

RADIATED EMISSIONS

Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dB uV/m)	Margin (dB)	Peak Limit (dB uV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.64	40.23	PKFH	33.1	-29.5	43.83	-	-	74	-30.17	167	312	H
	* 3.644	28.16	VA1T	33.1	-29.6	31.66	54	-22.34	-	-	167	312	H
2	* 7.308	38.57	PKFH	36.4	-26.4	48.57	-	-	74	-25.43	158	133	H
	* 7.308	26.49	VA1T	36.4	-26.4	36.49	54	-17.51	-	-	158	133	H
3	* 12.053	34.61	PKFH	38.9	-22.9	50.61	-	-	74	-23.39	177	228	H
	* 12.051	22.82	VA1T	38.9	-23	38.72	54	-15.28	-	-	177	228	H
4	* 4.814	40.58	PKFH	34.1	-30.3	44.38	-	-	74	-29.62	11	358	V
	* 4.817	28.91	VA1T	34.1	-30.3	32.71	54	-21.29	-	-	11	358	V
5	* 7.659	37.88	PKFH	36.6	-27	47.48	-	-	74	-26.52	86	145	V
	* 7.656	25.65	VA1T	36.6	-27	35.25	54	-18.75	-	-	86	145	V
6	* 11.239	34.84	PKFH	38	-23.2	49.64	-	-	74	-24.36	116	222	V
	* 11.239	22.83	VA1T	38	-23.2	37.63	54	-16.37	-	-	116	222	V

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

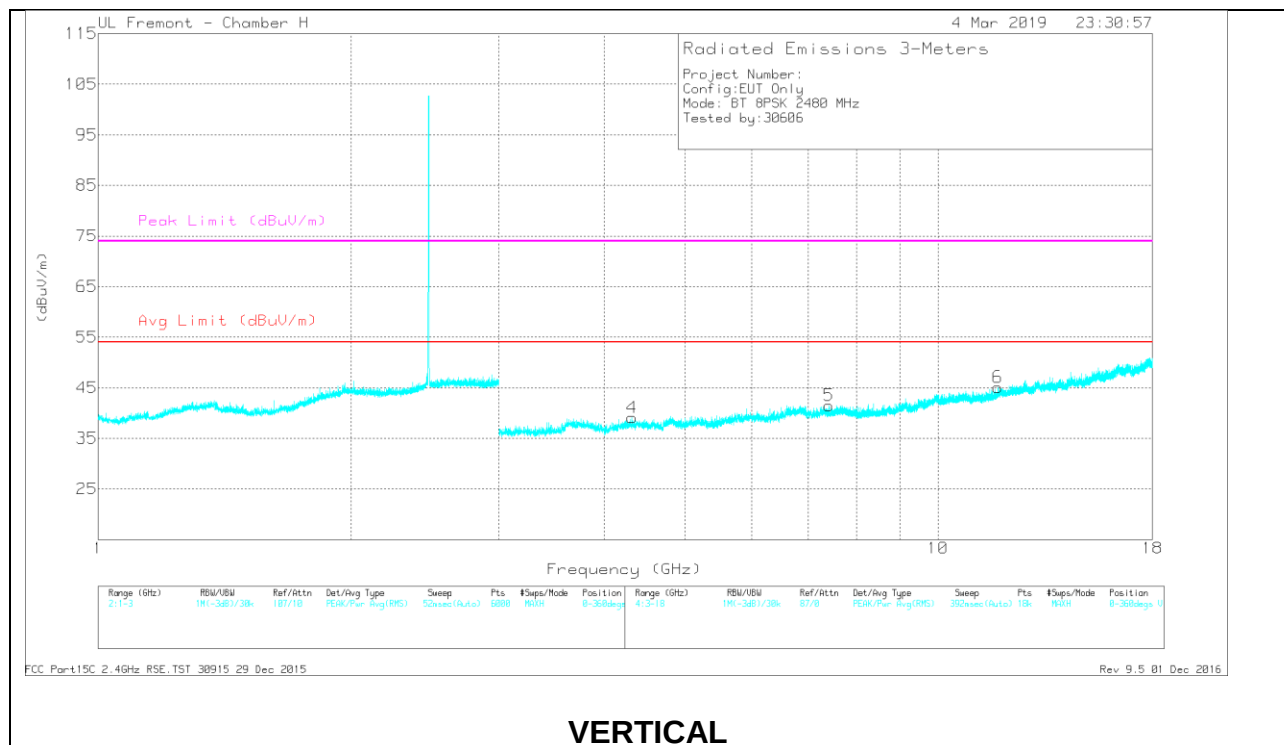
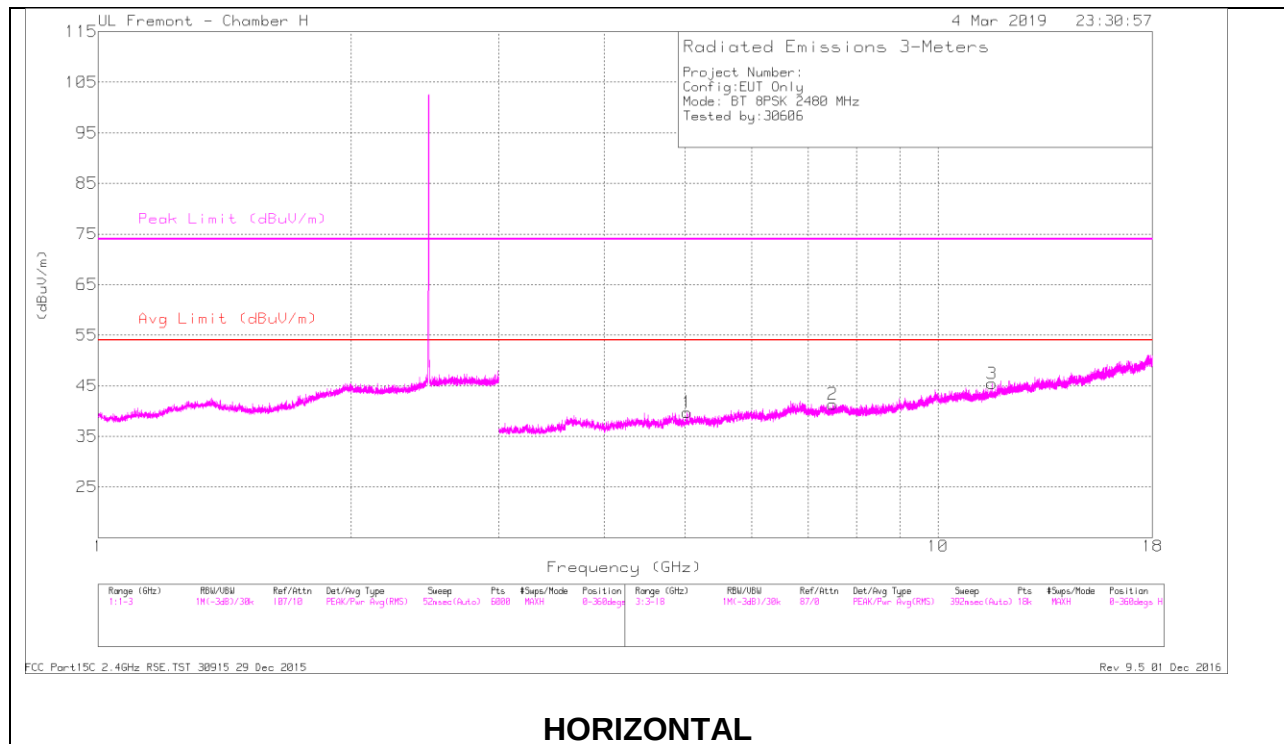
PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

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

FCC Part15C 2.4GHz RSE.TST 30915 29 Dec 2015

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HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dB uV/m)	Margin (dB)	Peak Limit (dB uV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.025	39.82	PKFH	34.1	-29.4	44.52	-	-	74	-29.48	168	177	H
	* 5.027	28	VA1T	34.2	-29.5	32.7	54	-21.3	-	-	168	177	H
2	* 7.494	38.64	PKFH	36.5	-27.6	47.54	-	-	74	-26.46	89	400	H
	* 7.496	25.82	VA1T	36.5	-27.6	34.72	54	-19.28	-	-	89	400	H
3	* 11.595	34.9	PKFH	38.4	-23.2	50.1	-	-	74	-23.9	196	297	H
	* 11.593	22.91	VA1T	38.4	-23.3	38.01	54	-15.99	-	-	196	297	H
4	* 4.321	39.82	PKFH	33.8	-29.8	43.82	-	-	74	-30.18	199	138	V
	* 4.321	28.09	VA1T	33.8	-29.8	32.09	54	-21.91	-	-	199	138	V
5	* 7.418	37.27	PKFH	36.5	-27.1	46.67	-	-	74	-27.33	259	365	V
	* 7.42	25.44	VA1T	36.6	-27.1	34.94	54	-19.06	-	-	259	365	V
6	* 11.782	34.43	PKFH	38.6	-22.9	50.13	-	-	74	-23.87	352	294	V
	* 11.782	23.07	VA1T	38.6	-22.9	38.77	54	-15.23	-	-	352	294	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

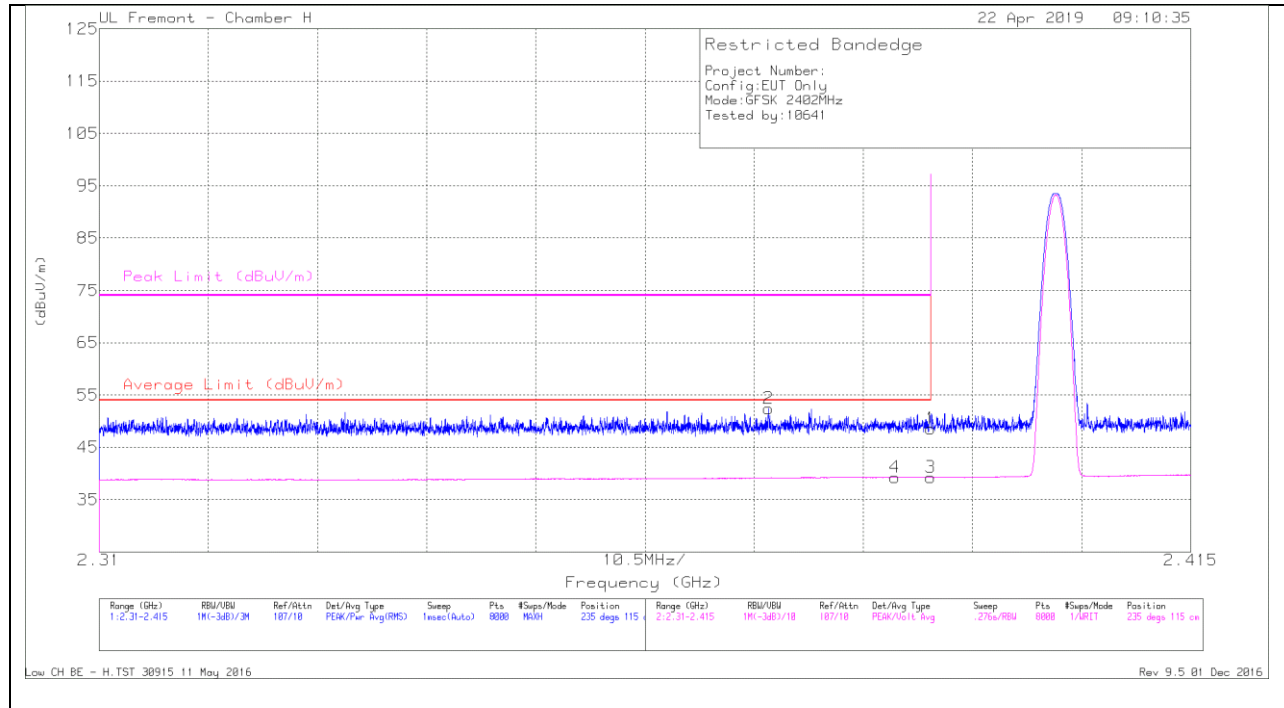
FCC Part15C 2.4GHz RSE.TST 30915 29 Dec 2015

Rev 9.5 01 Dec 2016

9.1.5. ANTENNA 2, LOW POWER BASIC DATA RATE GFSK MODULATION

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



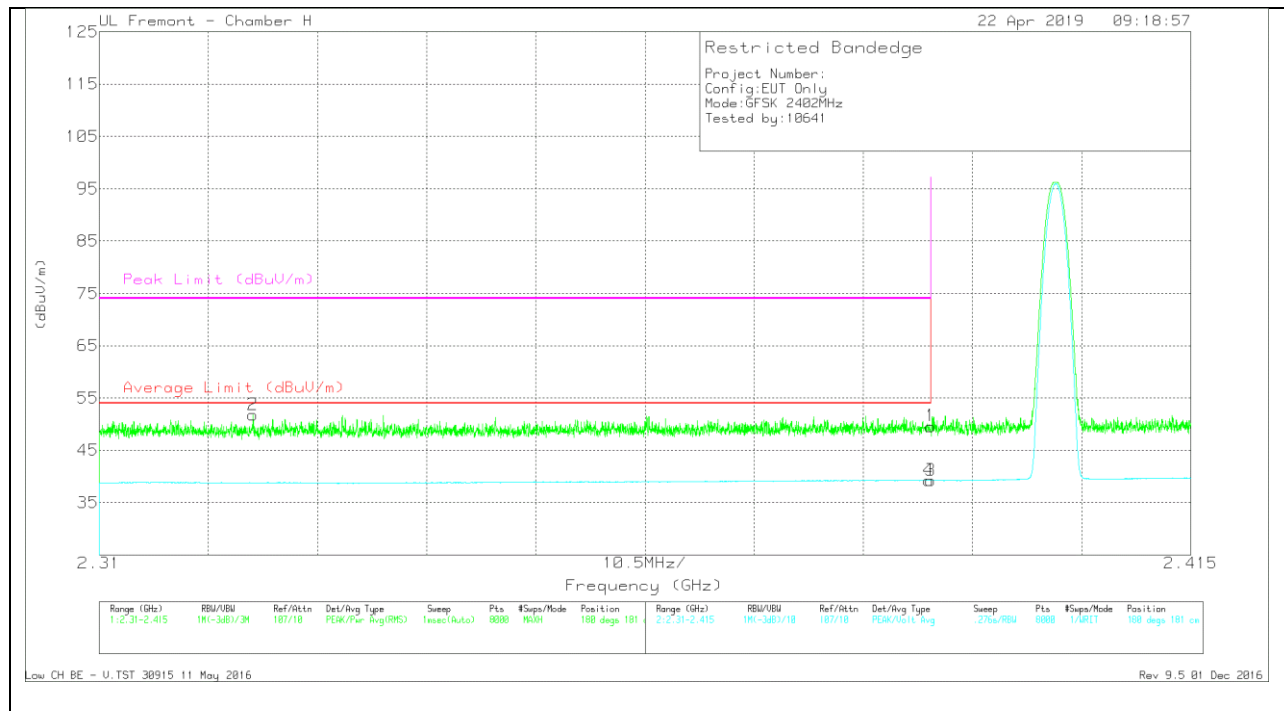
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Ftr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	40.47	Pk	31.6	-23.5	48.57	-	-	74	-25.43	235	115	H
2	* 2.374	44.34	Pk	31.6	-23.5	52.44	-	-	74	-21.56	235	115	H
3	* 2.39	31.14	VA1T	31.6	-23.5	39.24	54	-14.76	-	-	235	115	H
4	* 2.387	31.19	VA1T	31.6	-23.5	39.29	54	-14.71	-	-	235	115	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

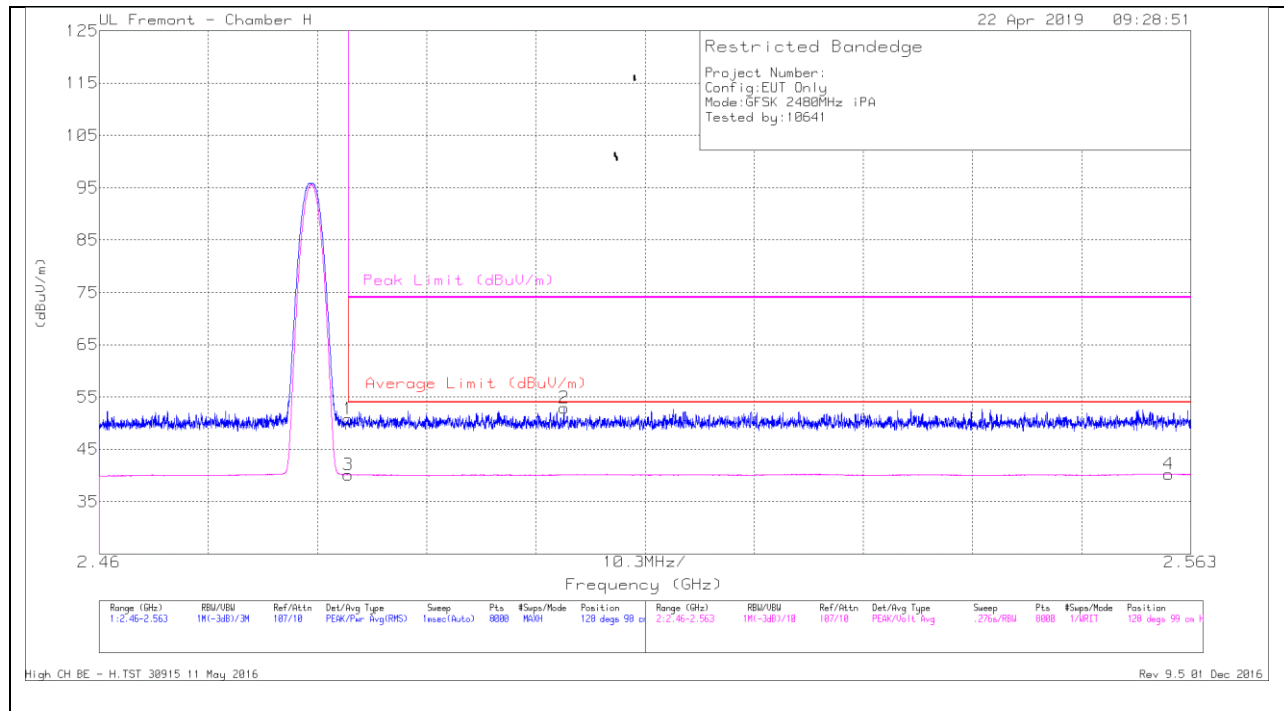


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	41.51	Pk	31.6	-23.5	49.61	-	-	74	-24.39	180	181	V
2	* 2.325	44.07	Pk	31.3	-23.6	51.77	-	-	74	-22.23	180	181	V
3	* 2.39	31.09	VA1T	31.6	-23.5	39.19	54	-14.81	-	-	180	181	V
4	* 2.39	31.18	VA1T	31.6	-23.5	39.28	54	-14.72	-	-	180	181	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

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (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	41.82	Pk	32.3	-23.3	50.82	-	-	74	-23.18	128	98	H
3	* 2.484	31.13	VA1T	32.3	-23.3	40.13	54	-13.87	-	-	128	99	H
2	2.504	43.69	Pk	32.4	-23.2	52.89	-	-	74	-21.11	128	98	H
4	2.561	30.98	VA1T	32.4	-23.1	40.28	54	-13.72	-	-	128	99	H

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

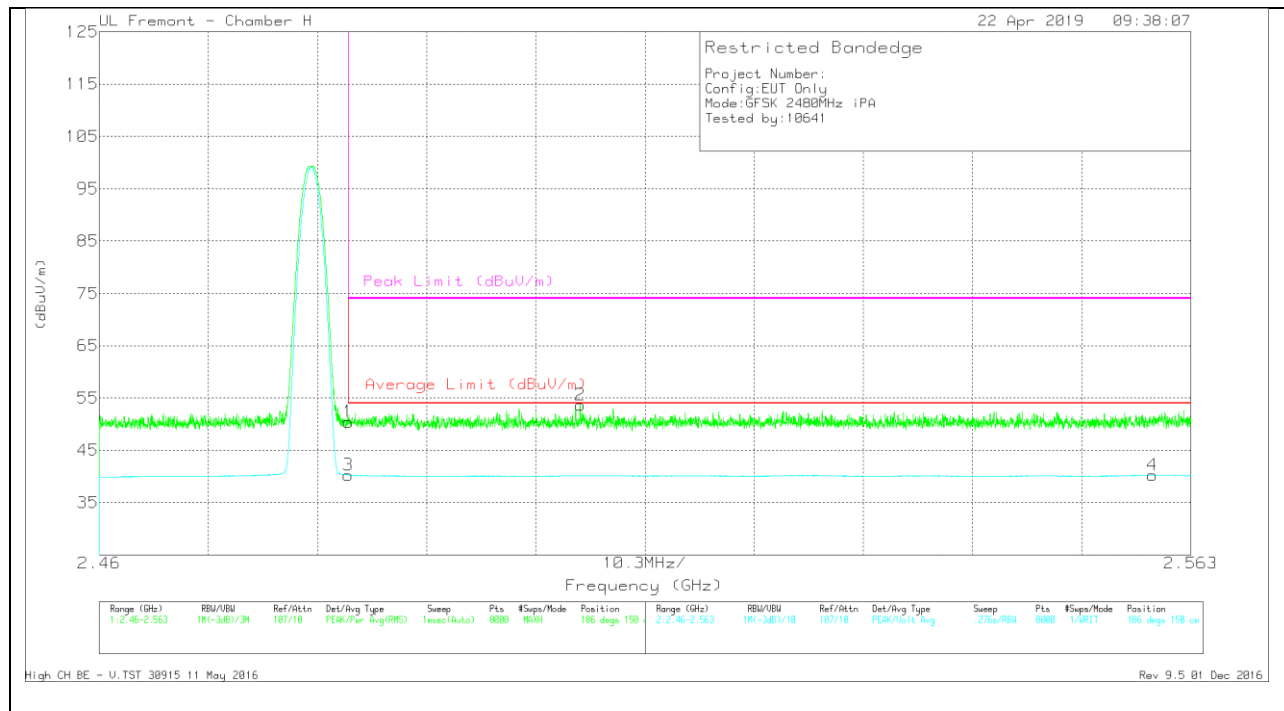
Pk - Peak detector

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

High CH BE - H.TST 30915 11 May 2016

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VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (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	41.36	Pk	32.3	-23.3	50.36	-	-	74	-23.64	186	150	V
3	* 2.484	31.27	VA1T	32.3	-23.3	40.27	54	-13.73	-	-	186	150	V
2	2.505	44.39	Pk	32.4	-23.2	53.59	-	-	74	-20.41	186	150	V
4	2.559	30.98	VA1T	32.4	-23.1	40.28	54	-13.72	-	-	186	150	V

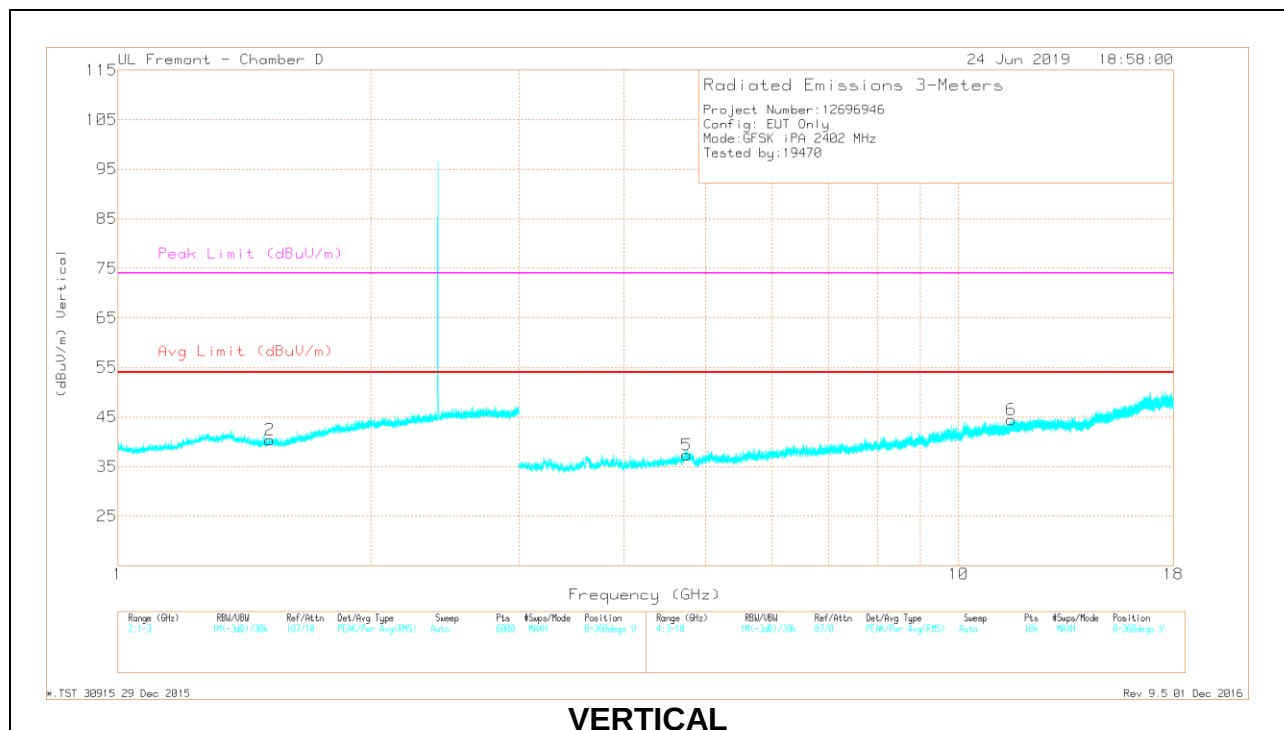
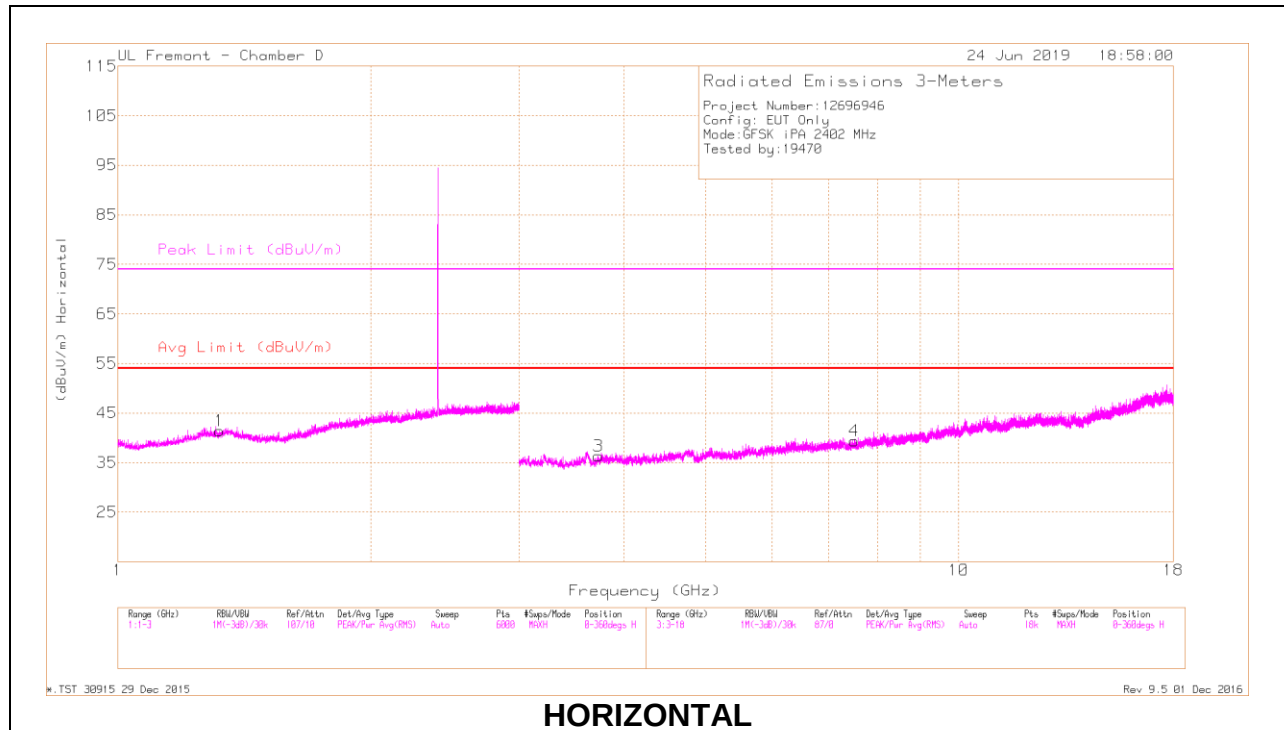
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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

Rev 9.5 01 Dec 2016

HARMONICS AND SPURIOUS EMISSIONS**LOW CHANNEL RESULTS**

RADIATED EMISSIONS

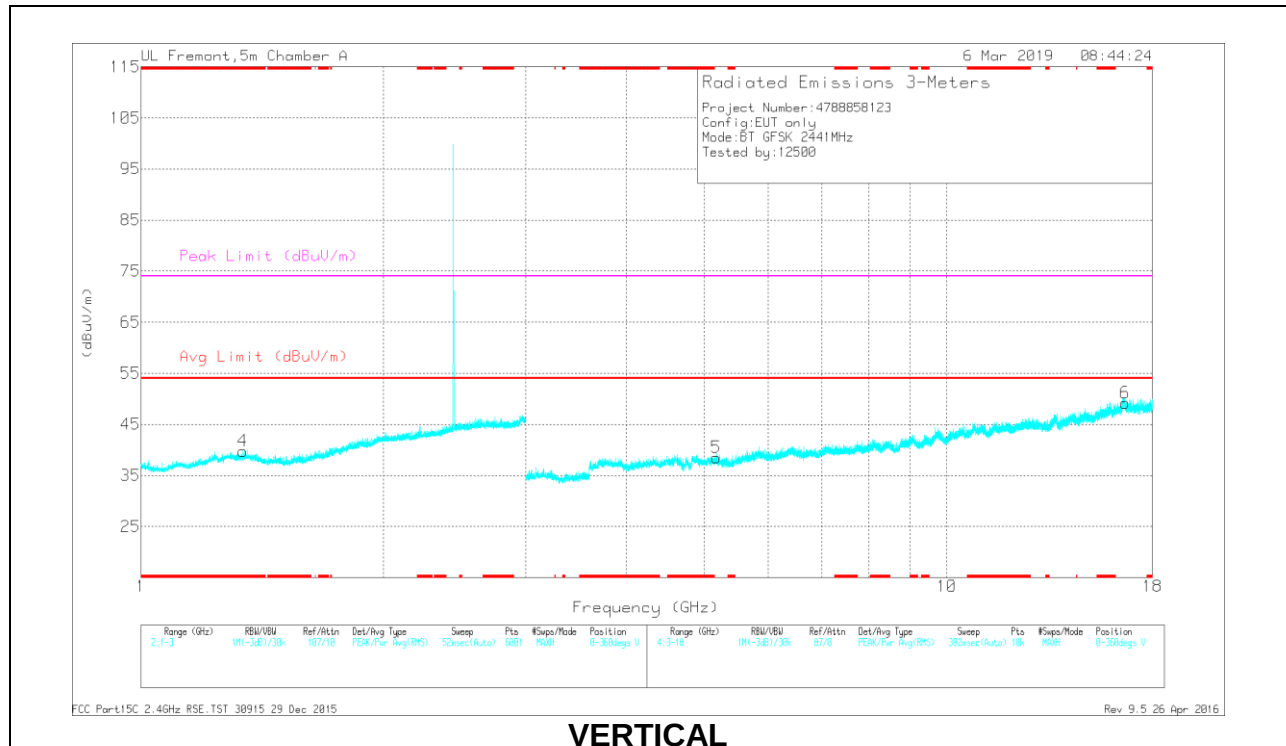
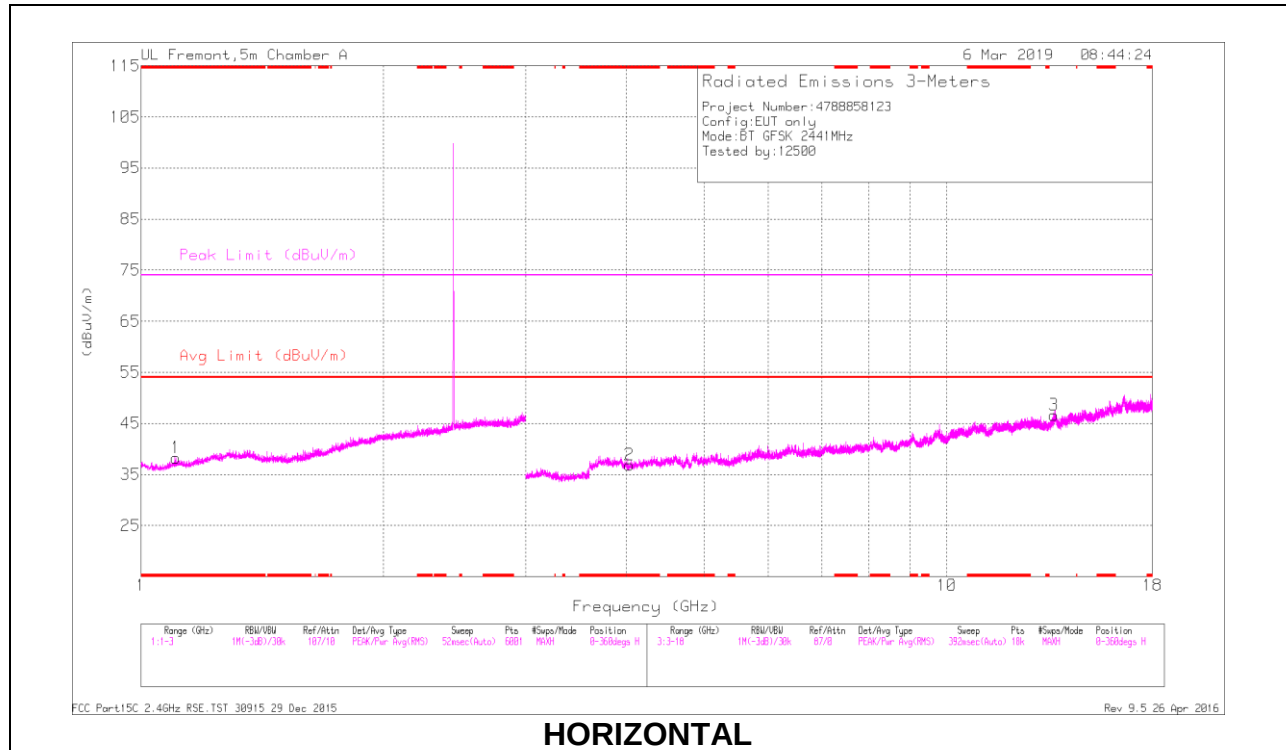
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dB uV/m)	Margin (dB)	Peak Limit (dB uV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.32	40.71	PKFH	28.9	-22	47.61	-	-	74	-26.39	360	100	H
	* 1.319	27.57	VA1T	28.8	-22	34.37	54	-19.63	-	-	360	100	H
2	* 1.517	40.66	PKFH	28	-21.7	46.96	-	-	74	-27.04	360	100	V
	* 1.514	27.31	VA1T	28	-21.7	33.61	54	-20.39	-	-	360	100	V
3	* 3.728	38.38	PKFH	33.1	-28.5	42.98	-	-	74	-31.02	360	100	H
	* 3.728	25.68	VA1T	33.1	-28.5	30.28	54	-23.72	-	-	360	100	H
4	* 7.513	35.15	PKFH	35.6	-24.8	45.95	-	-	74	-28.05	360	100	H
	* 7.514	21.82	VA1T	35.5	-24.8	32.52	54	-21.48	-	-	360	100	H
5	* 4.742	36.46	PKFH	33.9	-26.6	43.76	-	-	74	-30.24	360	100	V
	* 4.745	23.82	VA1T	33.9	-26.5	31.22	54	-22.78	-	-	360	100	V
6	* 11.551	33.68	PKFH	38.2	-20.8	51.08	-	-	74	-22.92	360	100	V
	* 11.547	18.46	VA1T	38.2	-20.9	35.76	54	-18.24	-	-	360	100	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

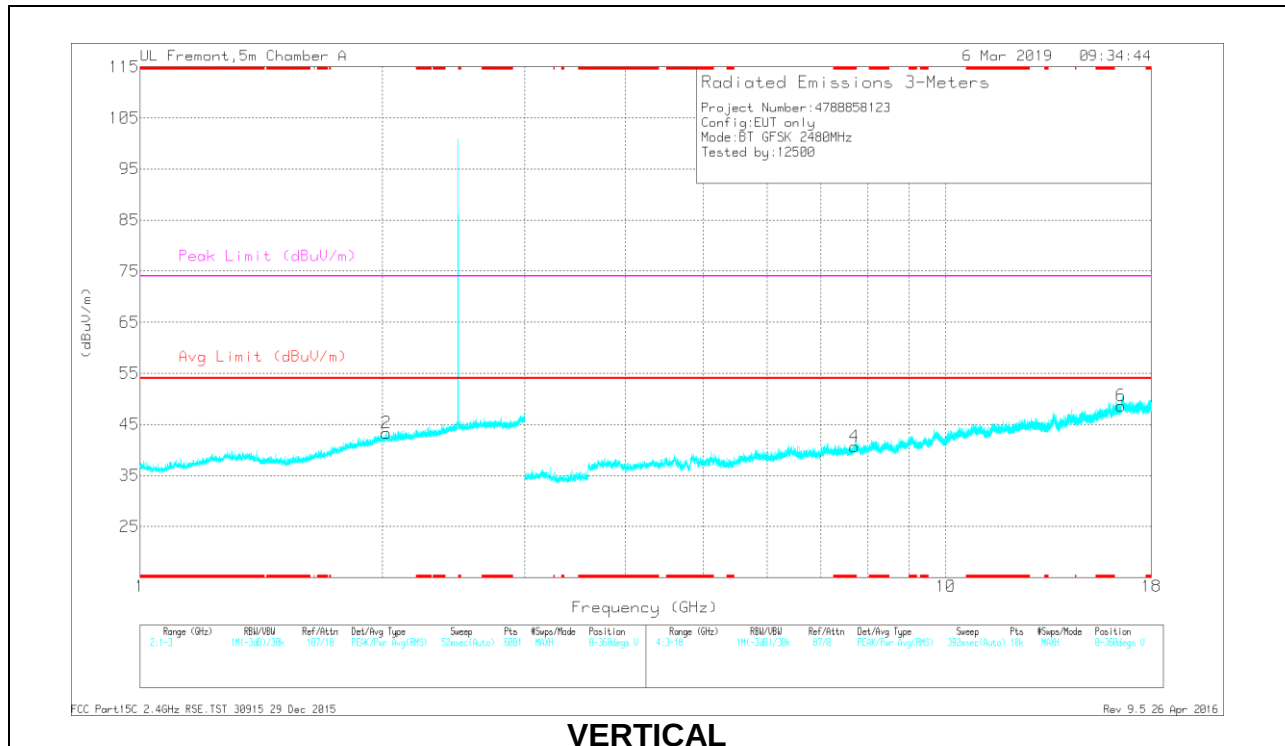
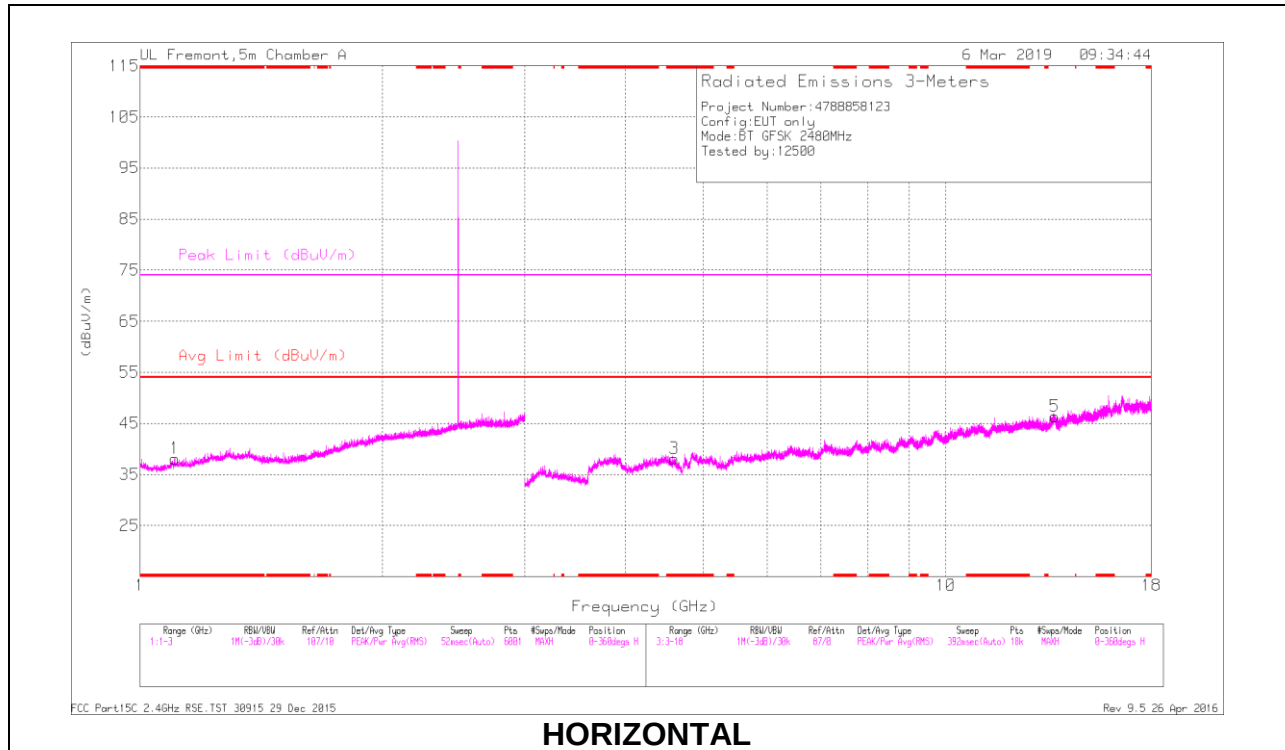
Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.107	42.08	PKFH	27.7	-25.3	44.48	-	-	74	-29.52	264	282	H
	* 1.105	29.73	VA1T	27.7	-25.3	32.13	54	-21.87	-	-	264	282	H
4	* 1.339	41.46	PKFH	29	-25	45.46	-	-	74	-28.54	35	385	V
	* 1.337	29.5	VA1T	28.9	-25	33.4	54	-20.6	-	-	35	385	V
2	* 4.033	38.93	PKFH	33.7	-29	43.63	-	-	74	-30.37	104	215	H
	* 4.035	26.94	VA1T	33.7	-29	31.64	54	-22.36	-	-	104	215	H
5	5.173	36.82	PKFH	34.2	-26.9	44.12	-	-	-	-	154	146	V
3	13.585	32.4	PKFH	38.9	-19.1	52.2	-	-	-	-	81	216	H
6	16.642	32.4	PKFH	41.9	-19.4	54.9	-	-	-	-	137	115	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 T345 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.104	41.02	PKFH	27.7	-25.3	43.42	-	-	74	-30.58	222	117	H
	* 1.103	29.8	VA1T	27.7	-25.3	32.2	54	-21.8	-	-	222	117	H
3	* 4.606	38.22	PKFH	34.2	-28	44.42	-	-	74	-29.58	6	109	H
	* 4.608	27	VA1T	34.2	-28.1	33.1	54	-20.9	-	-	6	109	H
4	* 7.704	34.42	PKFH	35.7	-23.8	46.32	-	-	74	-27.68	14	155	V
	* 7.703	23.32	VA1T	35.8	-23.8	35.32	54	-18.68	-	-	14	155	V
2	2.023	41.33	PKFH	31.4	-23.5	49.23	-	-	-	-	21	131	V
5	13.652	33	PKFH	38.6	-19.7	51.9	-	-	-	-	34	332	H
6	16.501	33.28	PKFH	41.6	-20	54.88	-	-	-	-	248	233	V

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

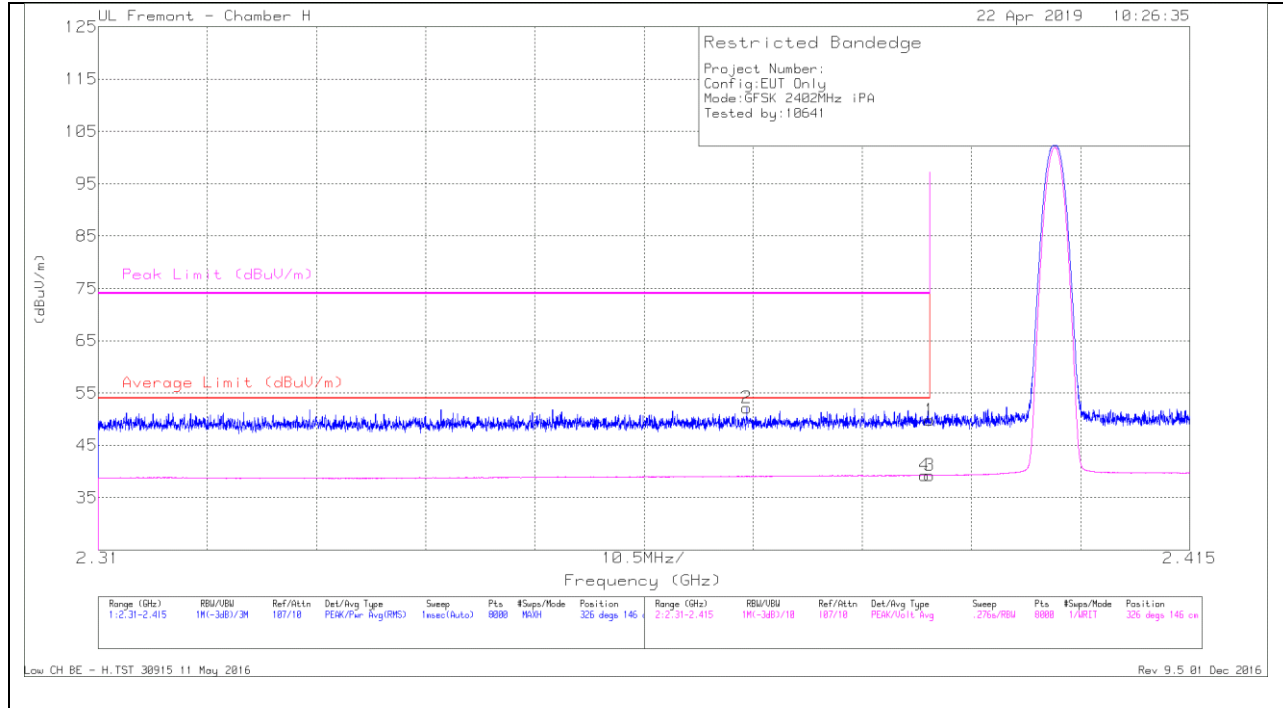
PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

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

9.1.6. ANTENNA 5, LOW POWER BASIC DATA RATE GFSK MODULATION

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



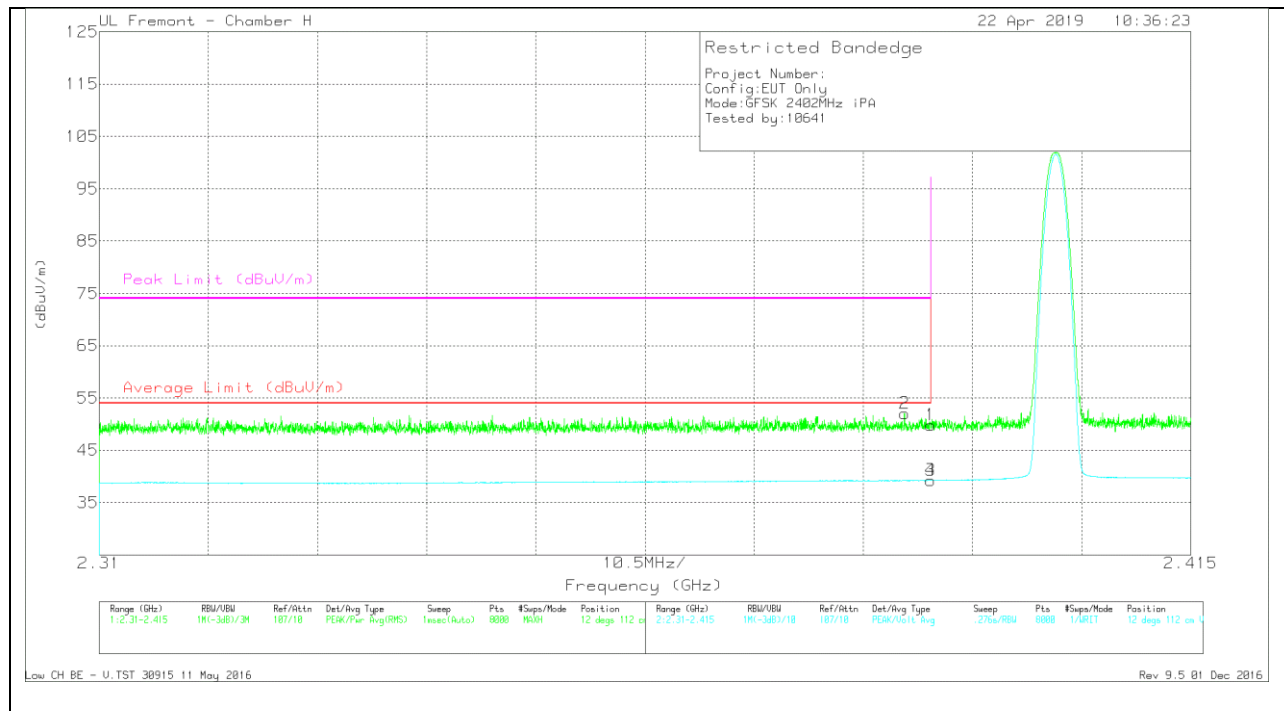
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Ftr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	41.67	Pk	31.6	-23.5	49.77	-	-	74	-24.23	326	146	H
2	* 2.372	44.13	Pk	31.5	-23.5	52.13	-	-	74	-21.87	326	146	H
3	* 2.39	31.15	VA1T	31.6	-23.5	39.25	54	-14.75	-	-	326	146	H
4	* 2.389	31.15	VA1T	31.6	-23.5	39.25	54	-14.75	-	-	326	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

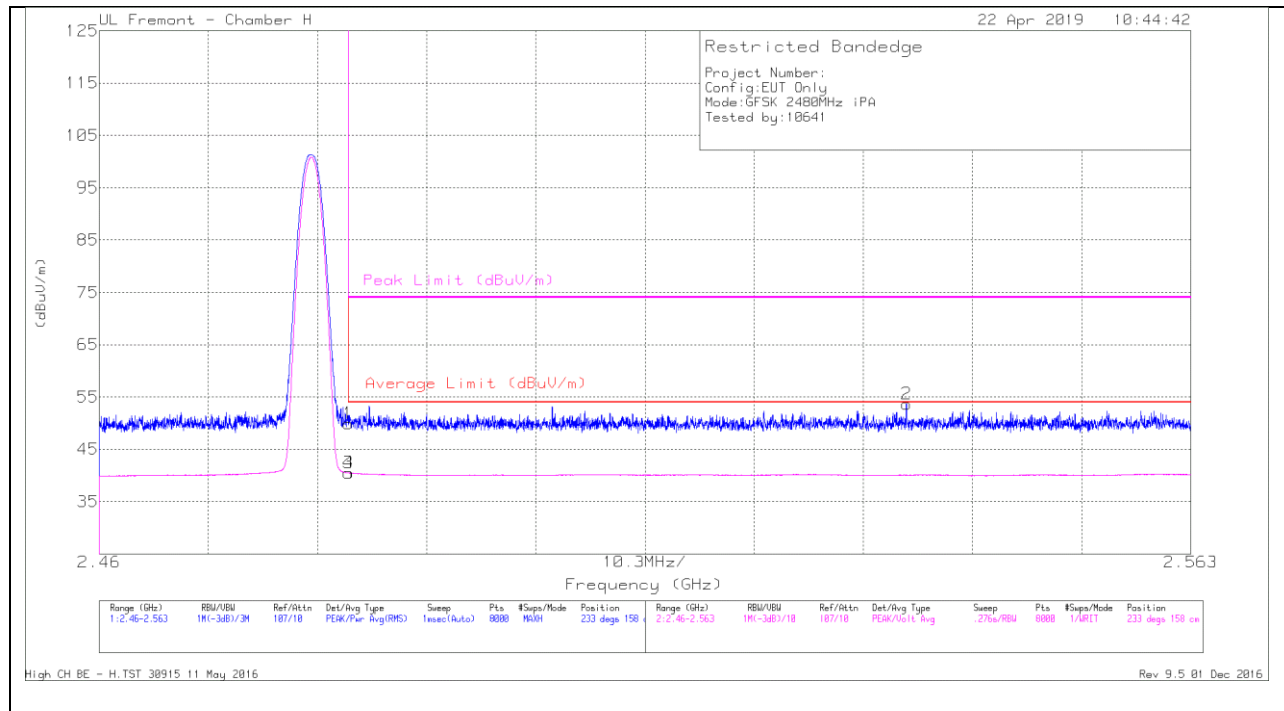


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtz/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	41.68	Pk	31.6	-23.5	49.78	-	-	74	-24.22	12	112	V
2	* 2.387	43.96	Pk	31.6	-23.5	52.06	-	-	74	-21.94	12	112	V
3	* 2.39	31.13	VA1T	31.6	-23.5	39.23	54	-14.77	-	-	12	112	V
4	* 2.39	31.15	VA1T	31.6	-23.5	39.25	54	-14.75	-	-	12	112	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

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

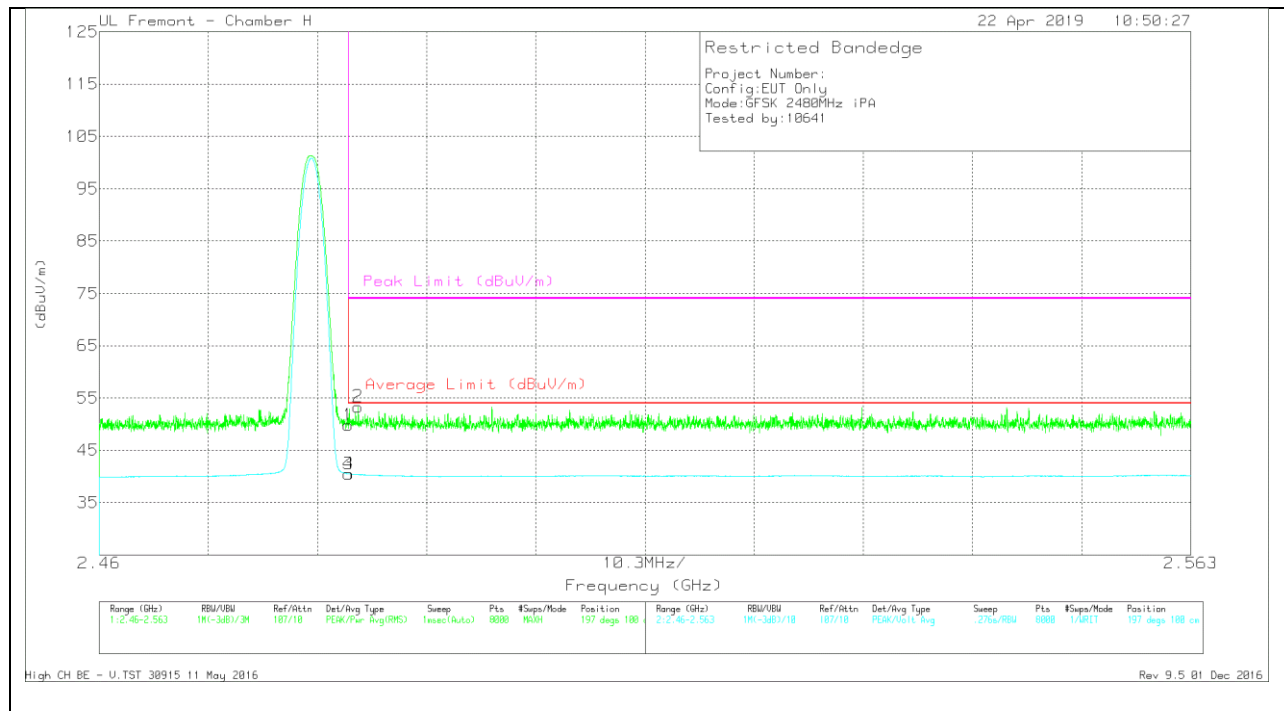
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Af T136 (dB/m)	Amp/Cbl/Fitr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.95	Pk	32.3	-23.3	49.95	-	-	74	-24.05	233	158	H
3	* 2.484	31.48	VA1T	32.3	-23.3	40.48	54	-13.52	-	-	233	158	H
4	* 2.484	31.48	VA1T	32.3	-23.3	40.48	54	-13.52	-	-	233	158	H
2	2.536	44.47	Pk	32.3	-23.1	53.67	-	-	74	-20.33	233	158	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/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	40.83	Pk	32.3	-23.3	49.83	-	-	74	-24.17	197	100	V
2	* 2.484	44.33	Pk	32.3	-23.3	53.33	-	-	74	-20.67	197	100	V
3	* 2.484	31.49	VA1T	32.3	-23.3	40.49	54	-13.51	-	-	197	100	V
4	* 2.484	31.47	VA1T	32.3	-23.3	40.47	54	-13.53	-	-	197	100	V

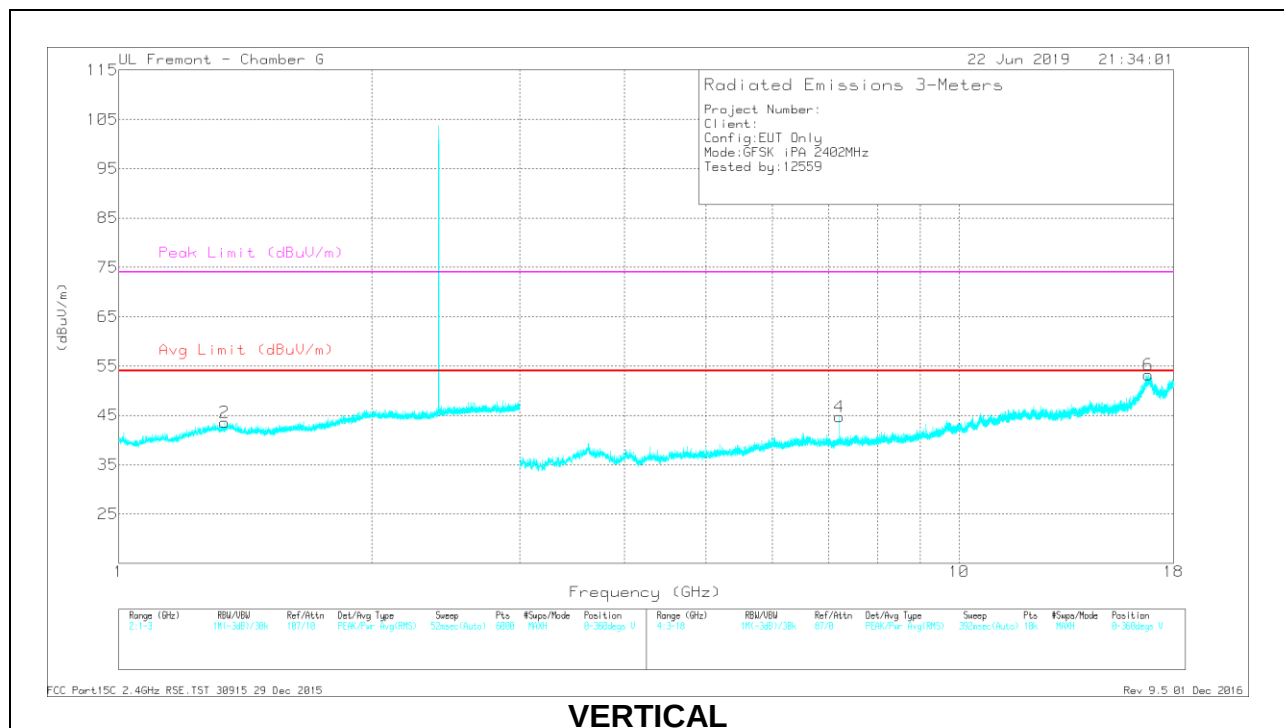
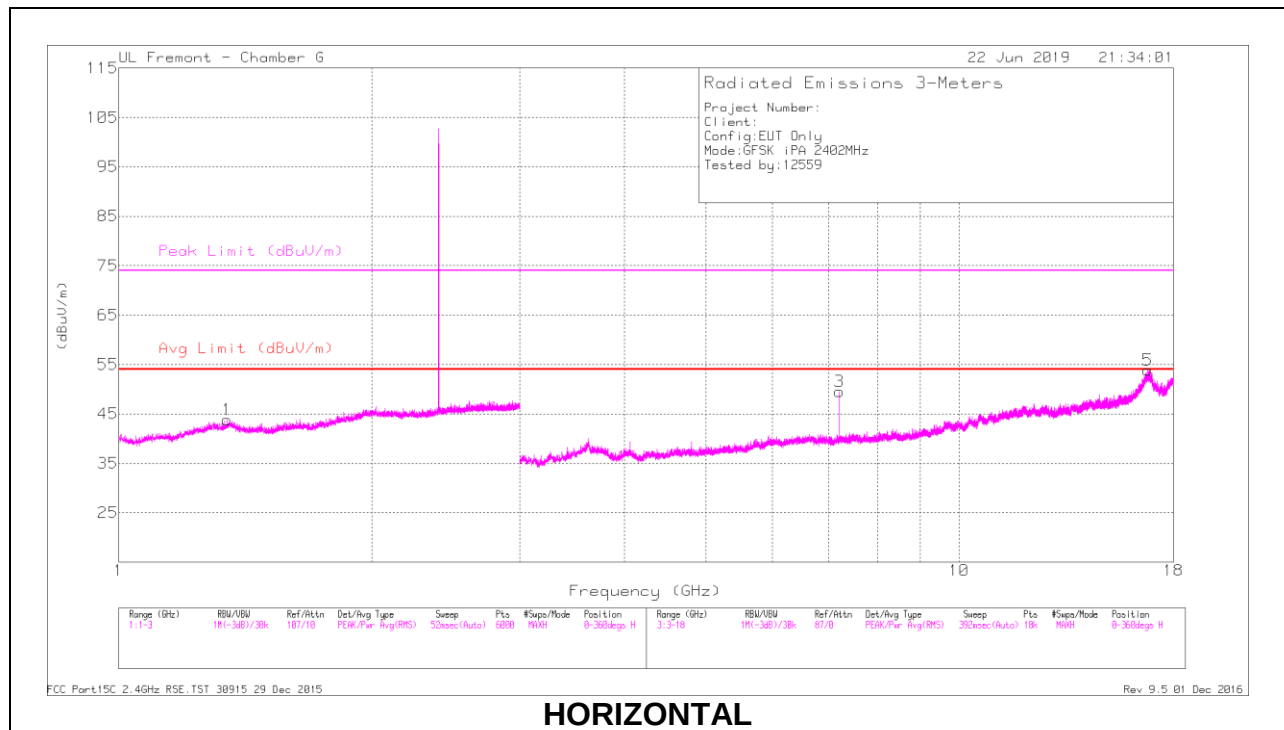
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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

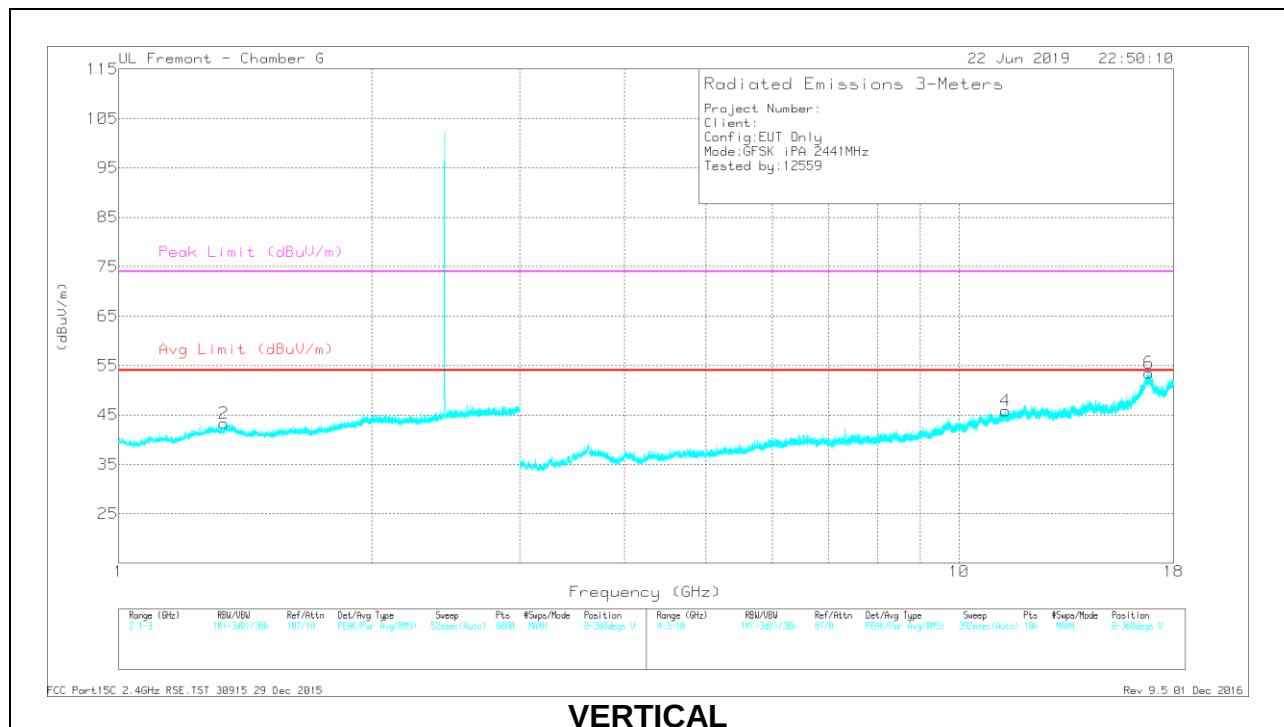
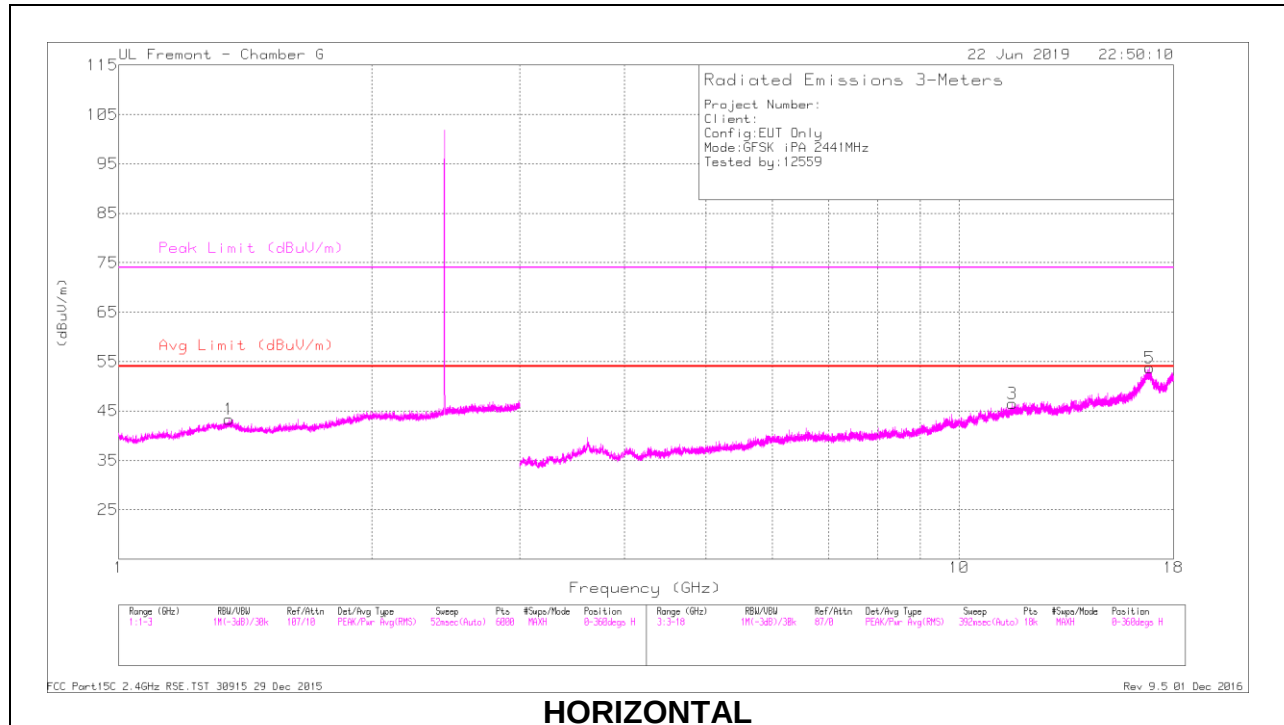
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dB uV/m)	Margin (dB)	Peak Limit (dB uV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.348	42.27	PKFH	29.9	-23.3	48.87	-	-	74	-25.13	187	317	H
	* 1.348	29	VA1T	29.9	-23.3	35.6	54	-18.4	-	-	187	317	H
2	* 1.338	42.7	PKFH	29.8	-23.3	49.2	-	-	74	-24.8	230	385	V
	* 1.337	30.71	VA1T	29.8	-23.3	37.21	54	-16.79	-	-	230	385	V
3	7.206	26.49	VA1T	35.8	-27.7	34.59	-	-	-	-	138	135	H
	7.206	40.77	PKFH	35.8	-27.7	48.87	-	-	-	-	356	186	V
4	7.206	33.19	VA1T	35.8	-27.7	41.29	-	-	-	-	356	186	V
	7.207	38.7	PKFH	35.8	-27.7	46.8	-	-	-	-	138	135	H
5	16.787	23.32	VA1T	41.7	-17.4	47.62	-	-	-	-	204	108	H
	16.788	35.1	PKFH	41.7	-17.4	59.4	-	-	-	-	204	108	H
6	16.79	23.03	VA1T	41.7	-17.4	47.33	-	-	-	-	325	223	V
	16.793	36.55	PKFH	41.7	-17.4	60.85	-	-	-	-	325	223	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

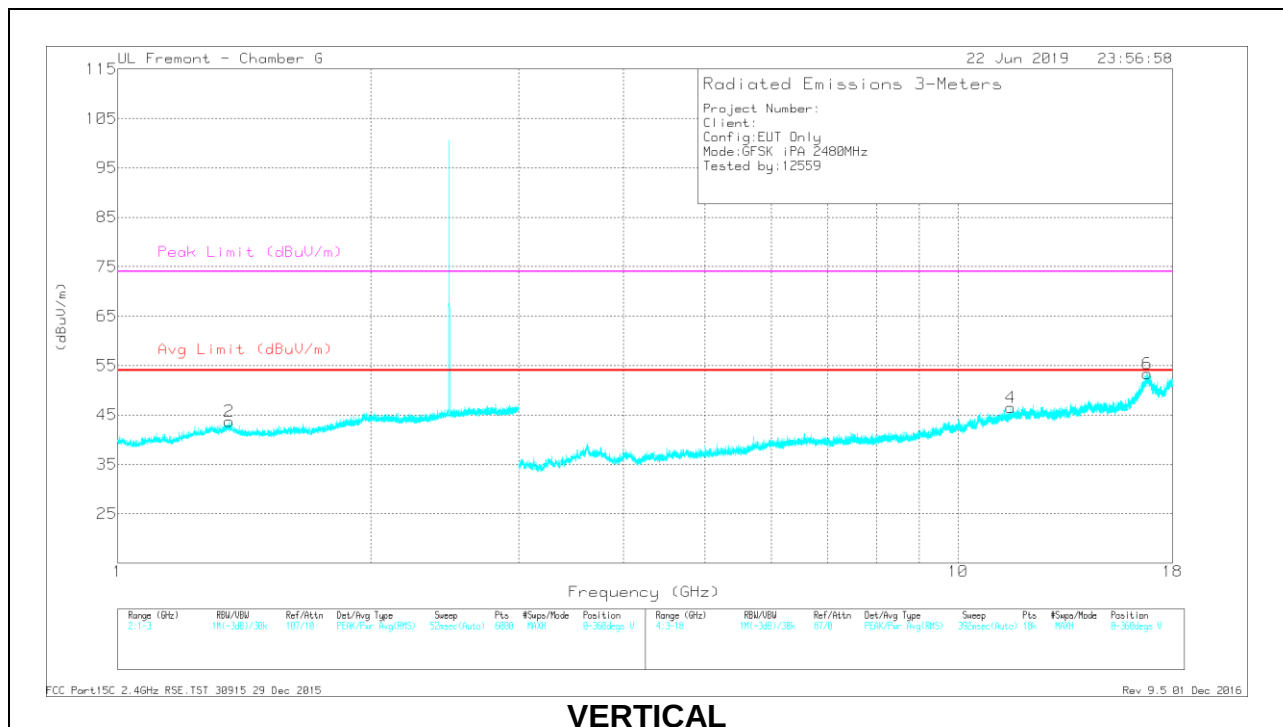
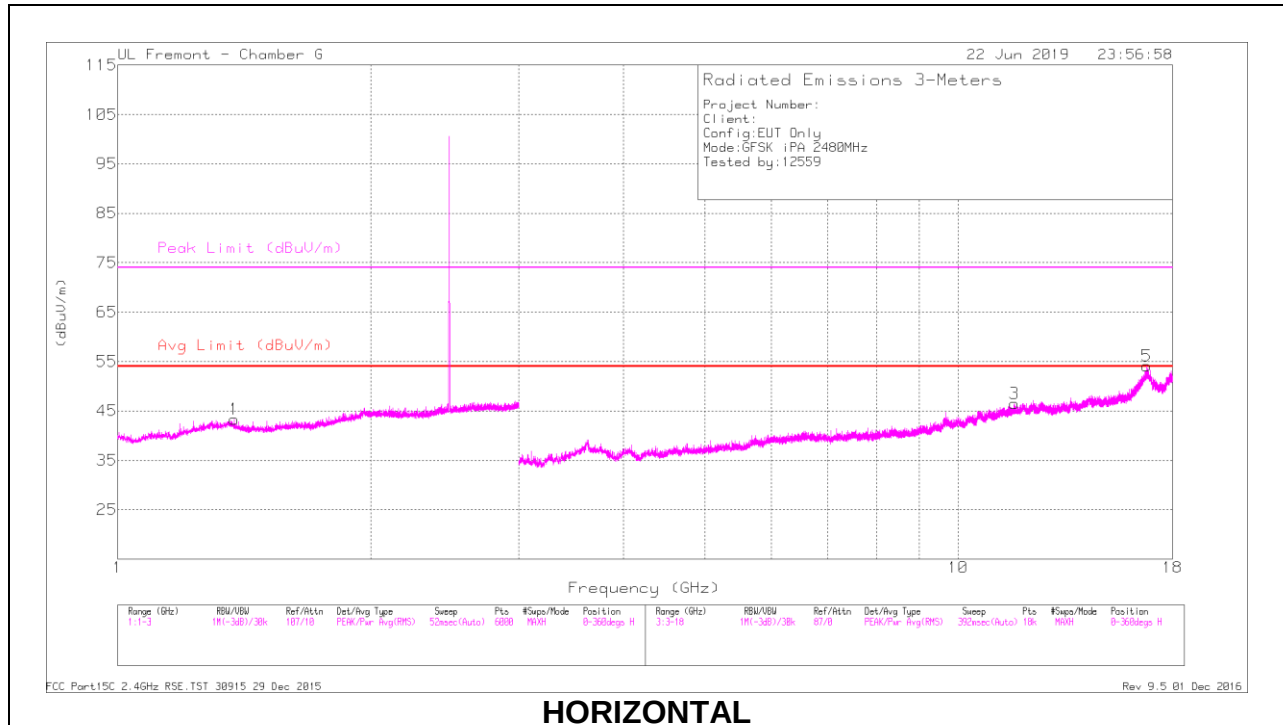
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dB uV/m)	Margin (dB)	Peak Limit (dB uV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.352	42.27	PKFH	30	-23.3	48.97	-	-	74	-25.03	271	103	H
	* 1.352	30.5	VA1T	30	-23.3	37.2	54	-16.8	-	-	271	103	H
2	* 1.334	42.82	PKFH	29.6	-23.3	49.12	-	-	74	-24.88	259	176	V
	* 1.336	30.47	VA1T	29.8	-23.3	36.97	54	-17.03	-	-	259	176	V
3	* 11.568	35.32	PKFH	39	-22.9	51.42	-	-	74	-22.58	115	109	H
	* 11.567	23.49	VA1T	39	-22.9	39.59	54	-14.41	-	-	115	109	H
4	* 11.367	36.36	PKFH	38.8	-22.5	52.66	-	-	74	-21.34	17	169	V
	* 11.368	23.45	VA1T	38.8	-22.5	39.75	54	-14.25	-	-	17	169	V
6	16.836	35.03	PKFH	41.7	-17.8	58.93	-	-	-	-	214	264	V
	16.838	22.92	VA1T	41.7	-17.7	46.92	-	-	-	-	214	264	V
5	16.849	34.52	PKFH	41.7	-17.7	58.52	-	-	-	-	169	306	H
	16.849	23.26	VA1T	41.7	-17.7	47.26	-	-	-	-	169	306	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

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dB uV/m)	Margin (dB)	Peak Limit (dB uV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.376	42.18	PKFH	29.6	-23.2	48.58	-	-	74	-25.42	351	111	H
	* 1.376	30.39	VA1T	29.6	-23.2	36.79	54	-17.21	-	-	351	111	H
2	* 1.358	42.89	PKFH	30	-23.3	49.59	-	-	74	-24.41	257	289	V
	* 1.355	30.81	VA1T	30	-23.3	37.51	54	-16.49	-	-	257	289	V
3	* 11.678	35.36	PKFH	39.2	-22.8	51.76	-	-	74	-22.24	240	118	H
	* 11.677	23.45	VA1T	39.2	-22.8	39.85	54	-14.15	-	-	240	118	H
4	* 11.561	35.68	PKFH	39.1	-22.9	51.88	-	-	74	-22.12	339	378	V
	* 11.561	23.55	VA1T	39.1	-22.9	39.75	54	-14.25	-	-	339	378	V
5	16.786	23.49	VA1T	41.7	-17.4	47.79	-	-	-	-	240	121	H
	16.787	35.26	PKFH	41.7	-17.4	59.56	-	-	-	-	240	121	H
6	16.802	35.53	PKFH	41.8	-17.6	59.73	-	-	-	-	152	319	V
	16.802	23.03	VA1T	41.8	-17.5	47.33	-	-	-	-	152	319	V

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

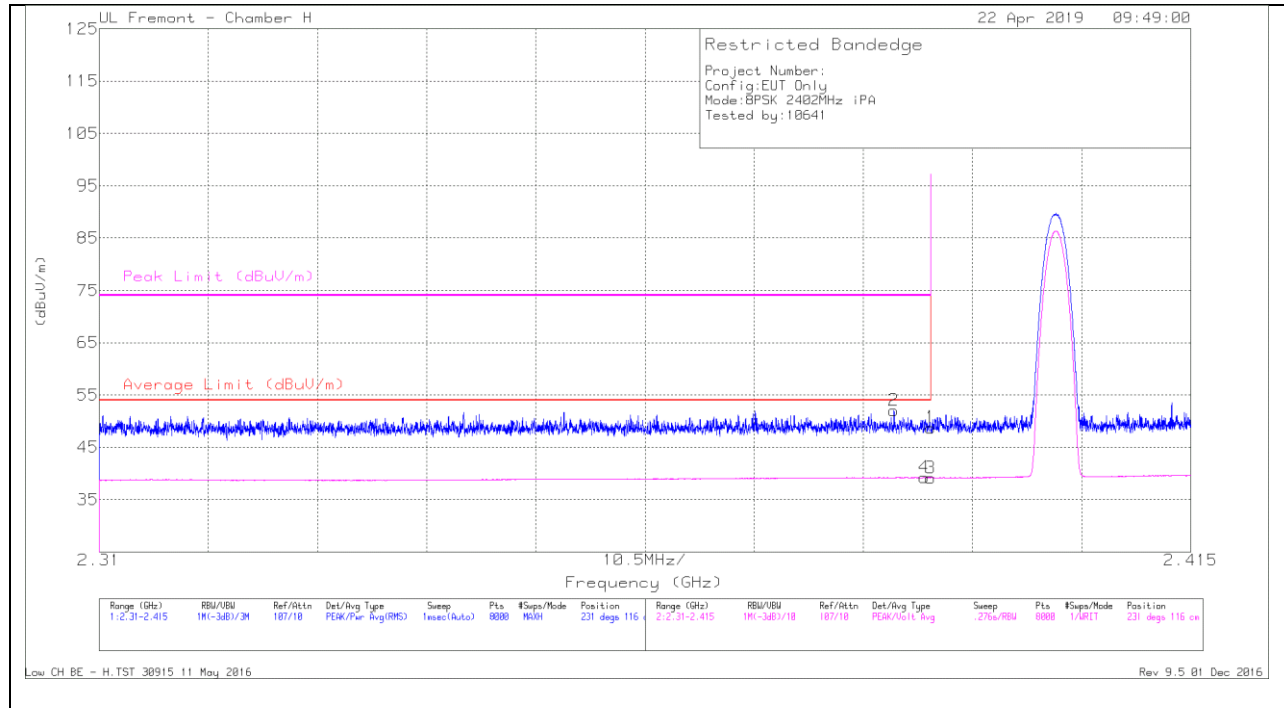
PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

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

9.1.7. ANTENNA 2, LOW POWER ENHANCED DATA RATE 8PSK MODULATION

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



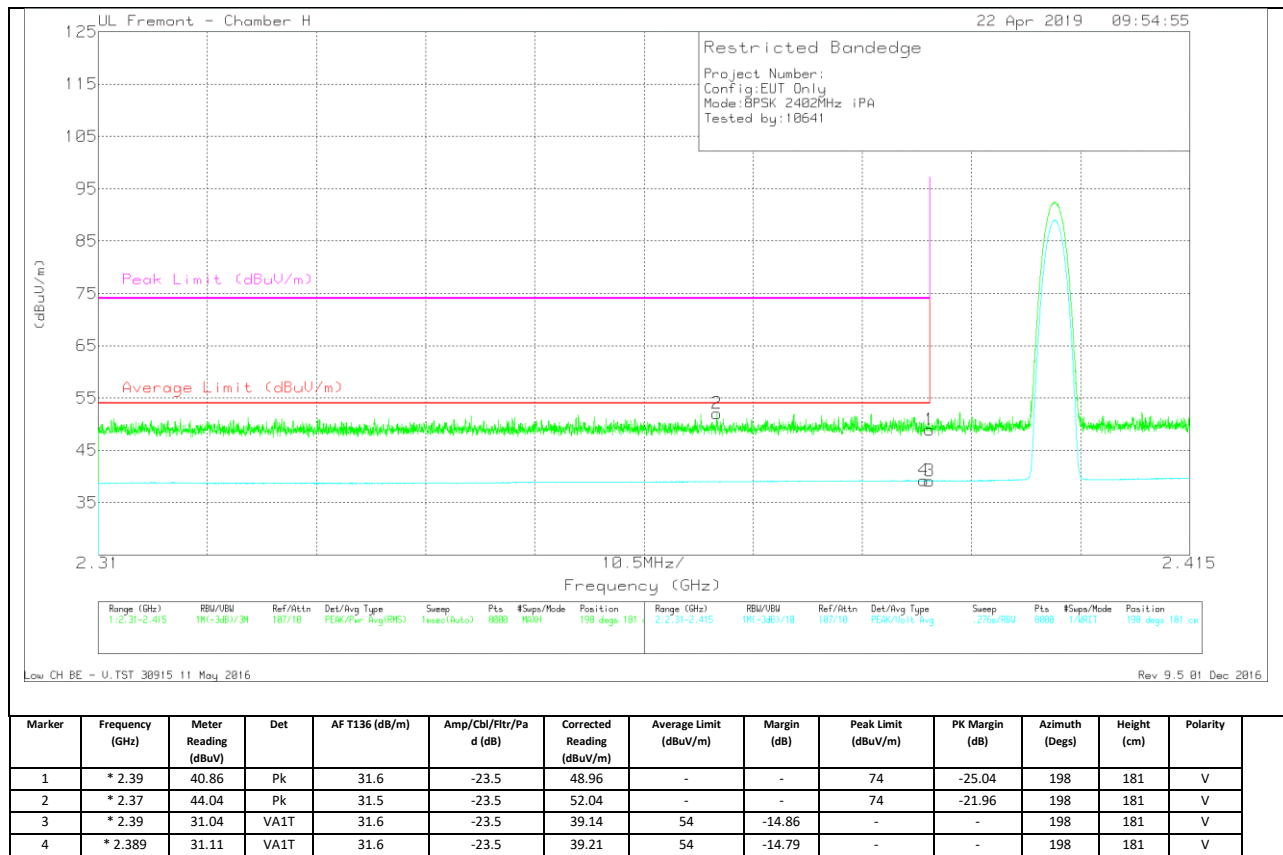
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Ftr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	40.64	Pk	31.6	-23.5	48.74	-	-	74	-25.26	231	116	H
2	* 2.386	43.91	Pk	31.6	-23.5	52.01	-	-	74	-21.99	231	116	H
3	* 2.39	31.07	VA1T	31.6	-23.5	39.17	54	-14.83	-	-	231	116	H
4	* 2.389	31.13	VA1T	31.6	-23.5	39.23	54	-14.77	-	-	231	116	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

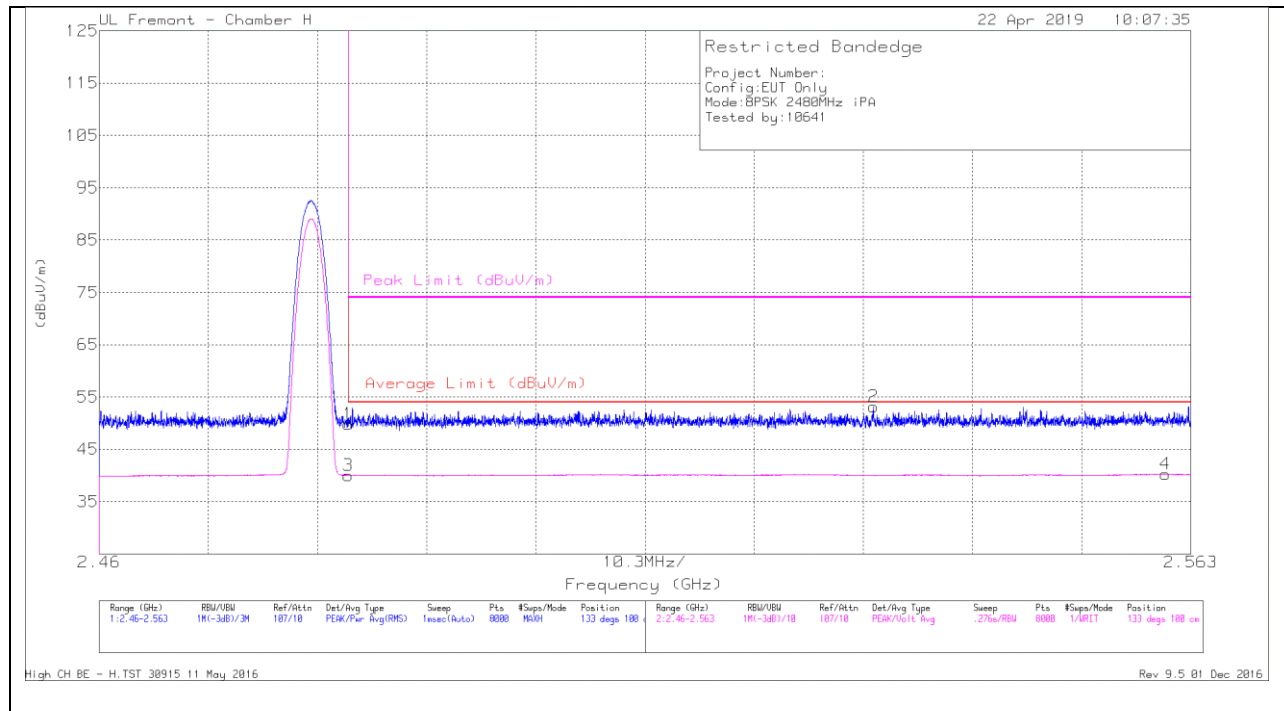
VERTICAL RESULT



* - 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

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Af T136 (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	40.83	Pk	32.3	-23.3	49.83	-	-	74	-24.17	133	100	H
3	* 2.484	31	VA1T	32.3	-23.3	40	54	-14	-	-	133	100	H
2	2.533	43.99	Pk	32.4	-23.2	53.19	-	-	74	-20.81	133	100	H
4	2.561	30.96	VA1T	32.4	-23.1	40.26	54	-13.74	-	-	133	100	H

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

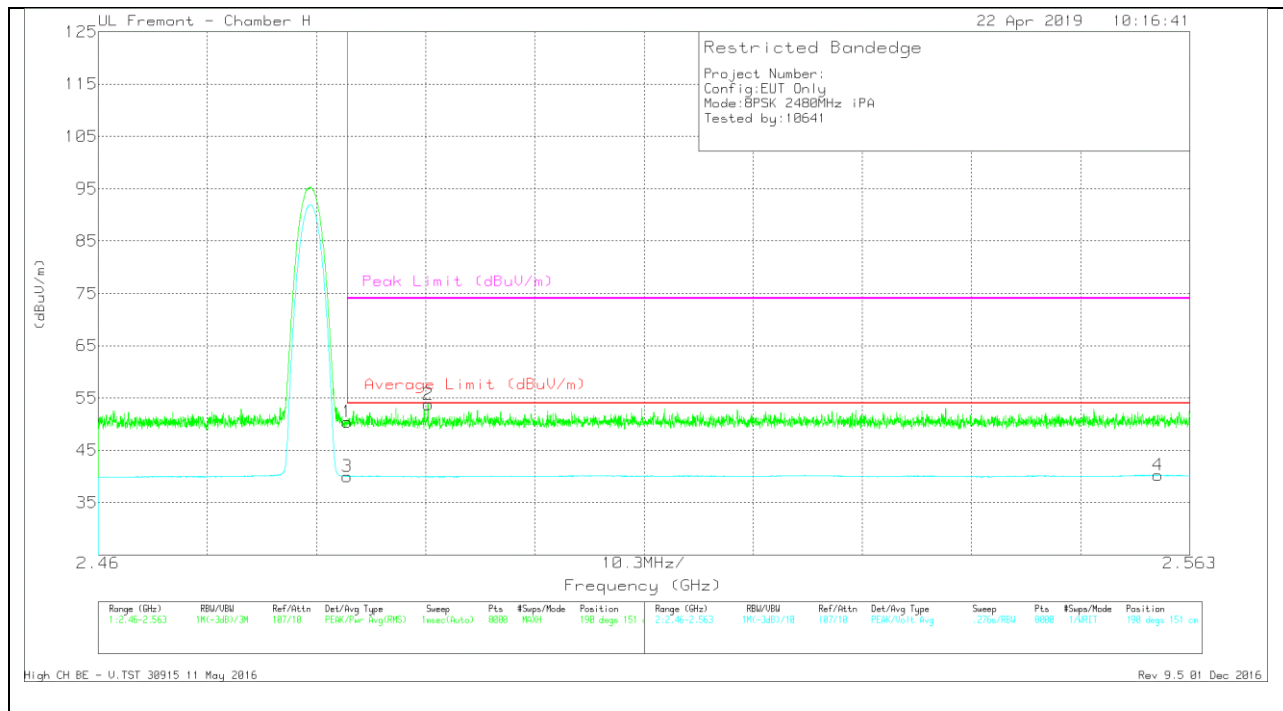
Pk - Peak detector

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

High CH BE - H.TST 30915 11 May 2016

Rev 9.5 01 Dec 2016

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (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	41.45	Pk	32.3	-23.3	50.45	-	-	74	-23.55	190	151	V
2	* 2.491	44.79	Pk	32.3	-23.3	53.79	-	-	74	-20.21	190	151	V
3	* 2.484	31.04	VA1T	32.3	-23.3	40.04	54	-13.96	-	-	190	151	V
4	2.56	30.93	VA1T	32.4	-23.1	40.23	54	-13.77	-	-	190	151	V

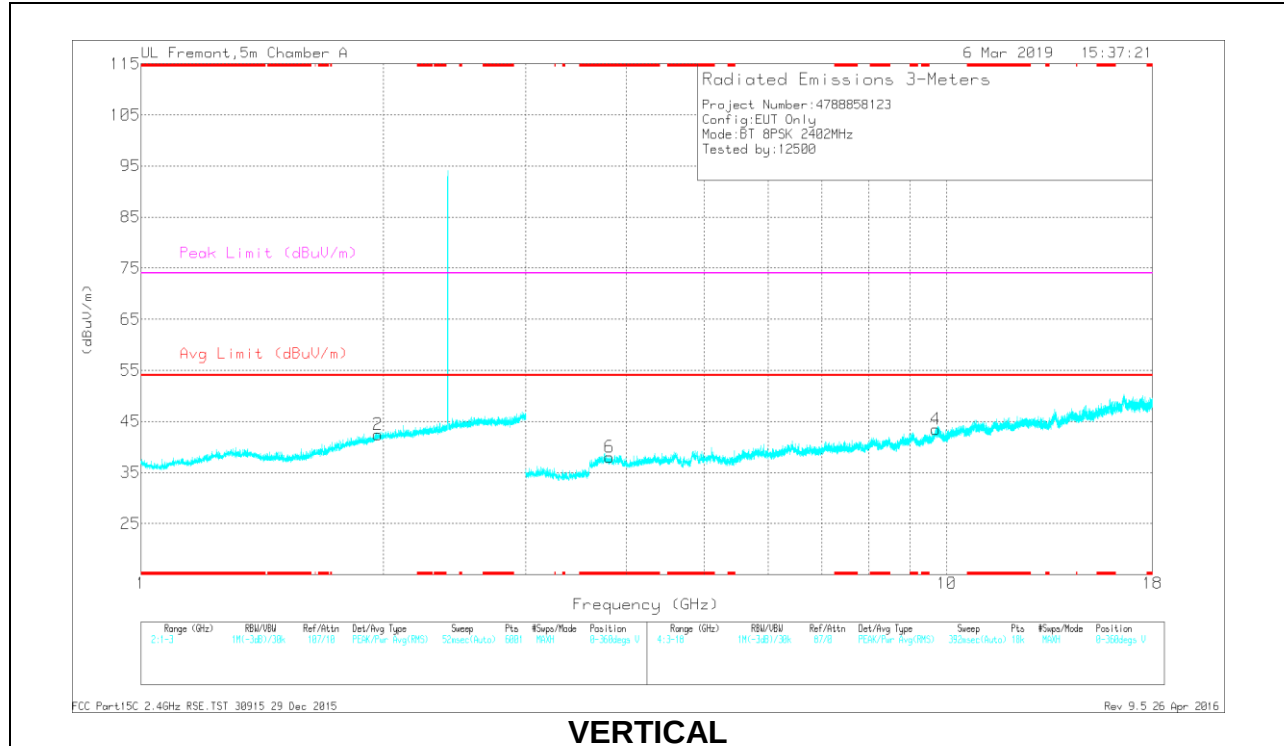
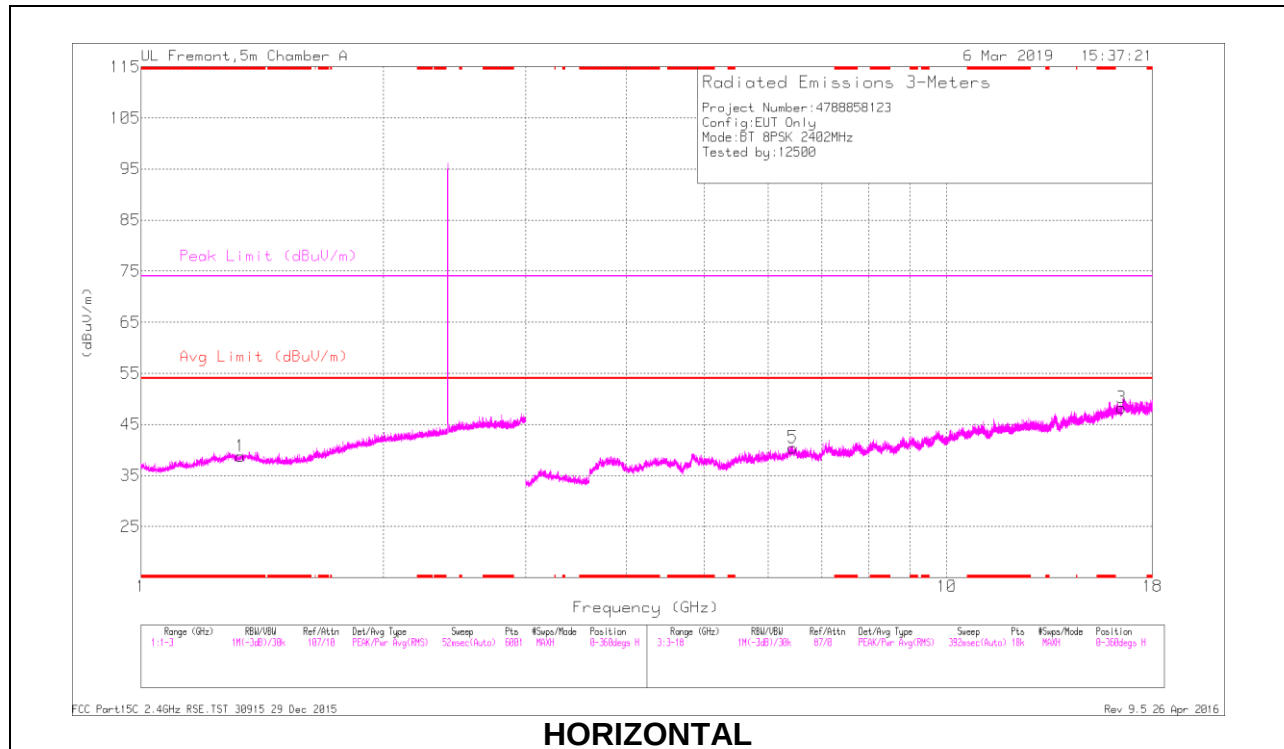
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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

Rev 9.5 01 Dec 2016

HARMONICS AND SPURIOUS EMISSIONS**LOW CHANNEL RESULTS**

RADIATED EMISSIONS

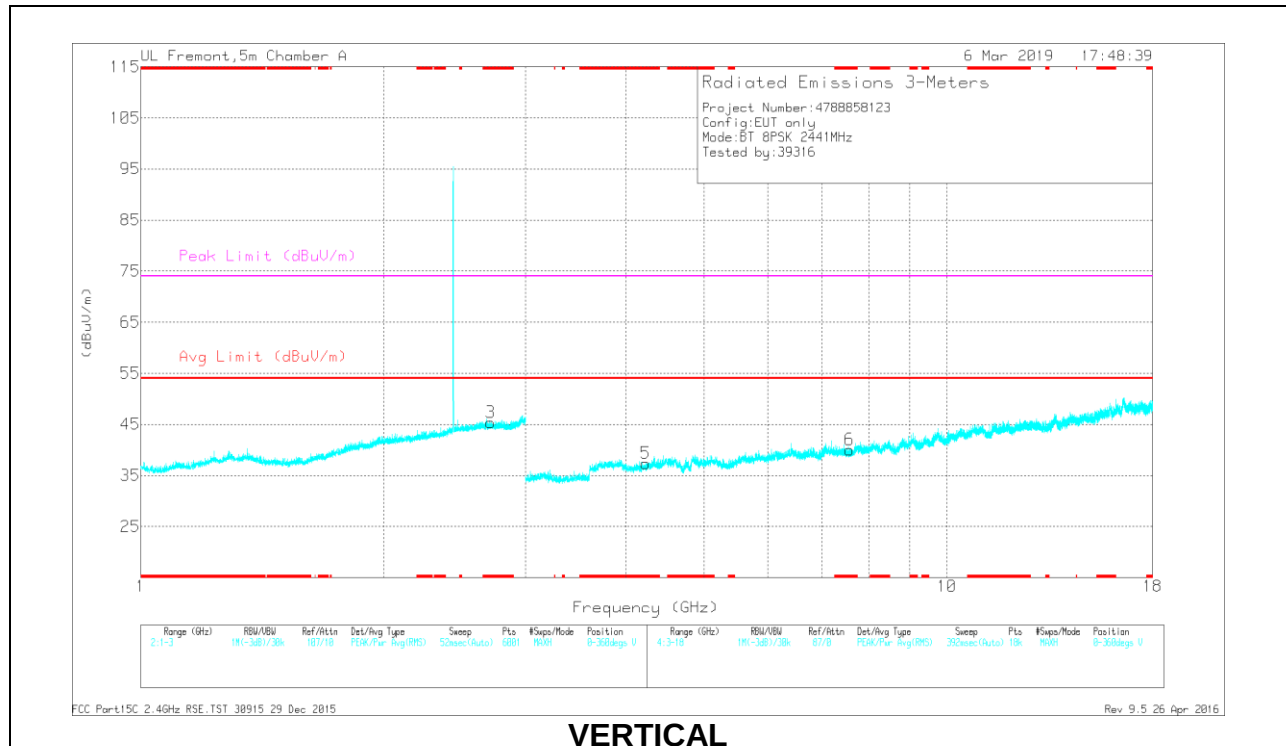
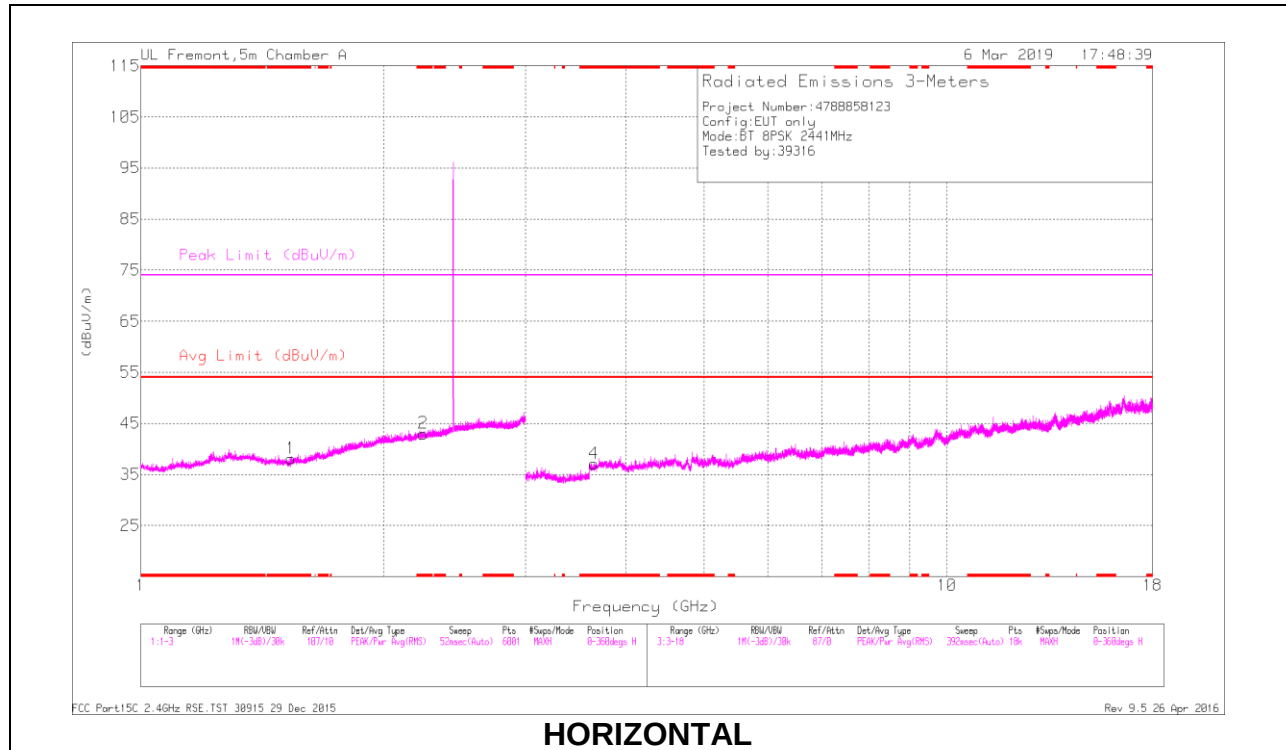
Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.327	40.37	PKFH	28.9	-24.9	44.37	-	-	74	-29.63	350	251	H
	* 1.33	29.47	VA1T	28.9	-25	33.37	54	-20.63	-	-	350	251	H
6	* 3.813	39.18	PKFH	33.5	-29.1	43.58	-	-	74	-30.42	156	306	V
	* 3.814	27.75	VA1T	33.5	-29.1	32.15	54	-21.85	-	-	156	306	V
2	1.968	41.04	PKFH	31.5	-23.7	48.84	-	-	-	-	296	338	V
5	6.436	35.4	PKFH	35.5	-24.6	46.3	-	-	-	-	0	229	H
4	9.693	34.41	PKFH	36.9	-21.1	50.21	-	-	-	-	216	101	V
3	16.471	32.83	PKFH	41.5	-20.4	53.93	-	-	-	-	39	135	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

MID CHANNEL RESULTS



RADIATED EMISSIONS

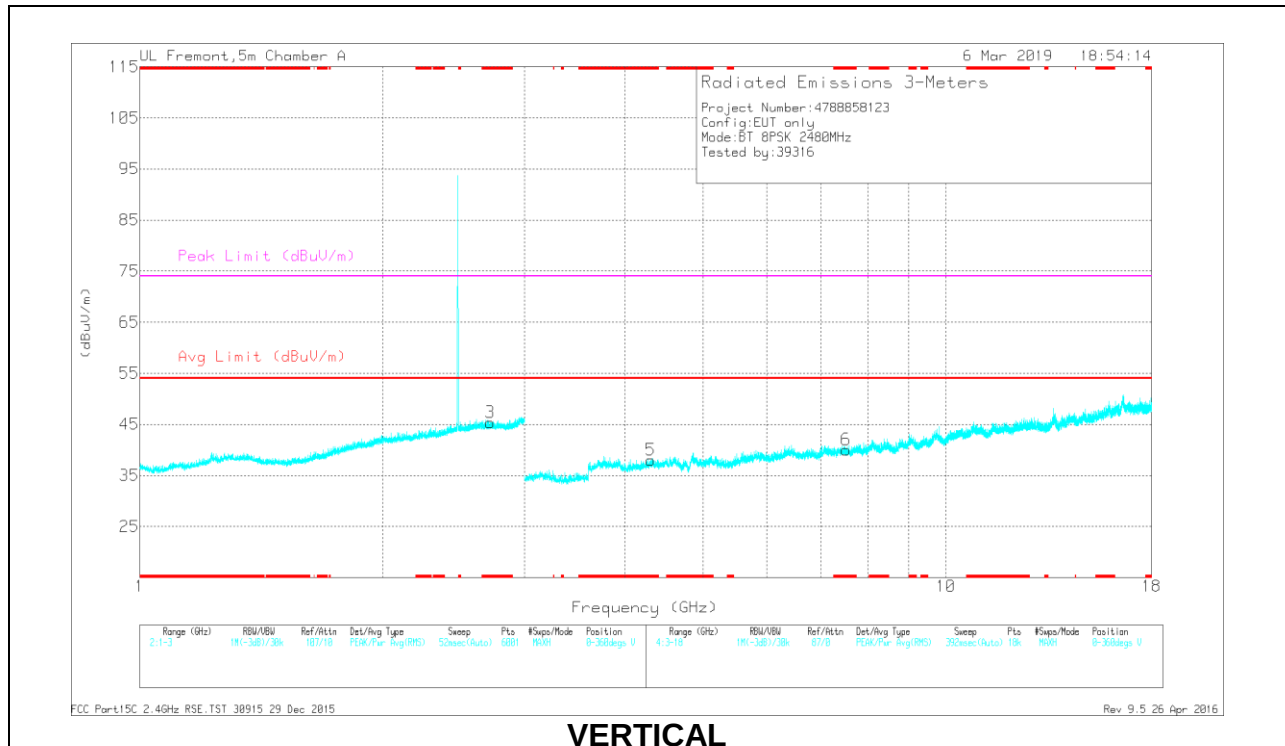
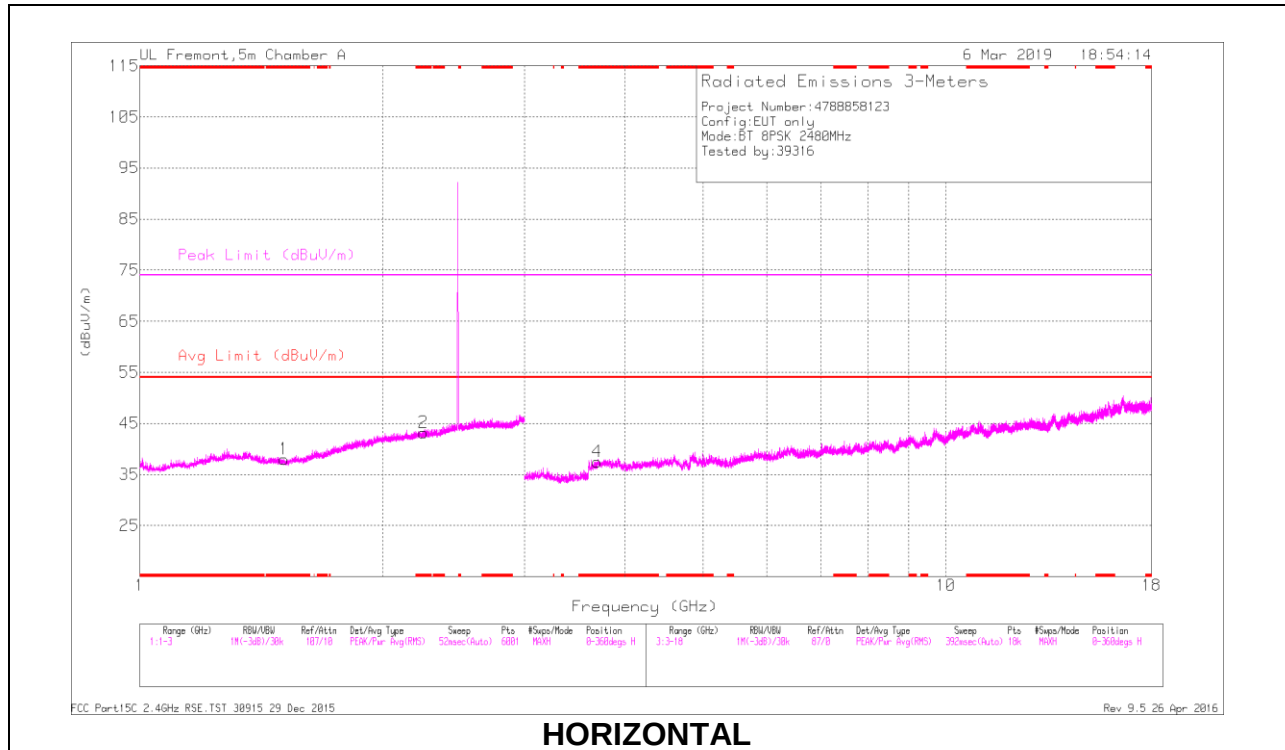
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.536	40.85	PKFH	27.9	-24.4	44.35	-	-	74	-29.65	271	330	H
	* 1.536	28.96	VA1T	27.9	-24.4	32.46	54	-21.54	-	-	271	330	H
2	* 2.242	40.33	PKFH	31.7	-22.9	49.13	-	-	74	-24.87	272	292	H
	* 2.24	28.85	VA1T	31.7	-22.9	37.65	54	-16.35	-	-	272	292	H
3	* 2.716	40.53	PKFH	32.4	-22.1	50.83	-	-	74	-23.17	119	192	V
	* 2.719	29.16	VA1T	32.4	-22.1	39.46	54	-14.54	-	-	119	192	V
4	* 3.649	39.55	PKFH	33.1	-29.1	43.55	-	-	74	-30.45	195	150	H
	* 3.646	27.08	VA1T	33.1	-29.1	31.08	54	-22.92	-	-	195	150	H
5	* 4.234	39.34	PKFH	33.7	-28.2	44.84	-	-	74	-29.16	320	138	V
	* 4.231	26.22	VA1T	33.7	-28.1	31.82	54	-22.18	-	-	320	138	V
6	* 7.574	34.66	PKFH	35.7	-23.9	46.46	-	-	74	-27.54	219	153	V
	* 7.573	22.99	VA1T	35.7	-23.9	34.79	54	-19.21	-	-	219	153	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 T345 (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	* 1.512	40.19	PKFH	27.8	-24.5	43.49	-	-	74	-30.51	355	203	H
	* 1.508	29.19	VA1T	27.8	-24.5	32.49	54	-21.51	-	-	355	203	H
2	* 2.249	40.3	PKFH	31.6	-22.8	49.1	-	-	74	-24.9	2	133	H
	* 2.247	28.98	VA1T	31.6	-22.9	37.68	54	-16.32	-	-	2	133	H
3	* 2.72	40.24	PKFH	32.4	-22.1	50.54	-	-	74	-23.46	276	271	V
	* 2.721	29.14	VA1T	32.4	-22.1	39.44	54	-14.56	-	-	276	271	V
4	* 3.694	38.89	PKFH	33.1	-29	42.99	-	-	74	-31.01	222	166	H
	* 3.694	27.27	VA1T	33.1	-29	31.37	54	-22.63	-	-	222	166	H
5	* 4.309	37.81	PKFH	33.9	-28.2	43.51	-	-	74	-30.49	279	148	V
	* 4.308	26.31	VA1T	33.9	-28.2	32.01	54	-21.99	-	-	279	148	V
6	* 7.523	33.64	PKFH	35.6	-23.4	45.84	-	-	74	-28.16	163	169	V
	* 7.523	22.41	VA1T	35.6	-23.4	34.61	54	-19.39	-	-	163	169	V

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

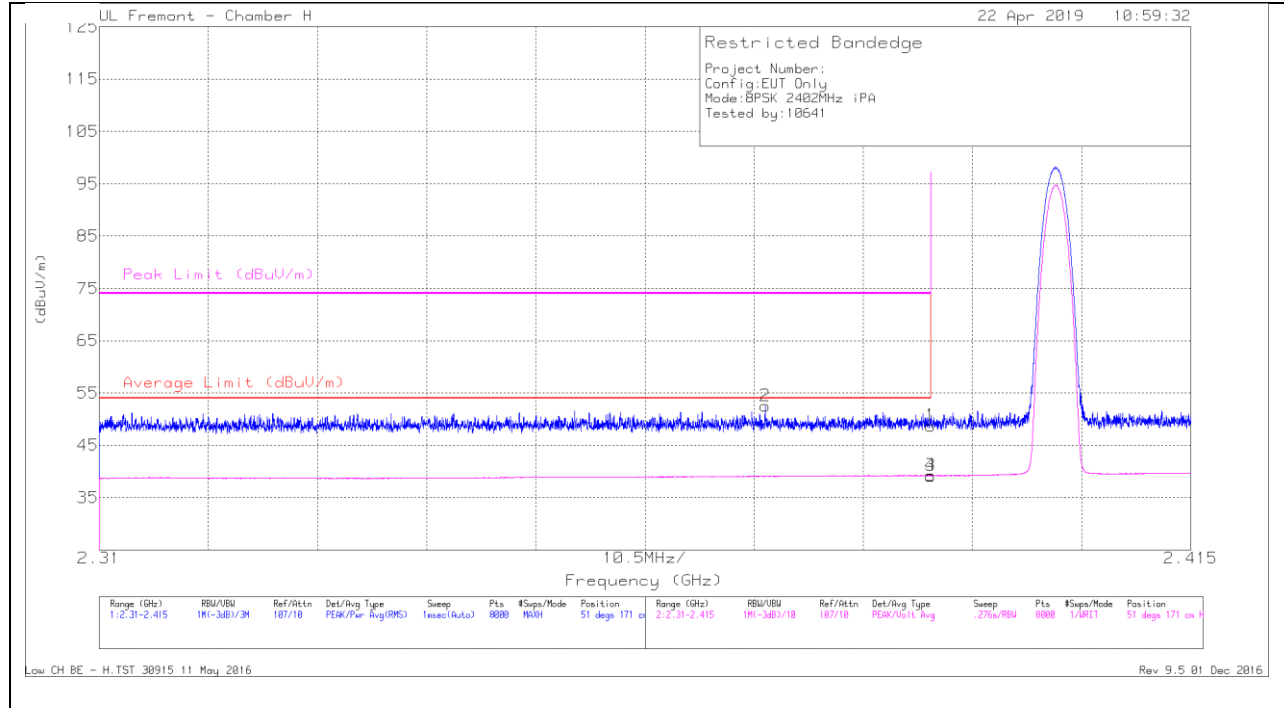
PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

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

9.1.8. ANTENNA 5, LOW POWER ENHANCED DATA RATE 8PSK MODULATION

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



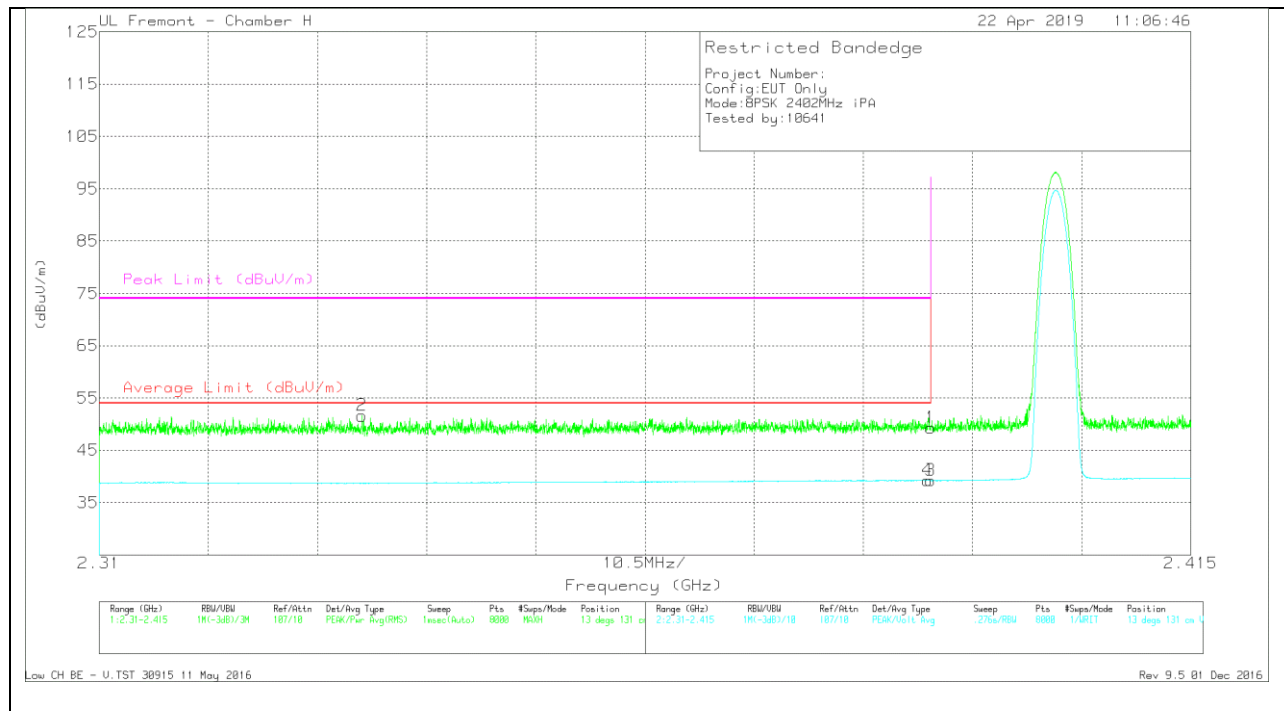
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Ftr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	40.64	Pk	31.6	-23.5	48.74	-	-	74	-25.26	51	171	H
2	* 2.374	44.38	Pk	31.6	-23.5	52.48	-	-	74	-21.52	51	171	H
3	* 2.39	31.08	VA1T	31.6	-23.5	39.18	54	-14.82	-	-	51	171	H
4	* 2.39	31.12	VA1T	31.6	-23.5	39.22	54	-14.78	-	-	51	171	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

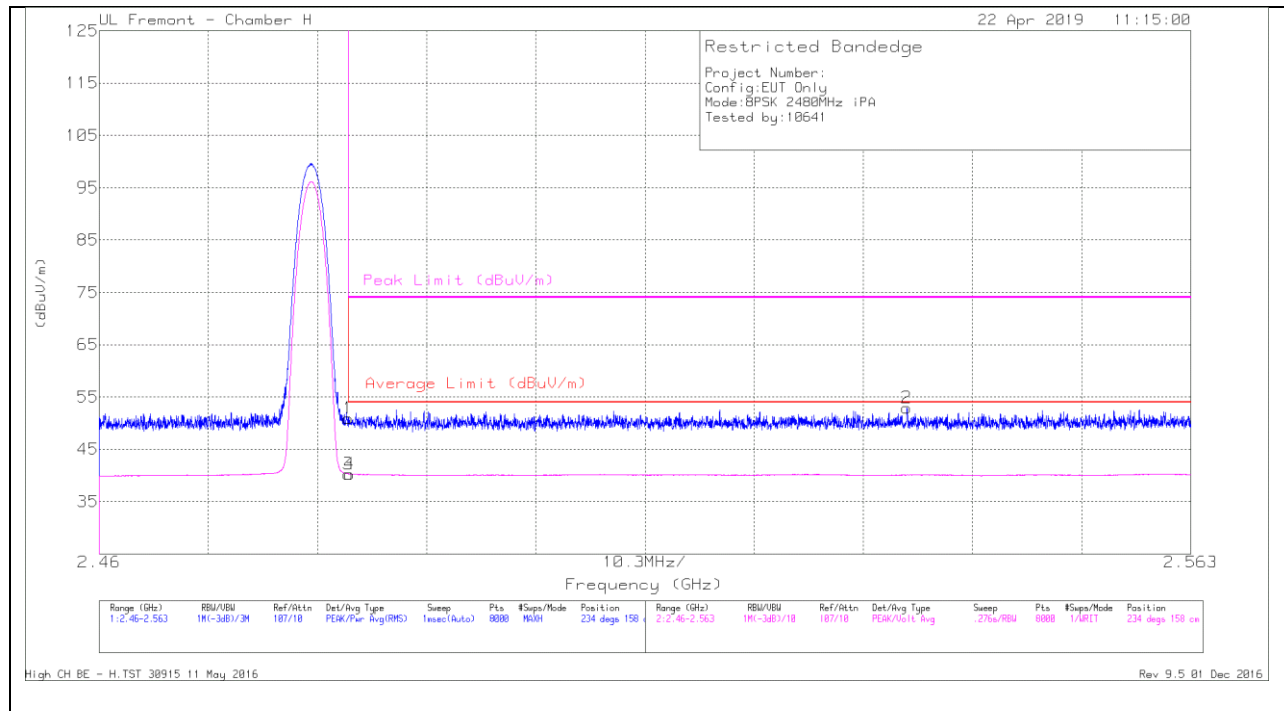


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	41.23	Pk	31.6	-23.5	49.33	-	-	74	-24.67	13	131	V
2	* 2.335	44	Pk	31.2	-23.6	51.6	-	-	74	-22.4	13	131	V
3	* 2.39	31.12	VA1T	31.6	-23.5	39.22	54	-14.78	-	-	13	131	V
4	* 2.39	31.16	VA1T	31.6	-23.5	39.26	54	-14.74	-	-	13	131	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

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

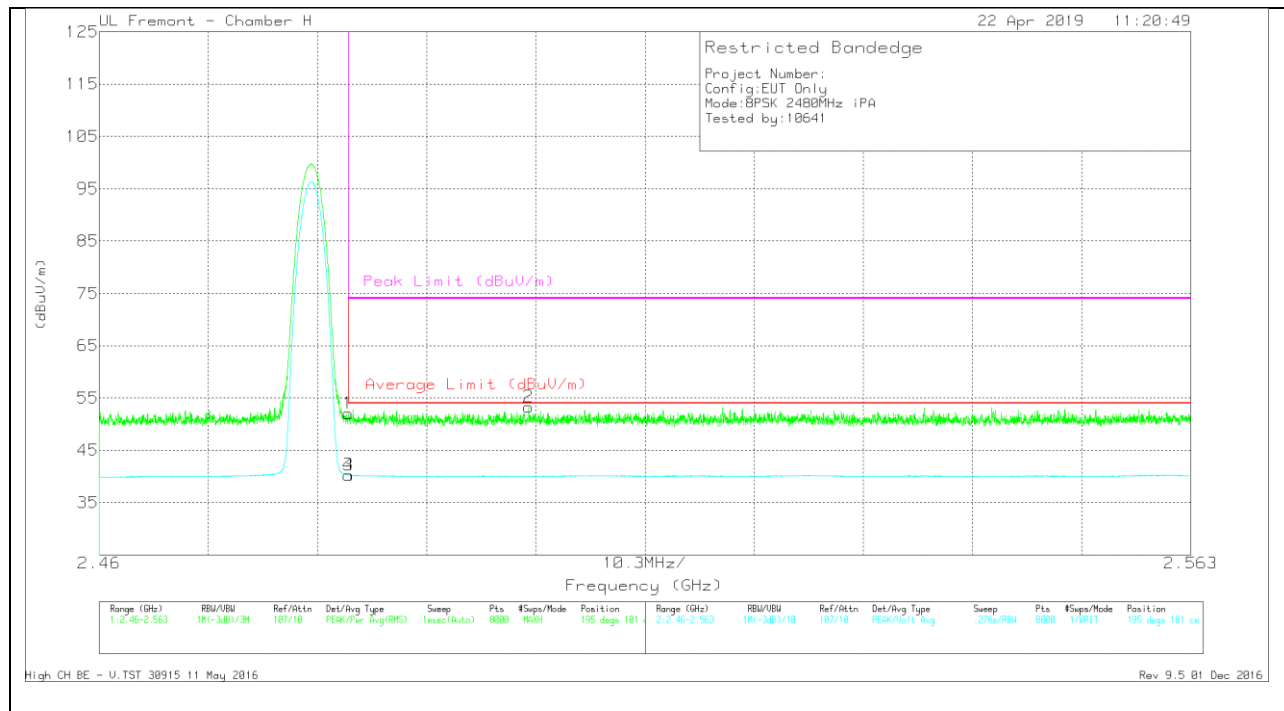
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	41.93	Pk	32.3	-23.3	50.93	-	-	74	-23.07	234	158	H
3	* 2.484	31.27	VA1T	32.3	-23.3	40.27	54	-13.73	-	-	234	158	H
4	* 2.484	31.29	VA1T	32.3	-23.3	40.29	54	-13.71	-	-	234	158	H
2	2.536	43.68	Pk	32.3	-23.1	52.88	-	-	74	-21.12	234	158	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

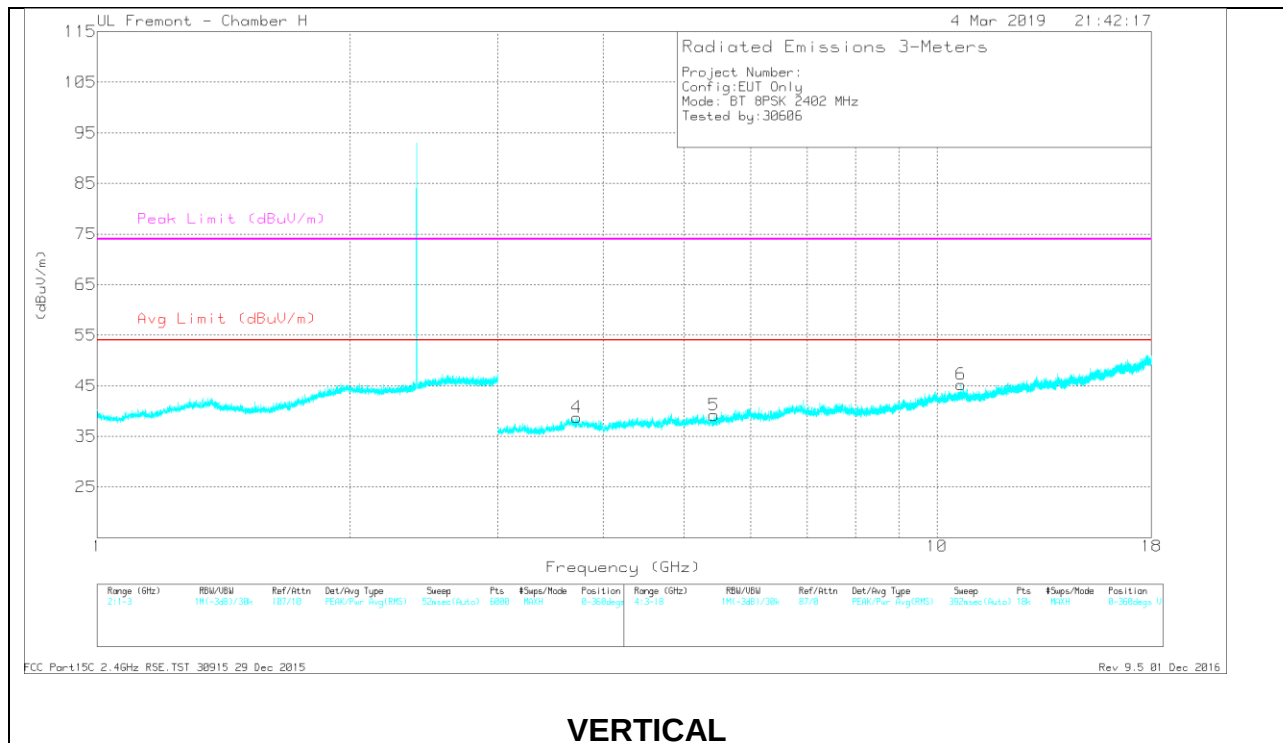
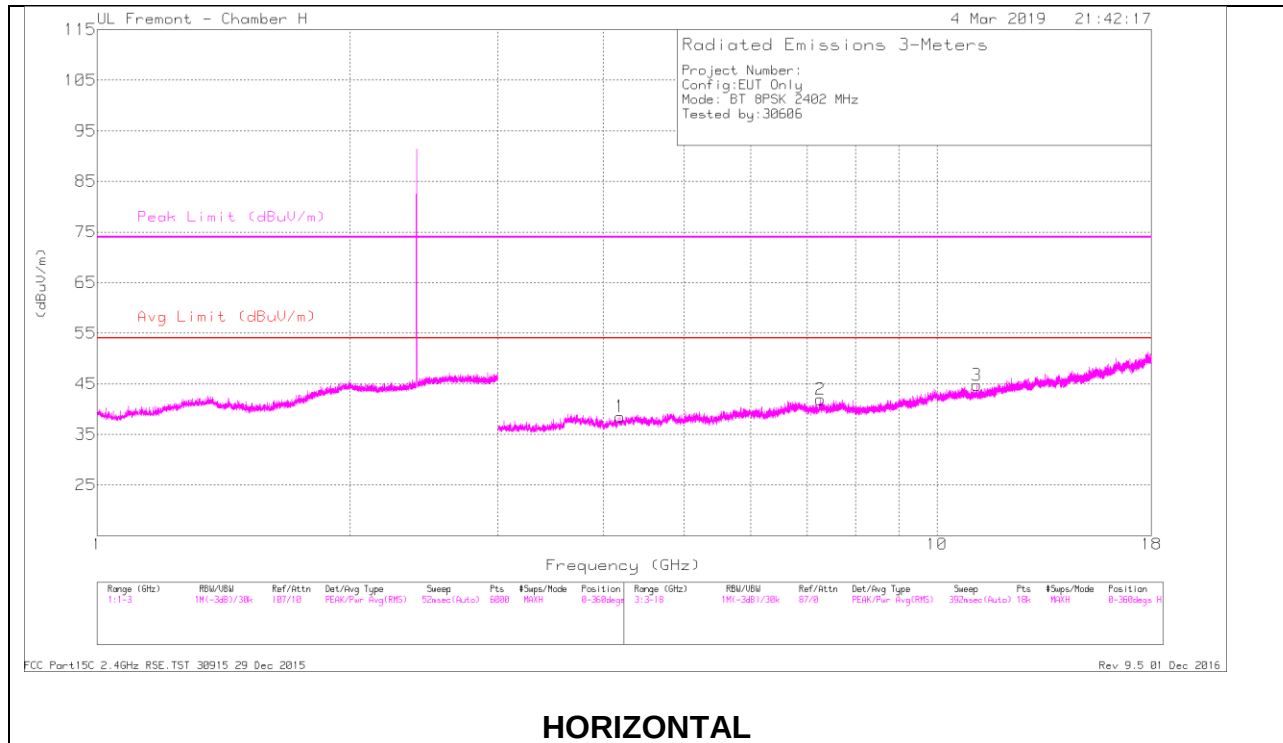


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	43.04	Pk	32.3	-23.3	52.04	-	-	74	-21.96	195	101	V
3	* 2.484	31.27	VA1T	32.3	-23.3	40.27	54	-13.73	-	-	195	101	V
4	* 2.484	31.29	VA1T	32.3	-23.3	40.29	54	-13.71	-	-	195	101	V
2	2.501	44.29	Pk	32.3	-23.3	53.29	-	-	74	-20.71	195	101	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

Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dB uV/m)	Margin (dB)	Peak Limit (dB uV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.192	40.88	PKFH	33.3	-30.5	43.68	-	-	74	-30.32	157	197	H
	* 4.191	28.86	VA1T	33.3	-30.5	31.66	54	-22.34	-	-	157	197	H
2	* 7.259	37.67	PKFH	36.3	-27.2	46.77	-	-	74	-27.23	160	131	H
	* 7.259	26.14	VA1T	36.3	-27.2	35.24	54	-18.76	-	-	160	131	H
3	* 11.16	34.03	PKFH	37.9	-22.7	49.23	-	-	74	-24.77	276	180	H
	* 11.156	22.79	VA1T	37.9	-22.7	37.99	54	-16.01	-	-	276	180	H
4	* 3.725	41.41	PKFH	33.2	-30.8	43.81	-	-	74	-30.19	355	321	V
	* 3.726	29.27	VA1T	33.2	-30.7	31.77	54	-22.23	-	-	355	321	V
5	* 5.426	38.46	PKFH	34.6	-29.1	43.96	-	-	74	-30.04	152	250	V
	* 5.427	27.17	VA1T	34.6	-29.1	32.67	54	-21.33	-	-	152	250	V
6	* 10.687	34.62	PKFH	37.7	-22.7	49.62	-	-	74	-24.38	163	278	V
	* 10.687	22.86	VA1T	37.7	-22.7	37.86	54	-16.14	-	-	163	278	V

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

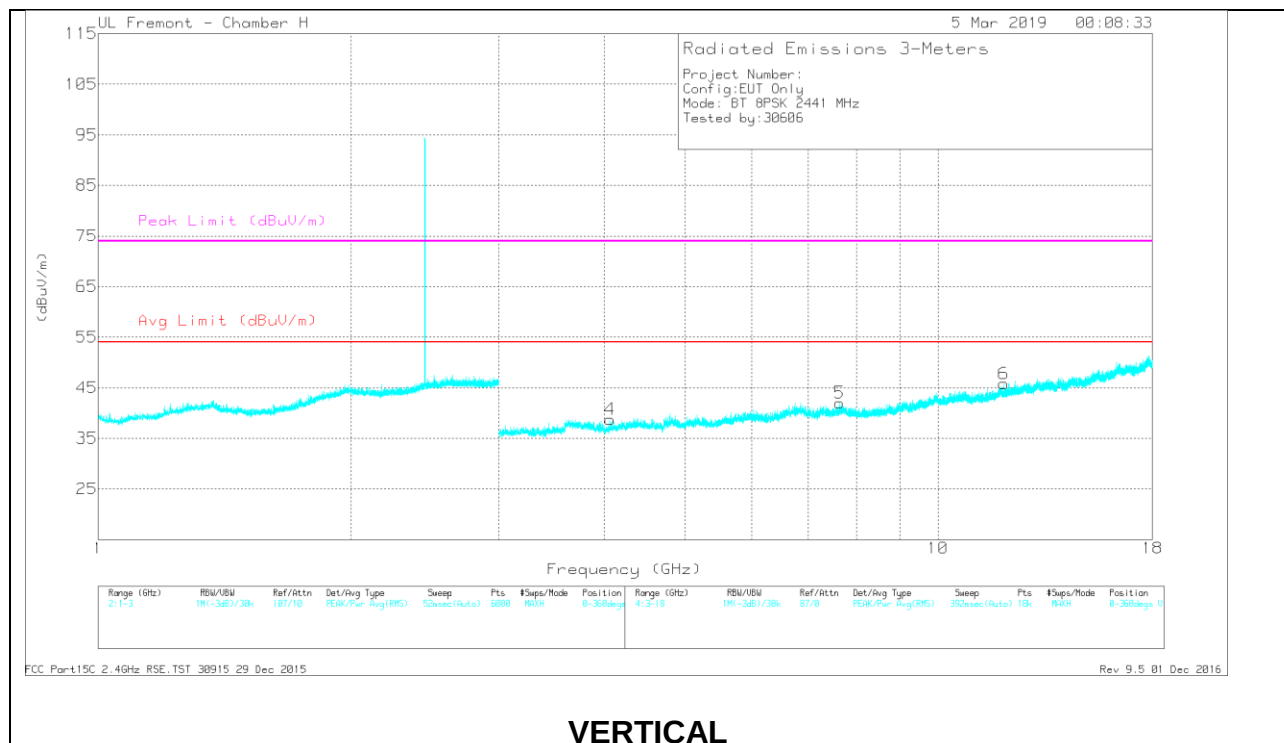
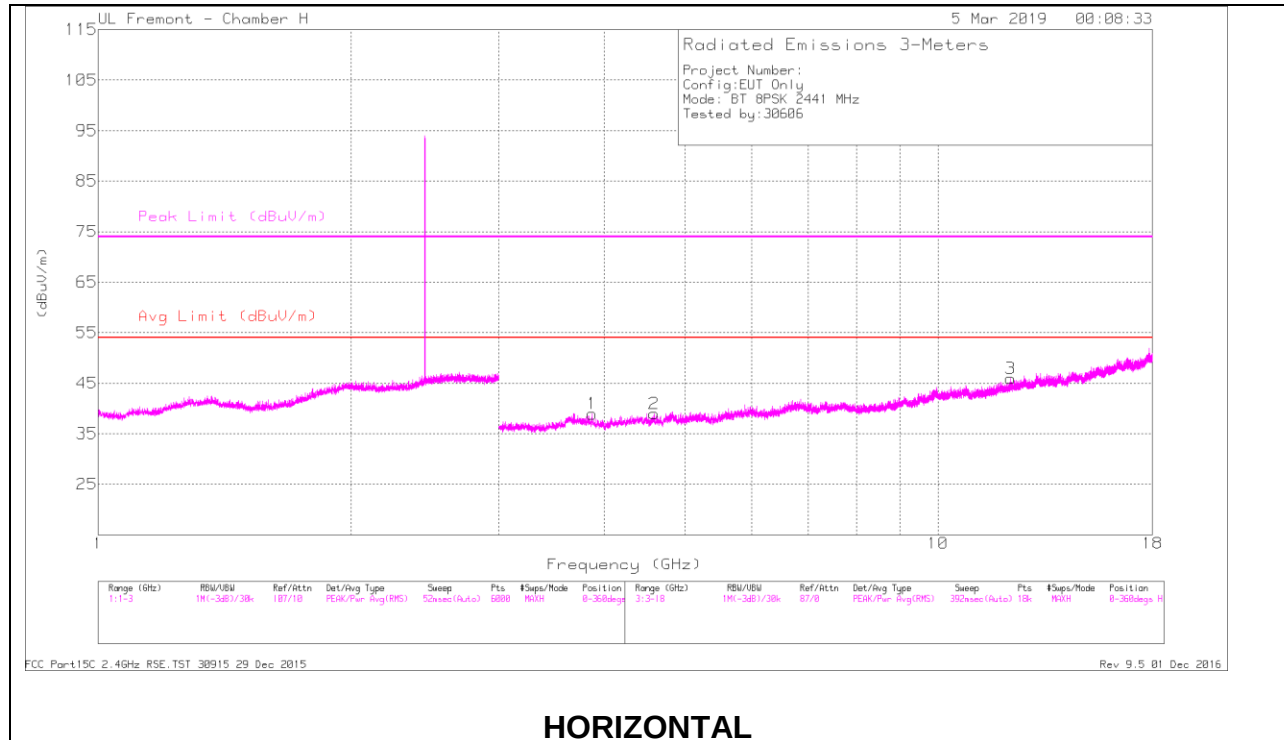
PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

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

FCC Part15C 2.4GHz RSE.TST 30915 29 Dec 2015

Rev 9.5 01 Dec 2016

MID CHANNEL RESULTS



RADIATED EMISSIONS

Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dB uV/m)	Margin (dB)	Peak Limit (dB uV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.876	41.14	PKFH	33.5	-30.4	44.24	-	-	74	-29.76	242	193	H
	* 3.878	29.03	VA1T	33.4	-30.4	32.03	54	-21.97	-	-	242	193	H
2	* 4.591	39.69	PKFH	34.2	-30.1	43.79	-	-	74	-30.21	25	353	H
	* 4.592	28.4	VA1T	34.2	-30.1	32.5	54	-21.5	-	-	25	353	H
3	* 12.205	34.88	PKFH	39.1	-23	50.98	-	-	74	-23.02	0	186	H
	* 12.203	22.99	VA1T	39.1	-23	39.09	54	-14.91	-	-	0	186	H
4	* 4.07	40.79	PKFH	33.3	-30.7	43.39	-	-	74	-30.61	360	179	V
	* 4.071	29.08	VA1T	33.3	-30.7	31.68	54	-22.32	-	-	360	179	V
5	* 7.632	37.88	PKFH	36.6	-27.4	47.08	-	-	74	-26.92	252	337	V
	* 7.632	25.82	VA1T	36.6	-27.4	35.02	54	-18.98	-	-	252	337	V
6	* 11.977	36.39	PKFH	38.8	-23.1	52.09	-	-	74	-21.91	326	193	V
	* 11.981	23.09	VA1T	38.9	-23.1	38.89	54	-15.11	-	-	326	193	V

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

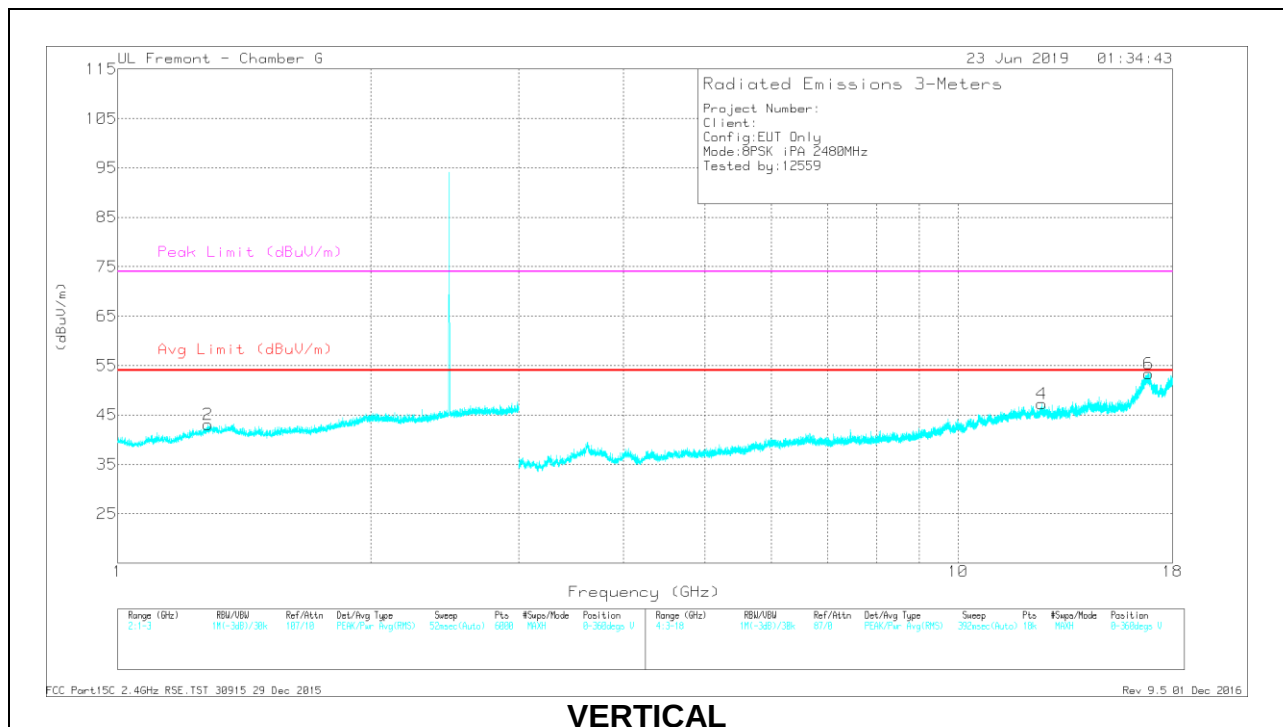
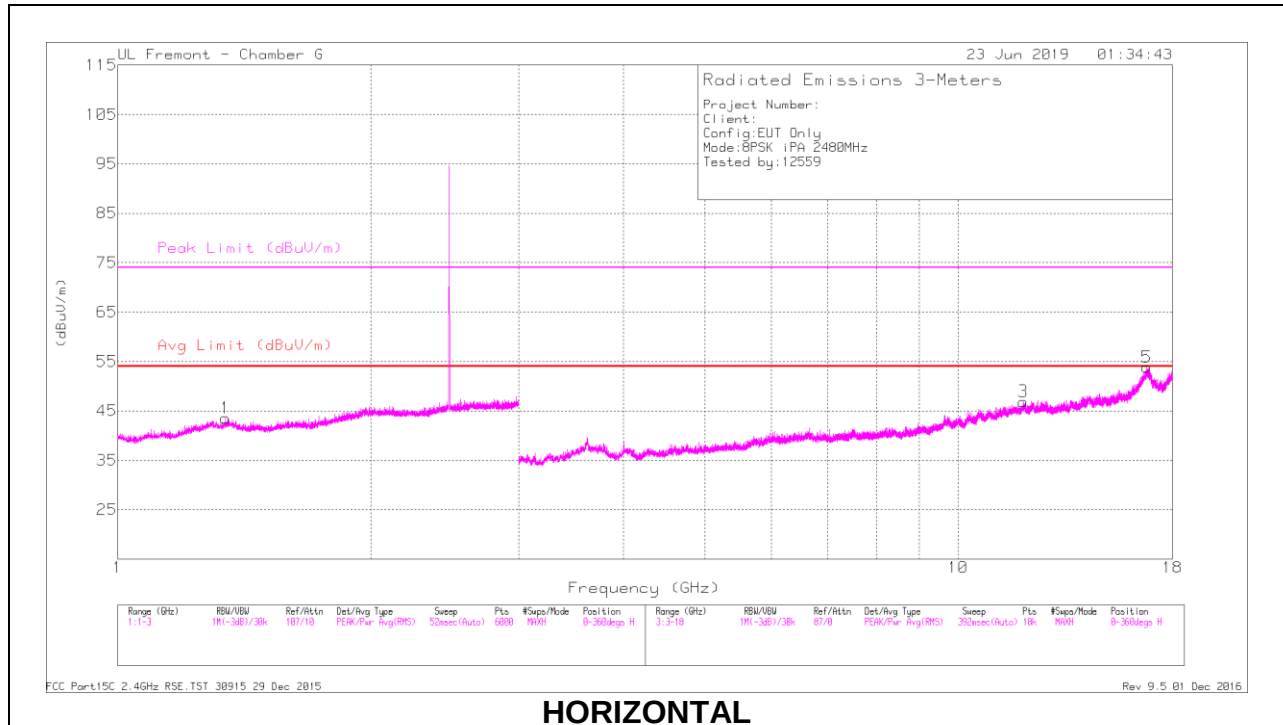
PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

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

FCC Part15C 2.4GHz RSE.TST 30915 29 Dec 2015

Rev 9.5 01 Dec 2016

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dB uV/m)	Margin (dB)	Peak Limit (dB uV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.343	41.94	PKFH	29.8	-23.3	48.44	-	-	74	-25.56	193	328	H
	* 1.345	30.59	VA1T	29.8	-23.3	37.09	54	-16.91	-	-	193	328	H
2	* 1.281	42.69	PKFH	29.7	-23.6	48.79	-	-	74	-25.21	215	149	V
	* 1.281	30.75	VA1T	29.8	-23.6	36.95	54	-17.05	-	-	215	149	V
3	* 11.956	35.63	PKFH	39.4	-21.9	53.13	-	-	74	-20.87	97	188	H
	* 11.956	23.36	VA1T	39.4	-21.9	40.86	54	-13.14	-	-	97	188	H
4	* 12.582	34.96	PKFH	39.6	-22.7	51.86	-	-	74	-22.14	145	313	V
	* 12.579	23.43	VA1T	39.6	-22.7	40.33	54	-13.67	-	-	145	313	V
5	16.785	23.78	VA1T	41.7	-17.5	47.98	-	-	-	-	262	377	H
	16.786	35.58	PKFH	41.7	-17.5	59.78	-	-	-	-	262	377	H
6	16.849	35.07	PKFH	41.7	-17.7	59.07	-	-	-	-	352	158	V
	16.849	23.27	VA1T	41.7	-17.7	47.27	-	-	-	-	352	158	V

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

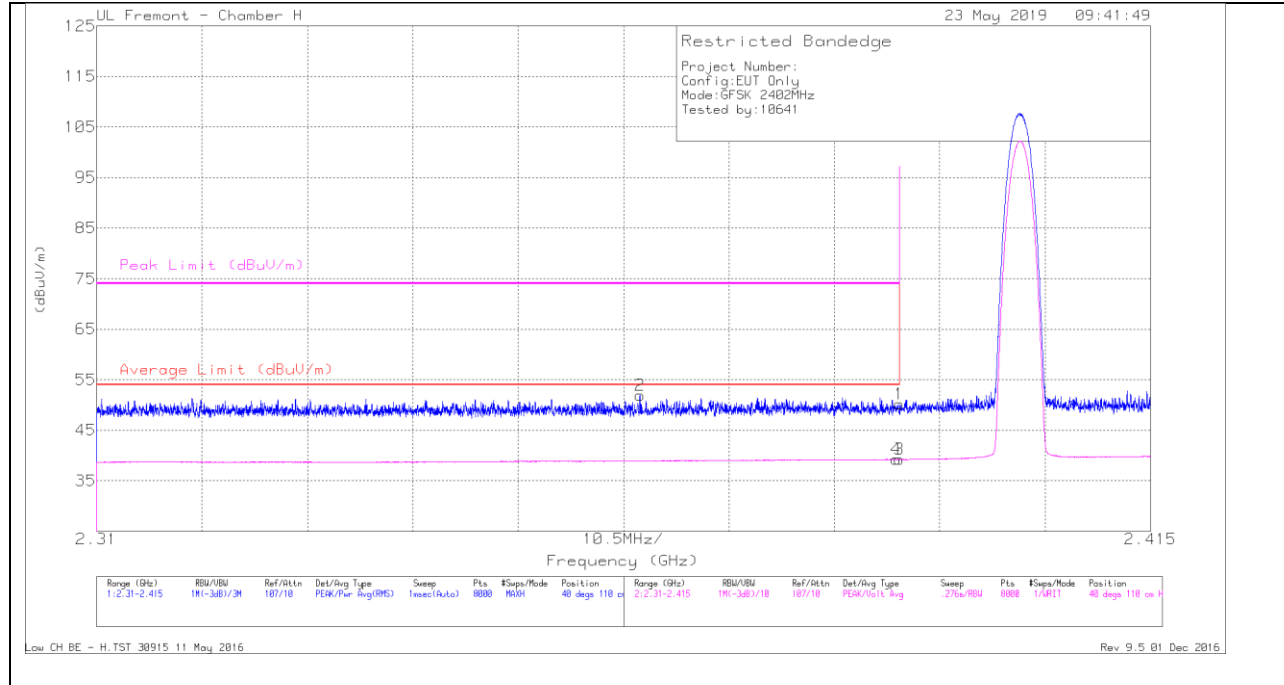
PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

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

9.1.9. Beamforming HIGH POWER BASIC DATA RATE GFSK MODULATION

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



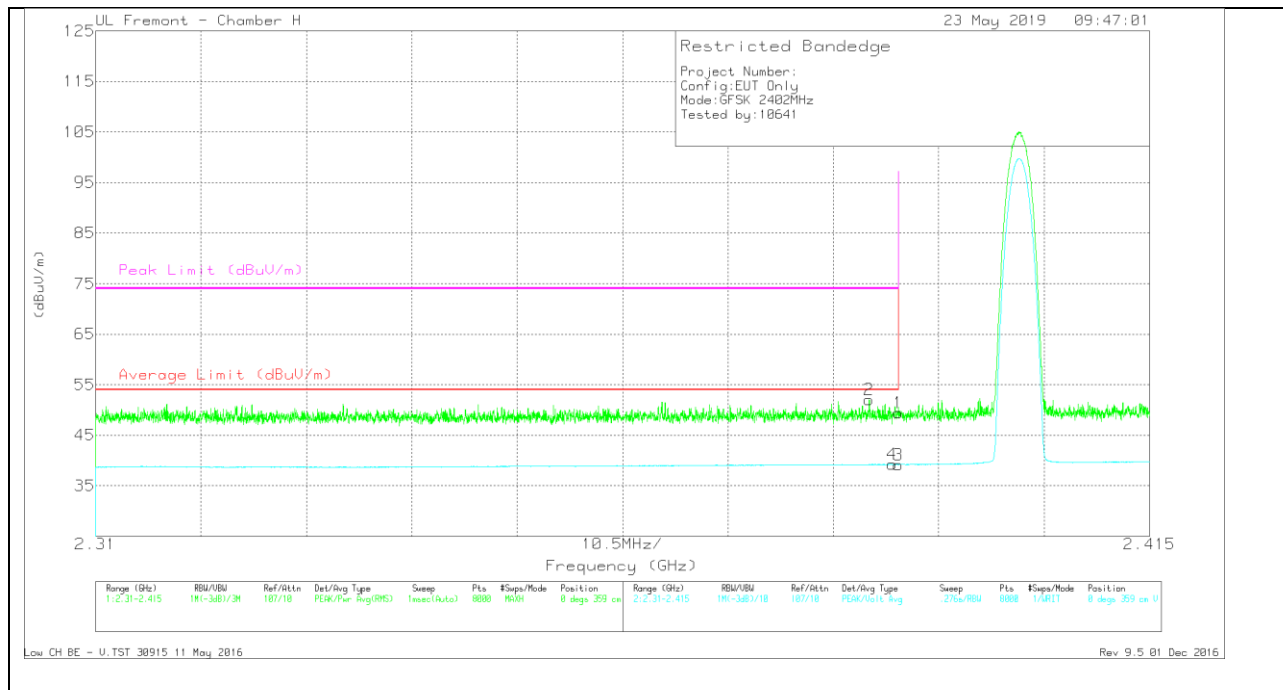
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	42.08	PK	31.6	-23.5	50.18	-	-	74	-23.82	40	110	H
2	* 2.364	44.08	PK	31.4	-23.6	51.88	-	-	74	-22.12	40	110	H
3	* 2.39	31.09	VA1T	31.6	-23.5	39.19	54	-14.81	-	-	40	110	H
4	* 2.39	31.12	VA1T	31.6	-23.5	39.22	54	-14.78	-	-	40	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

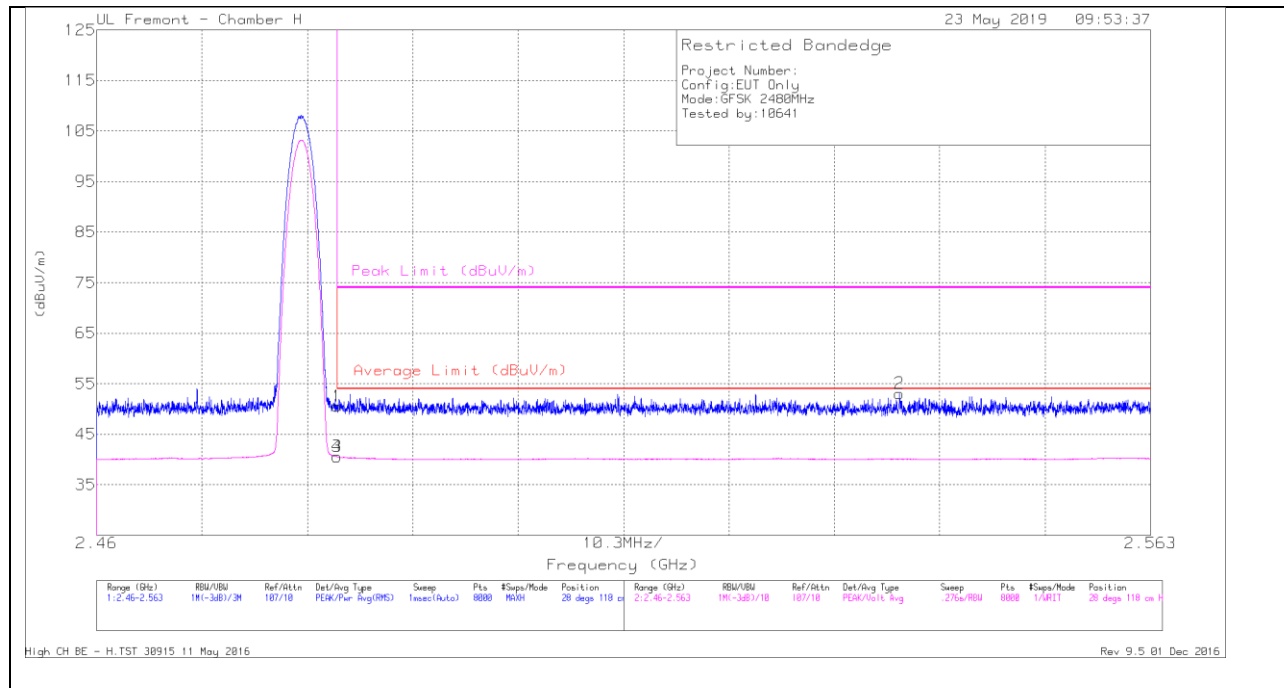


Marker	Frequency (GHz)	Meter Reading (dBUV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBUV/m)	Average Limit (dBUV/m)	Margin (dB)	Peak Limit (dBUV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	41.32	Pk	31.6	-23.5	49.42	-	-	74	-24.58	0	359	V
2	* 2.387	43.95	Pk	31.6	-23.5	52.05	-	-	74	-21.95	0	359	V
3	* 2.39	31.07	VA1T	31.6	-23.5	39.17	54	-14.83	-	-	0	359	V
4	* 2.389	31.14	VA1T	31.6	-23.5	39.24	54	-14.76	-	-	0	359	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

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

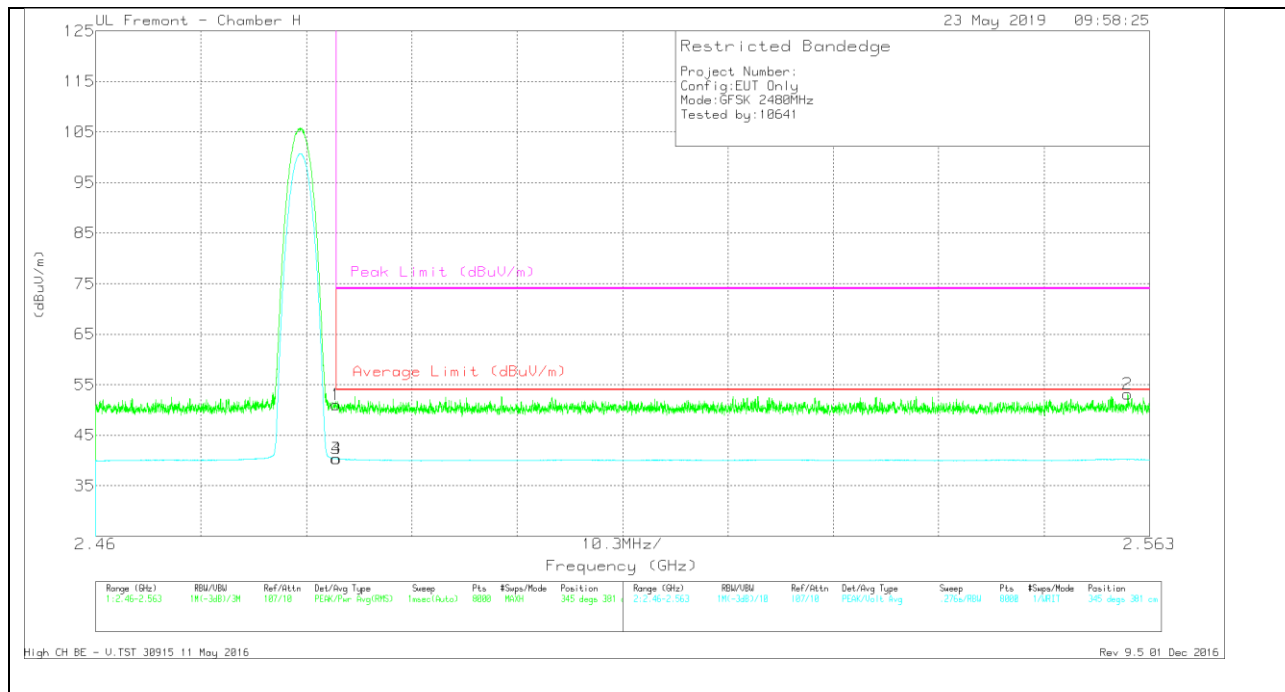
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	41.58	Pk	32.3	-23.3	50.58	-	-	74	-23.42	28	118	H
3	* 2.484	31.55	VA1T	32.3	-23.3	40.55	54	-13.45	-	-	28	118	H
4	* 2.484	31.55	VA1T	32.3	-23.3	40.55	54	-13.45	-	-	28	118	H
2	2.538	43.88	Pk	32.3	-23.1	53.08	-	-	74	-20.92	28	118	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

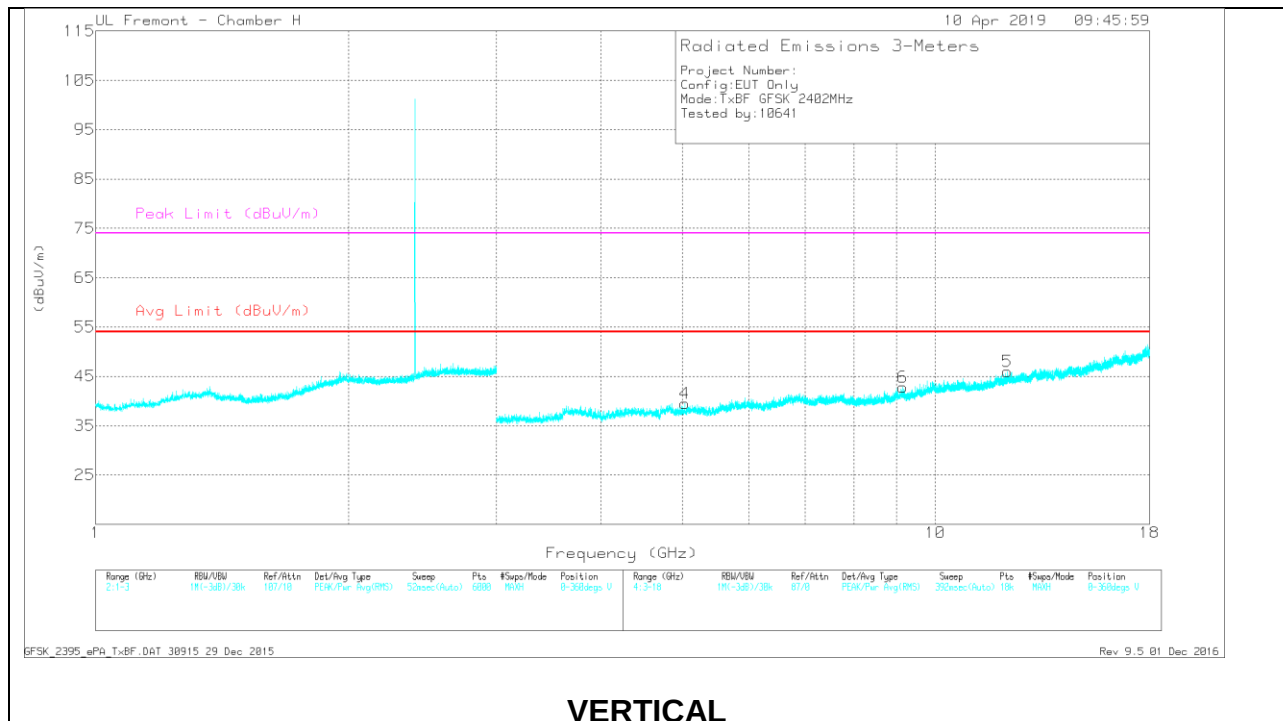
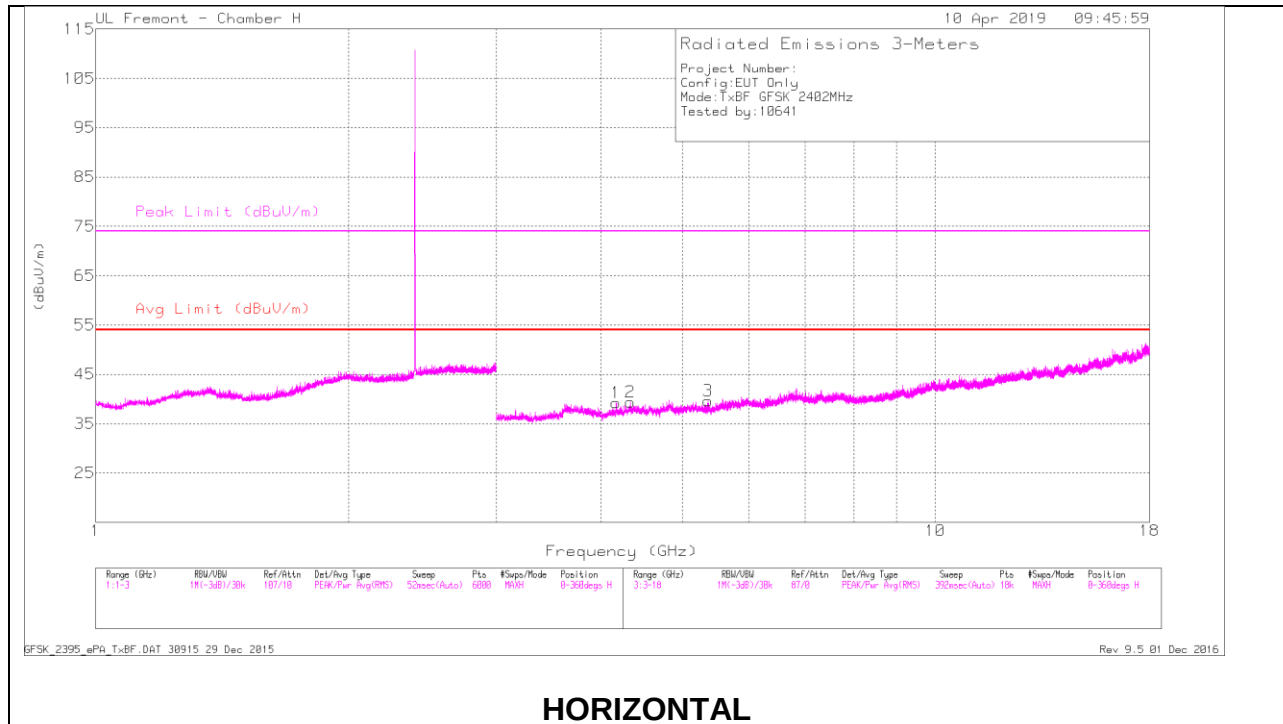


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	42.01	Pk	32.3	-23.3	51.01	-	-	74	-22.99	345	381	V
3	* 2.484	31.34	VA1T	32.3	-23.3	40.34	54	-13.66	-	-	345	381	V
4	* 2.484	31.33	VA1T	32.3	-23.3	40.33	54	-13.67	-	-	345	381	V
2	2.561	43.88	Pk	32.4	-23.1	53.18	-	-	74	-20.82	345	381	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

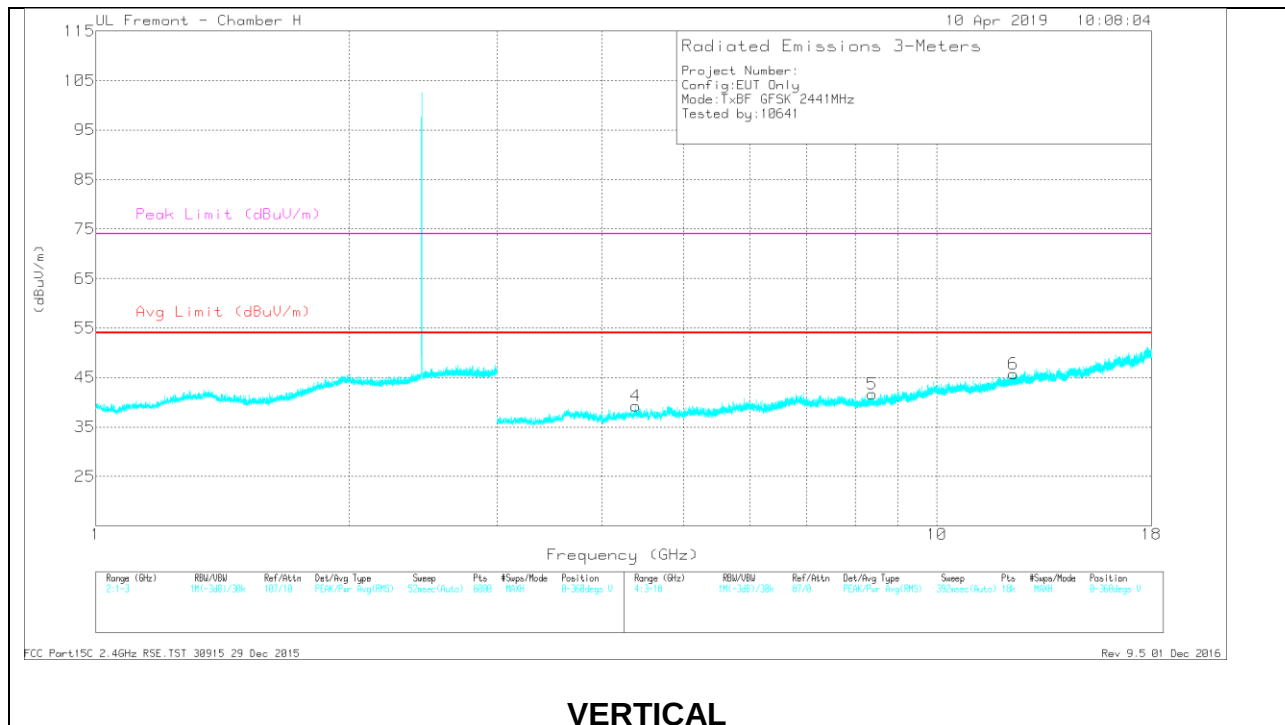
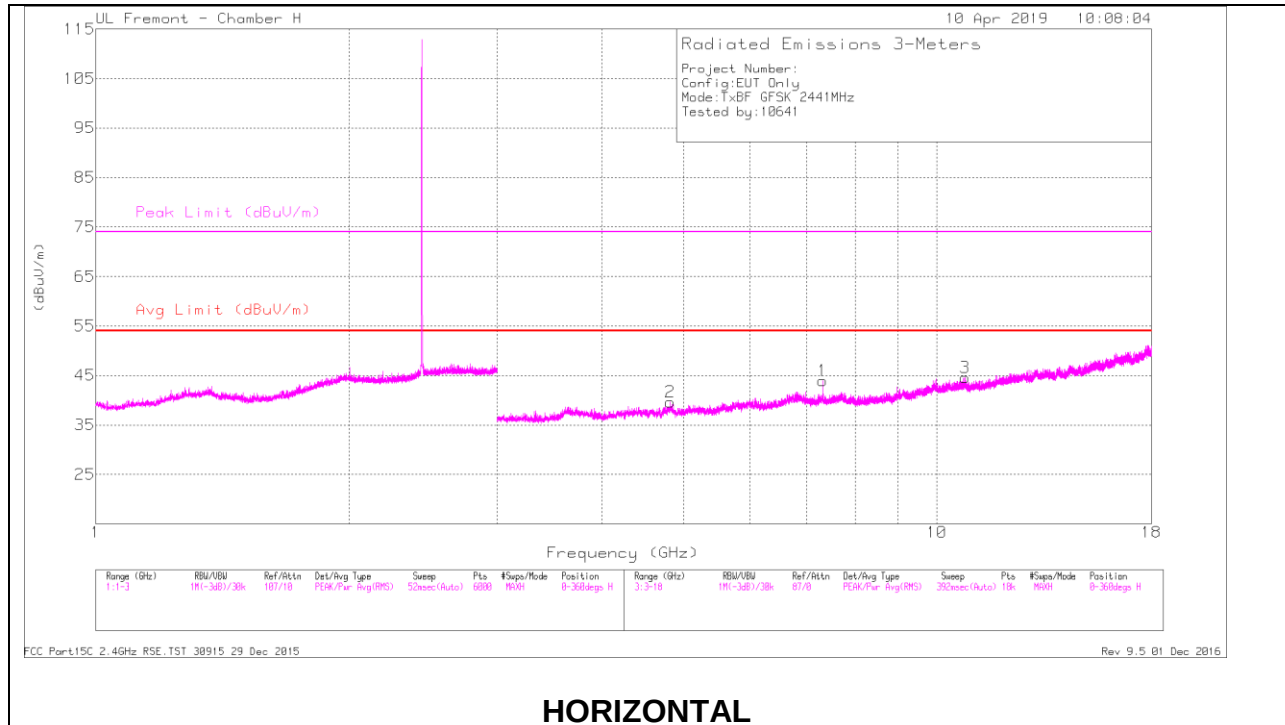
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.169	40.9	PKFH	33.2	-30.7	43.4	-	-	74	-30.6	310	142	H
	* 4.17	29.24	VA1T	33.2	-30.7	31.74	54	-22.26	-	-	310	142	H
2	* 4.332	40.29	PKFH	33.8	-29.9	44.19	-	-	74	-29.81	170	136	H
	* 4.332	28.25	VA1T	33.8	-29.9	32.15	54	-21.85	-	-	170	136	H
3	* 5.365	38.74	PKFH	34.6	-29	44.34	-	-	74	-29.66	214	120	H
	* 5.366	27.08	VA1T	34.6	-28.9	32.78	54	-21.22	-	-	214	120	H
4	* 5.03	40.58	PKFH	34.2	-29.6	45.18	-	-	74	-28.82	259	162	V
	* 5.028	27.99	VA1T	34.2	-29.5	32.69	54	-21.31	-	-	259	162	V
5	* 12.197	36.31	PKFH	39.1	-23.1	52.31	-	-	74	-21.69	213	218	V
	* 12.197	23.06	VA1T	39.1	-23.1	39.06	54	-14.94	-	-	213	218	V
6	* 9.143	35.76	PKFH	36.2	-23.8	48.16	-	-	74	-25.84	287	205	V
	* 9.144	23.63	VA1T	36.2	-23.8	36.03	54	-17.97	-	-	287	205	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

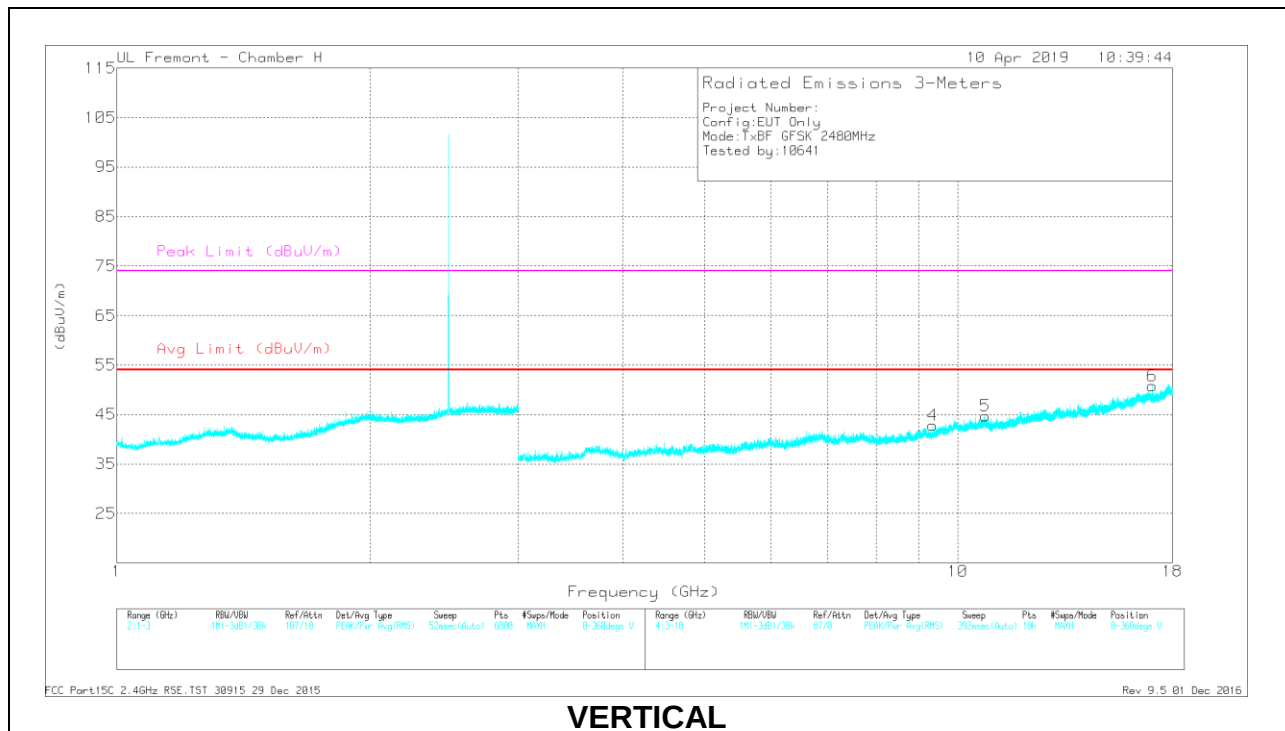
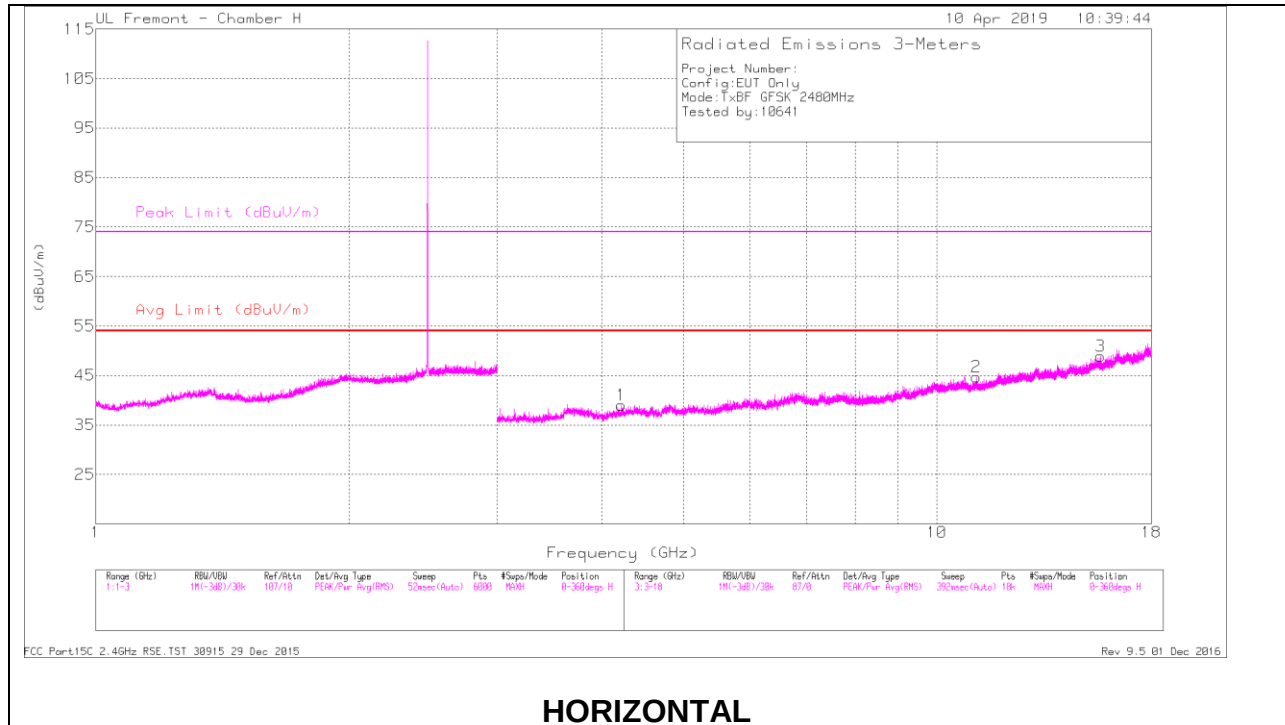
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 7.323	40.46	PKFH	36.4	-26.6	50.26	-	-	74	-23.74	184	361	H
	* 7.323	31.3	VA1T	36.4	-26.6	41.1	54	-12.9	-	-	184	361	H
2	* 4.826	42.33	PKFH	34.1	-30.3	46.13	-	-	74	-27.87	229	291	H
	* 4.825	29.05	VA1T	34.1	-30.3	32.85	54	-21.15	-	-	229	291	H
3	* 10.799	34.09	PKFH	37.8	-22.4	49.49	-	-	74	-24.51	270	118	H
	* 10.801	22.63	VA1T	37.8	-22.5	37.93	54	-16.07	-	-	270	118	H
4	* 4.388	40.3	PKFH	33.8	-29.9	44.2	-	-	74	-29.8	229	131	V
	* 4.389	28.18	VA1T	33.8	-29.9	32.08	54	-21.92	-	-	229	131	V
5	* 8.38	36.38	PKFH	35.9	-25.9	46.38	-	-	74	-27.62	267	114	V
	* 8.38	24.91	VA1T	35.9	-25.9	34.91	54	-19.09	-	-	267	114	V
6	* 12.343	35.43	PKFH	39.1	-23.2	51.33	-	-	74	-22.67	332	140	V
	* 12.344	23.26	VA1T	39.1	-23.2	39.16	54	-14.84	-	-	332	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

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (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
1	* 4.222	41.04	PKFH	33.5	-30.3	44.24	-	-	74	-29.76	271	118	H
	* 4.221	28.48	VA1T	33.5	-30.3	31.68	54	-22.32	-	-	271	118	H
2	* 11.155	34.05	PKFH	37.9	-22.8	49.15	-	-	74	-24.85	209	132	H
	* 11.155	22.77	VA1T	37.9	-22.8	37.87	54	-16.13	-	-	209	132	H
3	* 15.657	34.78	PKFH	40.7	-22.5	52.98	-	-	74	-21.02	171	165	H
	* 15.655	23.44	VA1T	40.7	-22.6	41.54	54	-12.46	-	-	171	165	H
4	* 9.346	36.58	PKFH	36.5	-25.1	47.98	-	-	74	-26.02	209	123	V
	* 9.344	24.33	VA1T	36.5	-25.1	35.73	54	-18.27	-	-	209	123	V
5	* 10.793	34.55	PKFH	37.8	-22.2	50.15	-	-	74	-23.85	276	151	V
	* 10.794	22.59	VA1T	37.8	-22.2	38.19	54	-15.81	-	-	276	151	V
6	17.031	34.85	PKFH	41.4	-20.5	55.75	-	-	74	-18.25	333	192	V

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

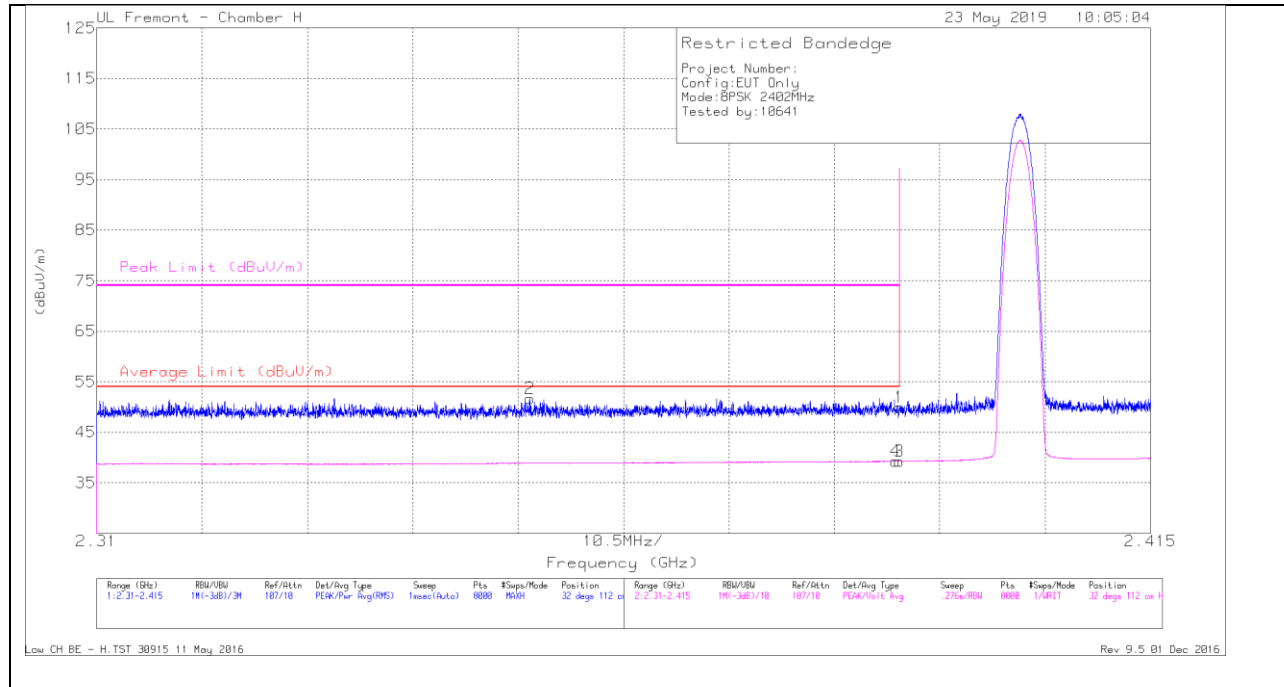
PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

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

9.1.10. Beamforming HIGH POWER BASIC DATA RATE 8PSK MODULATION

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



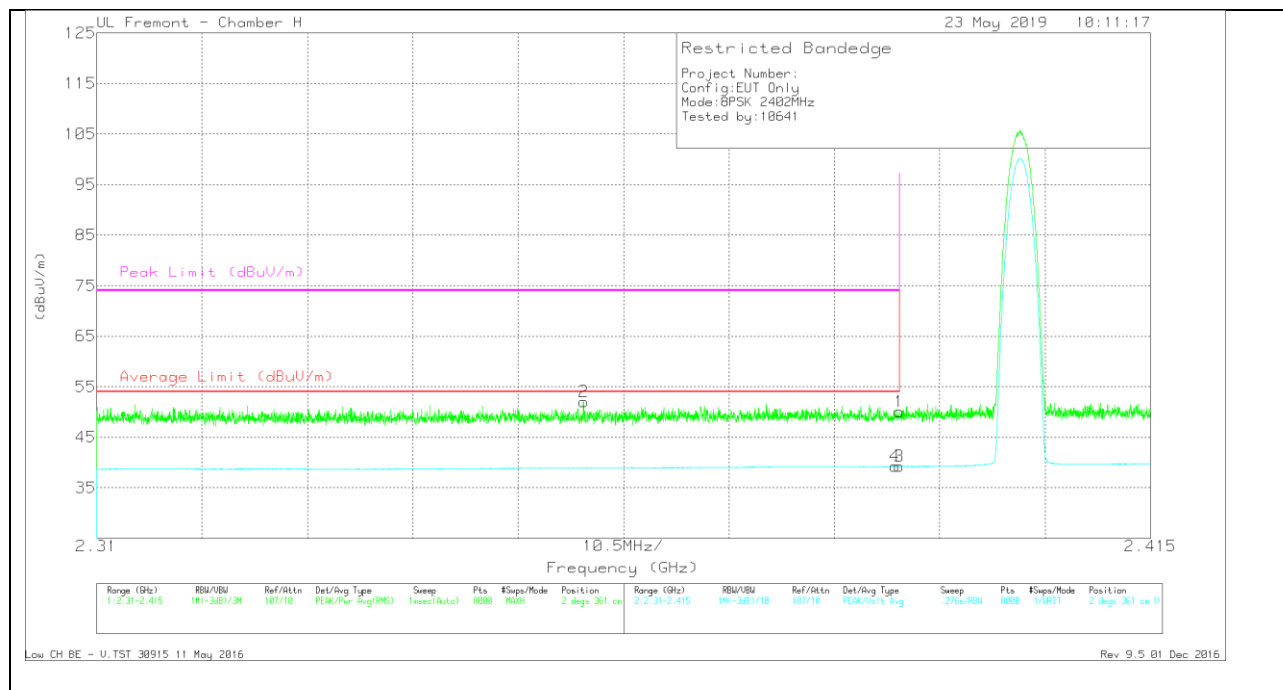
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	41.86	Pk	31.6	-23.5	49.96	-	-	74	-24.04	32	112	H
2	* 2.353	43.88	Pk	31.4	-23.6	51.68	-	-	74	-22.32	32	112	H
3	* 2.39	31.1	VA1T	31.6	-23.5	39.2	54	-14.8	-	-	32	112	H
4	* 2.39	31.19	VA1T	31.6	-23.5	39.29	54	-14.71	-	-	32	112	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

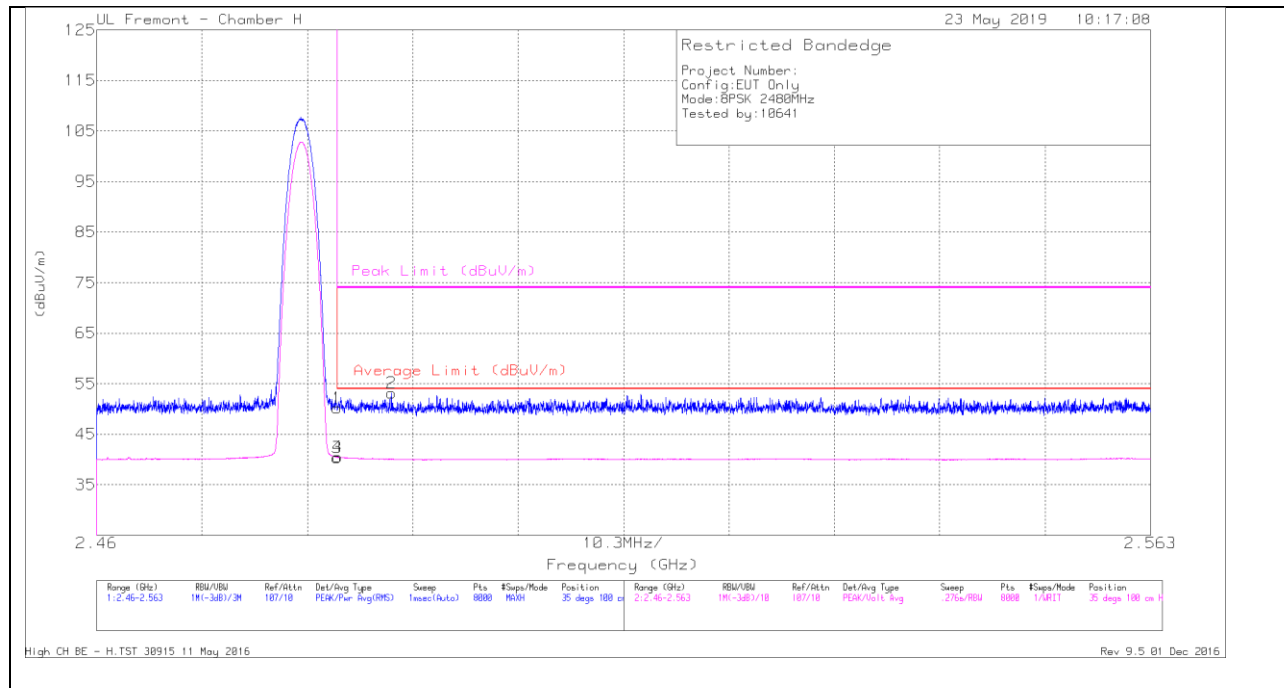


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	41.92	Pk	31.6	-23.5	50.02	-	-	74	-23.98	2	361	V
2	* 2.359	44.18	Pk	31.4	-23.6	51.98	-	-	74	-22.02	2	361	V
3	* 2.39	31.1	VA1T	31.6	-23.5	39.2	54	-14.8	-	-	2	361	V
4	* 2.39	31.12	VA1T	31.6	-23.5	39.22	54	-14.78	-	-	2	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

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

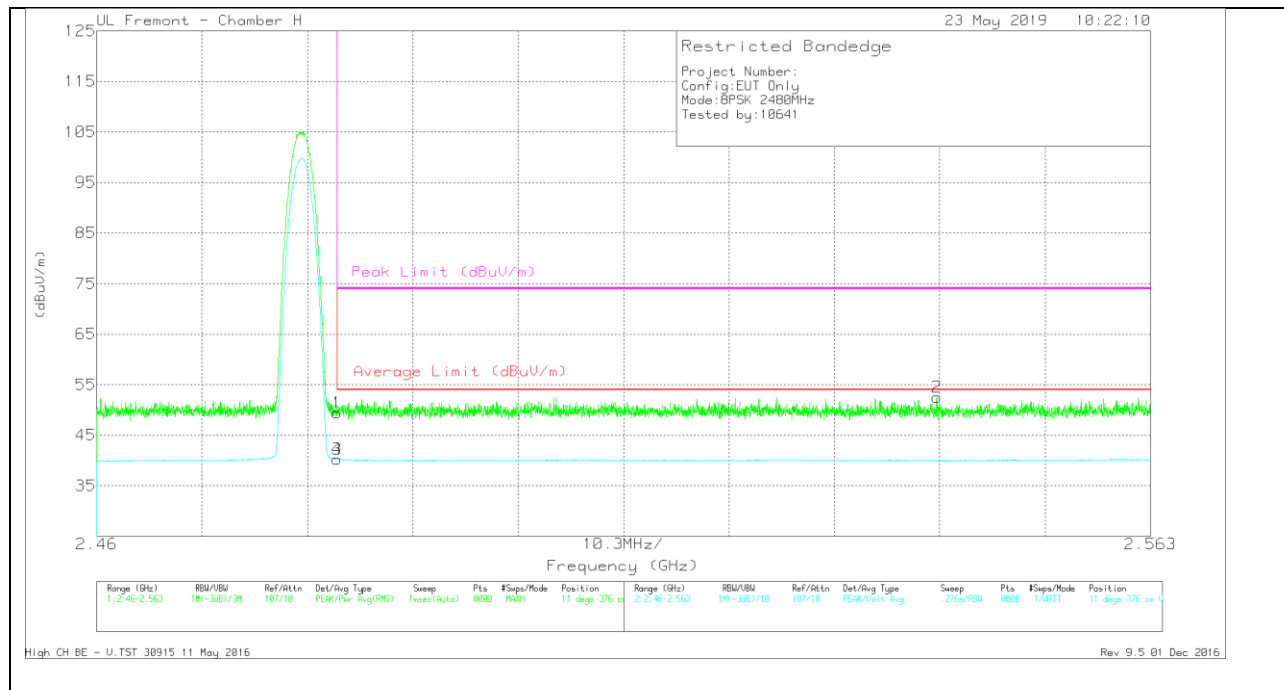
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	41.14	Pk	32.3	-23.3	50.14	-	-	74	-23.86	35	100	H
2	* 2.489	44.14	Pk	32.3	-23.3	53.14	-	-	74	-20.86	35	100	H
3	* 2.484	31.41	VA1T	32.3	-23.3	40.41	54	-13.59	-	-	35	100	H
4	* 2.484	31.44	VA1T	32.3	-23.3	40.44	54	-13.56	-	-	35	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

VERTICAL RESULT

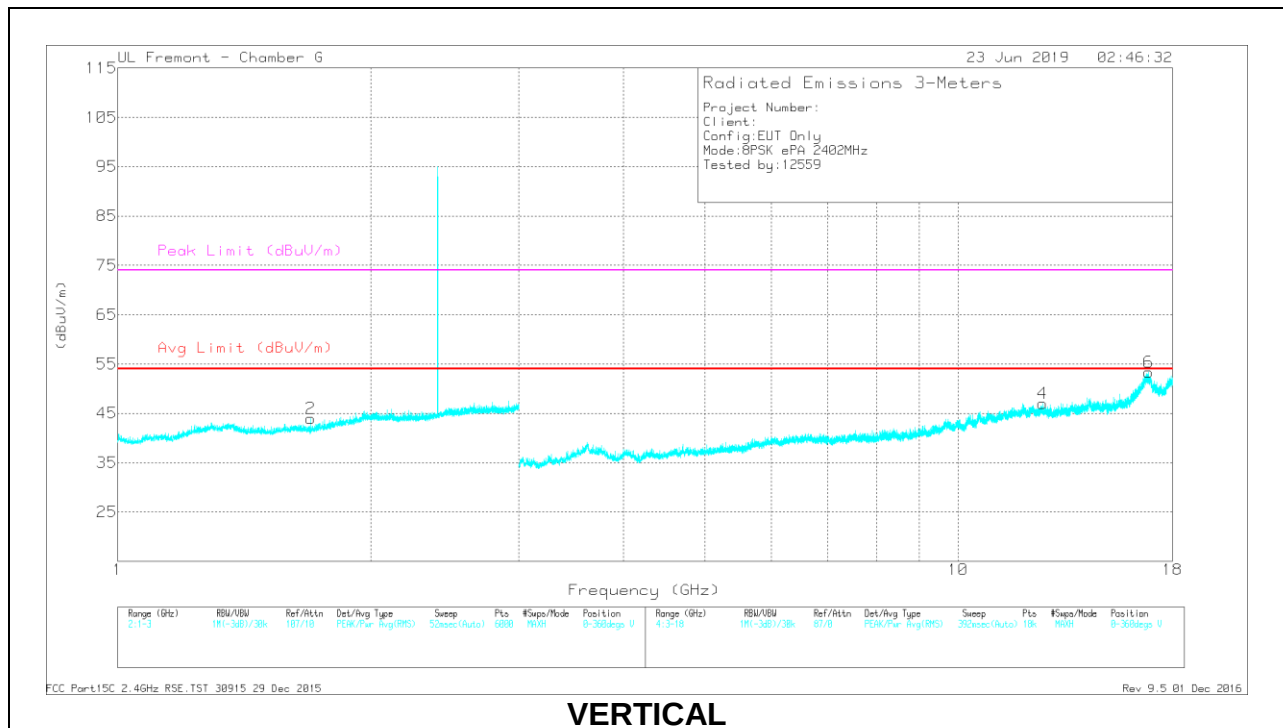
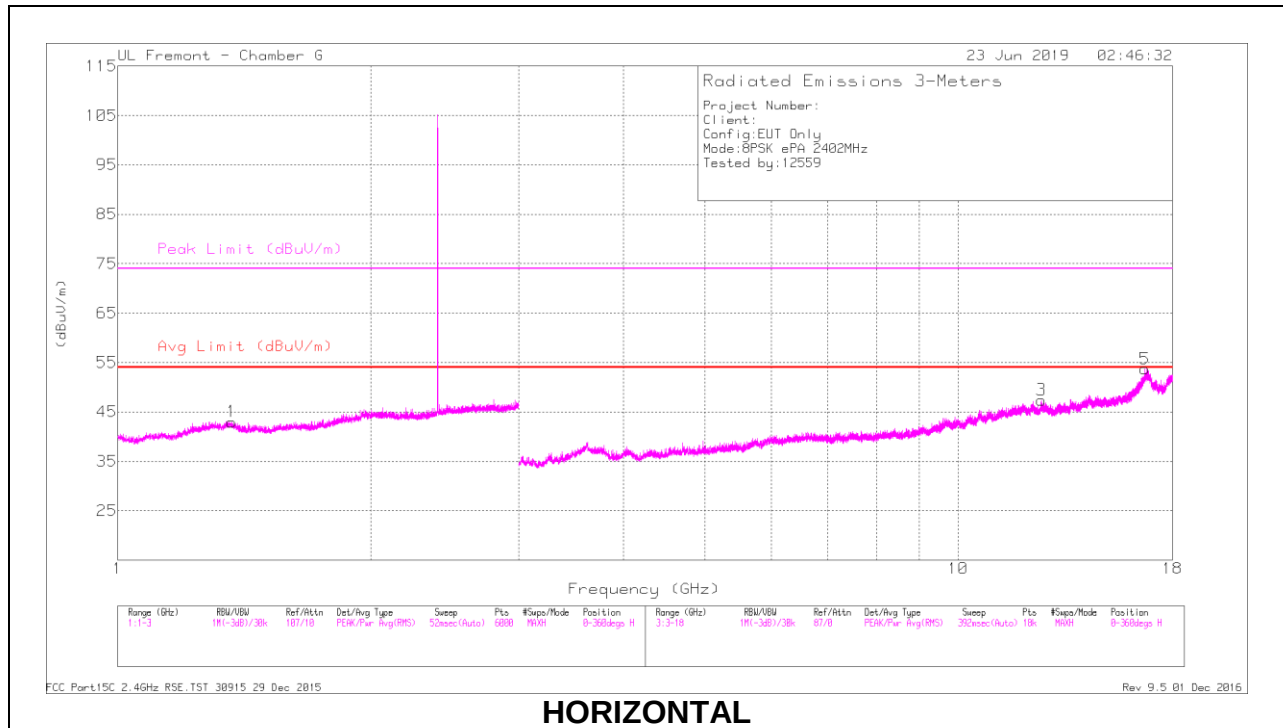


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dBm)	Amp/Cbl/Filt/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.46	Pk	32.3	-23.3	49.46	-	-	74	-24.54	11	376	V
3	* 2.484	31.26	VA1T	32.3	-23.3	40.26	54	-13.74	-	-	11	376	V
4	* 2.484	31.26	VA1T	32.3	-23.3	40.26	54	-13.74	-	-	11	376	V
2	2.542	43.48	Pk	32.3	-23.2	52.58	-	-	74	-21.42	11	376	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 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	* 1.368	42.46	PKFH	30	-23.2	49.26	-	-	74	-24.74	0	101	H
	* 1.366	30.28	VA1T	30	-23.2	37.08	54	-16.92	-	-	0	101	H
2	* 1.698	42.14	PKFH	28.4	-21.8	48.74	-	-	74	-25.26	0	101	V
	* 1.695	30.07	VA1T	28.3	-21.8	36.57	54	-17.43	-	-	0	101	V
3	* 12.56	34.99	PKFH	39.7	-22.6	52.09	-	-	74	-21.91	0	101	H
	* 12.562	23.28	VA1T	39.7	-22.6	40.38	54	-13.62	-	-	0	101	H
4	* 12.609	34.92	PKFH	39.7	-22.9	51.72	-	-	74	-22.28	0	101	V
	* 12.609	23.38	VA1T	39.7	-22.8	40.28	54	-13.72	-	-	0	101	V
5	16.68	34.51	PKFH	41.9	-18.7	57.71	-	-	-	-	0	101	H
6	16.854	34.56	PKFH	41.7	-17.7	58.56	-	-	-	-	0	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

MID CHANNEL RESULTS

