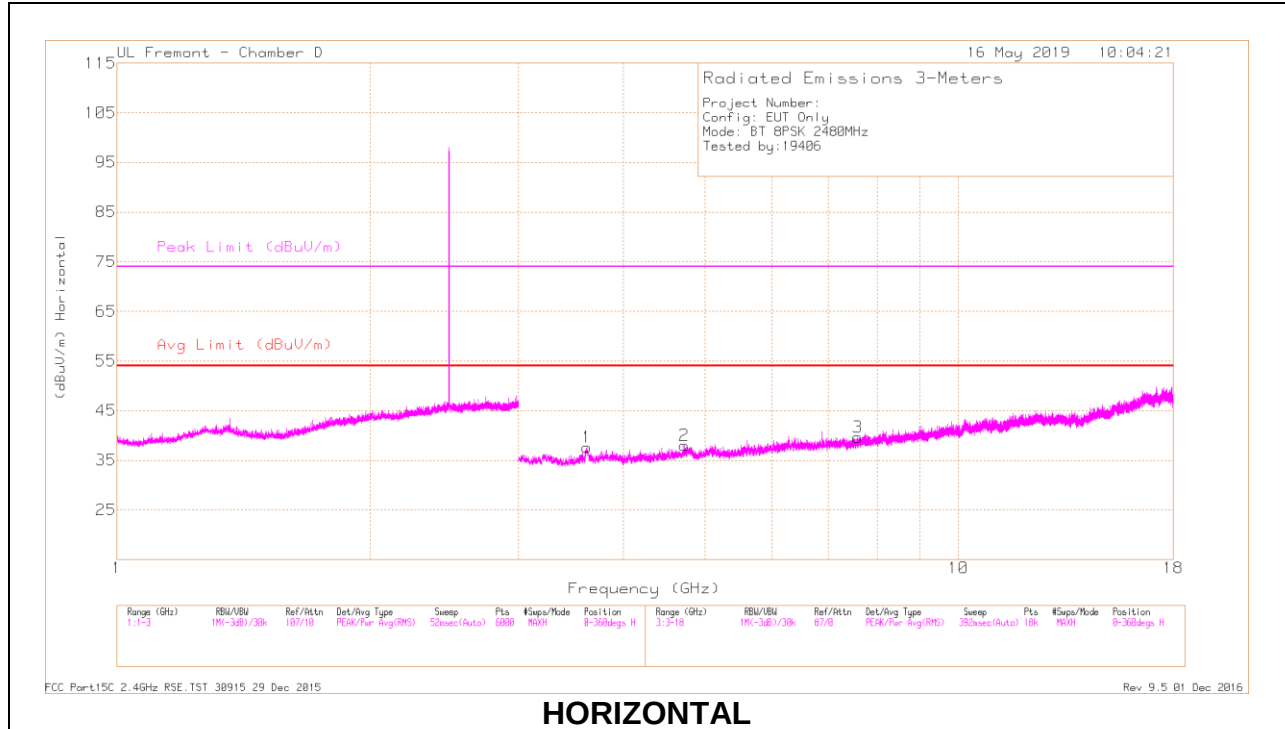
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.618	37.76	PKFH	33.6	-28.4	42.96	-	-	74	-31.04	87	389	H
	* 3.62	26.03	VA1T	33.5	-28.4	31.13	54	-22.87	-	-	87	389	H
2	* 4.552	38.01	PKFH	33.9	-27.7	44.21	-	-	74	-29.79	66	101	H
	* 4.554	25.06	VA1T	33.9	-27.6	31.36	54	-22.64	-	-	66	101	H
3	* 7.523	35.61	PKFH	35.5	-25.1	46.01	-	-	74	-27.99	71	147	H
	* 7.524	22.12	VA1T	35.5	-25.1	32.52	54	-21.48	-	-	71	147	H
4	* 3.766	38.68	PKFH	33.3	-28	43.98	-	-	74	-30.02	240	319	V
	* 3.764	25.41	VA1T	33.3	-27.9	30.81	54	-23.19	-	-	240	319	V
5	* 5.081	36.49	PKFH	34.1	-26.7	43.89	-	-	74	-30.11	93	152	V
	* 5.079	24.21	VA1T	34.1	-26.6	31.71	54	-22.29	-	-	93	152	V
6	* 9.397	33.19	PKFH	36.4	-22.2	47.39	-	-	74	-26.61	199	204	V
	* 9.396	18.87	VA1T	36.4	-22.2	33.07	54	-20.93	-	-	199	204	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

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (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	* 3.618	38.7	PKFH	33.5	-28.4	43.8	-	-	74	-30.2	235	355	H
	* 3.62	25.92	VA1T	33.5	-28.4	31.02	54	-22.98	-	-	235	355	H
2	* 4.723	36.9	PKFH	33.9	-27	43.8	-	-	74	-30.2	300	298	H
	* 4.725	24.56	VA1T	33.9	-27.1	31.36	54	-22.64	-	-	300	298	H
3	* 7.592	35.21	PKFH	35.5	-25	45.71	-	-	74	-28.29	270	104	H
	* 7.594	21.56	VA1T	35.5	-25	32.06	54	-21.94	-	-	270	104	H
4	* 3.532	37.46	PKFH	32.9	-28.4	41.96	-	-	74	-32.04	275	257	V
	* 3.53	25.31	VA1T	32.9	-28.4	29.81	54	-24.19	-	-	275	257	V
5	* 4.986	36.19	PKFH	34	-27.3	42.89	-	-	74	-31.11	116	305	V
	* 4.984	23.85	VA1T	34	-27.4	30.45	54	-23.55	-	-	116	305	V
6	* 8.136	34.14	PKFH	35.7	-22.8	47.04	-	-	74	-26.96	0	308	V
	* 8.137	20.86	VA1T	35.7	-22.9	33.66	54	-20.34	-	-	0	308	V

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

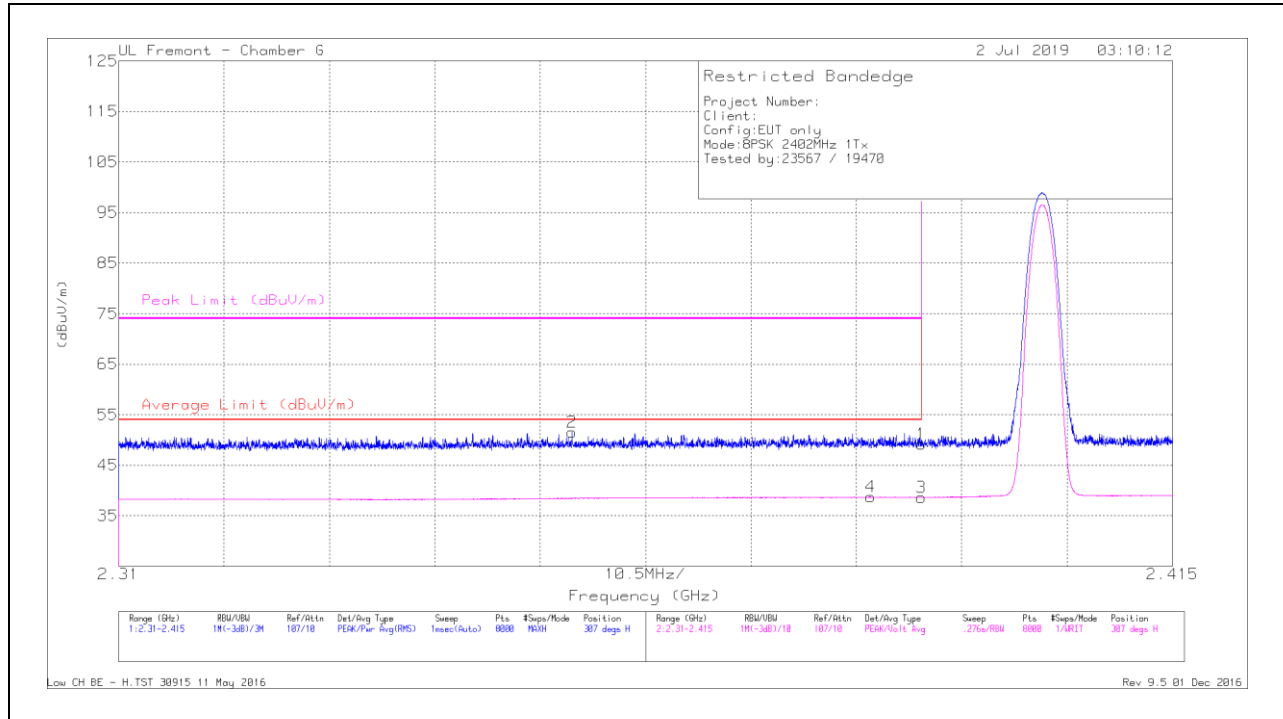
PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

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

9.1.8. ANTENNA 3, LOW POWER ENHANCED DATA RATE 8PSK MODULATION

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



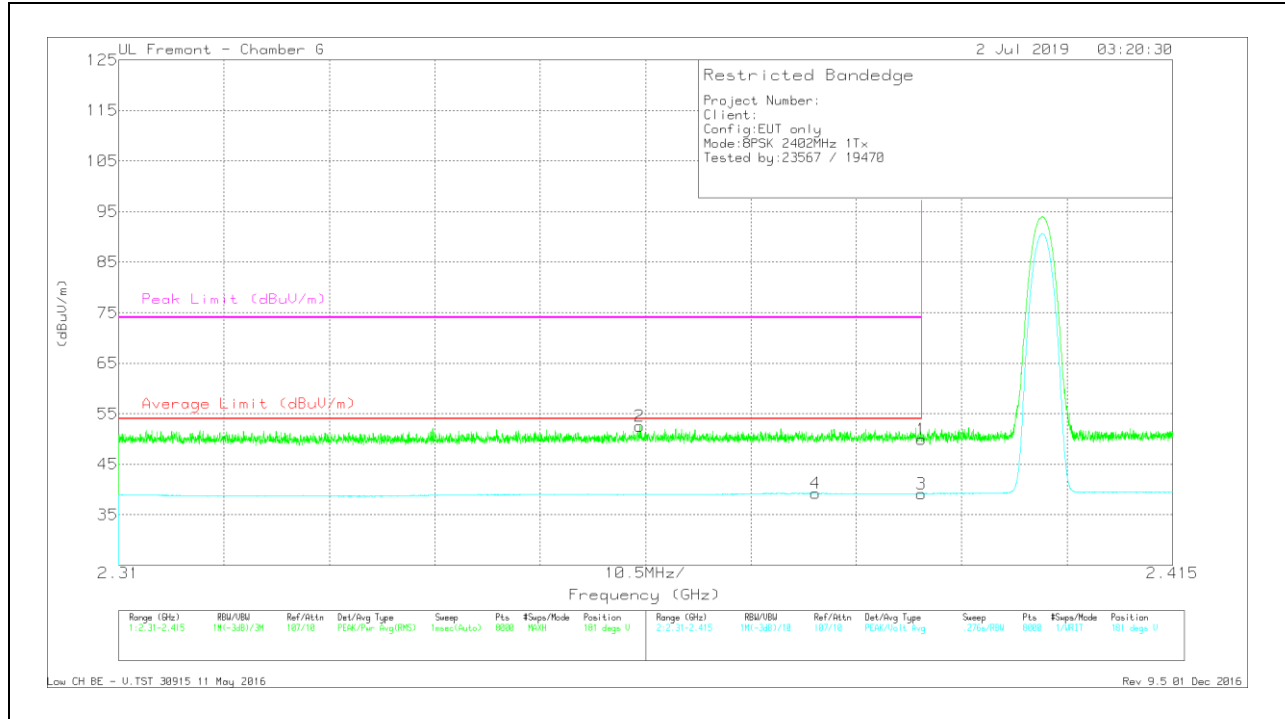
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Filtr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	39.45	Pk	31.9	-22.2	49.15	-	-	74	-24.85	307	110	H
2	* 2.355	42.03	PK	31.7	-22.2	51.53	-	-	74	-22.47	307	110	H
3	* 2.39	28.95	VA1T	31.9	-22.2	38.65	54	-15.35	-	-	307	110	H
4	* 2.385	29	VA1T	31.9	-22.2	38.7	54	-15.3	-	-	307	110	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

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Filtr/Path (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	43.05	Pk	31.7	-22.2	52.55	-	-	74	-21.45	181	385	V
4	* 2.379	29.64	VA1T	31.8	-22.2	39.24	54	-14.76	-	-	181	385	V
1	* 2.39	40.23	Pk	31.9	-22.2	49.93	-	-	74	-24.07	181	385	V
3	* 2.39	29.44	VA1T	31.9	-22.2	39.14	54	-14.86	-	-	181	385	V

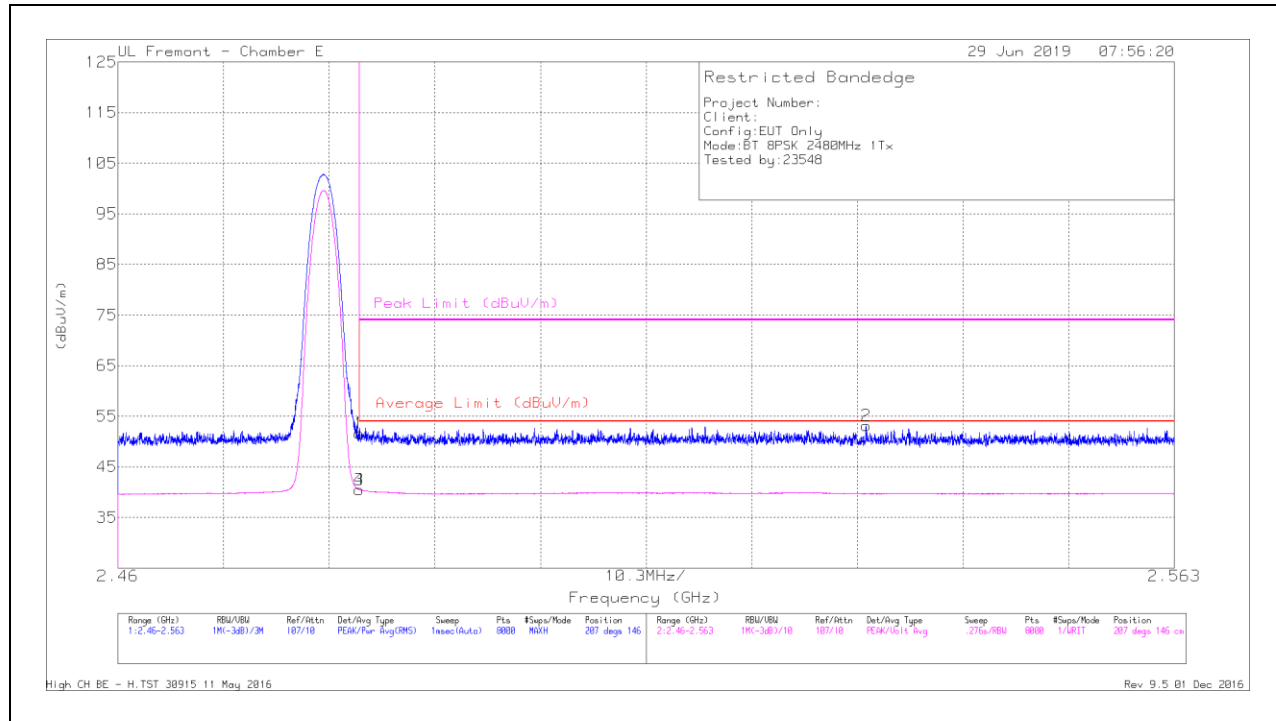
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average $V_B = 1/T_{on}$ where: T_{on} is transmit duration

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



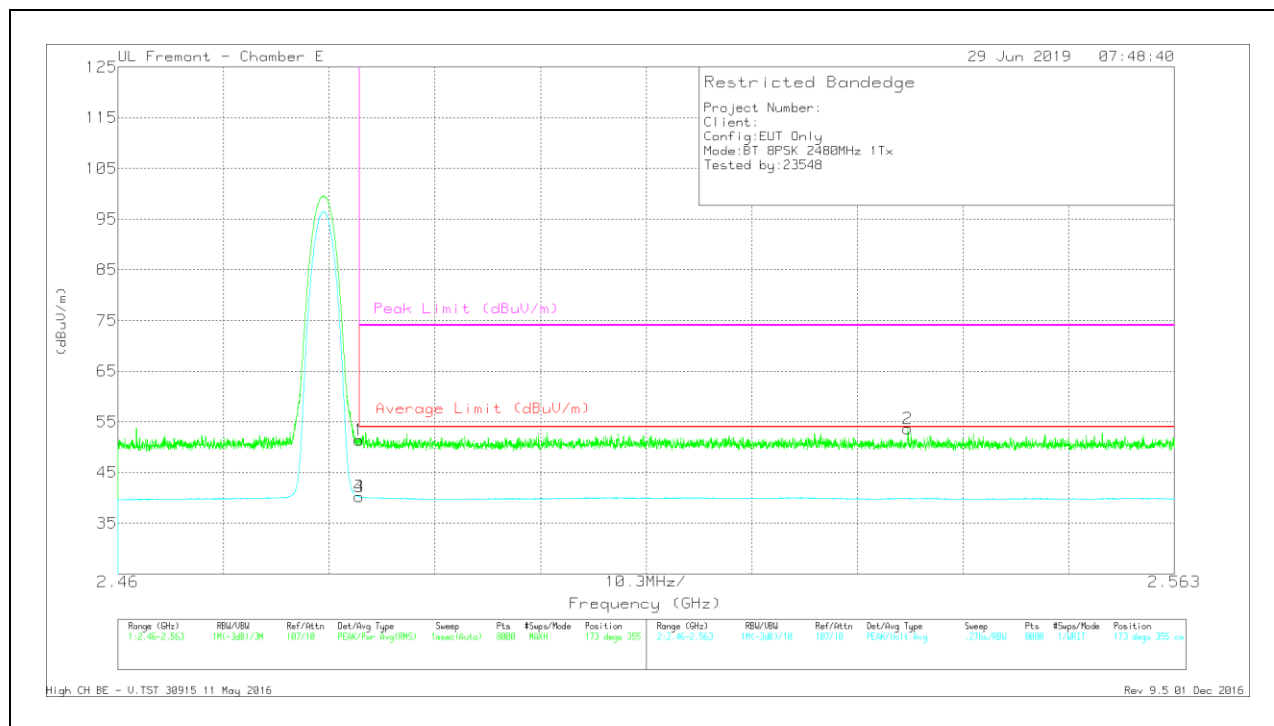
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT119 (dB/m)	Amp/Cbl/Filtr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	45.13	Pk	32.8	-26.3	51.63	-	-	74	-22.37	207	146	H
3	* 2.484	34.02	VA1T	32.8	-26.3	40.52	54	-13.48	-	-	207	146	H
4	* 2.484	33.98	VA1T	32.8	-26.3	40.48	54	-13.52	-	-	207	146	H
2	2.533	46.65	Pk	32.9	-26.4	53.15	-	-	74	-20.85	207	146	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

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fitr/Pa d (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	44.92	Pk	32.8	-26.3	51.42	-	-	74	-22.58	173	355	V
3	* 2.484	33.73	VA1T	32.8	-26.3	40.23	54	-13.77	-	-	173	355	V
4	* 2.484	33.75	VA1T	32.8	-26.3	40.25	54	-13.75	-	-	173	355	V
2	2.537	47.07	Pk	32.9	-26.3	53.67	-	-	74	-20.33	173	355	V

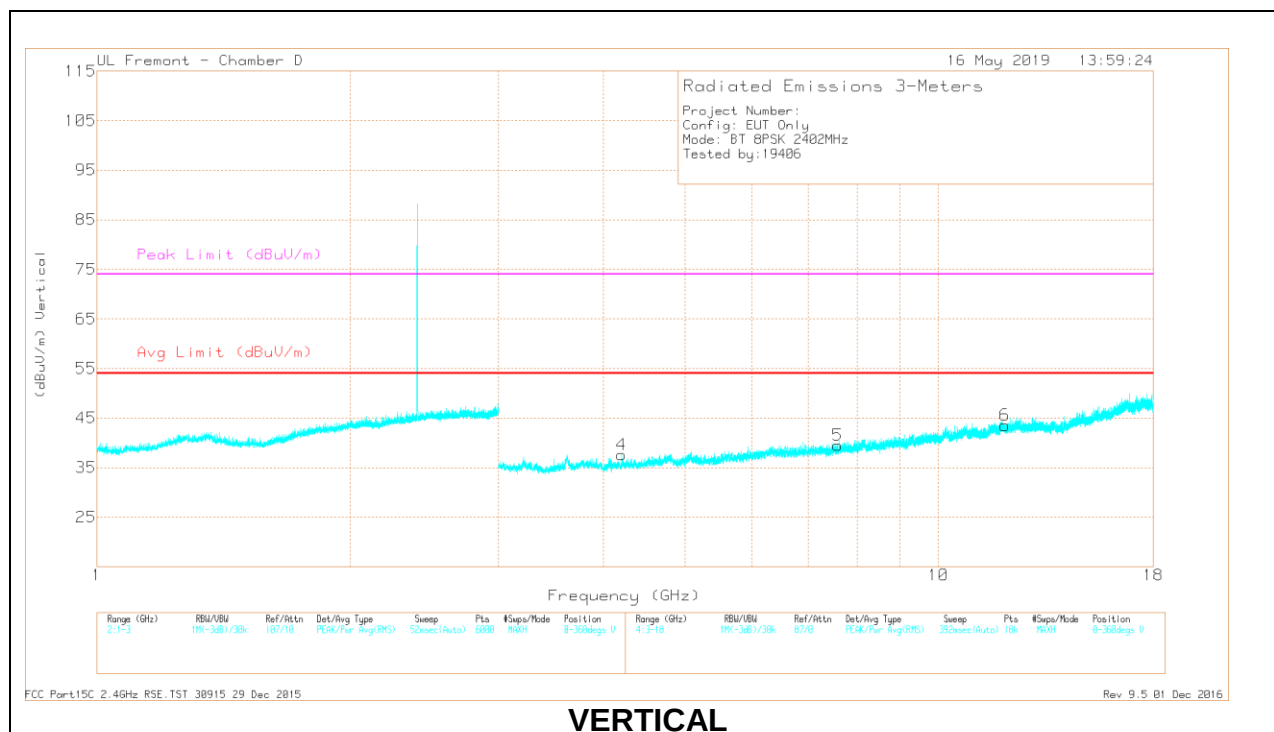
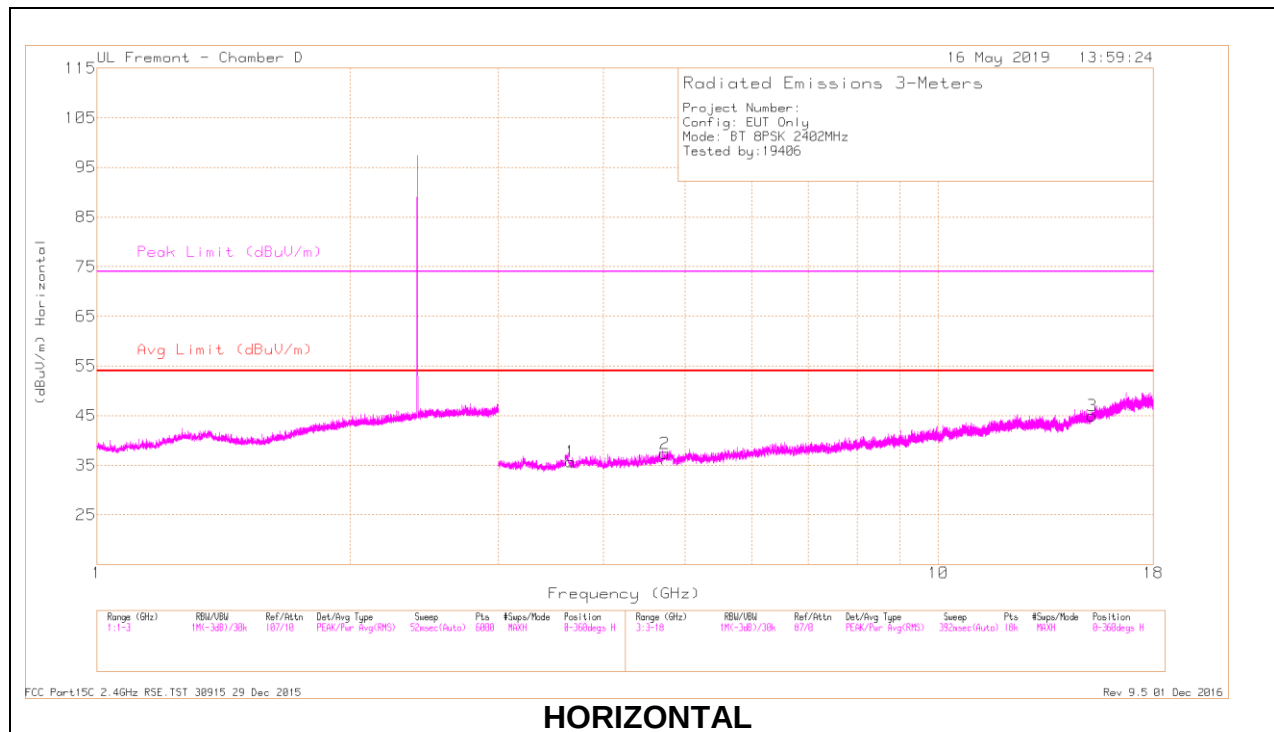
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average $V_B = 1/T_{on}$ where: T_{on} is transmit duration

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

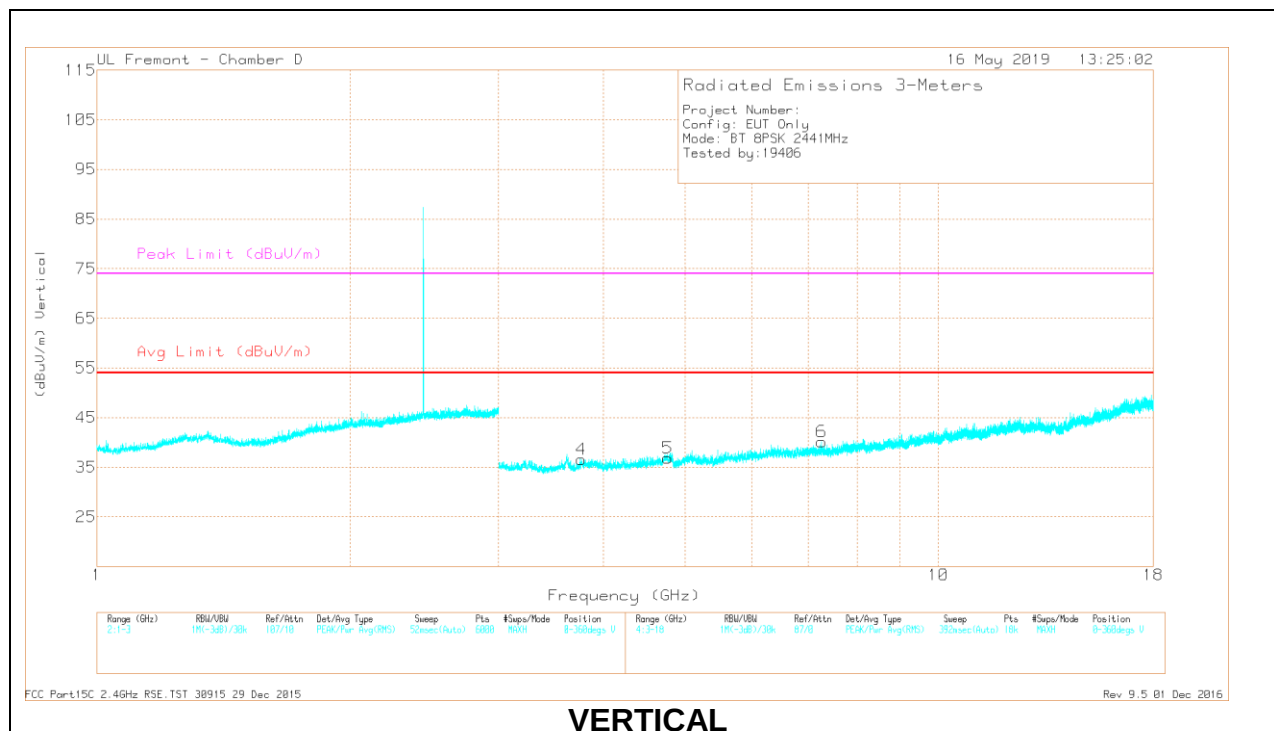
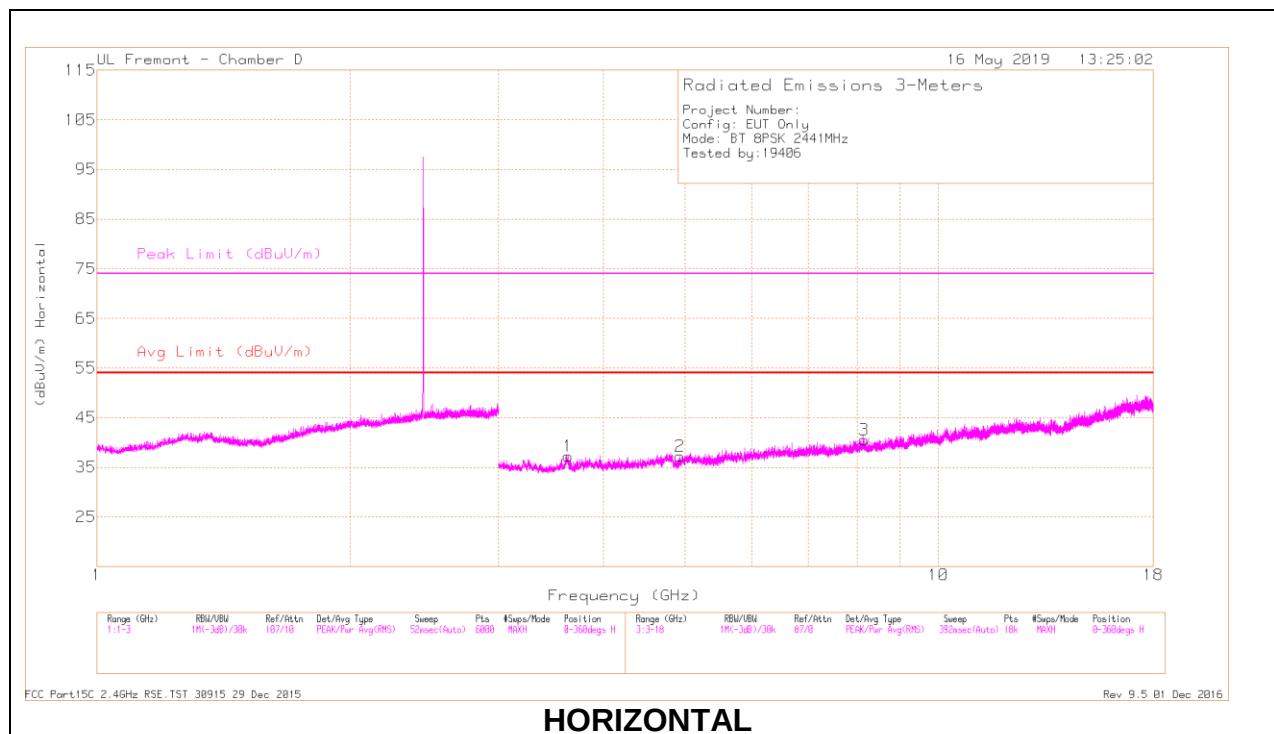
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.654	38.29	PKFH	32.9	-28.8	42.39	-	-	74	-31.61	82	141	H
	* 3.655	25.6	VA1T	32.9	-28.9	29.6	54	-24.4	-	-	82	141	H
2	* 4.732	37.42	PKFH	33.9	-26.6	44.72	-	-	74	-29.28	348	391	H
	* 4.733	23.86	VA1T	33.9	-26.6	31.16	54	-22.84	-	-	348	391	H
3	15.227	34.98	PKFH	39.8	-22.7	52.08	-	-	-	-	234	231	H
4	* 4.203	36.81	PKFH	33.3	-27.5	42.61	-	-	74	-31.39	228	329	V
	* 4.205	24.65	VA1T	33.4	-27.5	30.55	54	-23.45	-	-	228	329	V
5	* 7.587	35.34	PKFH	35.6	-25	45.94	-	-	74	-28.06	309	129	V
	* 7.585	21.81	VA1T	35.6	-25.1	32.31	54	-21.69	-	-	309	129	V
6	* 11.993	33.46	PKFH	38.7	-22.1	50.06	-	-	74	-23.94	4	129	V
	* 11.994	19.39	VA1T	38.7	-22.1	35.99	54	-18.01	-	-	4	129	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

MID CHANNEL RESULTS



RADIATED EMISSIONS

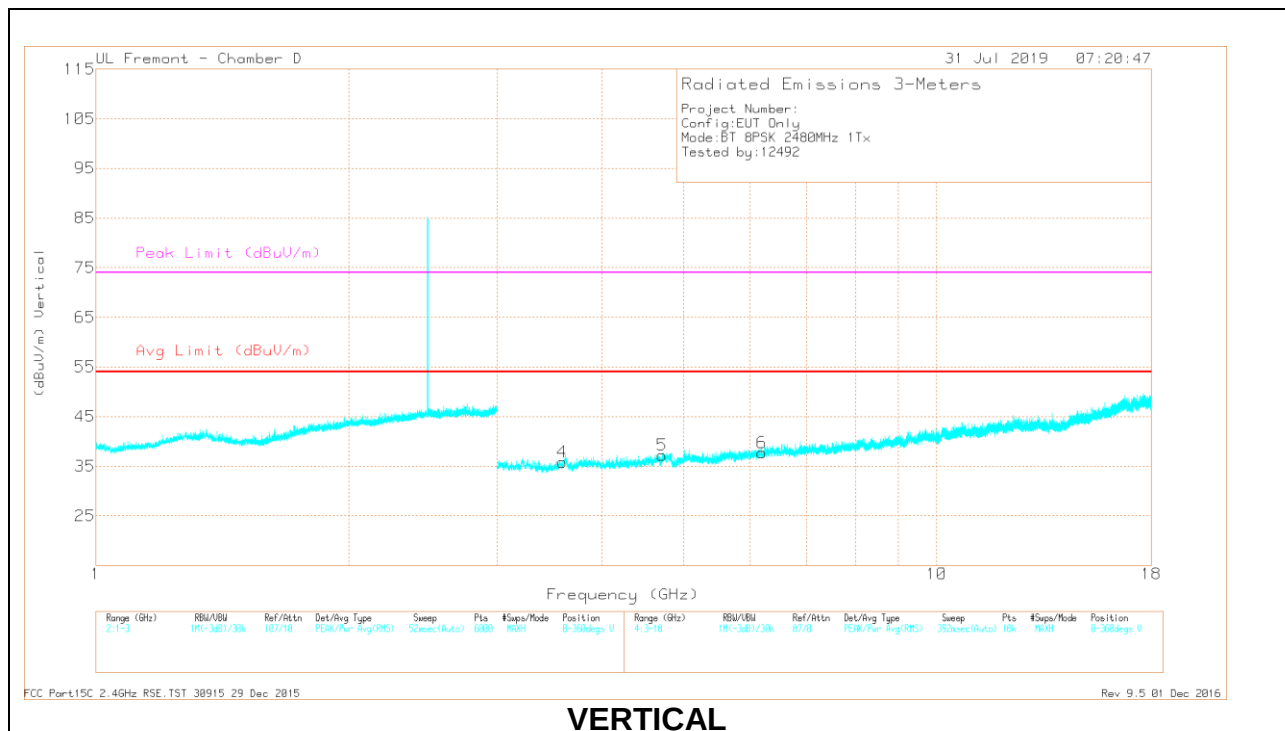
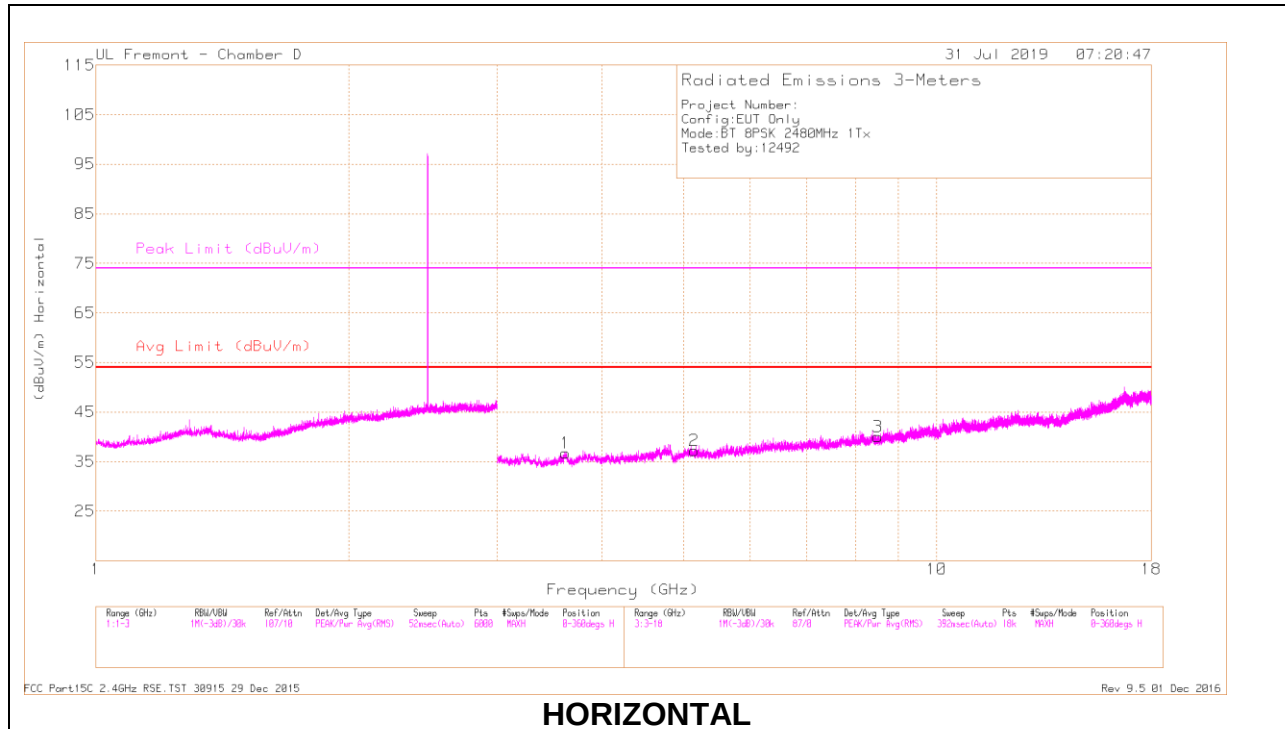
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.633	37.73	PKFH	33.1	-28.5	42.33	-	-	74	-31.67	115	222	H
	* 3.633	25.69	VA1T	33.1	-28.5	30.29	54	-23.71	-	-	115	222	H
2	* 4.926	37.38	PKFH	33.9	-28	43.28	-	-	74	-30.72	328	279	H
	* 4.928	24.17	VA1T	33.9	-28	30.07	54	-23.93	-	-	328	279	H
3	* 8.158	34.51	PKFH	35.7	-23.1	47.11	-	-	74	-26.89	299	337	H
	* 8.158	20.59	VA1T	35.7	-23.1	33.19	54	-20.81	-	-	299	337	H
4	* 3.765	37.5	PKFH	33.3	-28	42.8	-	-	74	-31.2	24	293	V
	* 3.765	25.42	VA1T	33.3	-28	30.72	54	-23.28	-	-	24	293	V
5	* 4.767	37.16	PKFH	34	-26.6	44.56	-	-	74	-29.44	171	386	V
	* 4.768	24.49	VA1T	34	-26.6	31.89	54	-22.11	-	-	171	386	V
6	* 7.267	34.97	PKFH	35.4	-24.7	45.67	-	-	74	-28.33	186	278	V
	* 7.267	22.25	VA1T	35.4	-24.7	32.95	54	-21.05	-	-	186	278	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

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequenc y (GHz)	Meter Readin g (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Fitr/ Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimu t (Degs)	Height (cm)	Polarit y
1	* 3.619	38.65	PKF H	33.5	-28.3	43.85	-	-	74	-30.15	313	123	H
	* 3.62	25.97	VA1 T	33.5	-28.3	31.17	54	-22.83	-	-	313	123	H
2	* 5.145	37.63	PKF H	34.1	-27.8	43.93	-	-	74	-30.07	276	111	H
	* 5.145	25.01	VA1 T	34.1	-27.8	31.31	54	-22.69	-	-	276	111	H
4	* 3.586	37.61	PKF H	33.1	-28.1	42.61	-	-	74	-31.39	283	178	V
	* 3.589	25.22	VA1 T	33.1	-28.1	30.22	54	-23.78	-	-	283	178	V
5	* 4.715	37.82	PKF H	33.9	-26.9	44.82	-	-	74	-29.18	185	248	V
	* 4.714	24.84	VA1 T	33.9	-26.9	31.84	54	-22.16	-	-	185	248	V
6	6.198	23.34	VA1 T	35.2	-26.6	31.94	-	-	-	-	70	201	V
	6.2	36.28	PKF H	35.2	-26.6	44.88	-	-	-	-	70	201	V
3	8.508	34.07	PKF H	35.8	-23.3	46.57	-	-	-	-	240	217	H
	8.509	20.59	VA1 T	35.8	-23.3	33.09	-	-	-	-	240	217	H

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

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

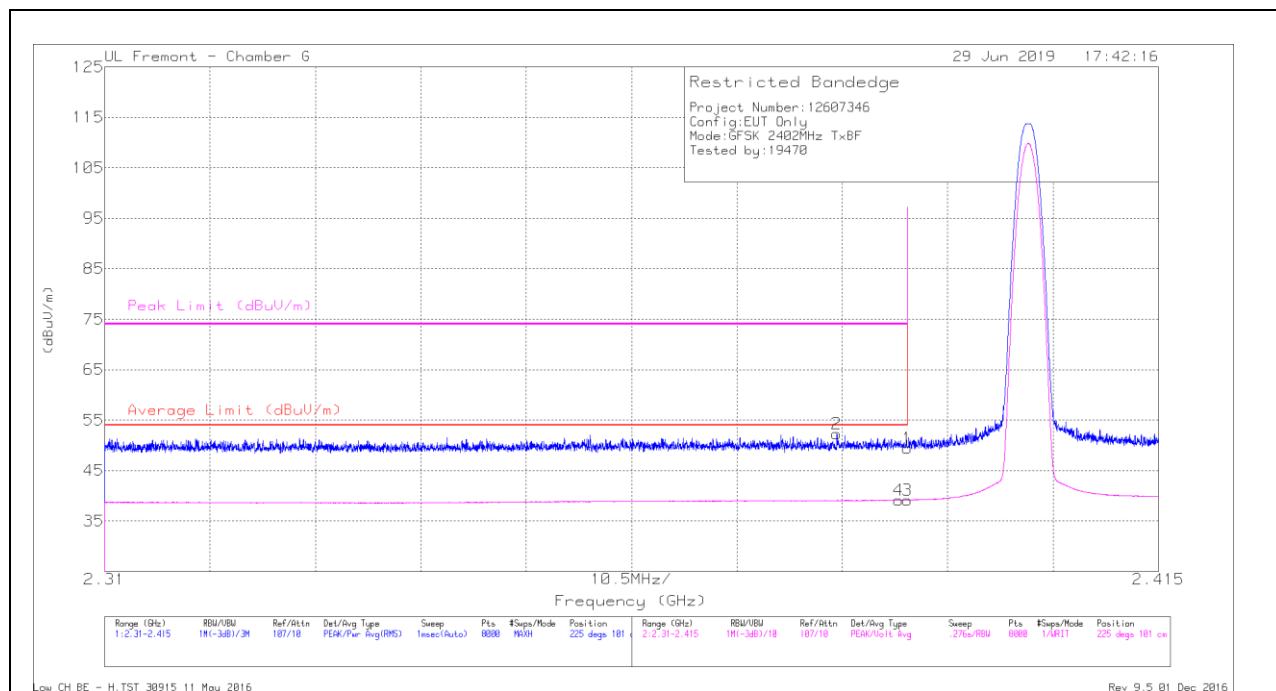
VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

9.2. BEAMFORMING TRANSMITTER ABOVE 1 GHz

9.2.1. HIGH POWER BASIC DATA RATE GFSK MODULATION

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Ftr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	39.73	Pk	31.9	-22.2	49.43	-	-	74	-24.57	225	101	H
2	* 2.383	42.56	Pk	31.9	-22.2	52.26	-	-	74	-21.74	225	101	H
3	* 2.39	29.44	VA1T	31.9	-22.2	39.14	54	-14.86	-	-	225	101	H
4	* 2.389	29.46	VA1T	31.9	-22.2	39.16	54	-14.84	-	-	225	101	H

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

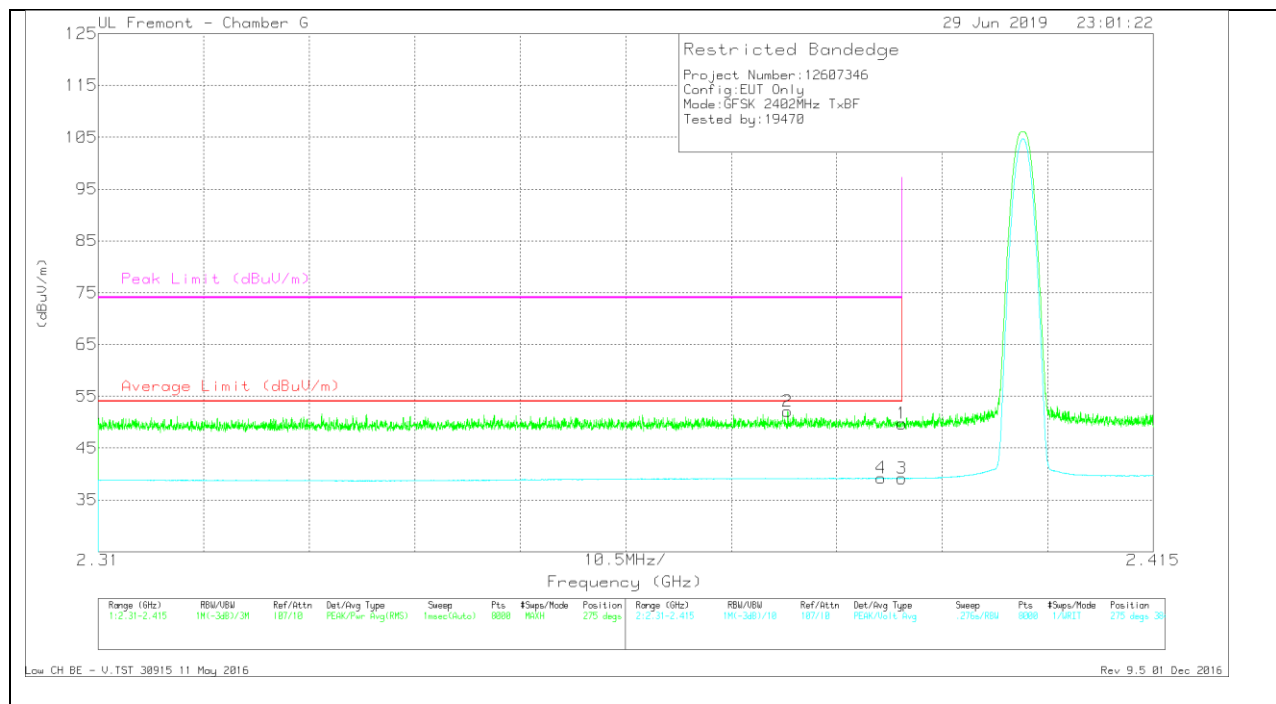
Pk - Peak detector

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

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VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cb/Filt/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.379	42.49	Pk	31.8	-22.2	52.09	-	-	74	-21.91	275	384	V
4	* 2.388	29.53	VA1T	31.9	-22.2	39.23	54	-14.77	-	-	275	384	V
1	* 2.39	40.04	Pk	31.9	-22.2	49.74	-	-	74	-24.26	275	384	V
3	* 2.39	29.47	VA1T	31.9	-22.2	39.17	54	-14.83	-	-	275	384	V

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

Pk - Peak detector

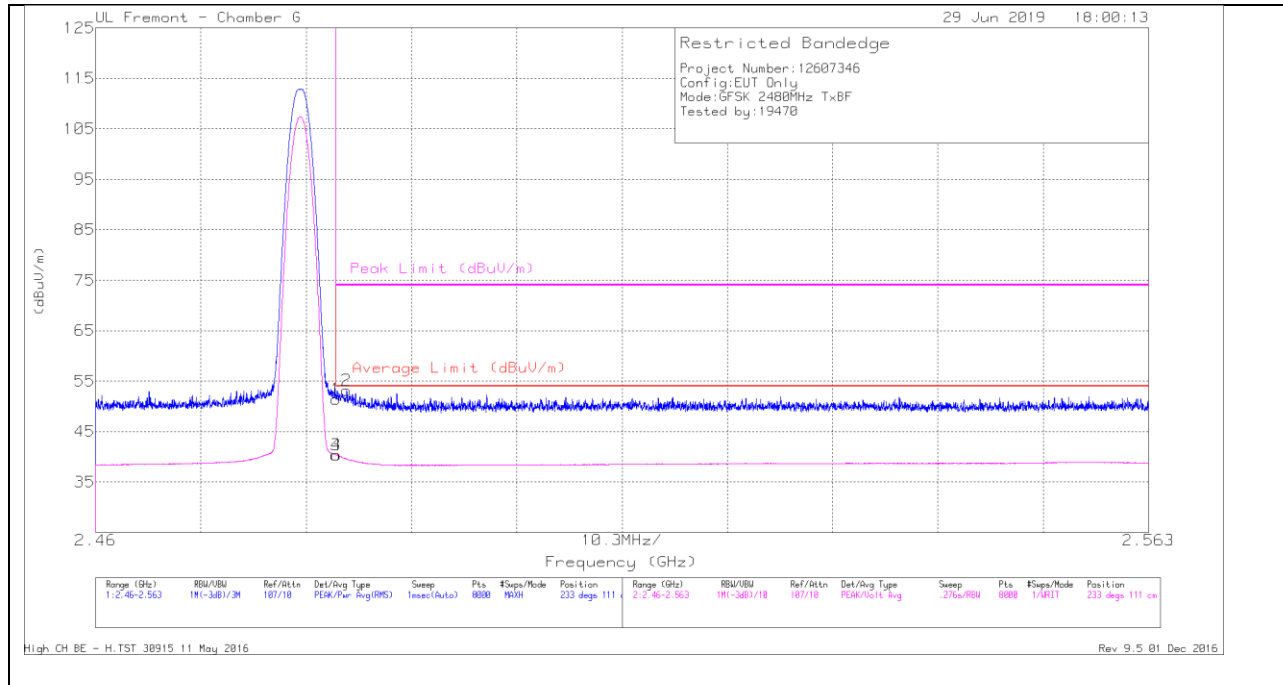
VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

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BANEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dBm)	Ampl/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	41.1	Pk	32.4	-22.1	51.4	-	-	74	-22.6	233	111	H
2	* 2.485	42.89	Pk	32.4	-22.1	53.19	-	-	74	-20.81	233	111	H
3	* 2.484	30.08	VA1T	32.4	-22.1	40.38	54	-13.62	-	-	233	111	H
4	* 2.484	30.01	VA1T	32.4	-22.1	40.31	54	-13.69	-	-	233	111	H

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

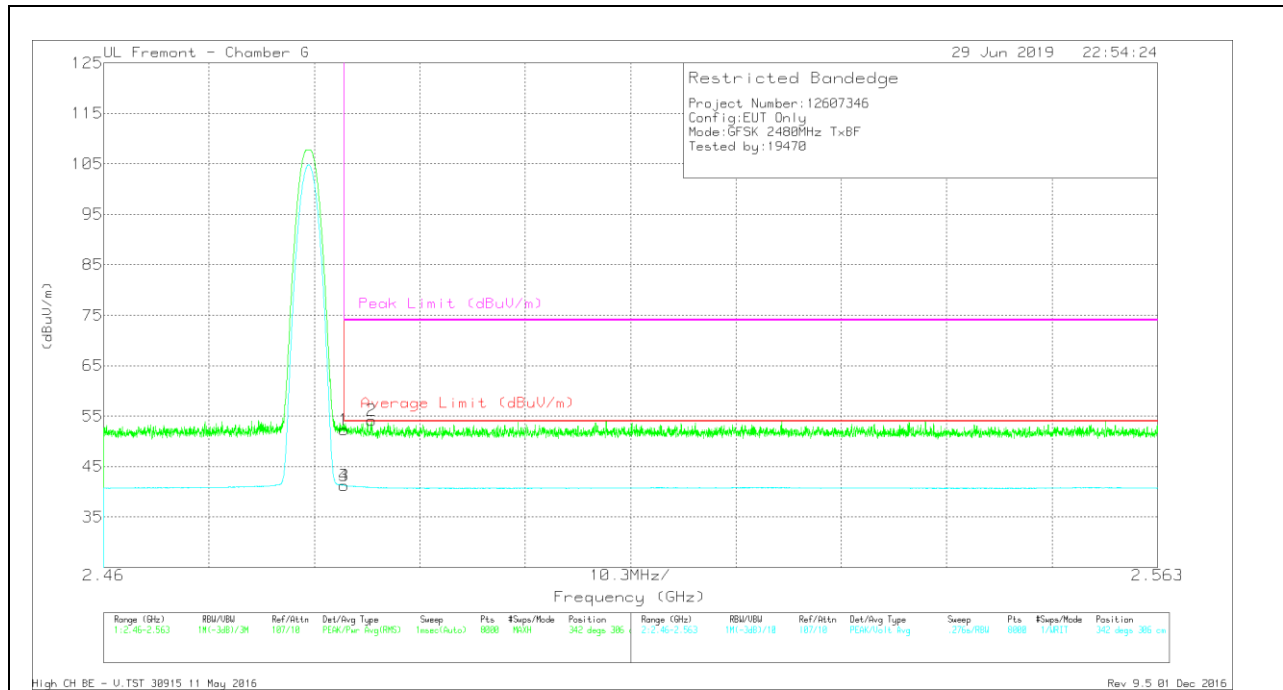
Pk - Peak detector

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

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VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cb/Filt/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	42.01	Pk	32.4	-22.1	52.31	-	-	74	-21.69	342	306	V
3	* 2.484	30.97	VA1T	32.4	-22.1	41.27	54	-12.73	-	-	342	306	V
4	* 2.484	30.97	VA1T	32.4	-22.1	41.27	54	-12.73	-	-	342	306	V
2	* 2.486	43.95	Pk	32.4	-22.2	54.15	-	-	74	-19.85	342	306	V

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

Pk - Peak detector

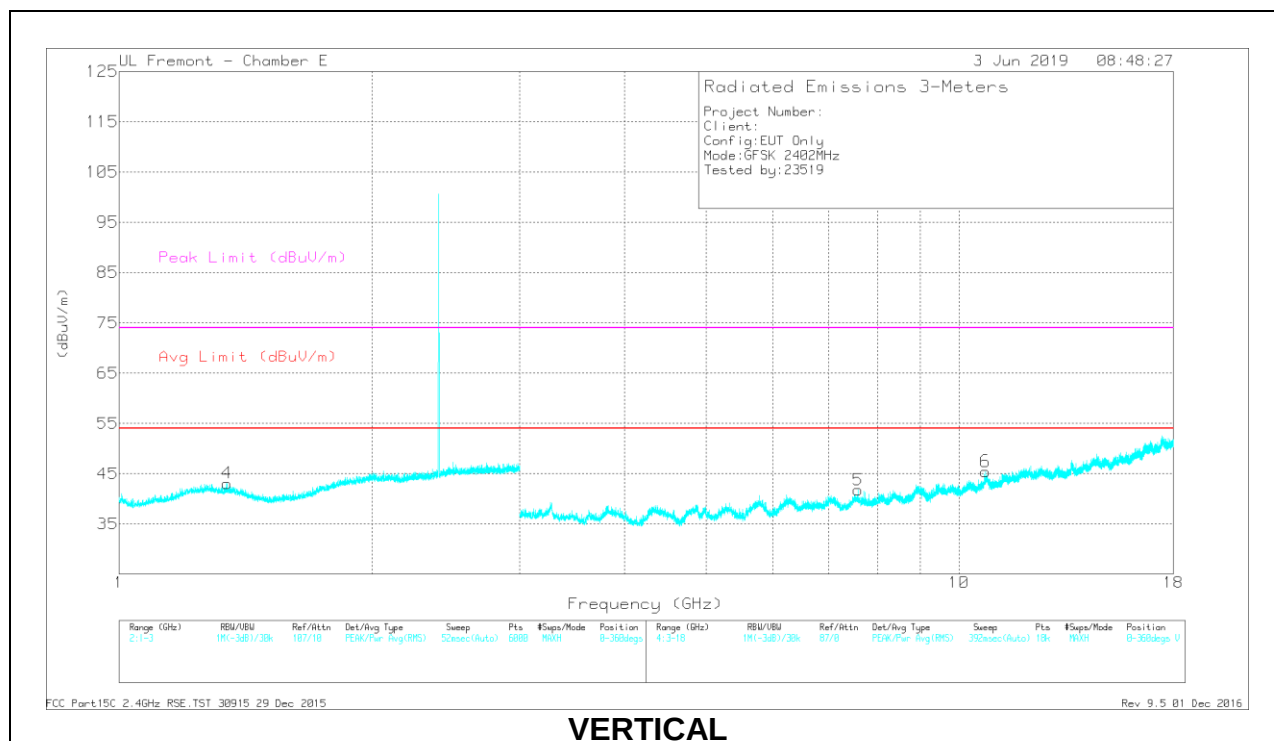
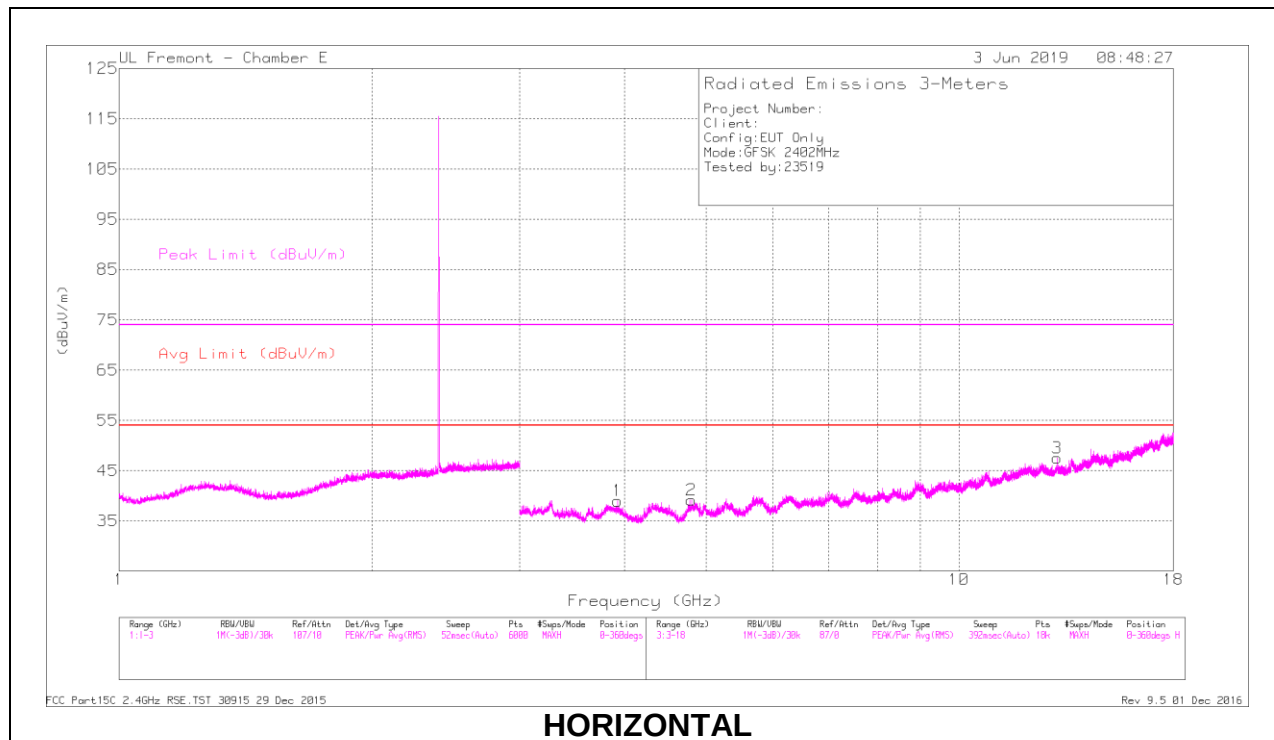
VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

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HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

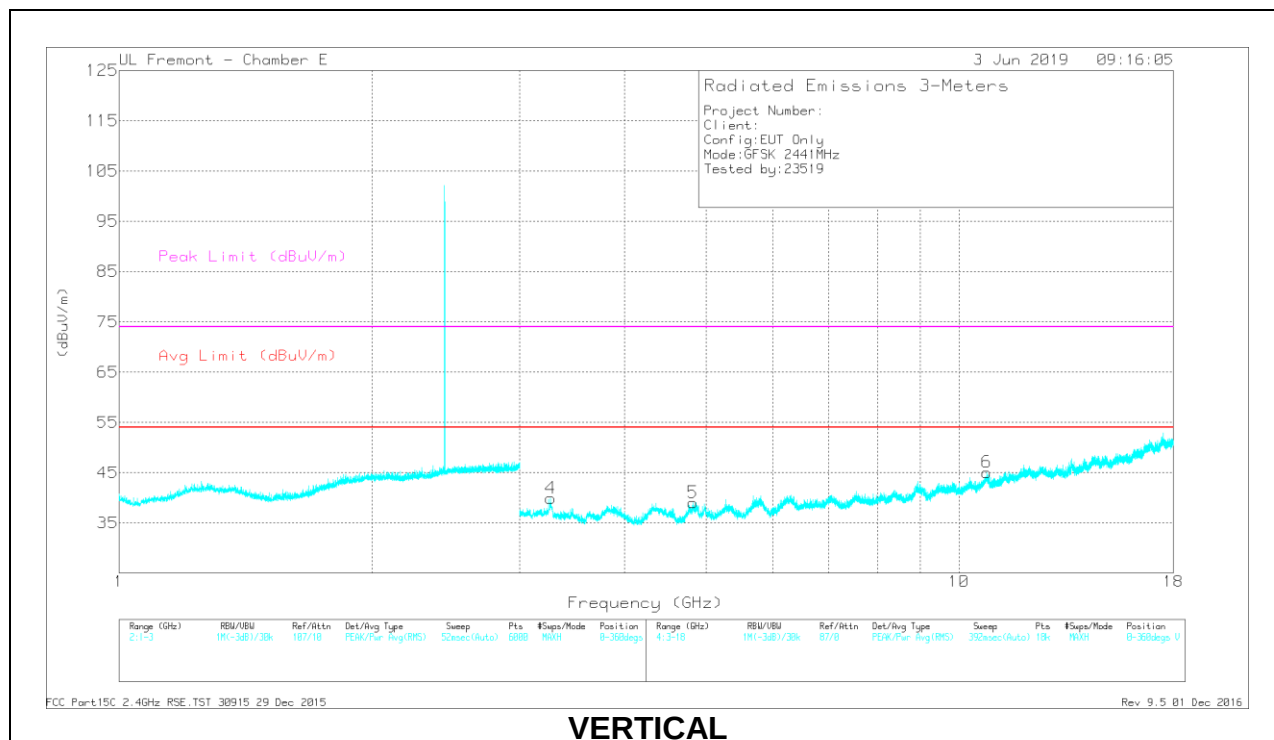
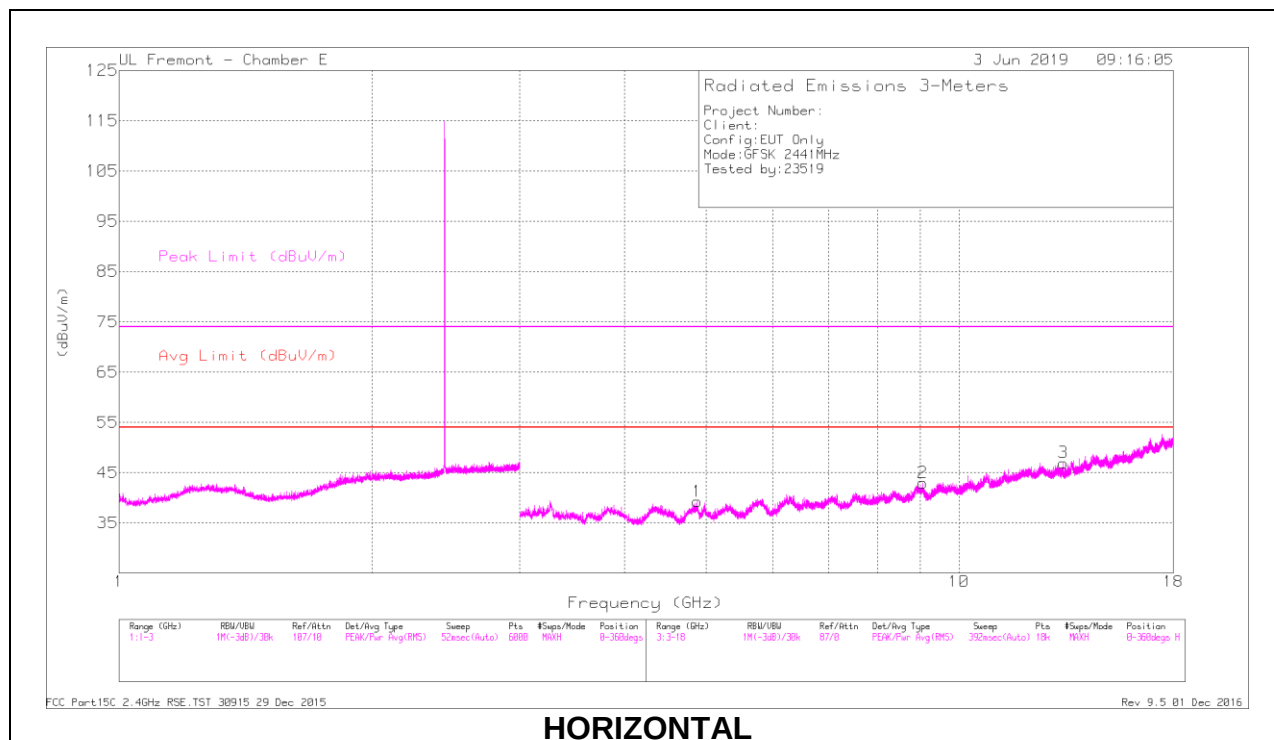
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.923	41.25	PKFH	33.4	-30.8	43.85	-	-	74	-30.15	142	241	H
	* 3.922	29.6	VA1T	33.4	-30.8	32.2	54	-21.8	-	-	142	241	H
2	* 4.803	40.83	PKFH	34.1	-30.5	44.43	-	-	74	-29.57	206	309	H
	* 4.804	29.36	VA1T	34.1	-30.4	33.06	54	-20.94	-	-	206	309	H
3	13.088	34.77	PKFH	39	-21.1	52.67	-	-	-	-	80	191	H
4	* 1.342	45.21	PKFH	29.6	-26.2	48.61	-	-	74	-25.39	259	194	V
	* 1.345	32.73	VA1T	29.6	-26.2	36.13	54	-17.87	-	-	259	194	V
5	* 7.584	37.16	PKFH	35.8	-26.8	46.16	-	-	74	-27.84	176	277	V
	* 7.582	25.57	VA1T	35.7	-26.7	34.57	54	-19.43	-	-	176	277	V
6	* 10.754	36.22	PKFH	38	-23.7	50.52	-	-	74	-23.48	245	233	V
	* 10.753	24.2	VA1T	38	-23.7	38.5	54	-15.5	-	-	245	233	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

MID CHANNEL RESULTS



RADIATED EMISSIONS

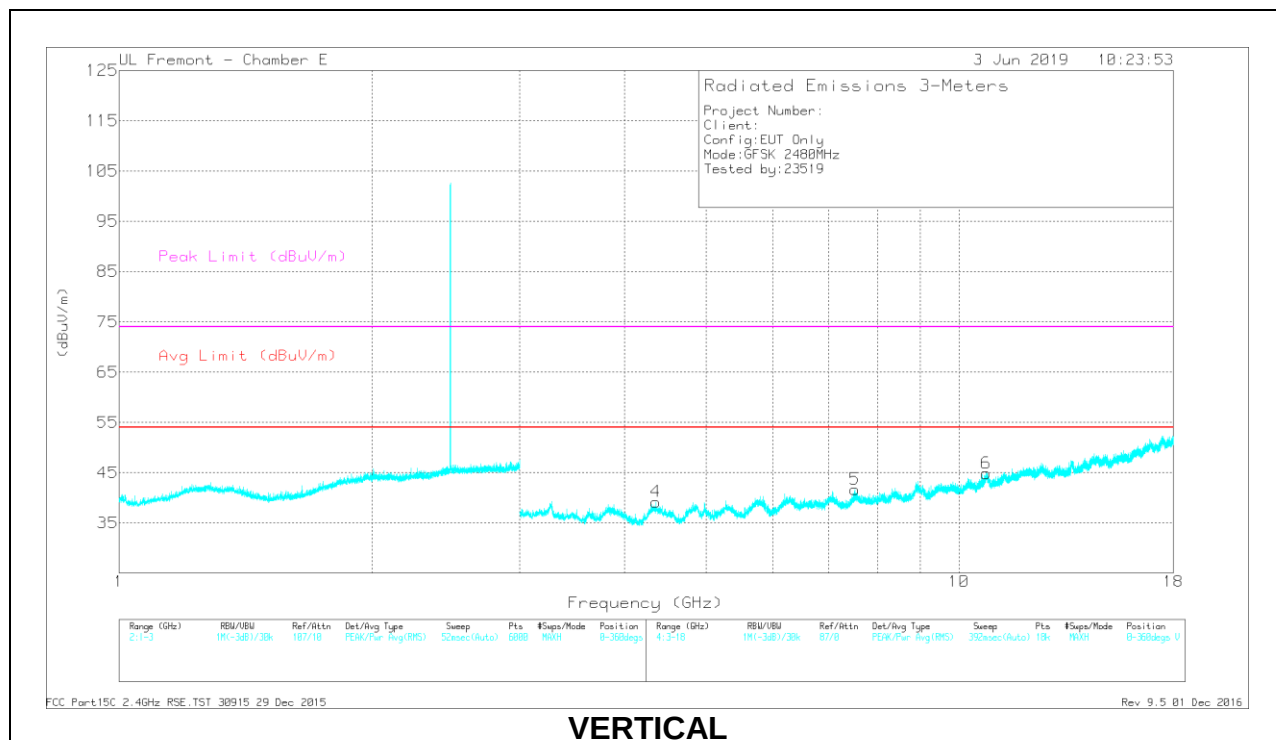
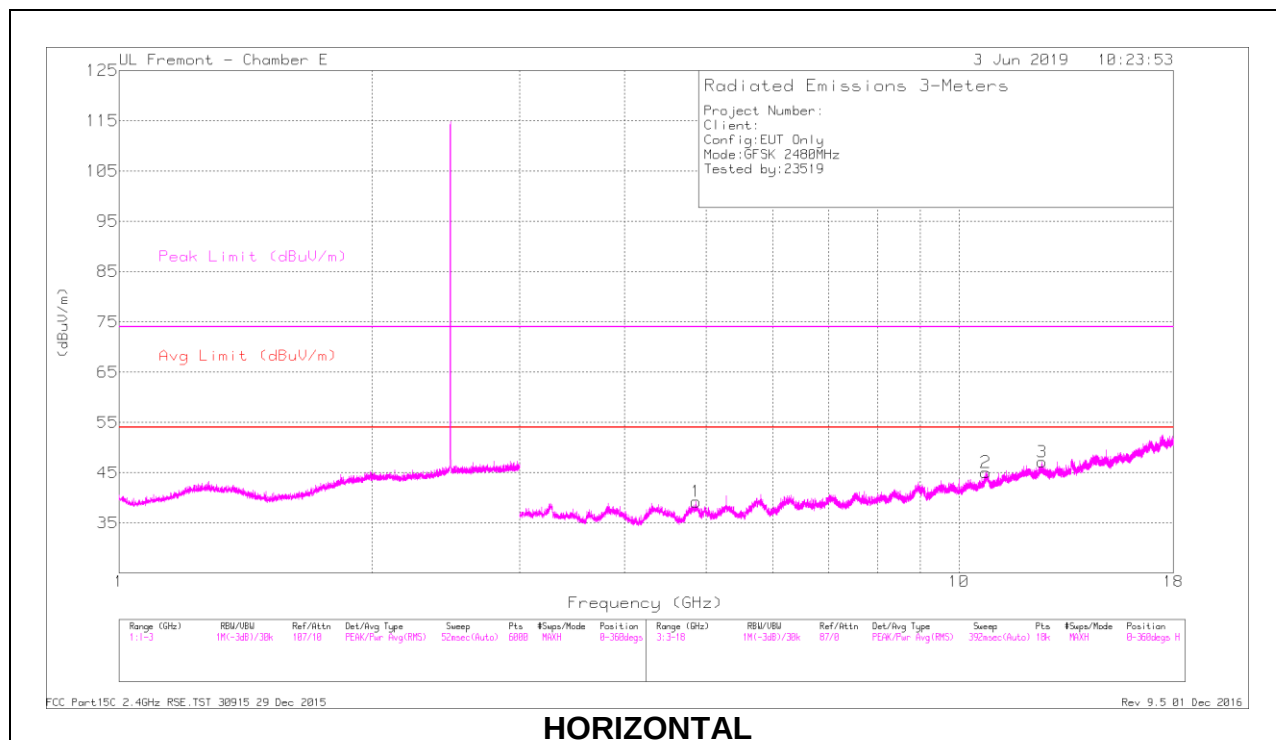
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.882	40.87	PKFH	34	-30	44.87	-	-	74	-29.13	176	192	H
	* 4.882	29.75	VA1T	34	-30	33.75	54	-20.25	-	-	176	192	H
2	* 9.062	37.26	PKFH	36.2	-24.3	49.16	-	-	74	-24.84	135	238	H
	* 9.062	24.55	VA1T	36.2	-24.3	36.45	54	-17.55	-	-	135	238	H
3	* 13.308	34.1	PKFH	39	-21.9	51.2	-	-	74	-22.8	242	303	H
	* 13.311	22.63	VA1T	39	-21.9	39.73	54	-14.27	-	-	242	303	H
4	* 3.263	43.2	PKFH	35.1	-33.3	45	-	-	74	-29	299	400	V
	* 3.267	31.8	VA1T	35	-33.4	33.4	54	-20.6	-	-	299	400	V
5	* 4.82	40.43	PKFH	34.1	-30.2	44.33	-	-	74	-29.67	199	303	V
	* 4.823	28.66	VA1T	34.1	-30.1	32.66	54	-21.34	-	-	199	303	V
6	* 10.788	35.83	PKFH	37.9	-22.9	50.83	-	-	74	-23.17	281	246	V
	* 10.79	23.99	VA1T	37.9	-22.9	38.99	54	-15.01	-	-	281	246	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

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.865	40.54	PKFH	34	-29.8	44.74	-	-	74	-29.26	36	111	H
	* 4.868	28.62	VA1T	34	-29.8	32.82	54	-21.18	-	-	36	111	H
2	* 10.766	36.43	PKFH	37.9	-23.4	50.93	-	-	74	-23.07	272	204	H
	* 10.764	24.02	VA1T	37.9	-23.5	38.42	54	-15.58	-	-	272	204	H
3	* 12.559	35.1	PKFH	39.1	-21.3	52.9	-	-	74	-21.1	178	343	H
	* 12.559	22.65	VA1T	39.1	-21.3	40.45	54	-13.55	-	-	178	343	H
4	* 4.359	40.14	PKFH	33.7	-29.5	44.34	-	-	74	-29.66	250	300	V
	* 4.358	28.75	VA1T	33.7	-29.6	32.85	54	-21.15	-	-	250	300	V
5	* 7.525	37.32	PKFH	35.7	-26.5	46.52	-	-	74	-27.48	338	258	V
	* 7.523	25.55	VA1T	35.7	-26.5	34.75	54	-19.25	-	-	338	258	V
6	* 10.781	36.66	PKFH	37.9	-23.1	51.46	-	-	74	-22.54	241	316	V
	* 10.781	24.08	VA1T	37.9	-23.1	38.88	54	-15.12	-	-	241	316	V

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

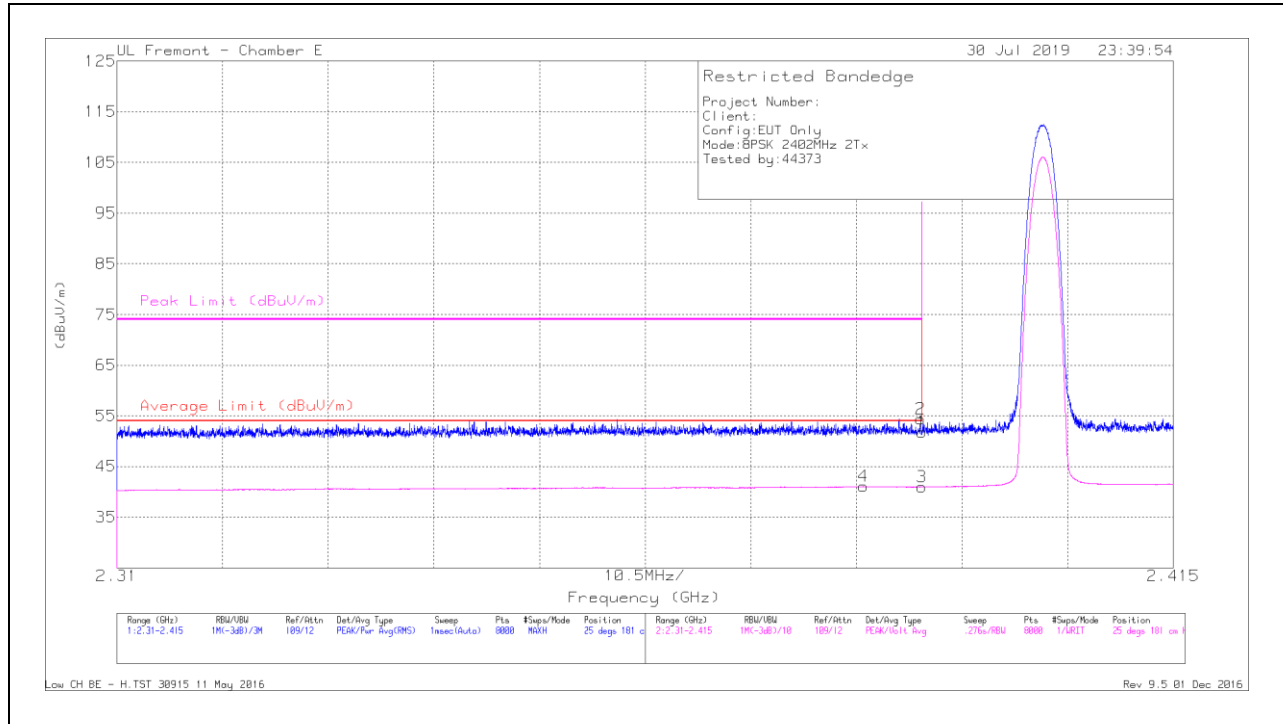
PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

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

9.2.2. HIGH POWER ENHANCED DATA RATE 8PSK MODULATION

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



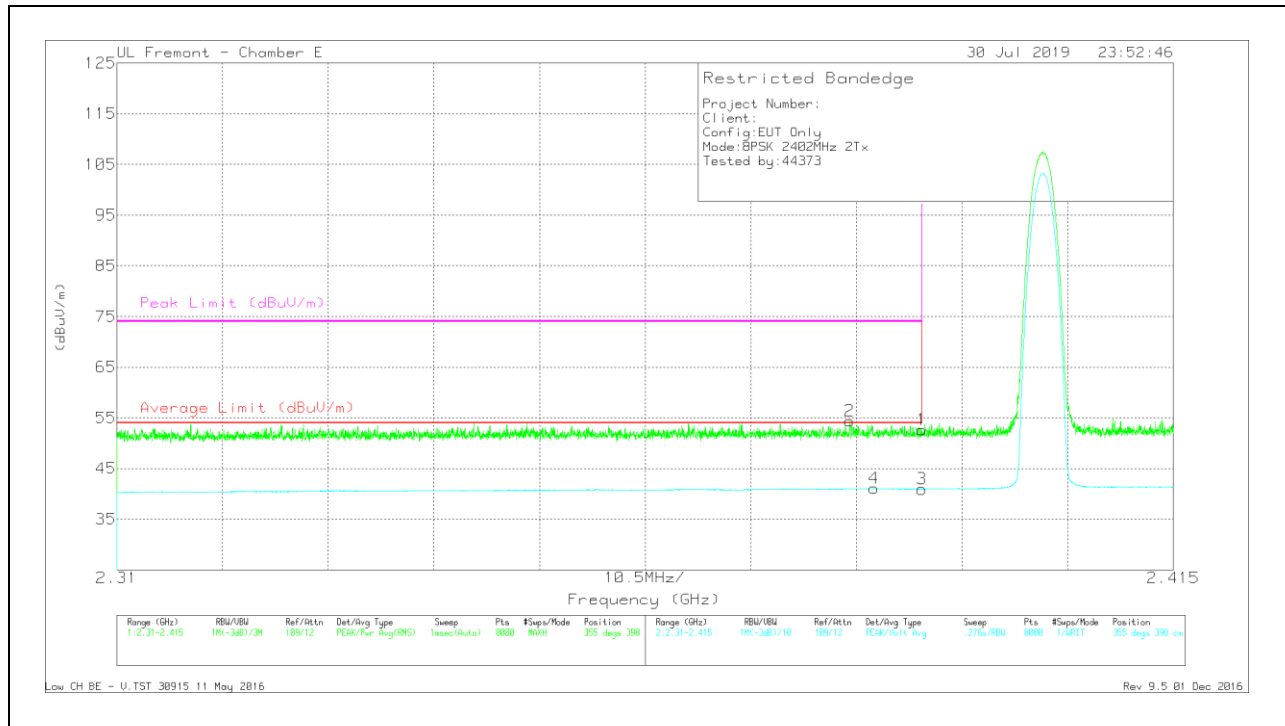
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 2.384	26.95	VA1T	32.3	-18.2	41.05	54	-12.95	-	-	25	181	H
1	* 2.39	37.74	Pk	32.3	-18.3	51.74	-	-	74	-22.26	25	181	H
2	* 2.39	40.39	Pk	32.3	-18.3	54.39	-	-	74	-19.61	25	181	H
3	* 2.39	26.97	VA1T	32.3	-18.3	40.97	54	-13.03	-	-	25	181	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

VERTICAL RESULT



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
2	* 2.383	40.4	Pk	32.3	-18.3	54.4	-	-	74	-19.6	355	398	V
4	* 2.385	26.95	VA1T	32.3	-18.2	41.05	54	-12.95	-	-	355	398	V
1	* 2.39	38.64	Pk	32.3	-18.3	52.64	-	-	74	-21.36	355	398	V
3	* 2.39	26.92	VA1T	32.3	-18.3	40.92	54	-13.08	-	-	355	398	V

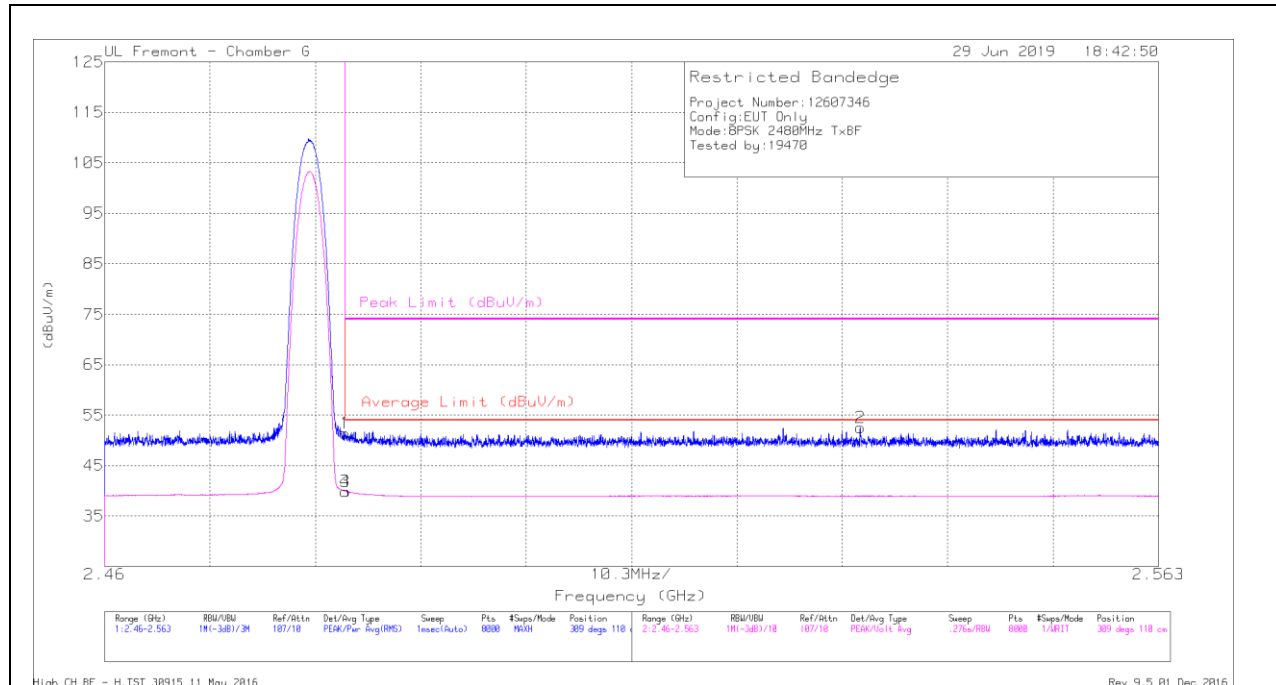
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

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

BANEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dBm)	Ampl/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	41.06	Pk	32.4	-22.1	51.36	-	-	74	-22.64	309	110	H
3	* 2.484	29.59	VA1T	32.4	-22.1	39.89	54	-14.11	-	-	309	110	H
4	* 2.484	29.58	VA1T	32.4	-22.1	39.88	54	-14.12	-	-	309	110	H
2	2.534	42.37	Pk	32.4	-22.2	52.57	-	-	74	-21.43	309	110	H

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

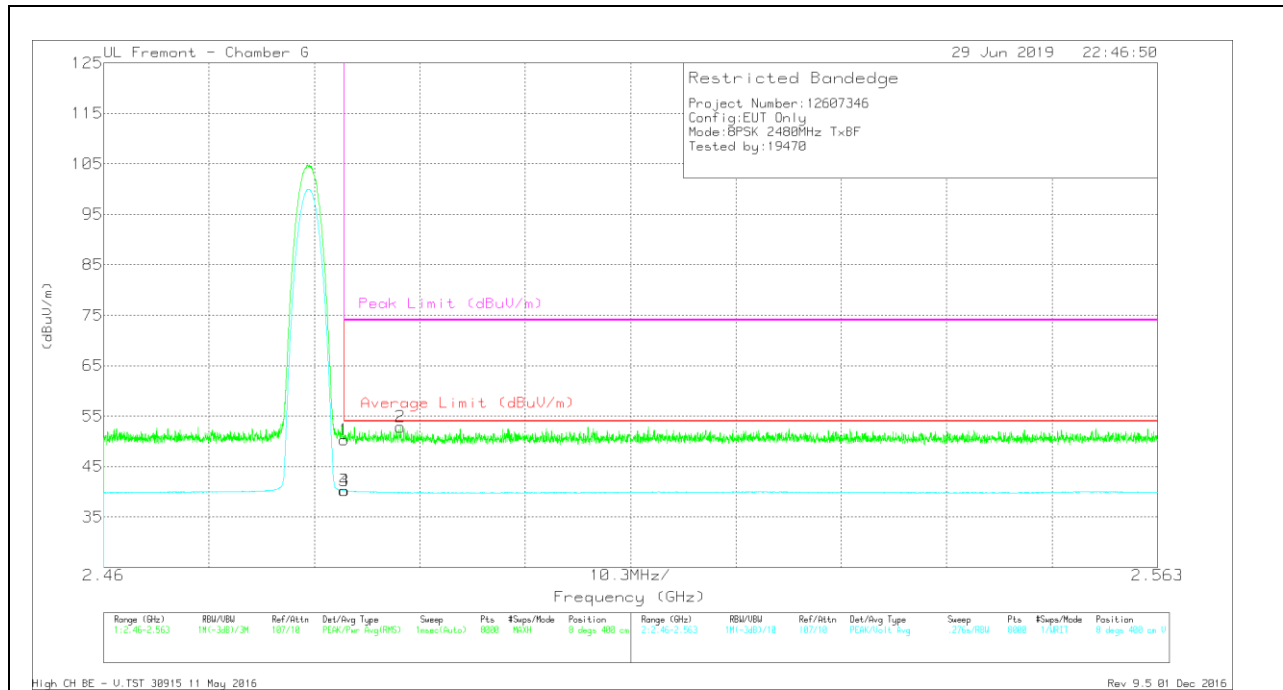
Pk - Peak detector

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

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VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cb/Filt/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.01	Pk	32.4	-22.1	50.31	-	-	74	-23.69	8	400	V
3	* 2.484	29.93	VA1T	32.4	-22.1	40.23	54	-13.77	-	-	8	400	V
4	* 2.484	29.94	VA1T	32.4	-22.1	40.24	54	-13.76	-	-	8	400	V
2	* 2.489	42.64	Pk	32.4	-22.2	52.84	-	-	74	-21.16	8	400	V

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

Pk - Peak detector

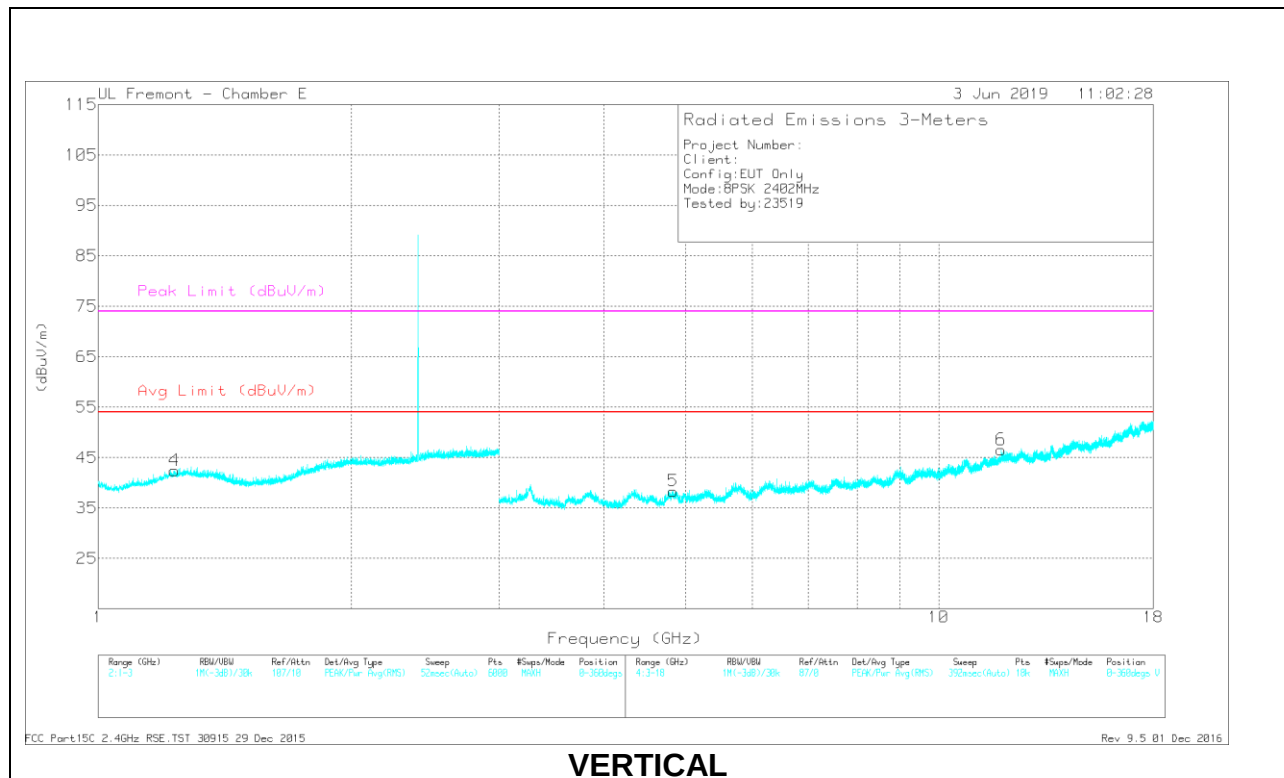
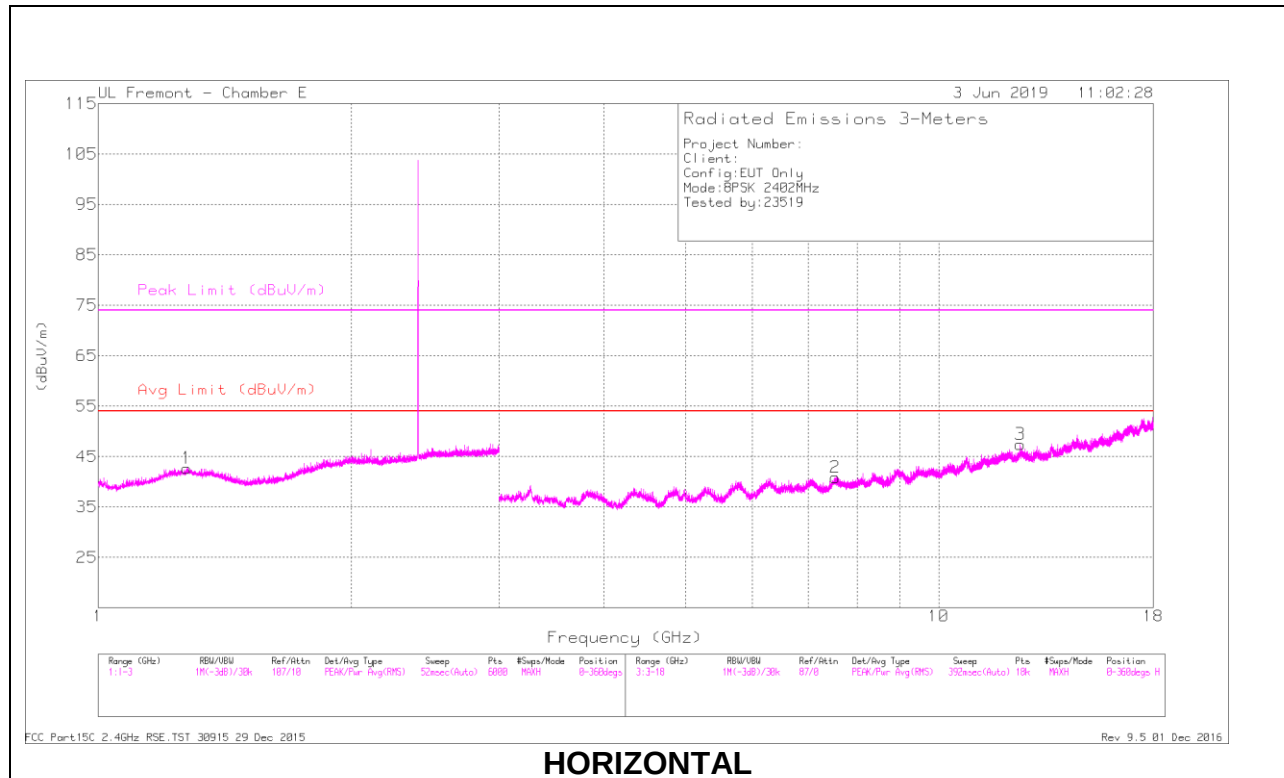
VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

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HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

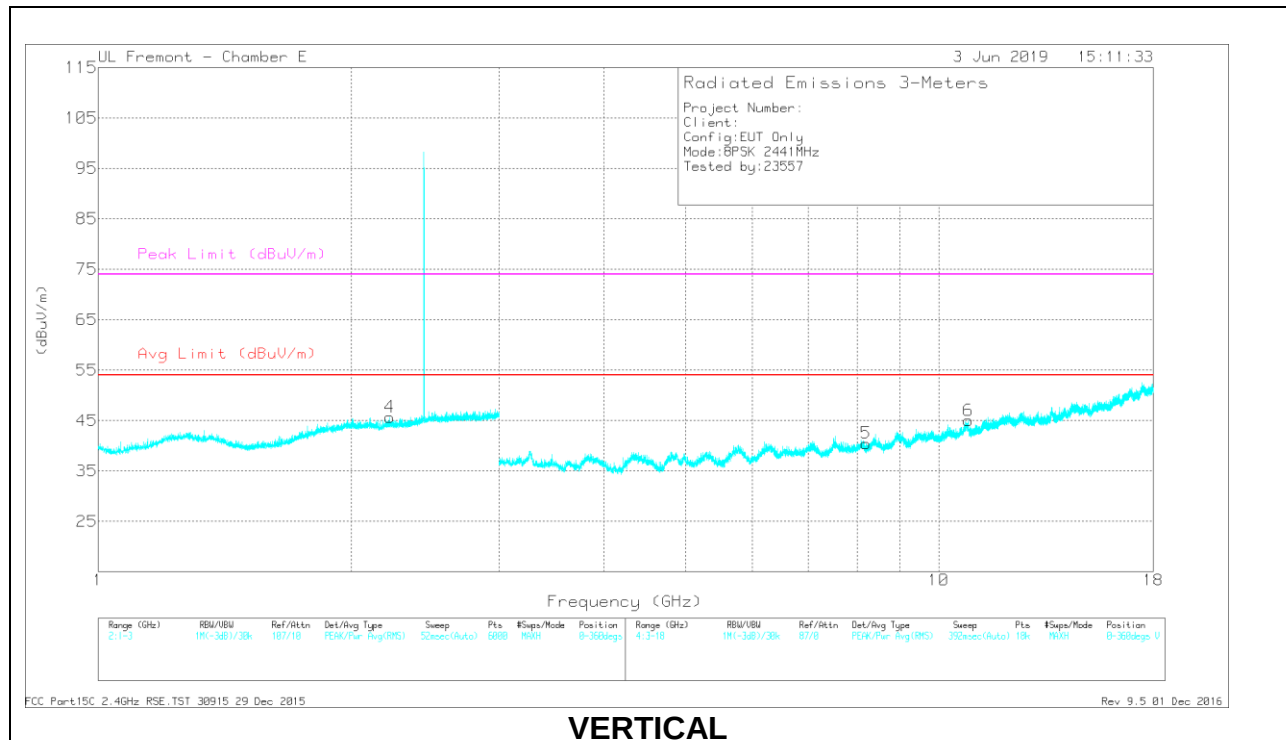
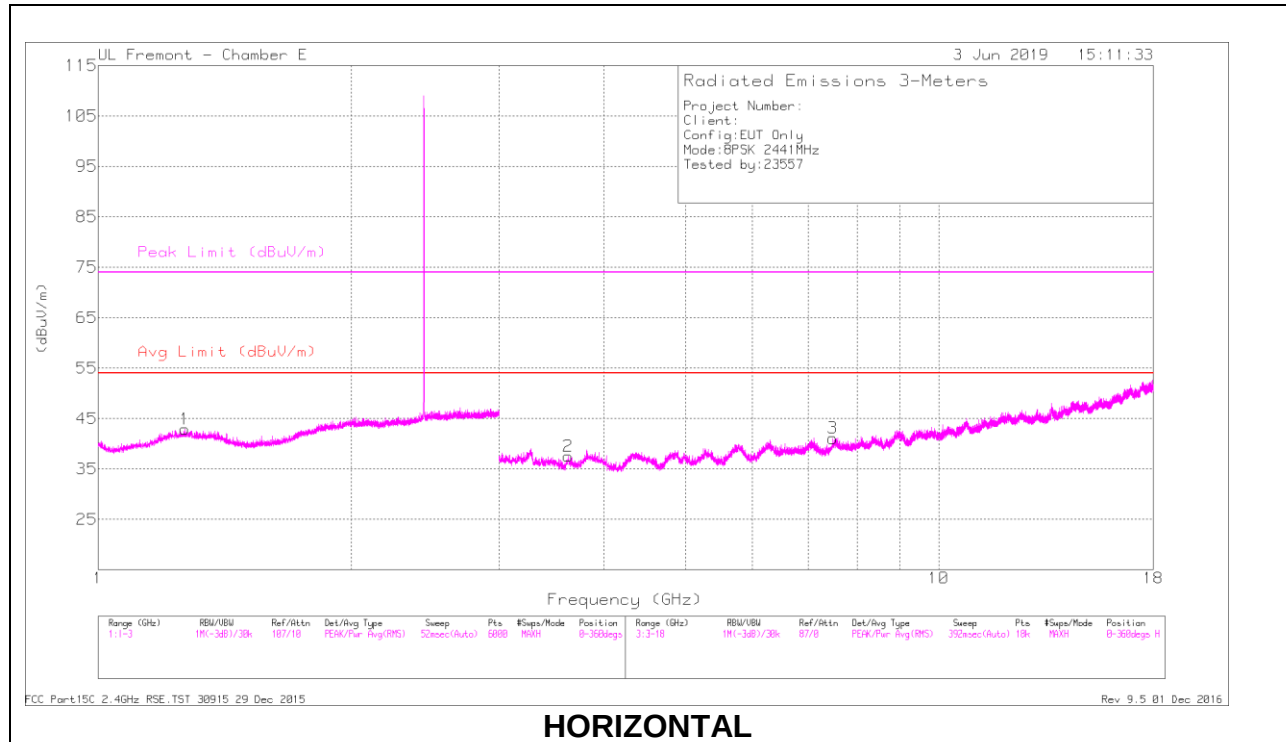
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.275	45.11	PKFH	30.2	-26.2	49.11	-	-	74	-24.89	315	113	H
	* 1.277	32.69	VA1T	30.2	-26.2	36.69	54	-17.31	-	-	315	113	H
2	* 7.532	37.44	PKFH	35.7	-26.4	46.74	-	-	74	-27.26	242	398	H
	* 7.529	25.59	VA1T	35.7	-26.4	34.89	54	-19.11	-	-	242	398	H
3	* 12.505	35.2	PKFH	39	-21.5	52.7	-	-	74	-21.3	322	147	H
	* 12.504	22.68	VA1T	39	-21.5	40.18	54	-13.82	-	-	322	147	H
4	* 1.235	44.56	PKFH	29.9	-26.1	48.36	-	-	74	-25.64	255	207	V
	* 1.232	32.56	VA1T	29.9	-26.1	36.36	54	-17.64	-	-	255	207	V
5	* 4.828	40.67	PKFH	34.1	-30	44.77	-	-	74	-29.23	231	253	V
	* 4.827	28.77	VA1T	34.1	-30	32.87	54	-21.13	-	-	231	253	V
6	* 11.863	34.82	PKFH	38.9	-22.2	51.52	-	-	74	-22.48	147	231	V
	* 11.863	22.95	VA1T	39	-22.2	39.75	54	-14.25	-	-	147	231	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

MID CHANNEL RESULTS



RADIATED EMISSIONS

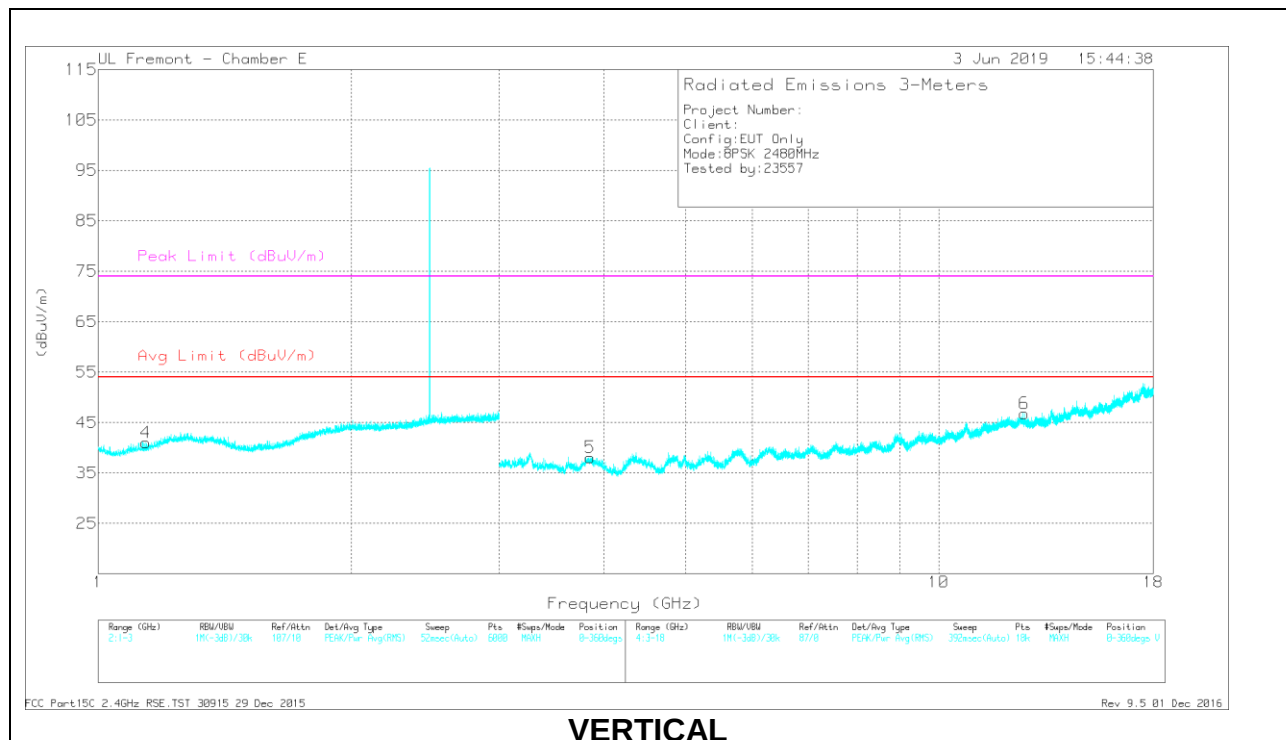
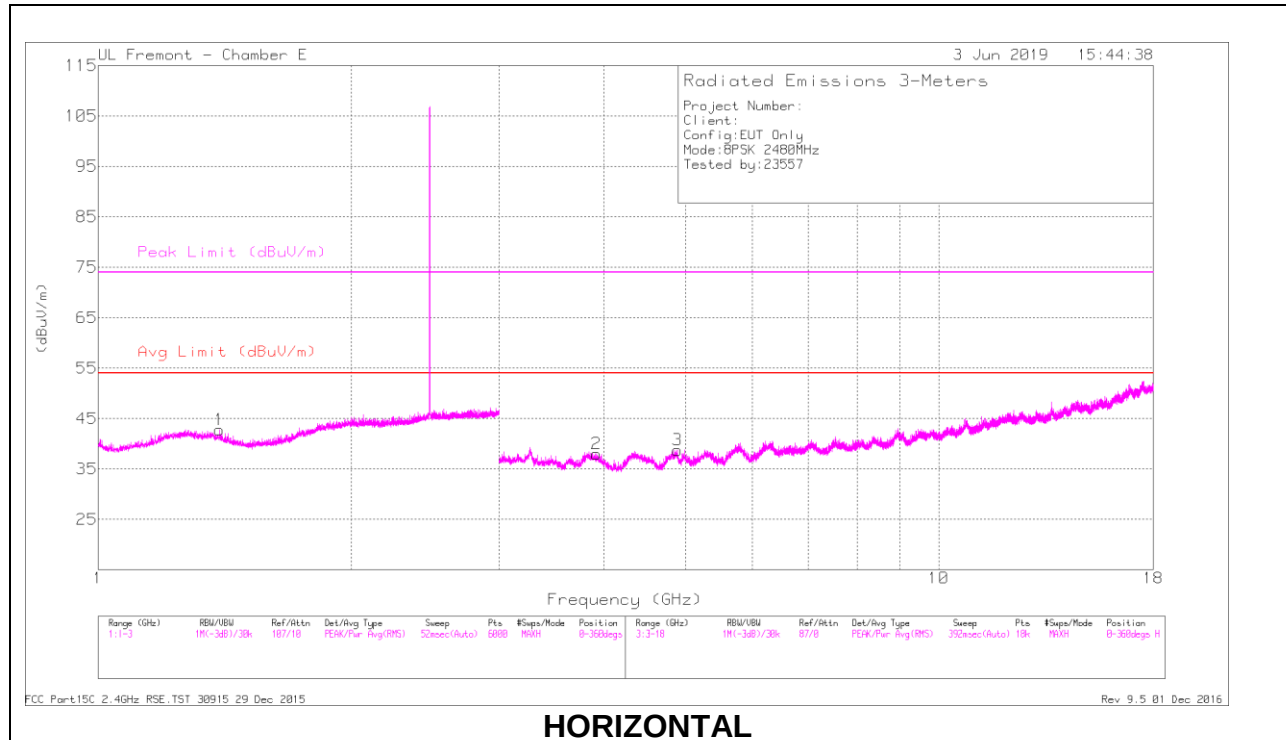
Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.27	44.31	PKFH	30	-26.2	48.11	-	-	74	-25.89	120	157	H
	* 1.27	32.59	VA1T	30.1	-26.2	36.49	54	-17.51	-	-	120	157	H
2	* 3.625	42.42	PKFH	33.5	-32.9	43.02	-	-	74	-30.98	212	244	H
	* 3.626	30.38	VA1T	33.5	-32.9	30.98	54	-23.02	-	-	212	244	H
3	* 7.485	38.25	PKFH	35.6	-26.8	47.05	-	-	74	-26.95	307	154	H
	* 7.482	25.73	VA1T	35.7	-26.9	34.53	54	-19.47	-	-	307	154	H
4	* 2.225	44.66	PKFH	32	-26.4	50.26	-	-	74	-23.74	355	190	V
	* 2.223	33.09	VA1T	32	-26.4	38.69	54	-15.31	-	-	355	190	V
5	* 8.189	37.45	PKFH	35.8	-27	46.25	-	-	74	-27.75	28	398	V
	* 8.191	25.4	VA1T	35.8	-27	34.2	54	-19.8	-	-	28	398	V
6	* 10.849	36.22	PKFH	37.9	-23.9	50.22	-	-	74	-23.78	80	311	V
	* 10.848	24.24	VA1T	37.9	-23.9	38.24	54	-15.76	-	-	80	311	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

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
	* 1.395	44.62	PKFH	29.2	-26.2	47.62	-	-	74	-26.38	102	166	H
1	* 1.396	32.75	VA1T	29.2	-26.2	35.75	54	-18.25	-	-	102	166	H
	* 1.141	44.08	PKFH	28.1	-25.9	46.28	-	-	74	-27.72	50	153	V
4	* 1.141	32.38	VA1T	28.1	-25.9	34.58	54	-19.42	-	-	50	153	V
	* 3.916	41.79	PKFH	33.4	-30.8	44.39	-	-	74	-29.61	158	346	H
2	* 3.918	29.66	VA1T	33.4	-30.8	32.26	54	-21.74	-	-	158	346	H
	* 4.891	40.31	PKFH	33.9	-30.1	44.11	-	-	74	-29.89	17	396	H
3	* 4.891	28.77	VA1T	33.9	-30.1	32.57	54	-21.43	-	-	17	396	H
	* 3.846	41.93	PKFH	33.4	-30.7	44.63	-	-	74	-29.37	161	336	V
5	* 3.847	29.66	VA1T	33.4	-30.6	32.46	54	-21.54	-	-	161	336	V
	* 12.641	34.82	PKFH	39.1	-21.7	52.22	-	-	74	-21.78	289	291	V
6	* 12.641	22.44	VA1T	39.1	-21.7	39.84	54	-14.16	-	-	289	291	V

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

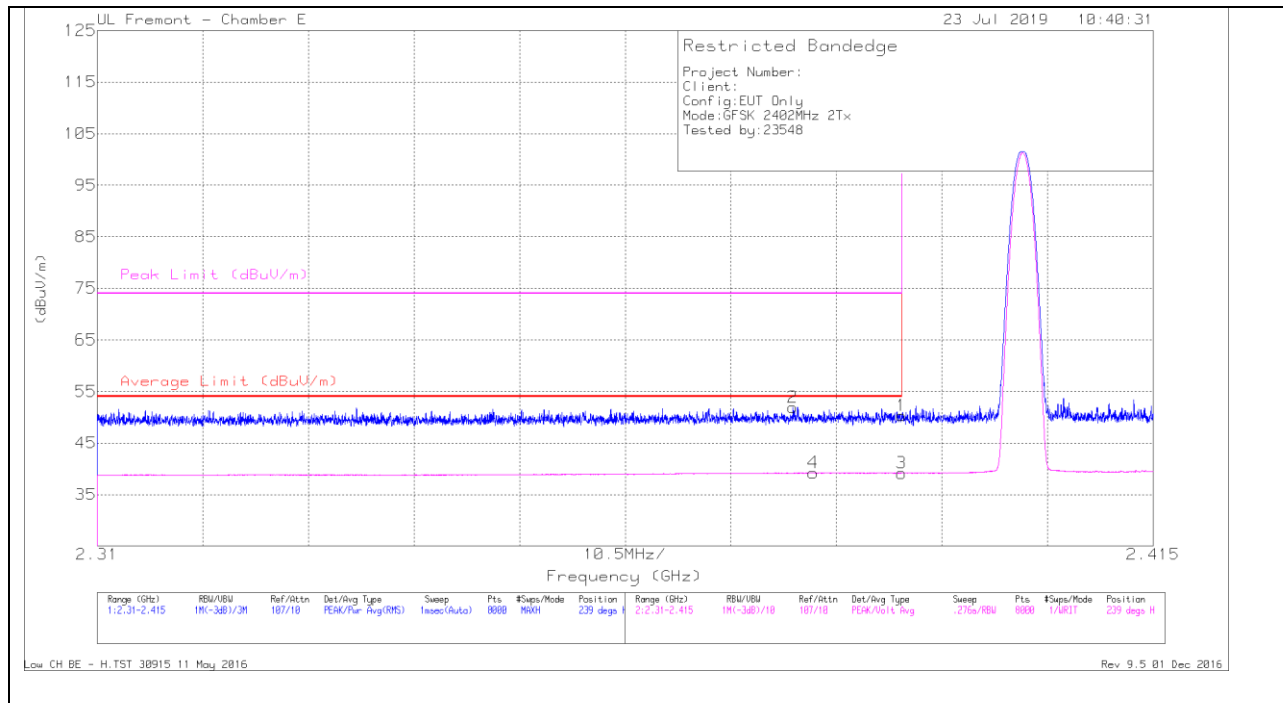
PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

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

9.2.3. LOW POWER BASIC DATA RATE GFSK MODULATION

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Ftr/P ad (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	44.21	Pk	32.3	-26.2	50.31	-	-	74	-23.69	239	129	H
2	* 2.379	45.92	Pk	32.2	-26.2	51.92	-	-	74	-22.08	239	129	H
3	* 2.39	33.06	VA1T	32.3	-26.2	39.16	54	-14.84	-	-	239	128	H
4	* 2.381	33.23	VA1T	32.3	-26.3	39.23	54	-14.77	-	-	239	128	H

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

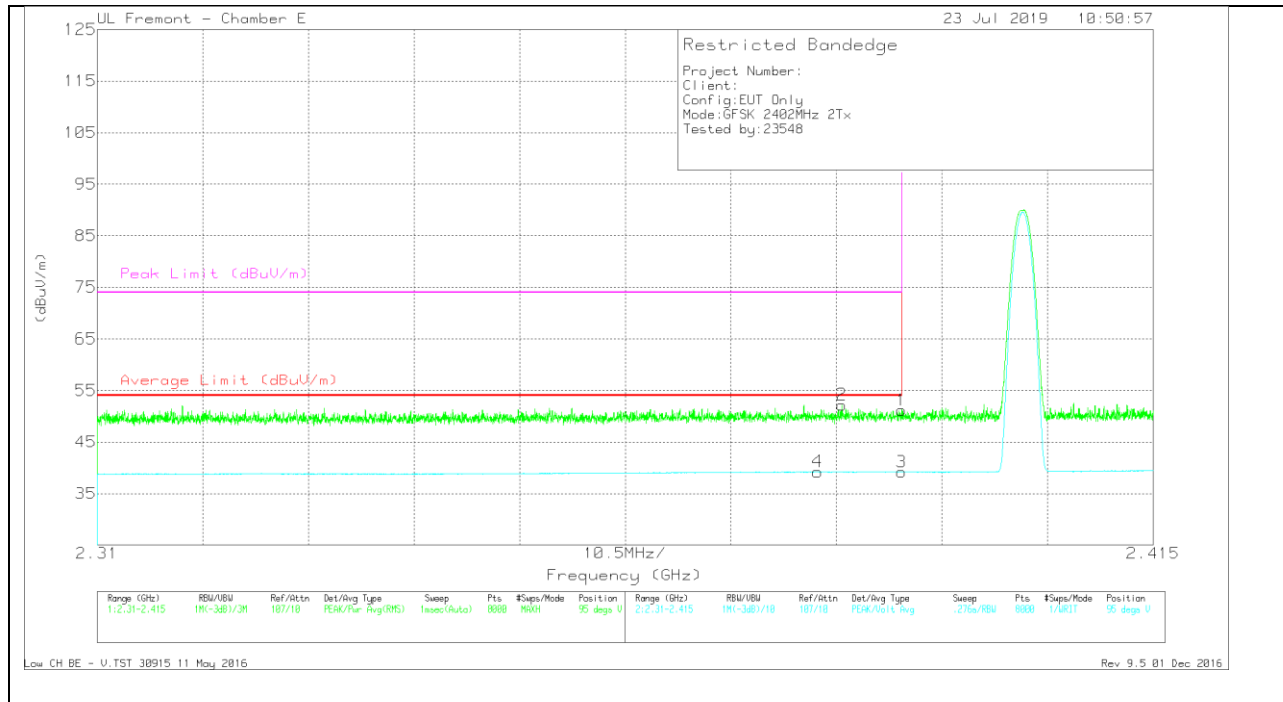
Pk - Peak detector

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

Low CH BE - H.TST 30915 11 May 2016

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VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb/Ftr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	45.08	Pk	32.3	-26.2	51.18	-	-	74	-22.82	95	399	V
2	* 2.384	46.21	Pk	32.3	-26.3	52.21	-	-	74	-21.79	95	399	V
3	* 2.39	33.1	VA1T	32.3	-26.2	39.2	54	-14.8	-	-	95	399	V
4	* 2.382	33.25	VA1T	32.3	-26.3	39.25	54	-14.75	-	-	95	399	V

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

Pk - Peak detector

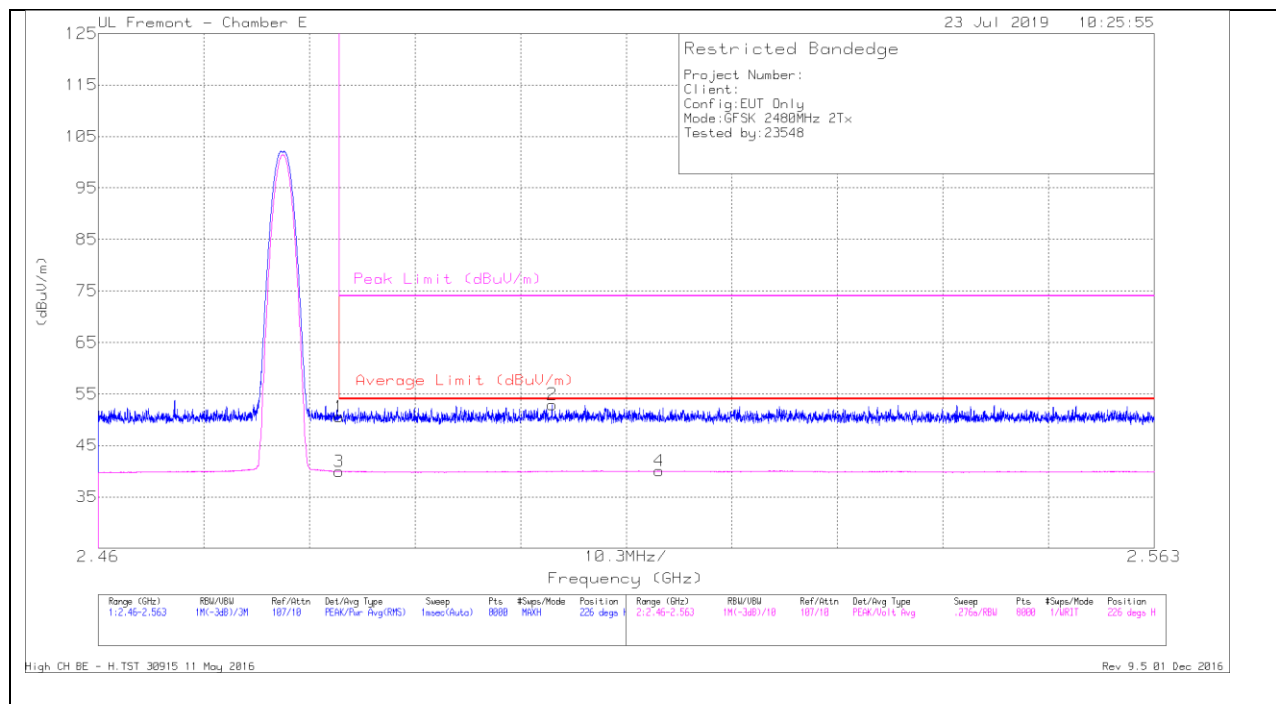
VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

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BANEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb/Filt/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	44.07	Pk	32.8	-26.3	50.57	-	-	74	-23.43	226	127	H
3	* 2.484	33.45	VA1T	32.8	-26.3	39.95	54	-14.05	-	-	226	127	H
2	2.504	46.33	Pk	32.9	-26.3	52.93	-	-	74	-21.07	226	127	H
4	2.515	33.35	VA1T	32.9	-26.2	40.05	54	-13.95	-	-	226	127	H

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

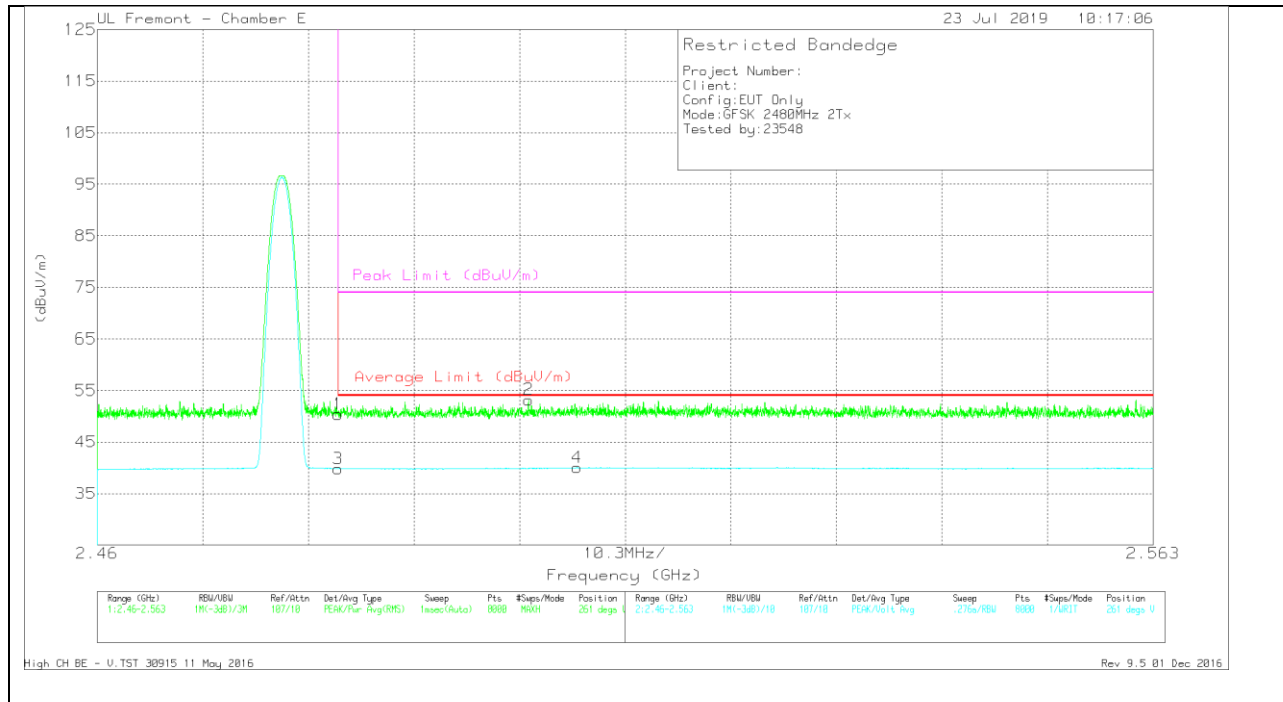
Pk - Peak detector

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

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VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb/Ftr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	43.9	Pk	32.8	-26.3	50.4	-	-	74	-23.6	261	362	V
3	* 2.484	33.33	VA1T	32.8	-26.3	39.83	54	-14.17	-	-	261	361	V
2	2.502	46.6	Pk	32.9	-26.3	53.2	-	-	74	-20.8	261	362	V
4	2.507	33.34	VA1T	32.9	-26.2	40.04	54	-13.96	-	-	261	361	V

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

Pk - Peak detector

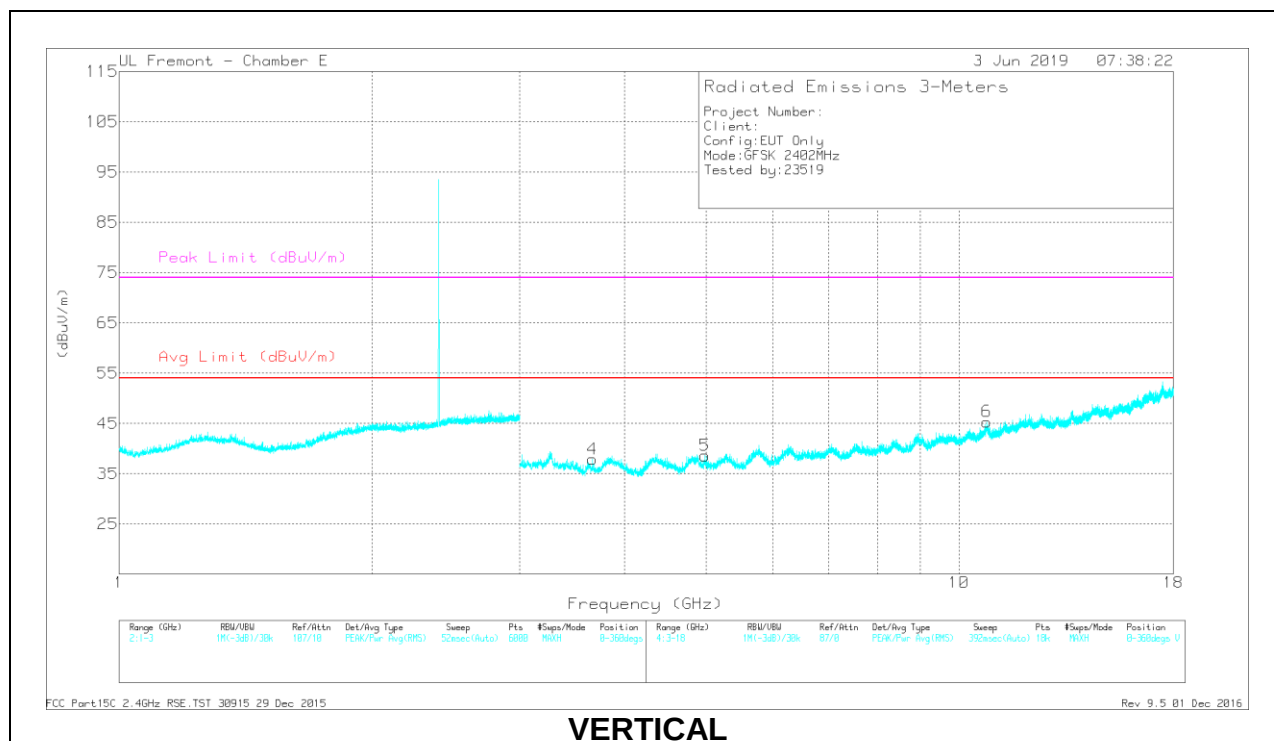
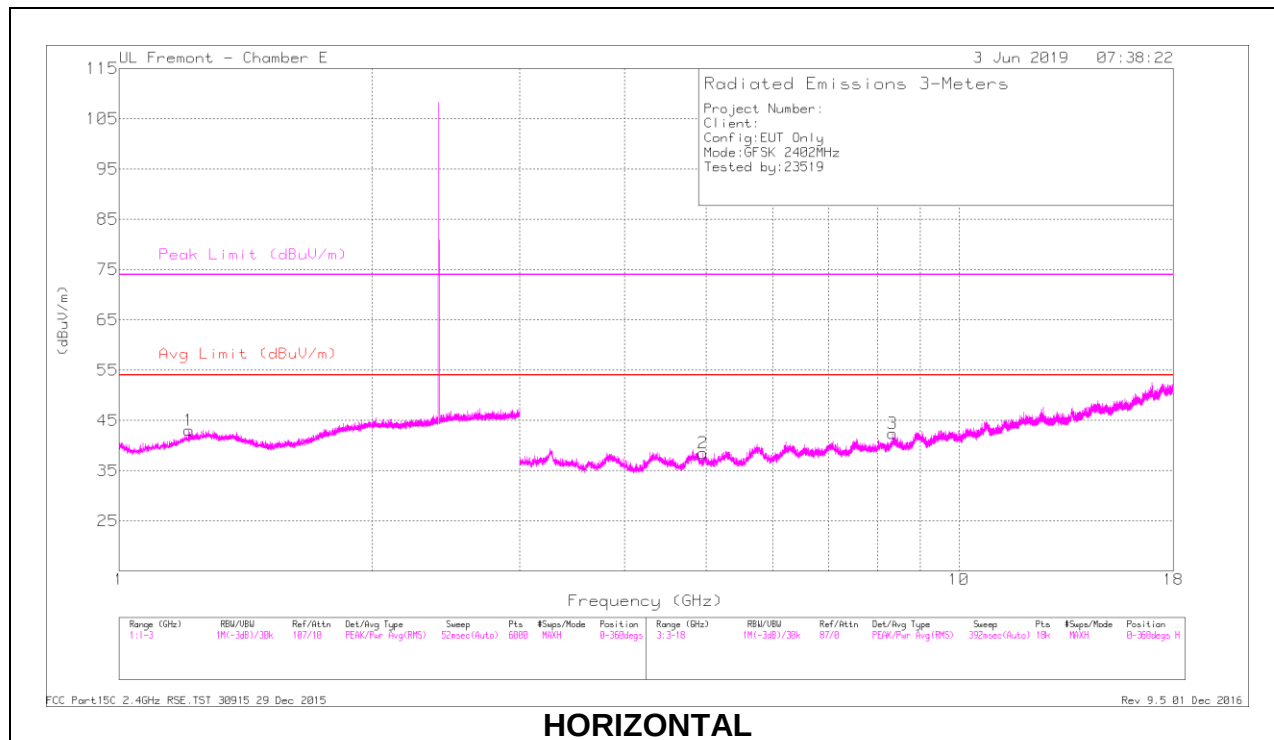
VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

High CH BE - V.TST 30915 11 May 2016

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HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

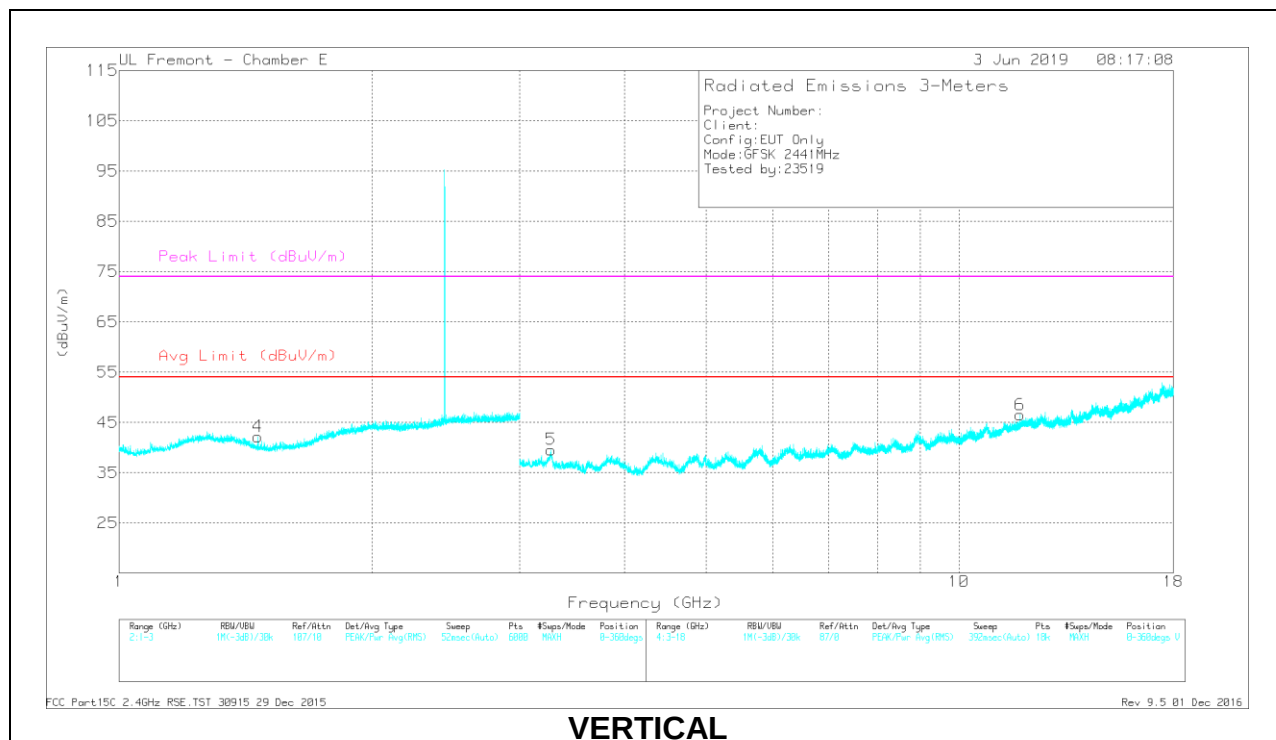
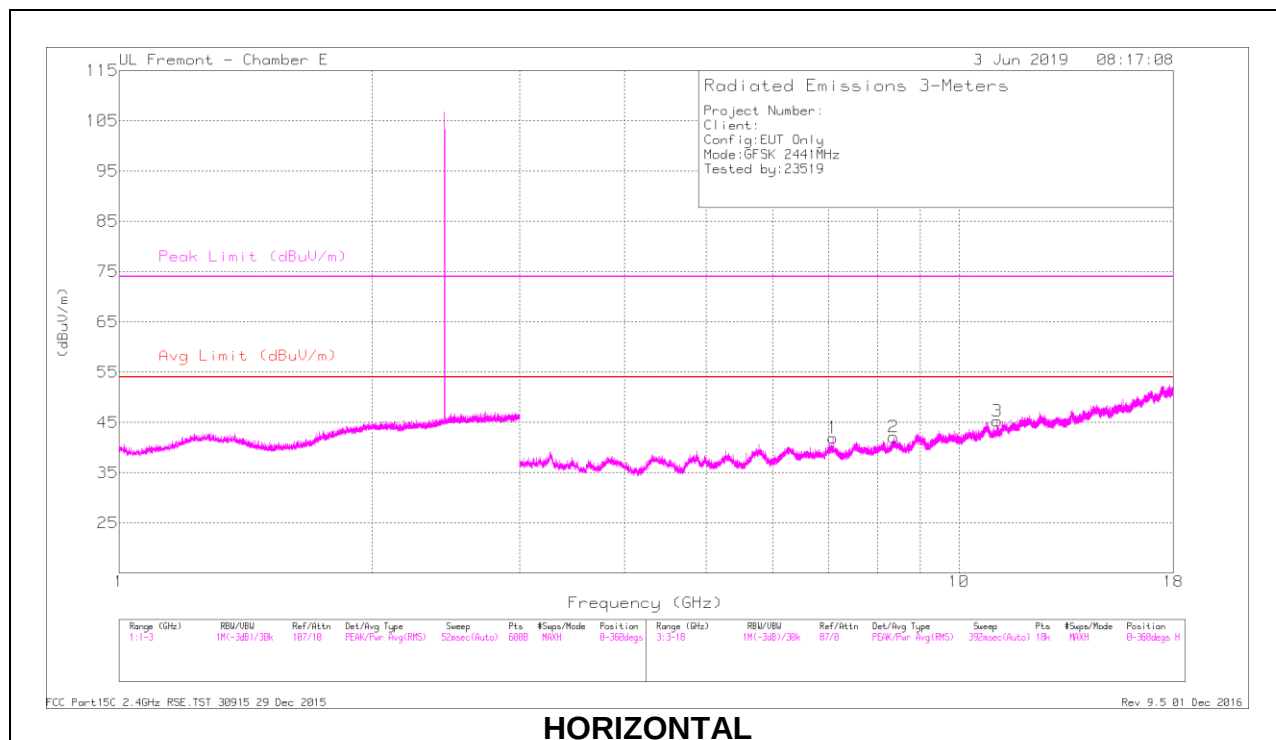
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.211	44.76	PKFH	29.6	-26.1	48.26	-	-	74	-25.74	22	204	H
	* 1.211	32.58	VA1T	29.6	-26.1	36.08	54	-17.92	-	-	22	204	H
2	* 4.955	40.54	PKFH	34	-30.4	44.14	-	-	74	-29.86	228	201	H
	* 4.954	28.86	VA1T	34	-30.4	32.46	54	-21.54	-	-	228	201	H
3	* 8.339	37.59	PKFH	35.8	-25.6	47.79	-	-	74	-26.21	332	335	H
	* 8.335	25.21	VA1T	35.8	-25.7	35.31	54	-18.69	-	-	332	335	H
4	* 3.664	42	PKFH	33.2	-33	42.2	-	-	74	-31.8	20	106	V
	* 3.666	30.47	VA1T	33.1	-33	30.57	54	-23.43	-	-	20	106	V
5	* 4.987	40.65	PKFH	34.1	-30.5	44.25	-	-	74	-29.75	226	327	V
	* 4.988	29.27	VA1T	34.1	-30.5	32.87	54	-21.13	-	-	226	327	V
6	* 10.795	36.47	PKFH	37.9	-23	51.37	-	-	74	-22.63	327	343	V
	* 10.796	24.04	VA1T	37.9	-23.1	38.84	54	-15.16	-	-	327	343	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

MID CHANNEL RESULTS



RADIATED EMISSIONS

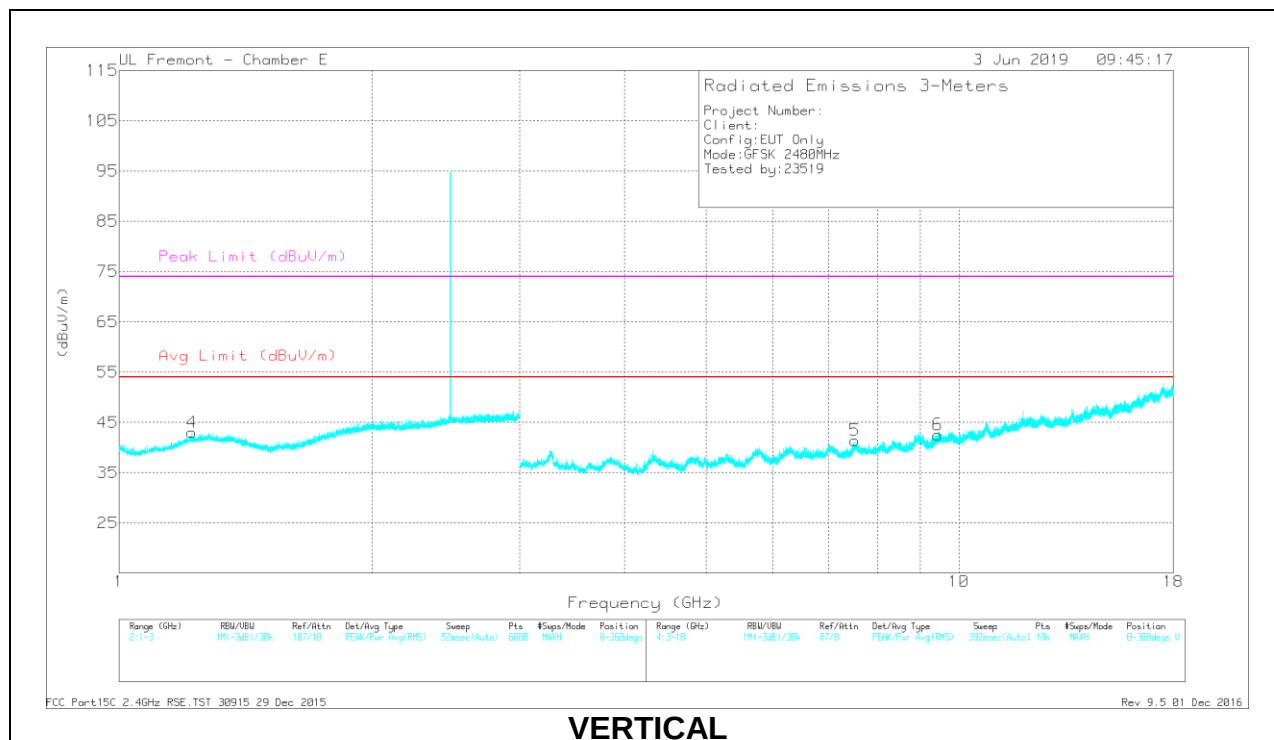
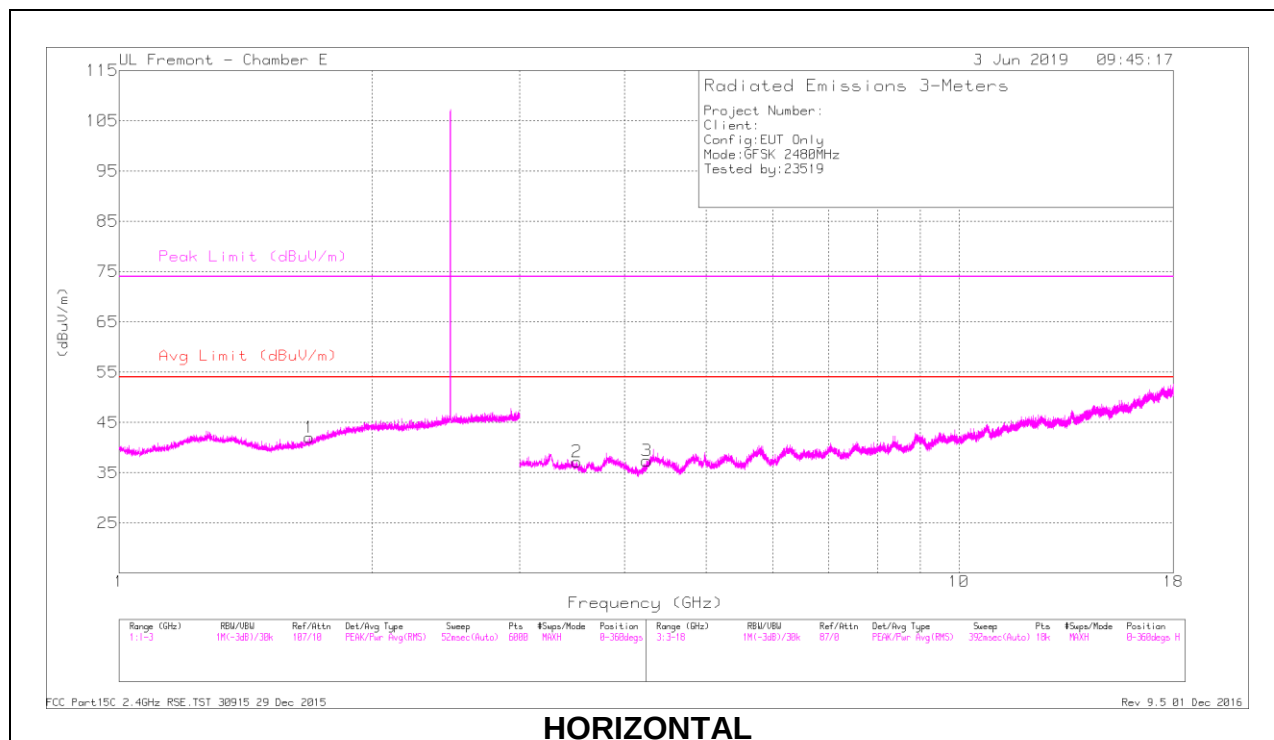
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	7.085	37.44	PKFH	35.6	-26.8	46.24	-	-	-	-	106	166	H
2	* 8.361	36.75	PKFH	35.8	-25.5	47.05	-	-	74	-26.95	205	207	H
	* 8.358	25.23	VA1T	35.9	-25.5	35.63	54	-18.37	-	-	205	207	H
3	* 11.105	36.25	PKFH	37.9	-24	50.15	-	-	74	-23.85	153	233	H
	* 11.104	24.01	VA1T	37.9	-24	37.91	54	-16.09	-	-	153	233	H
4	* 1.463	44.78	PKFH	28.2	-26.2	46.78	-	-	74	-27.22	266	176	V
	* 1.465	32.78	VA1T	28.2	-26.2	34.78	54	-19.22	-	-	266	176	V
5	3.268	43.11	PKFH	34.9	-33.4	44.61	-	-	-	-	199	309	V
6	* 11.829	34.88	PKFH	38.9	-22.4	51.38	-	-	74	-22.62	297	285	V
	* 11.827	22.92	VA1T	38.9	-22.4	39.42	54	-14.58	-	-	297	285	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

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.682	44.88	PKFH	28.7	-26.3	47.28	-	-	74	-26.72	145	240	H
	* 1.683	32.89	VA1T	28.7	-26.3	35.29	54	-18.71	-	-	145	240	H
2	* 3.507	43.32	PKFH	33.1	-33.1	43.32	-	-	74	-30.68	170	292	H
	* 3.509	31.28	VA1T	33.1	-33.1	31.28	54	-22.72	-	-	170	292	H
3	* 4.249	41.62	PKFH	33.5	-31.8	43.32	-	-	74	-30.68	242	249	H
	* 4.252	29.68	VA1T	33.4	-31.7	31.38	54	-22.62	-	-	242	249	H
4	* 1.221	44.61	PKFH	29.8	-26.1	48.31	-	-	74	-25.69	52	345	V
	* 1.222	32.5	VA1T	29.8	-26.1	36.2	54	-17.8	-	-	52	345	V
5	* 7.517	37.11	PKFH	35.7	-26.6	46.21	-	-	74	-27.79	163	332	V
	* 7.516	25.62	VA1T	35.7	-26.6	34.72	54	-19.28	-	-	163	332	V
6	* 9.443	36.26	PKFH	36.5	-24.1	48.66	-	-	74	-25.34	262	280	V
	* 9.442	23.94	VA1T	36.5	-24.1	36.34	54	-17.66	-	-	262	280	V

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

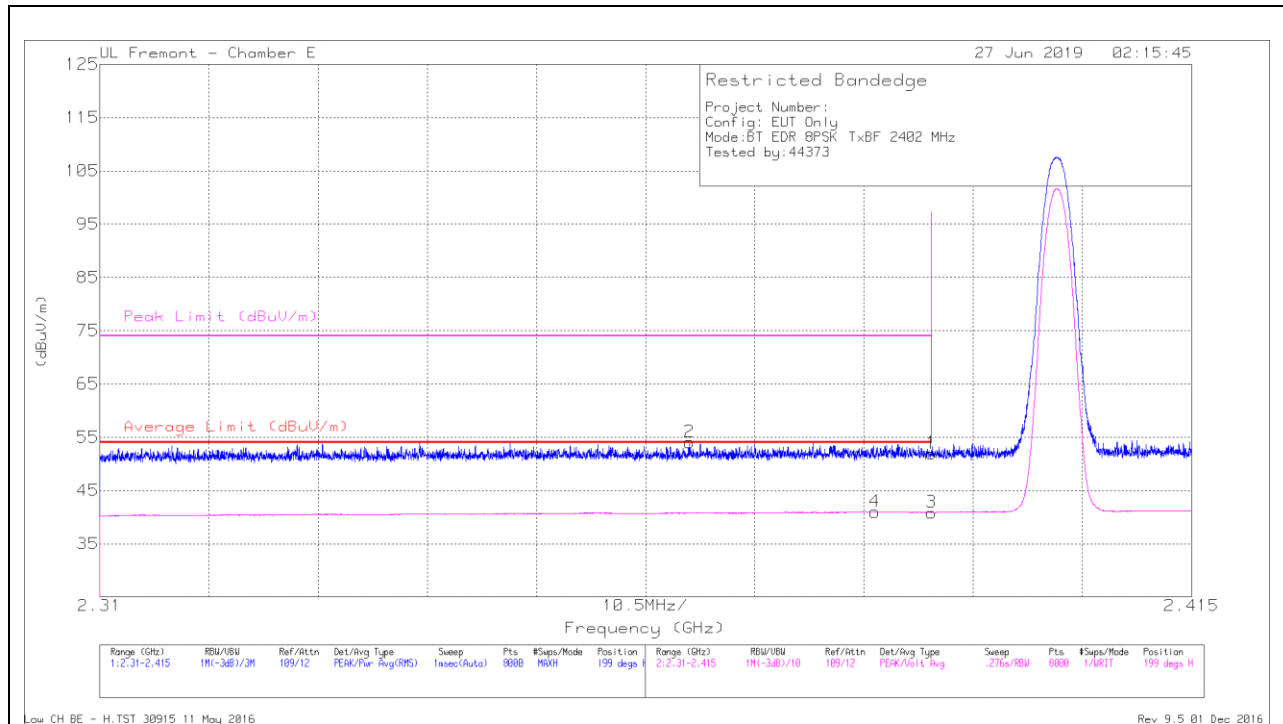
PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

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

9.2.4. LOW POWER ENHANCED DATA RATE 8PSK MODULATION

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb/Ftr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	37.96	Pk	32.3	-18.3	51.96	-	-	74	-22.04	199	137	H
2	* 2.367	40.27	Pk	32.1	-18.3	54.07	-	-	74	-19.93	199	137	H
3	* 2.39	26.86	VA1T	32.3	-18.3	40.86	54	-13.14	-	-	199	137	H
4	* 2.385	26.89	VA1T	32.3	-18.2	40.99	54	-13.01	-	-	199	137	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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