

### RADIATED EMISSIONS

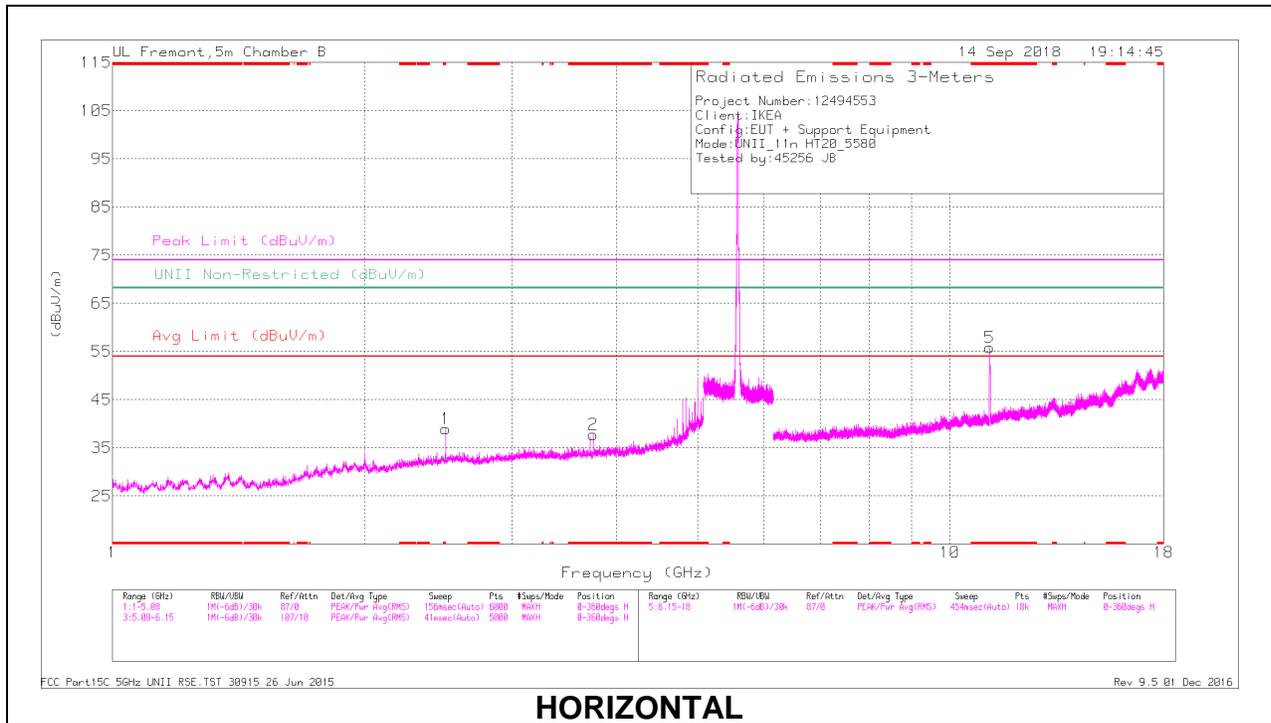
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	* 2.49	39.65	PK-U	32.7	-32.4	0	39.95	-	-	74	-34.05	-	-	49	203	H
	* 2.499	27.35	ADR	32.7	-32.1	.1	28.05	54	-25.95	-	-	-	-	49	203	H
5	* 11.003	47.15	PK-U	37.9	-22	0	63.05	-	-	74	-10.95	-	-	103	104	H
	* 11.002	34.35	ADR	37.9	-22	.1	50.35	54	-3.65	-	-	-	-	103	104	H
6	* 11.003	47.79	PK-U	37.9	-22	0	63.69	-	-	74	-10.31	-	-	170	188	V
	* 11.002	35.43	ADR	37.9	-22	.1	51.43	54	-2.57	-	-	-	-	170	188	V
1	* 2.5	44.45	PK-U	32.7	-32.1	0	45.05	-	-	74	-28.95	-	-	100	173	V
	* 2.5	39.83	ADR	32.7	-32.1	.1	40.53	54	-13.47	-	-	-	-	100	173	V
2	3.131	32.21	PK-U	33.2	-31.7	0	33.71	-	-	-	-	68.2	-34.49	112	185	H
4	3.178	32.18	PK-U	33.1	-31.1	0	34.18	-	-	-	-	68.2	-34.02	215	206	V

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

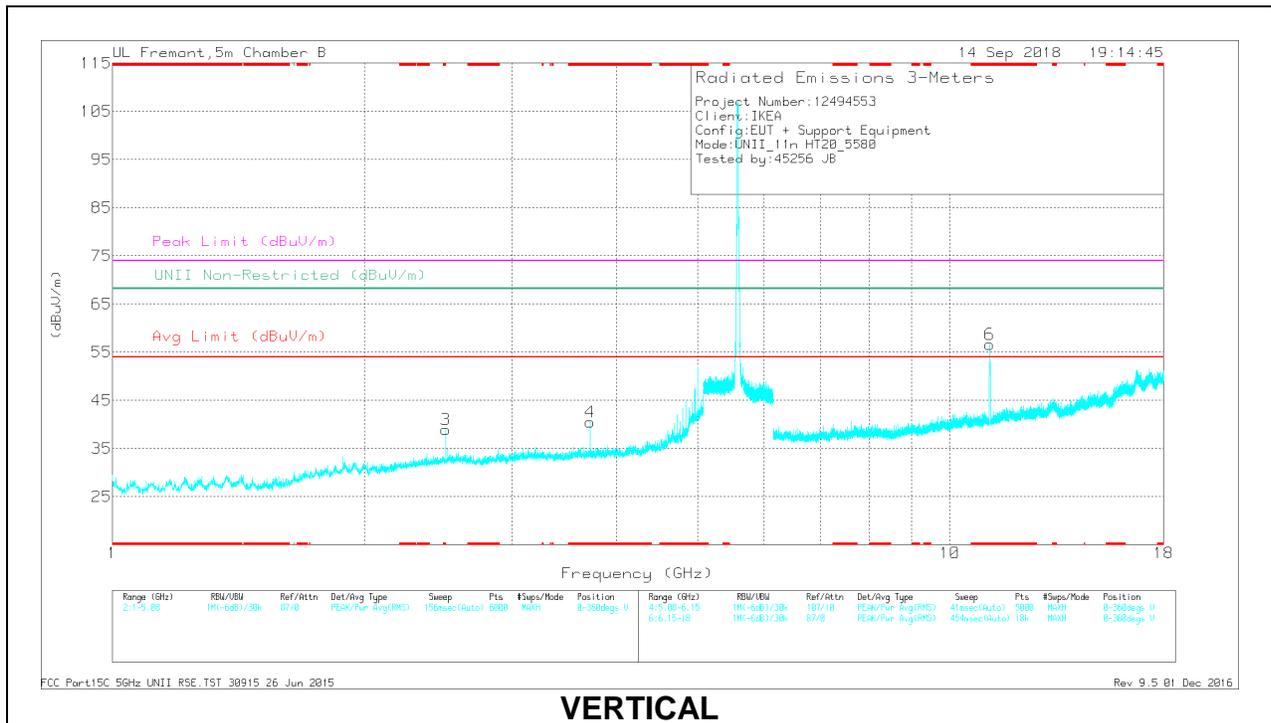
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

### MID CHANNEL RESULTS



### HORIZONTAL



### VERTICAL

**RADIATED EMISSIONS**

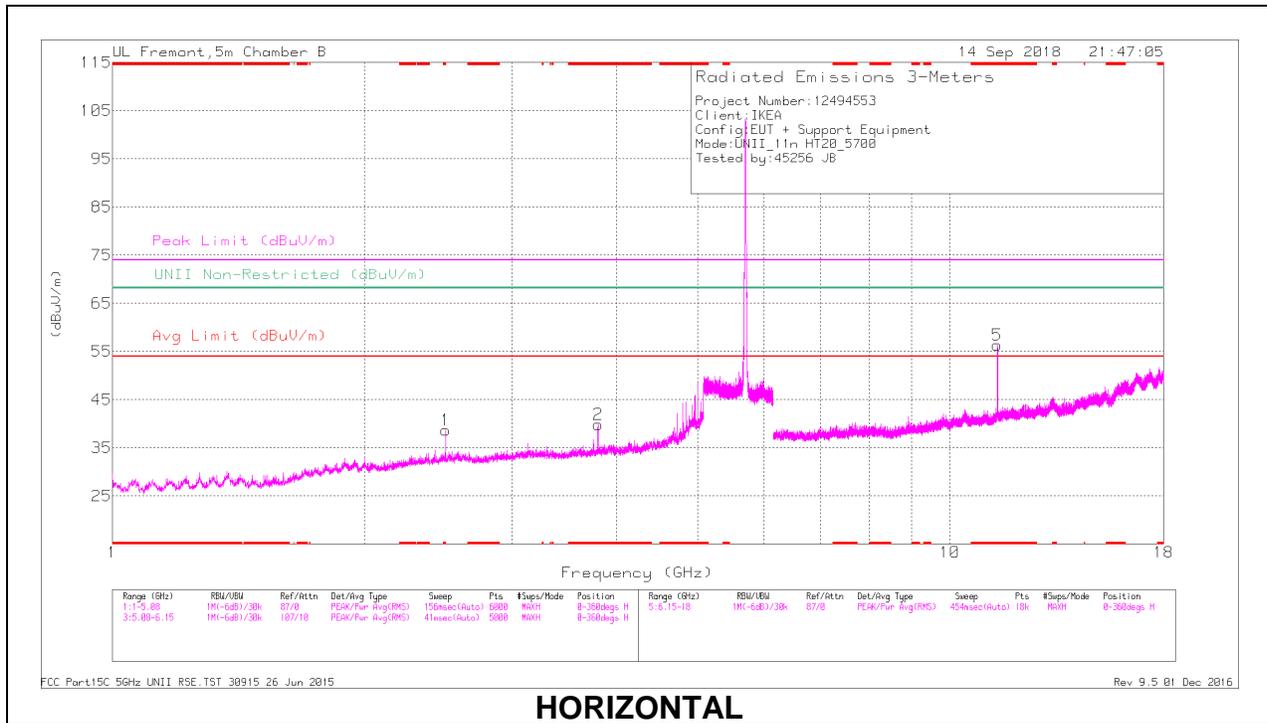
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.5	43.05	PK-U	32.7	-32.1	0	43.65	-	-	74	-30.35	-	-	52	203	H
	2.5	36.87	ADR	32.7	-32.1	.1	37.57	54	-16.43	-	-	-	-	52	203	H
2	* 3.75	41.44	PK-U	33.3	-30.9	0	43.84	-	-	74	-30.16	-	-	197	186	H
	3.75	33.07	ADR	33.3	-30.9	.1	35.57	54	-18.43	-	-	-	-	197	186	H
3	* 2.5	45.36	PK-U	32.7	-32.1	0	45.96	-	-	74	-28.04	-	-	103	173	V
	2.5	40.11	ADR	32.7	-32.1	.1	40.81	54	-13.19	-	-	-	-	103	173	V
4	* 3.72	44.46	PK-U	33.3	-31.1	0	46.66	-	-	74	-27.34	-	-	291	168	V
	3.72	38.68	ADR	33.3	-31.1	.1	40.98	54	-13.02	-	-	-	-	291	168	V
5	* 11.159	47.43	PK-U	37.9	-23.1	0	62.23	-	-	74	-11.77	-	-	185	293	H
	11.159	34.94	ADR	37.9	-23.1	.1	49.84	54	-4.16	-	-	-	-	185	293	H
6	* 11.158	50.82	PK-U	37.9	-23.1	0	65.62	-	-	74	-8.38	-	-	250	212	V
	11.157	38.21	ADR	37.9	-23.1	.1	53.11	54	-8.9	-	-	-	-	250	212	V

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

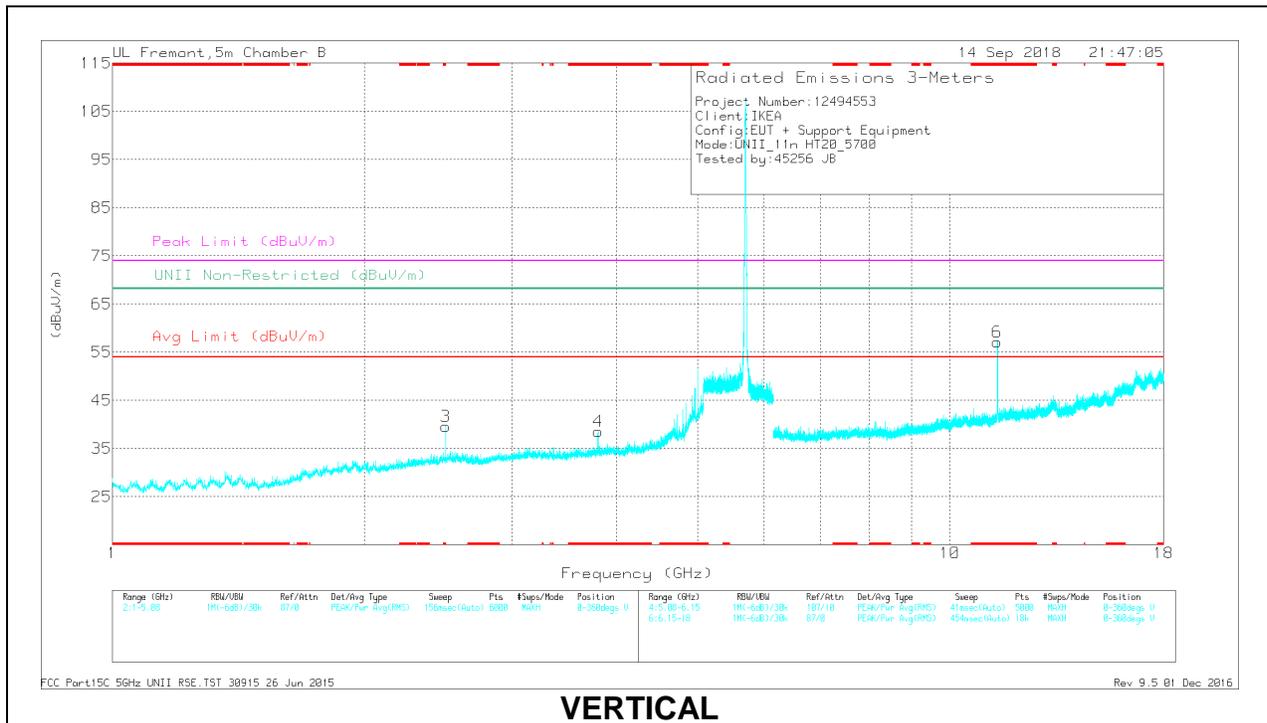
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

### HIGH CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.5	43.1	PK-U	32.7	-32.1	0	43.7	-	-	74	-30.3	-	-	51	203	H
	* 2.5	36.26	ADR	32.7	-32.1	.1	36.96	54	-17.04	-	-	-	-	51	203	H
2	* 3.8	43.12	PK-U	33.4	-30.8	0	45.72	-	-	74	-28.28	-	-	177	206	H
	* 3.8	36.93	ADR	33.4	-30.8	.1	39.63	54	-14.37	-	-	-	-	177	206	H
4	* 3.8	42.27	PK-U	33.4	-30.8	0	44.87	-	-	74	-29.13	-	-	267	232	V
	* 3.8	35	ADR	33.4	-30.8	.1	37.7	54	-16.3	-	-	-	-	267	232	V
5	* 11.393	50.53	PK-U	38.4	-22.9	0	66.03	-	-	74	-7.97	-	-	226	128	H
	* 11.394	37.45	ADR	38.4	-22.9	.1	53.05	54	-.95	-	-	-	-	226	128	H
6	* 11.395	51.82	PK-U	38.4	-22.9	0	67.32	-	-	74	-6.68	-	-	318	262	V
	* 11.396	38.18	ADR	38.4	-22.9	.1	53.78	54	-.22	-	-	-	-	318	262	V
3	* 2.5	45.18	PK-U	32.7	-32.1	0	45.78	-	-	74	-28.22	-	-	103	168	V
	* 2.5	40.39	ADR	32.7	-32.1	.1	41.09	54	-12.91	-	-	-	-	103	168	V

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

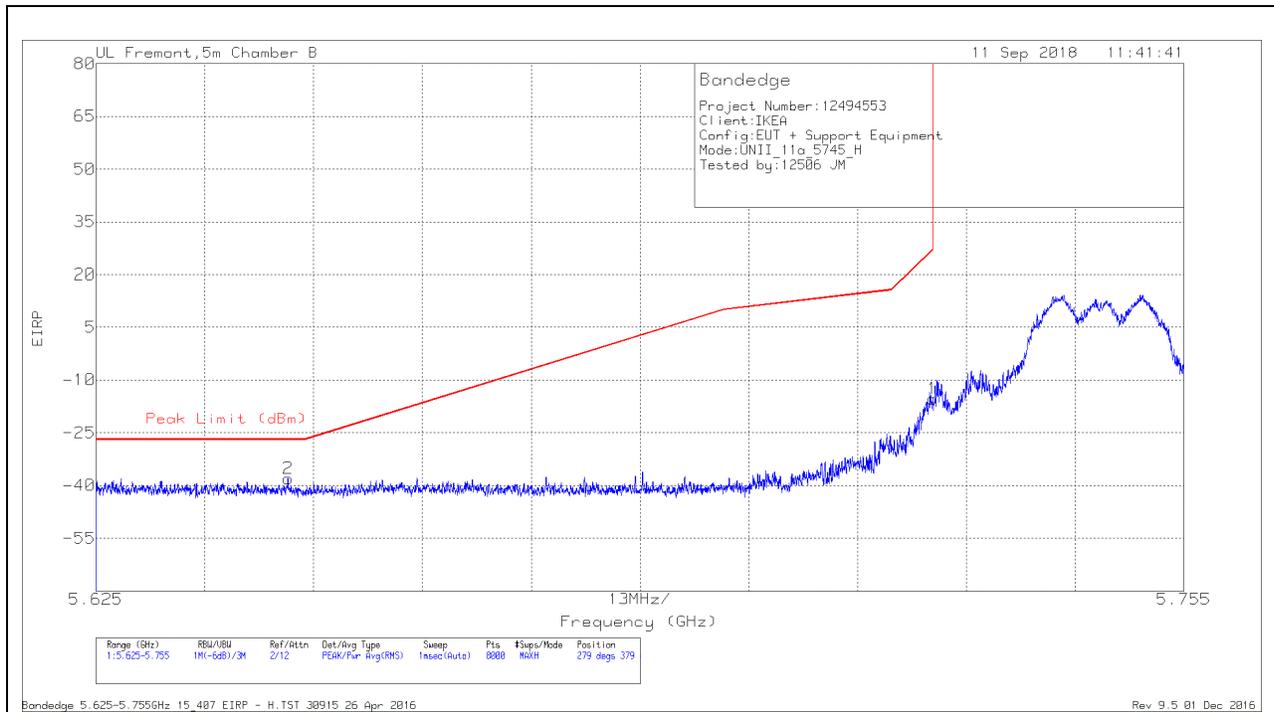
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

**9.1.7. TX ABOVE 1 GHz 802.11a MODE IN THE 5.8 GHz BAND**

**BANDEDGE (LOW CHANNEL)**

**HORIZONTAL RESULT**

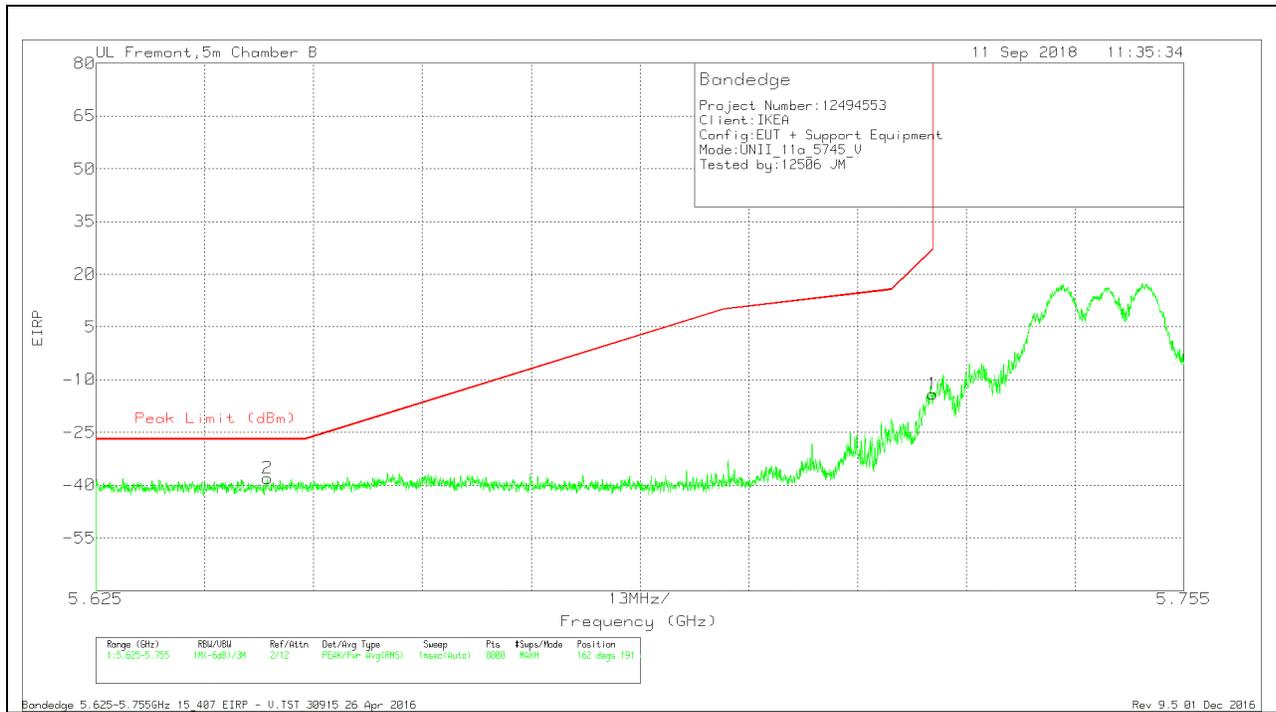


**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.648	-66.25	Pk	35.5	-19	11.8	-37.95	-27	-10.95	279	379	H
1	5.725	-43.22	Pk	35.5	-19.4	11.8	-15.32	27	-42.32	279	379	H

Pk - Peak detector

### VERTICAL RESULT



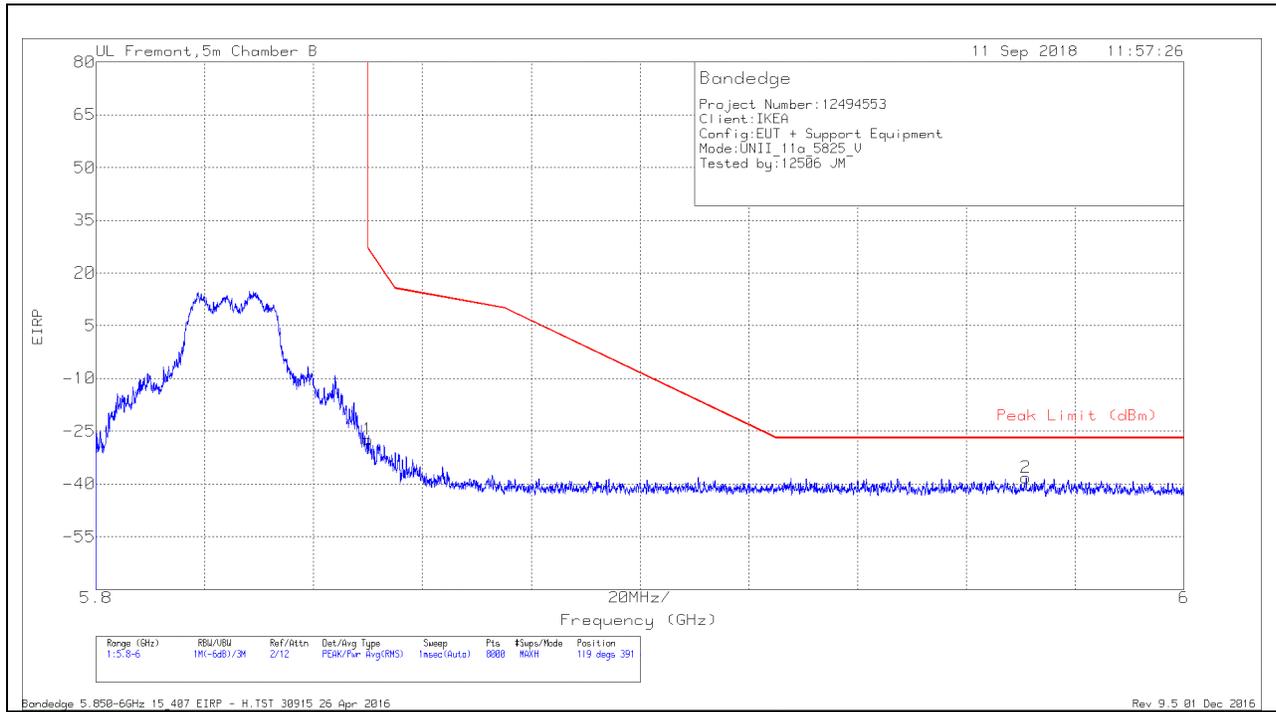
### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.645	-65.98	Pk	35.5	-19.3	11.8	-37.98	-27	-10.98	162	191	V
1	5.725	-42.07	Pk	35.5	-19.4	11.8	-14.17	27	-41.17	162	191	V

Pk - Peak detector

**BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL RESULT**

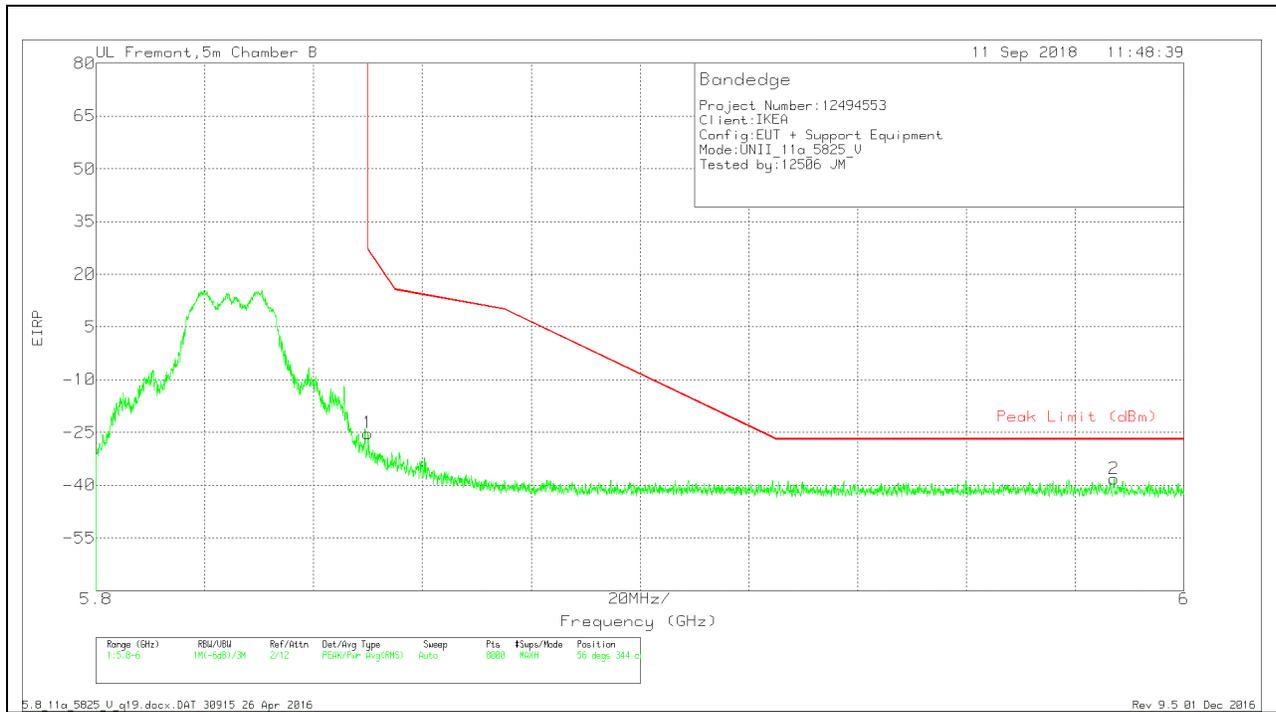


**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-55.49	Pk	35.4	-19.1	11.8	-27.39	26.99	-54.38	119	391	H
2	5.971	-67.08	Pk	35.4	-18.4	11.8	-38.28	-27	-11.28	119	391	H

Pk - Peak detector

### VERTICAL RESULT



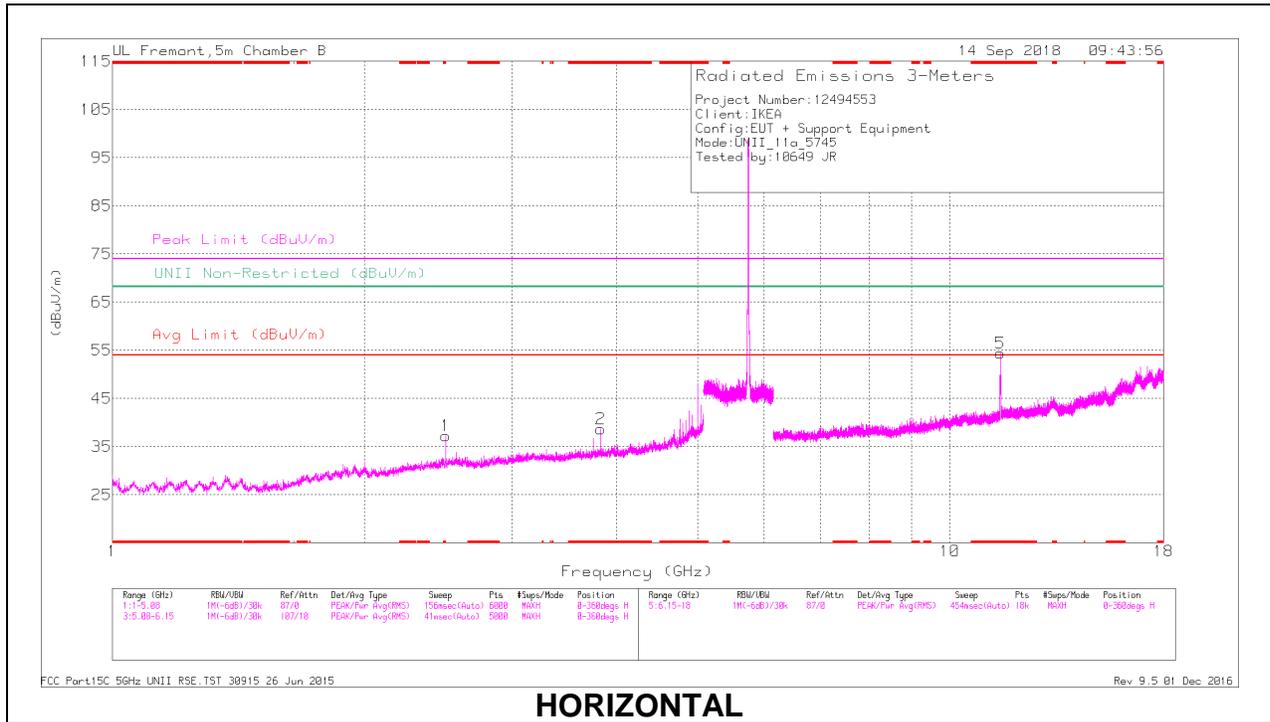
### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-53.33	Pk	35.4	-19.1	11.8	-25.23	26.99	-52.22	56	344	V
2	5.987	-66.9	Pk	35.4	-18.6	11.8	-38.3	-27	-11.3	56	344	V

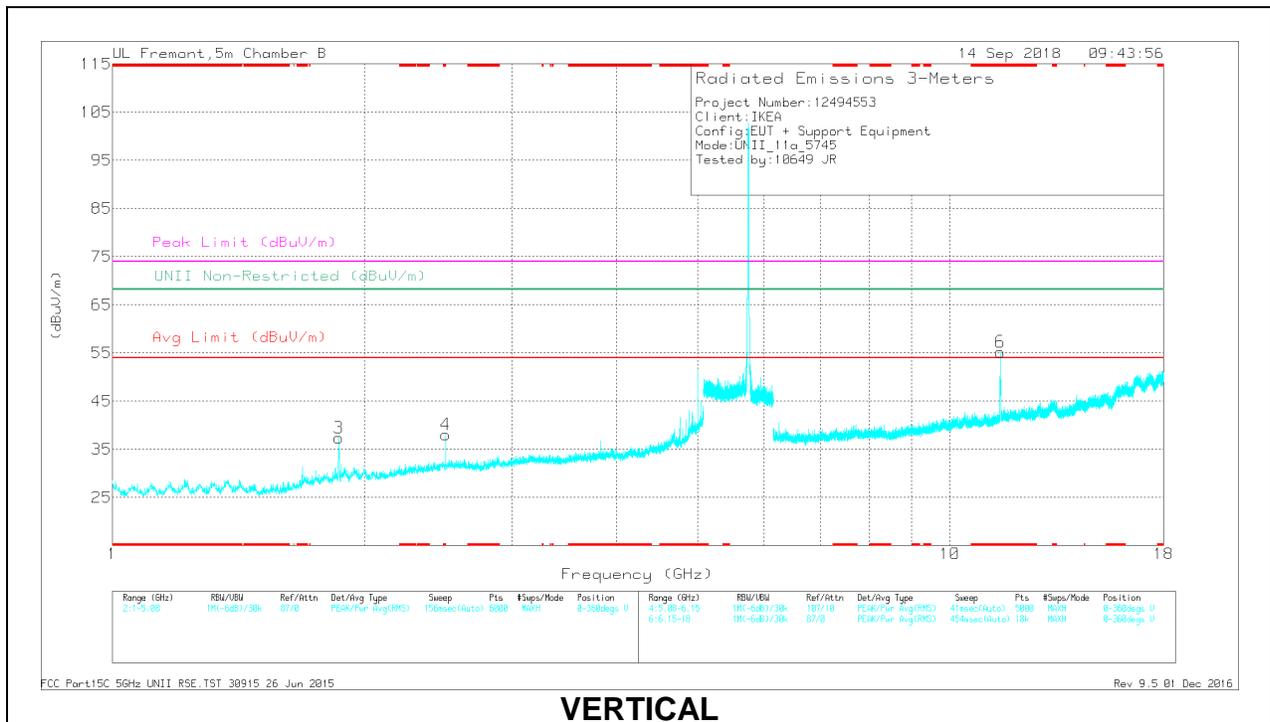
Pk - Peak detector

## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

### RADIATED EMISSIONS

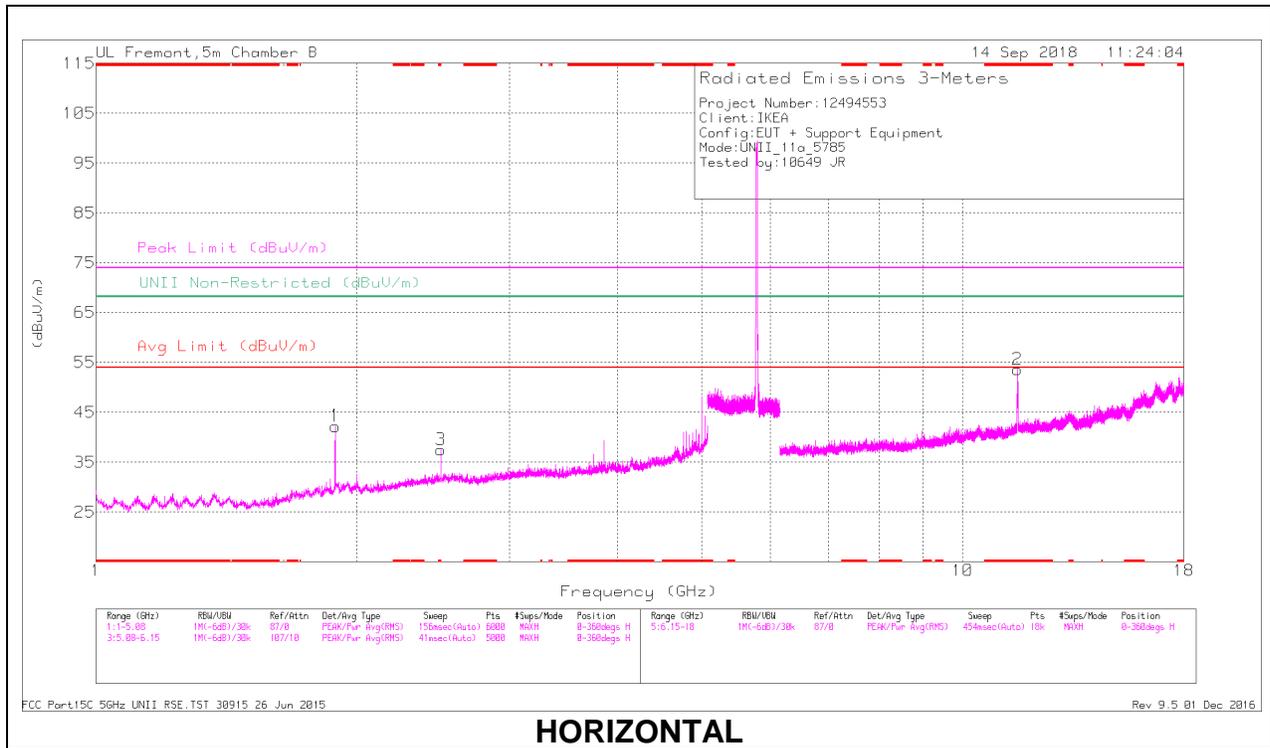
Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.5	43.39	PK-U	32.7	-32.1	0	43.99	-	-	74	-30.01	-	-	73	175	H
	* 2.5	37.63	ADR	32.7	-32.1	.1	38.33	54	-15.67	-	-	-	-	73	175	H
2	* 3.83	42.66	PK-U	33.4	-31.2	0	44.86	-	-	74	-29.14	-	-	184	220	H
	* 3.83	36.02	ADR	33.4	-31.2	.1	38.32	54	-15.68	-	-	-	-	184	220	H
5	* 11.487	46.38	PK-U	38.4	-22.7	0	62.08	-	-	74	-11.92	-	-	102	303	H
	* 11.487	34.5	ADR	38.4	-22.7	.1	50.3	54	-3.7	-	-	-	-	102	303	H
6	* 11.488	48.85	PK-U	38.4	-22.7	0	64.55	-	-	74	-9.45	-	-	322	263	V
	* 11.488	37.02	ADR	38.4	-22.7	.1	52.82	54	-1.18	-	-	-	-	322	263	V
3	1.863	39.71	PK-U	30.9	-33.5	0	37.11	-	-	-	-	68.2	-31.09	319	392	V
	2.5	44.54	PK-U	32.7	-32.1	0	45.14	-	-	-	-	68.2	-23.06	101	171	V

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

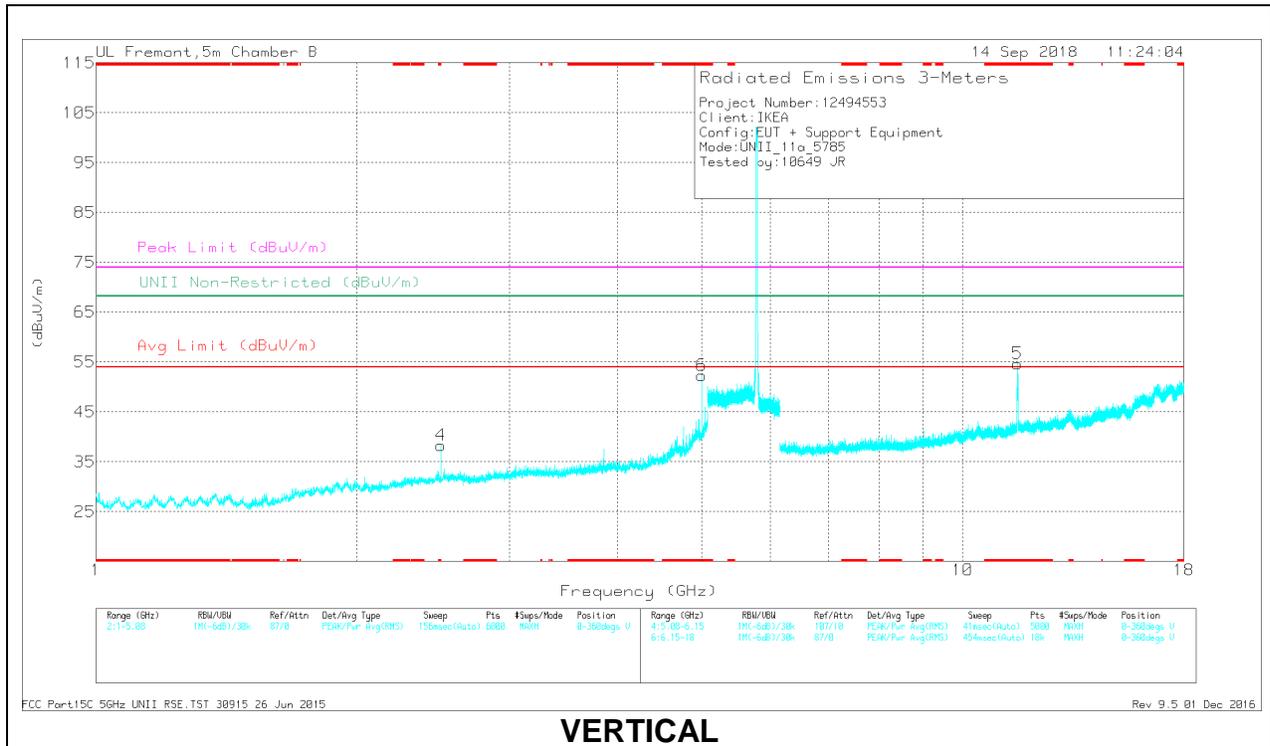
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

### MID CHANNEL RESULTS



### HORIZONTAL



### VERTICAL

**RADIATED EMISSIONS**

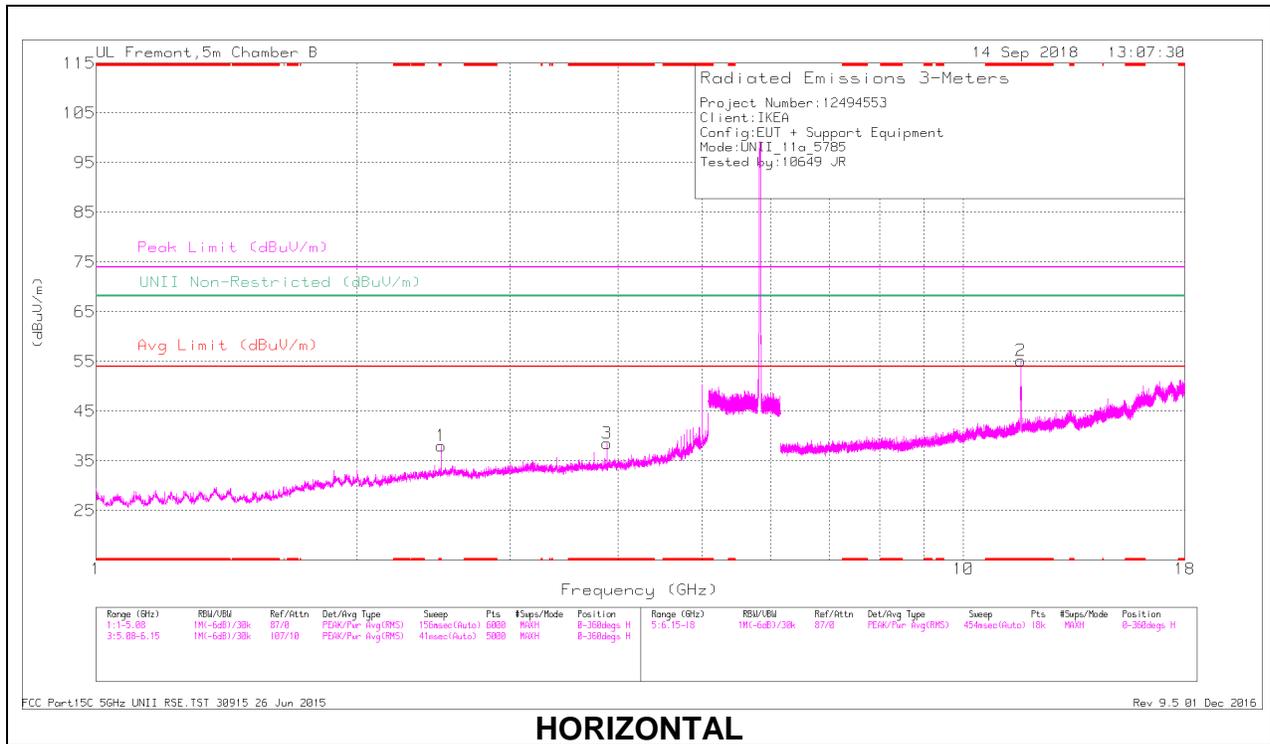
Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	* 2.5	41.82	PK-U	32.7	-32.1	0	42.42	-	-	74	-31.58	-	-	139	198	H
	* 2.5	35.06	ADR	32.7	-32.1	.1	35.76	54	-18.24	-	-	-	-	139	198	H
4	* 2.5	44.24	PK-U	32.7	-32.1	0	44.84	-	-	74	-29.16	-	-	103	173	V
	* 2.5	39.33	ADR	32.7	-32.1	.1	40.03	54	-13.97	-	-	-	-	103	173	V
6	* 5	50.12	PK-U	34.6	-27.8	0	56.92	-	-	74	-17.08	-	-	247	129	V
	* 5	45.25	ADR	34.6	-27.8	.1	52.15	54	-1.85	-	-	-	-	247	129	V
2	* 11.567	46.52	PK-U	38.6	-22.2	0	62.92	-	-	74	-11.08	-	-	105	308	H
	* 11.568	35.17	ADR	38.6	-22.2	.1	51.67	54	-2.33	-	-	-	-	105	308	H
5	* 11.567	46.23	PK-U	38.6	-22.2	0	62.63	-	-	74	-11.37	-	-	225	132	V
	* 11.568	34.36	ADR	38.6	-22.2	.1	50.86	54	-3.14	-	-	-	-	225	132	V
1	1.887	40.08	PK-U	31	-33	0	38.08	-	-	-	-	68.2	-30.12	297	115	H

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

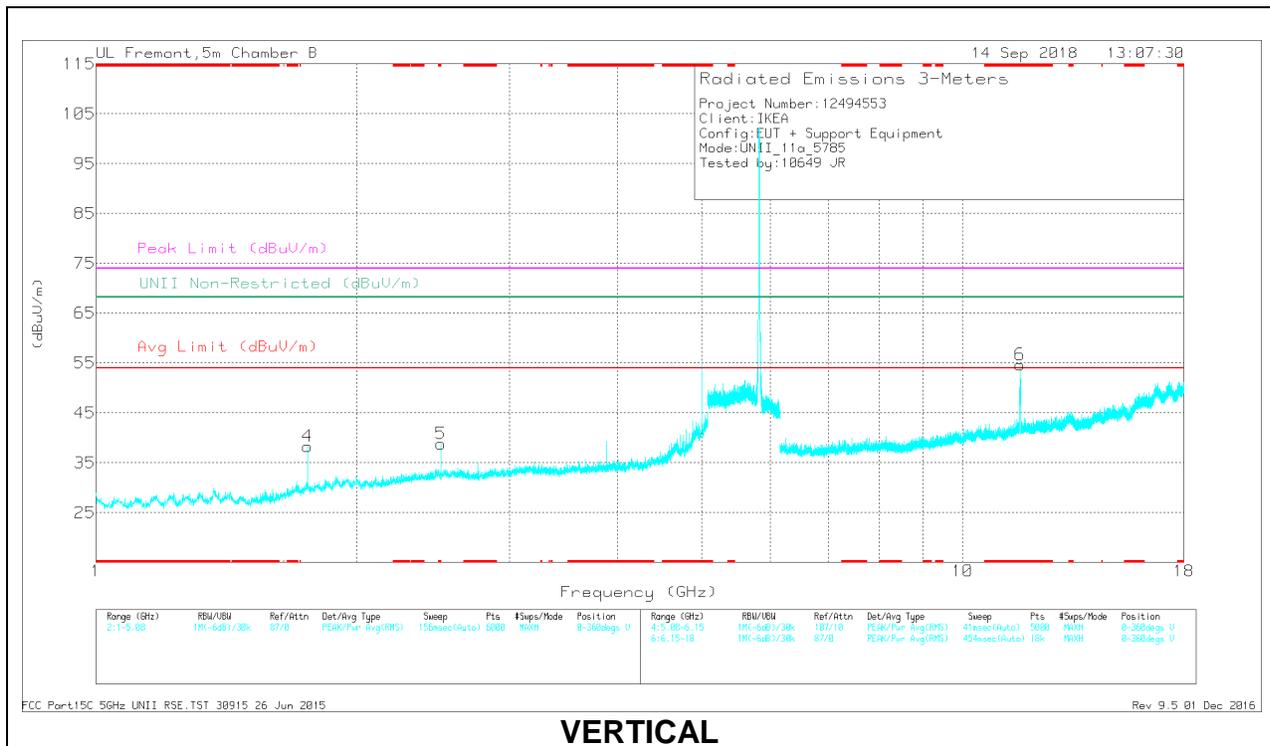
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

### HIGH CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

### RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.5	42.34	PK-U	32.7	-32.1	0	42.94	-	-	74	-31.06	-	-	50	174	H
	* 2.5	35.43	ADR	32.7	-32.1	.1	36.13	54	-17.87	-	-	-	-	50	174	H
3	* 3.883	42.15	PK-U	33.4	-30.8	0	44.75	-	-	74	-29.25	-	-	168	218	H
	* 3.883	35.56	ADR	33.4	-30.8	.1	38.26	54	-15.74	-	-	-	-	168	218	H
2	* 11.648	44.58	PK-U	38.8	-21.8	0	61.58	-	-	74	-12.42	-	-	152	240	H
	* 11.648	32.93	ADR	38.8	-21.8	.1	50.03	54	-3.97	-	-	-	-	152	240	H
6	* 11.653	48.46	PK-U	38.8	-22	0	65.26	-	-	74	-8.74	-	-	320	261	V
	* 11.648	36.83	ADR	38.8	-21.8	.1	53.93	54	-.07	-	-	-	-	320	261	V
4	1.753	40.38	PK-U	30.2	-33.5	0	37.08	-	-	-	-	68.2	-31.12	192	385	V
5	2.5	44.33	PK-U	32.7	-32.1	0	44.93	-	-	-	-	68.2	-23.27	100	171	V

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

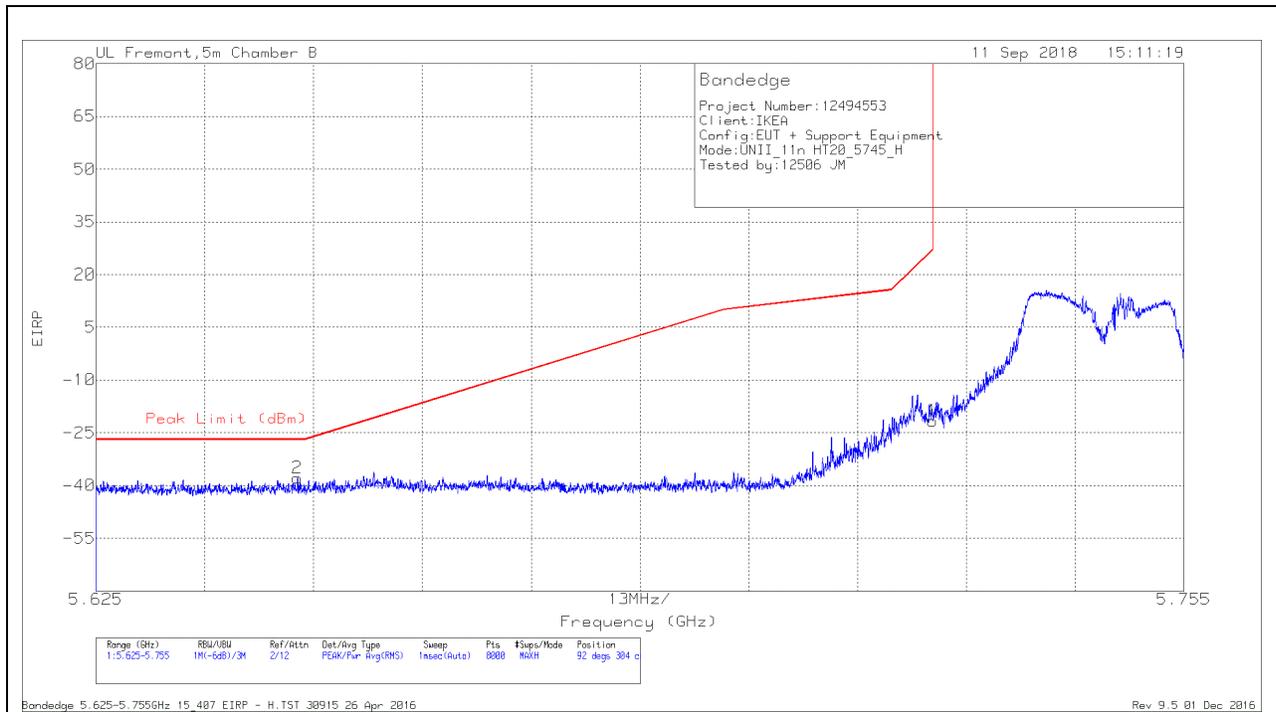
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

**9.1.8. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.8 GHz BAND**

**BANDEDGE (LOW CHANNEL)**

**HORIZONTAL RESULT**

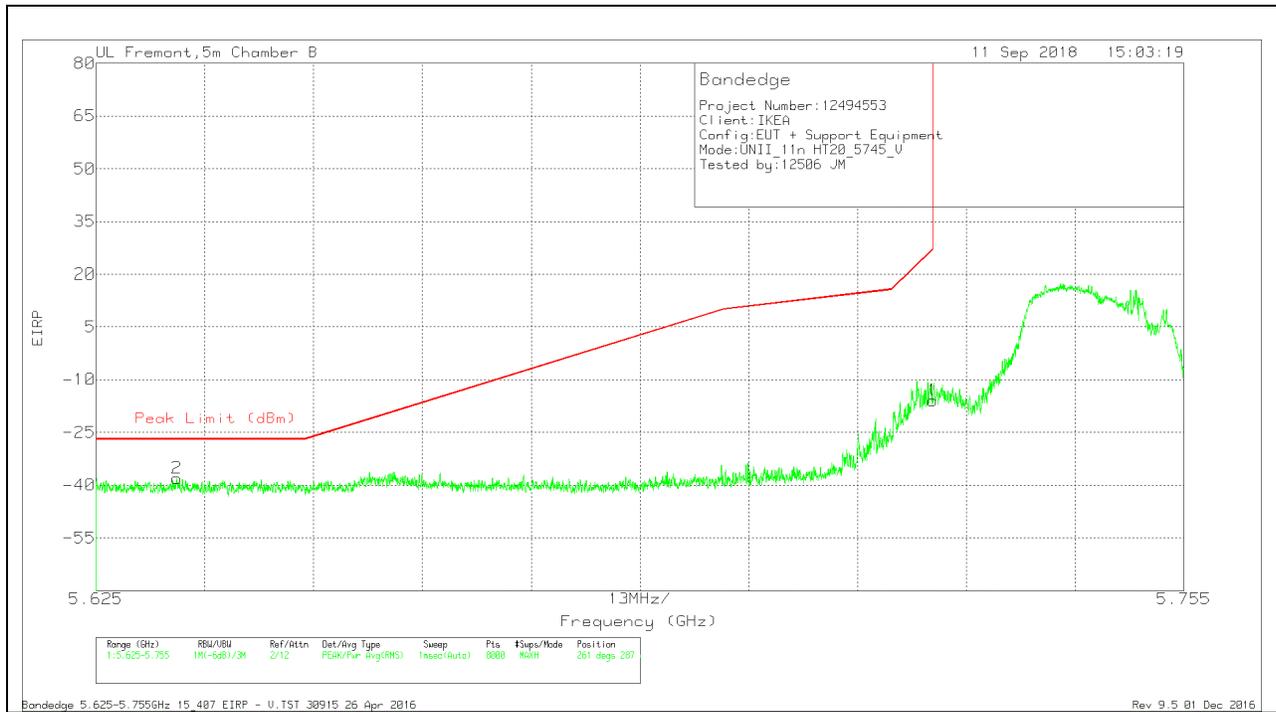


**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.649	-66.09	Pk	35.5	-19	11.8	-37.79	-27	-10.79	92	304	H
1	5.725	-49.57	Pk	35.5	-19.4	11.8	-21.67	27	-48.67	92	304	H

Pk - Peak detector

### VERTICAL RESULT



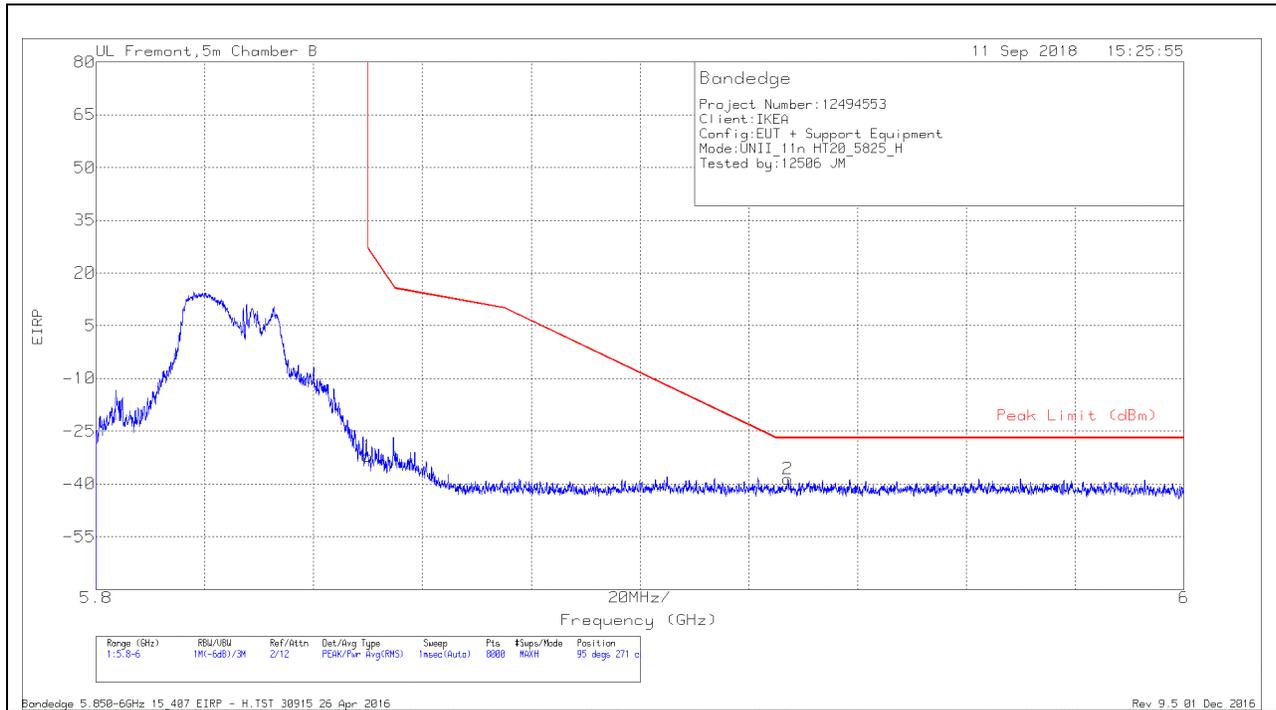
### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.635	-66.26	Pk	35.5	-19	11.8	-37.96	-27	-10.96	261	287	V
1	5.725	-43.89	Pk	35.5	-19.4	11.8	-15.99	27	-42.99	261	287	V

Pk - Peak detector

### BANDEDGE (HIGH CHANNEL)

### HORIZONTAL RESULT

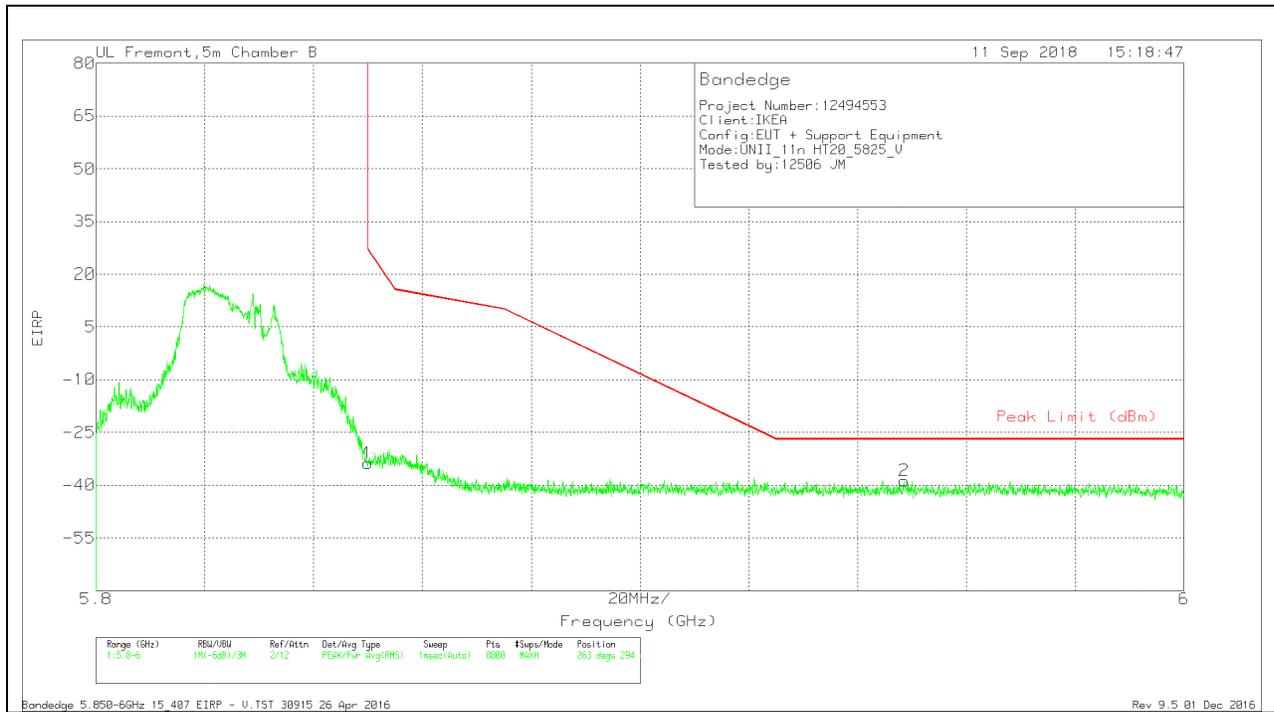


#### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-60.29	Pk	35.4	-19.1	11.8	-32.19	26.99	-59.18	95	271	H
2	5.927	-67.28	Pk	35.4	-18.5	11.8	-38.58	-27	-11.58	95	271	H

Pk - Peak detector

### VERTICAL RESULT



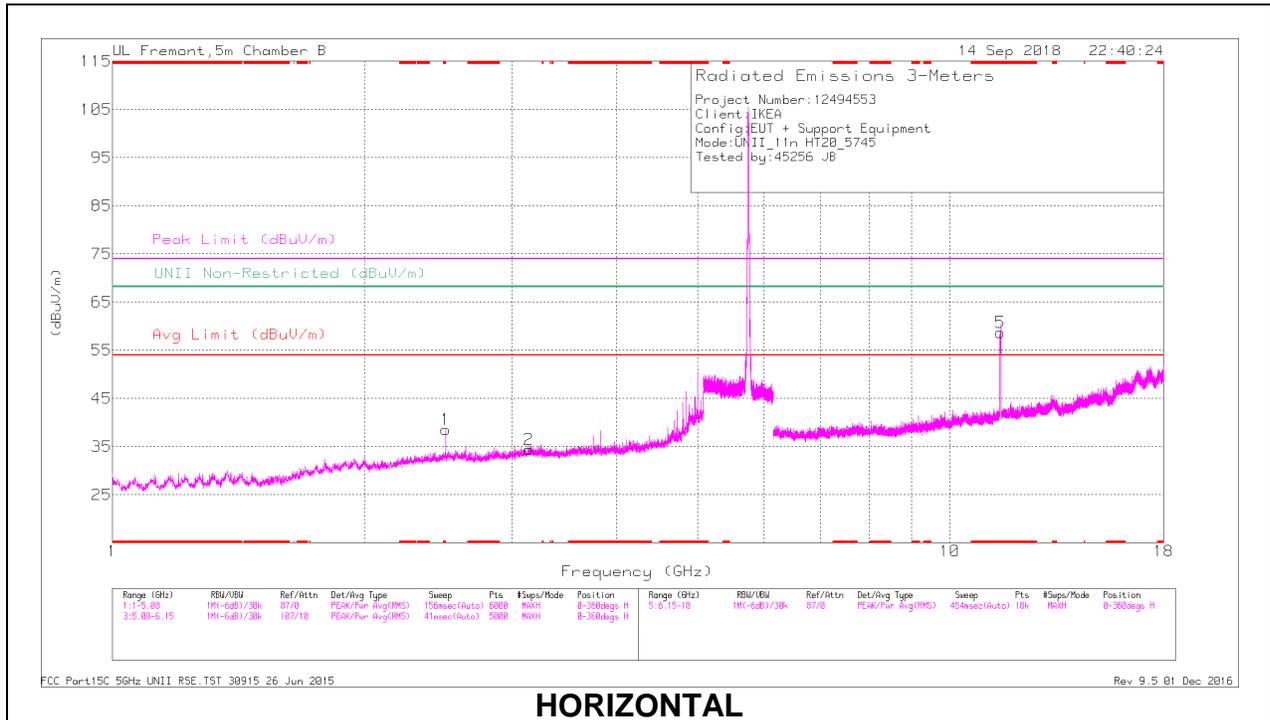
### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-61.87	Pk	35.4	-19.1	11.8	-33.77	26.99	-60.76	263	294	V
2	5.949	-67.24	Pk	35.4	-18.7	11.8	-38.74	-27	-11.74	263	294	V

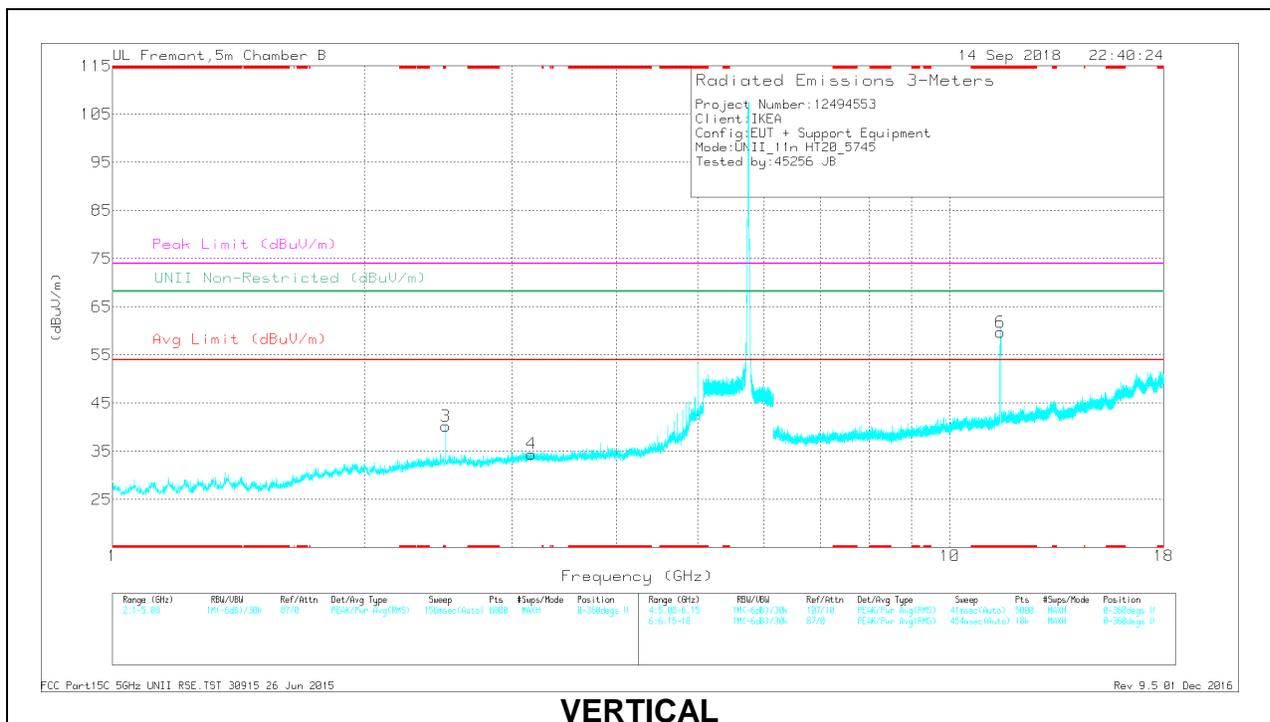
Pk - Peak detector

## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

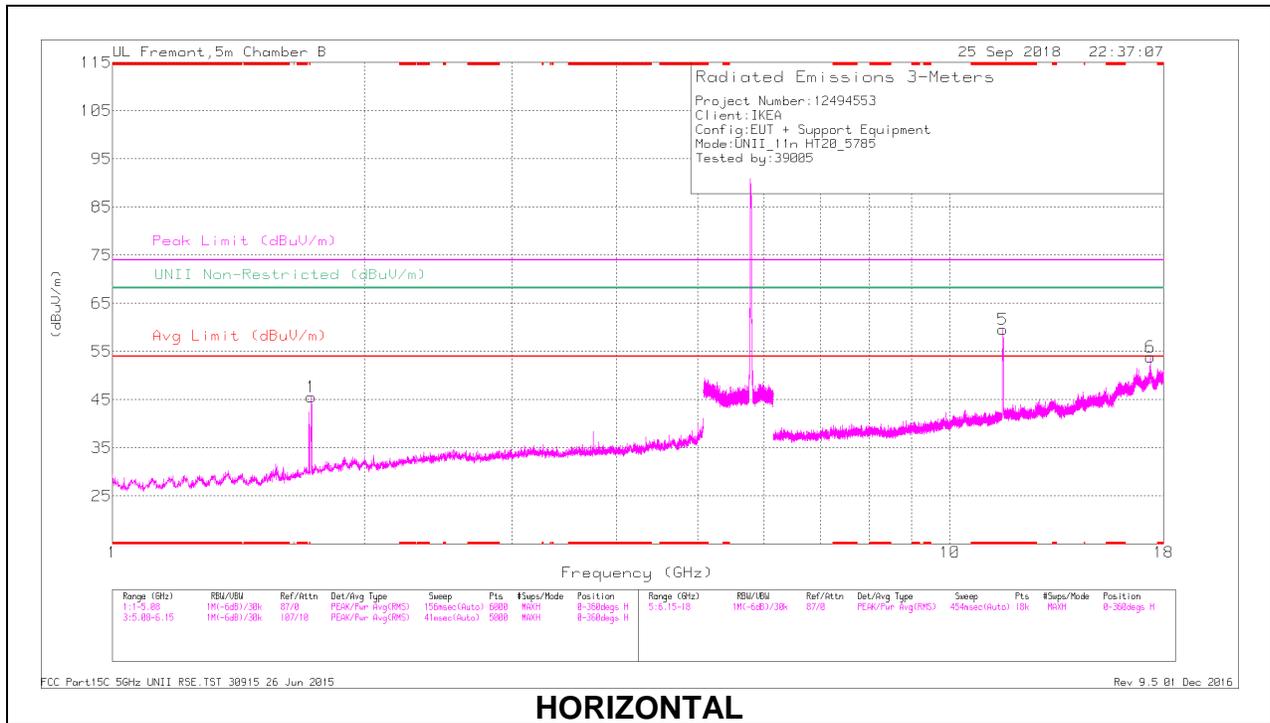
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.5	44.23	PK-U	32.7	-32.1	0	44.83	-	-	74	-29.17	-	-	71	176	H
	* 2.5	38.31	ADR	32.7	-32.1	.1	39.01	54	-14.99	-	-	-	-	71	176	H
5	* 11.484	51.29	PK-U	38.4	-22.7	0	66.99	-	-	74	-7.01	-	-	161	261	H
	* 11.484	38.06	ADR	38.4	-22.7	.1	53.86	54	-14	-	-	-	-	161	261	H
6	* 11.487	50.72	PK-U	38.4	-22.7	0	66.42	-	-	74	-7.58	-	-	318	243	V
	* 11.486	37.82	ADR	38.4	-22.7	.1	53.62	54	-38	-	-	-	-	318	243	V
3	* 2.5	45.36	PK-U	32.7	-32.1	0	45.96	-	-	74	-28.04	-	-	102	169	V
	* 2.5	40.68	ADR	32.7	-32.1	.1	41.38	54	-12.62	-	-	-	-	102	169	V
2	3.139	39.52	PK-U	33.2	-31.7	0	41.02	-	-	-	-	68.2	-27.18	179	132	H
4	3.163	39.51	PK-U	33.1	-31.1	0	41.51	-	-	-	-	68.2	-26.69	163	281	V

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

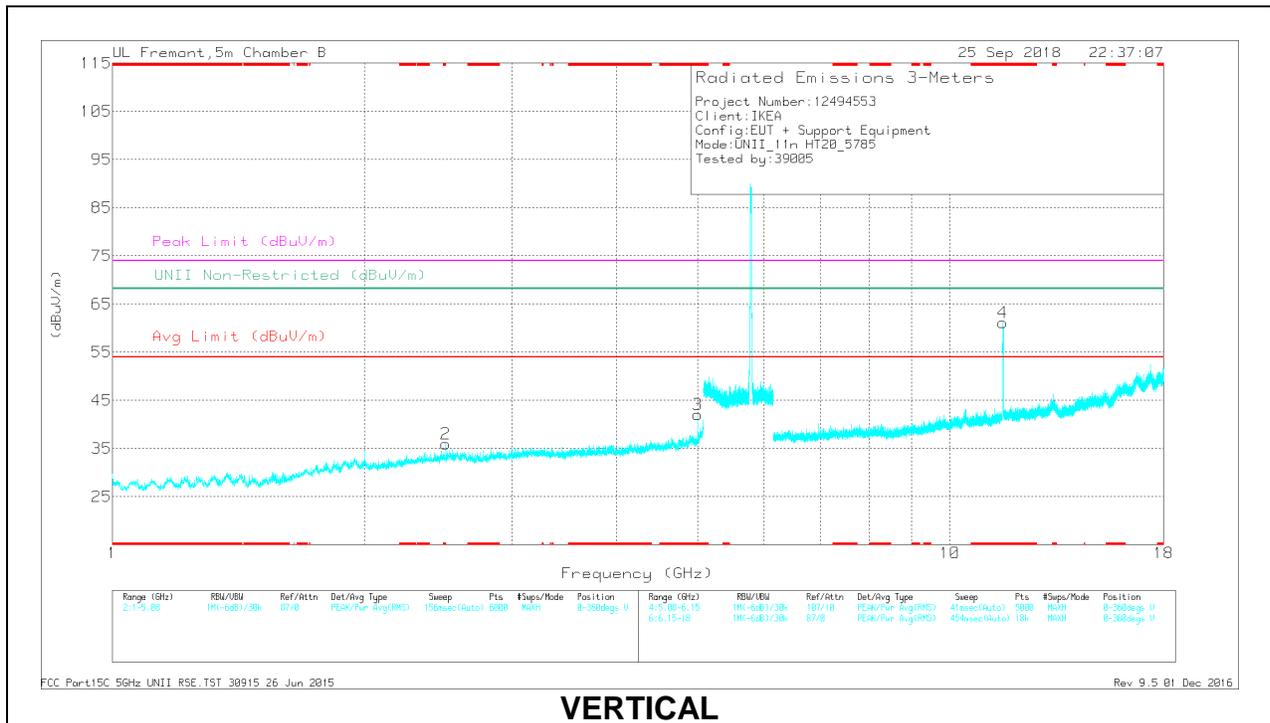
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

### MID CHANNEL RESULTS



### HORIZONTAL



### VERTICAL

**RADIATED EMISSIONS**

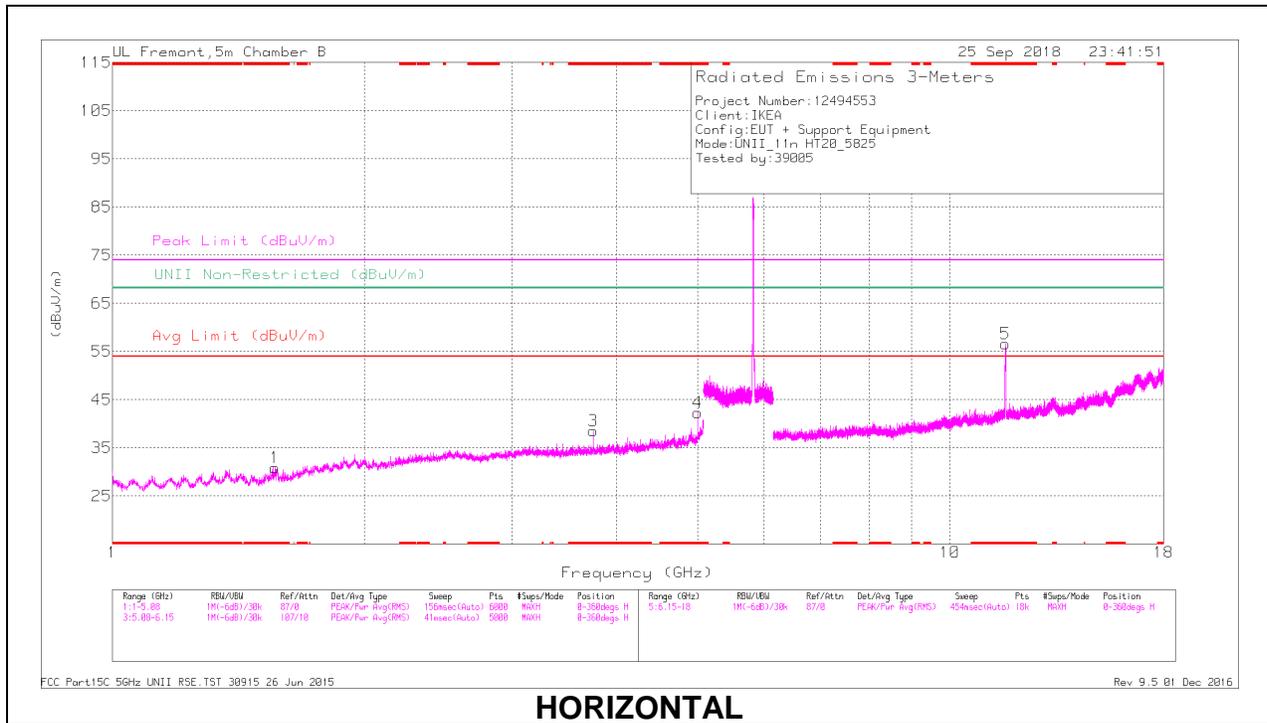
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	* 5	40.84	PK-U	34.6	-27.9	0	47.54	-	-	74	-26.46	-	-	266	197	V
	* 5	33.5	ADR	34.6	-27.8	.1	40.4	54	-13.6	-	-	-	-	266	197	V
5	* 11.566	47.62	PK-U	38.6	-22.3	0	63.92	-	-	74	-10.08	-	-	64	234	H
	* 11.566	35.13	ADR	38.6	-22.3	.1	51.53	54	-2.47	-	-	-	-	64	234	H
4	* 11.564	49.83	PK-U	38.6	-22.3	0	66.13	-	-	74	-7.87	-	-	227	104	V
	* 11.565	36.71	ADR	38.6	-22.3	.1	53.11	54	-89	-	-	-	-	227	104	V
1	1.727	40.68	PK-U	29.9	-33	0	37.58	-	-	-	-	68.2	-30.62	265	235	H
2	2.5	43.08	PK-U	32.7	-32.1	0	43.68	-	-	-	-	68.2	-24.52	89	187	V
6	17.35	33.48	PK-U	44.5	-18.6	0	59.38	-	-	-	-	68.2	-8.82	35	186	H

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

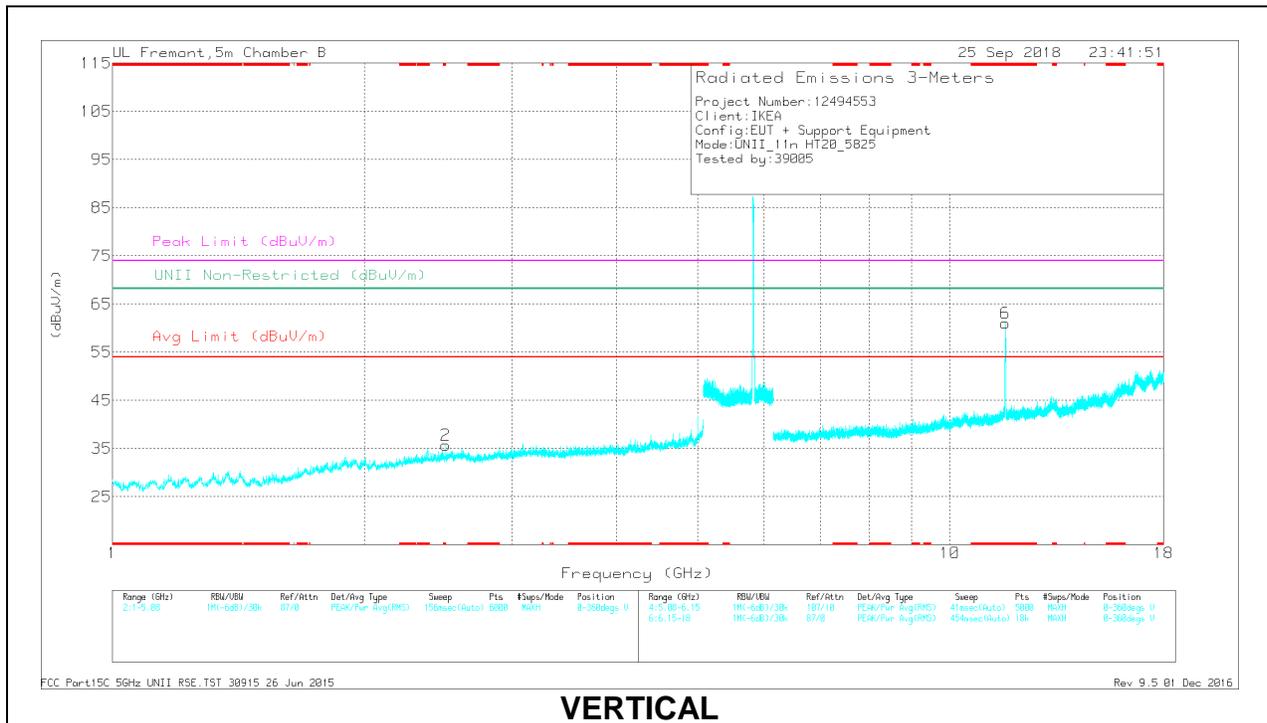
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

### HIGH CHANNEL RESULTS



### HORIZONTAL



### VERTICAL

**RADIATED EMISSIONS**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.564	43.94	PK-U	27.7	-34.2	0	37.44	-	-	74	-36.56	-	-	36	228	H
	* 1.564	32.83	ADR	27.7	-34.2	.1	26.43	54	-27.57	-	-	-	-	36	228	H
3	* 3.75	42.79	PK-U	33.3	-30.9	0	45.19	-	-	74	-28.81	-	-	192	156	H
	* 3.75	35.54	ADR	33.3	-30.9	.1	38.04	54	-15.96	-	-	-	-	192	156	H
4	* 5	40.46	PK-U	34.6	-27.8	0	47.26	-	-	74	-26.74	-	-	42	222	H
	* 5	32.68	ADR	34.6	-27.8	.1	39.58	54	-14.42	-	-	-	-	42	222	H
5	* 11.645	47.75	PK-U	38.8	-21.7	0	64.85	-	-	74	-9.15	-	-	344	317	H
	* 11.644	34.59	ADR	38.8	-21.7	.1	51.79	54	-2.21	-	-	-	-	344	317	H
6	* 11.645	47.88	PK-U	38.8	-21.7	0	64.98	-	-	74	-9.02	-	-	318	373	V
	* 11.644	35.53	ADR	38.8	-21.7	.1	52.73	54	-1.27	-	-	-	-	318	373	V
2	2.5	41.92	PK-U	32.7	-32.1	0	42.52	-	-	-	-	68.2	-25.68	99	216	V

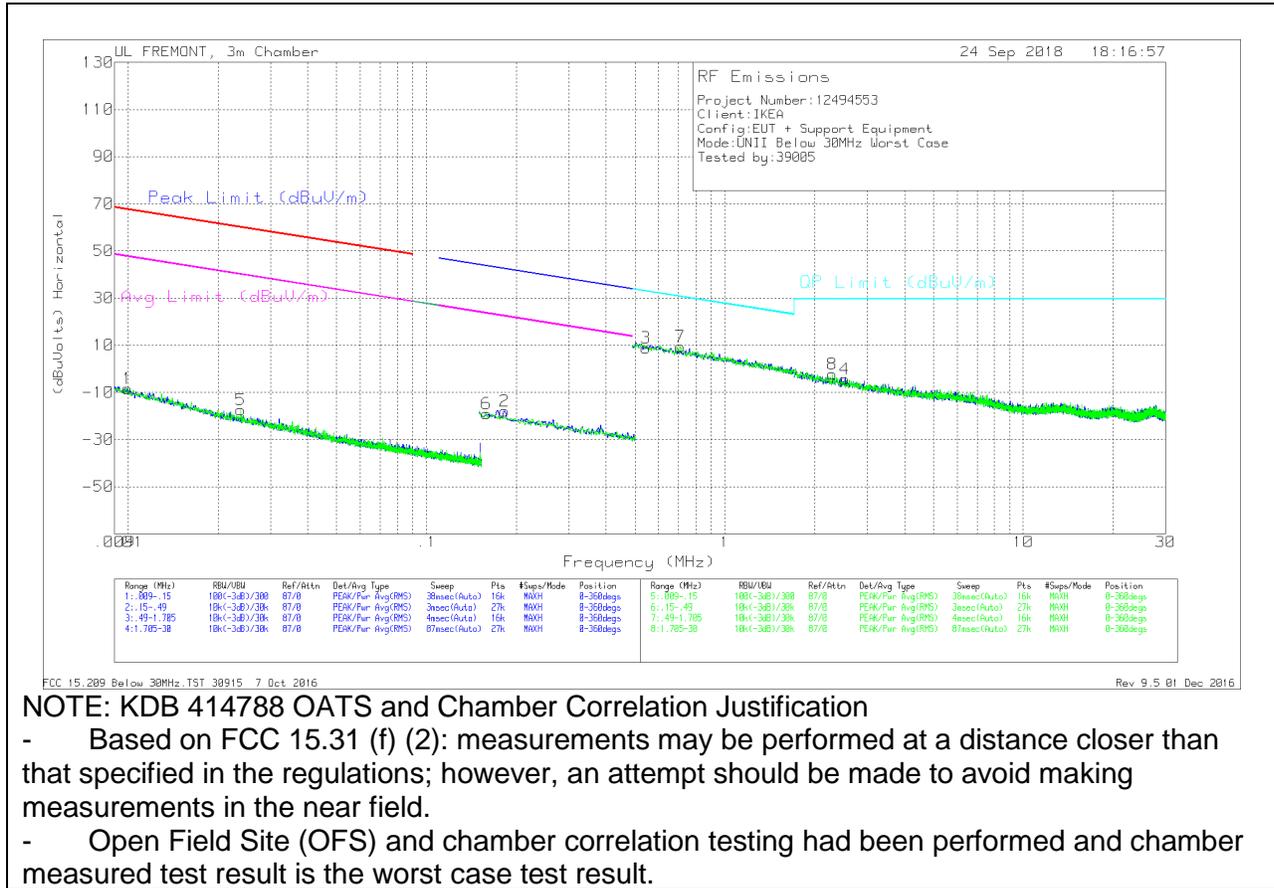
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

## 9.2. Worst Case Below 30 MHz

### SPURIOUS EMISSIONS 9 kHz TO 30 MHz (WORST-CASE CONFIGURATION)



### Below 30 MHz Data

#### Trace Markers

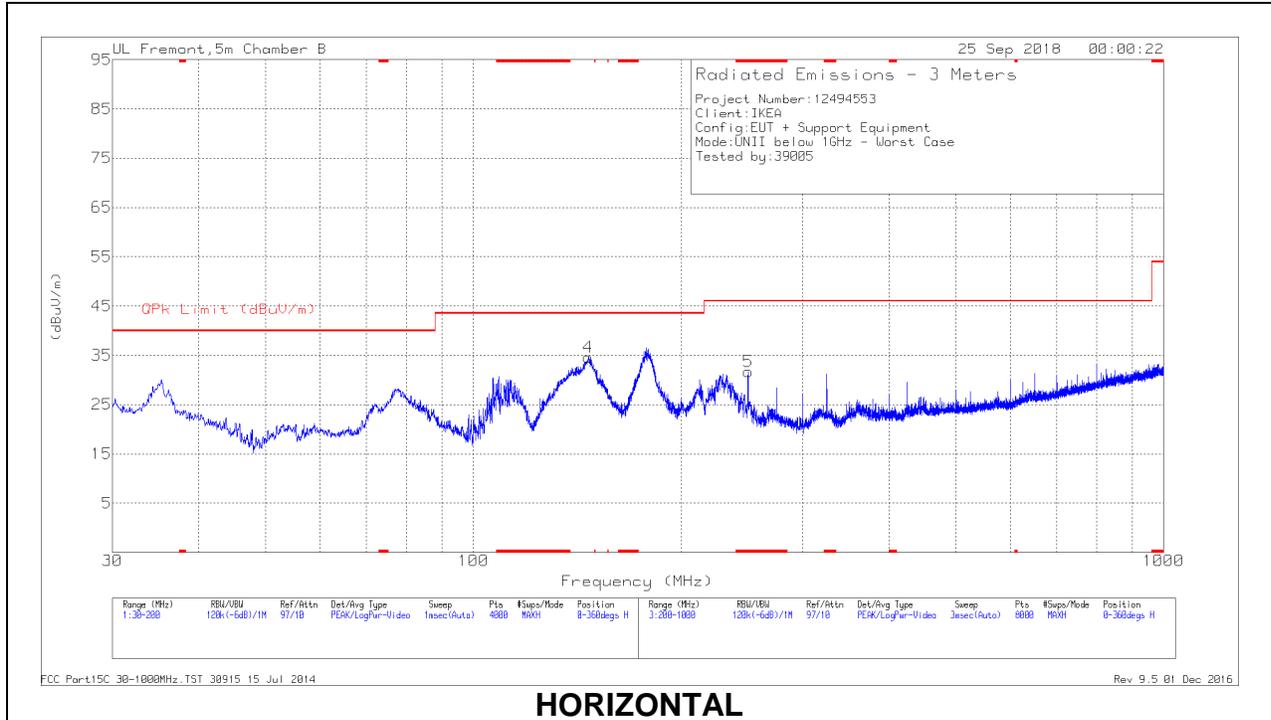
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dB/m)	Cbl (dB)	Dist Corr 300m	Corrected Reading (dBuVolts)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
1	.00995	51.31	Pk	18.9	1.4	-80	-8.39	67.62	-76.01	47.62	-56.01	-	-	-	-	0-360
5	.02385	46.85	Pk	14.3	1.4	-80	-17.45	60.04	-77.49	40.04	-57.49	-	-	-	-	0-360
6	.15878	47.67	Pk	11.8	1.5	-80	-19.03	-	-	-	-	43.61	-62.64	23.61	-42.64	0-360
2	.18269	48.83	Pk	11.8	1.5	-80	-17.87	-	-	-	-	42.39	-60.26	22.39	-40.26	0-360

#### Pk - Peak detector

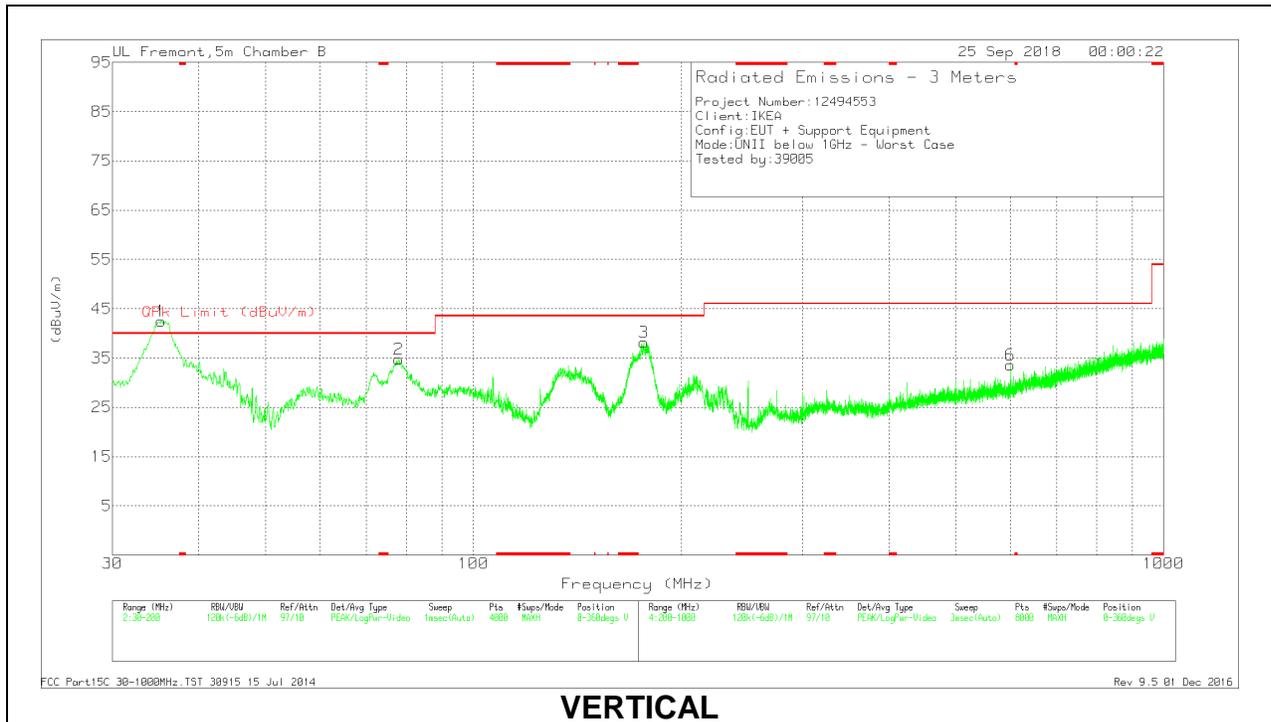
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dB/m)	Cbl (dB)	Dist Corr 30m	Corrected Reading (dBuVolts)	QP Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
3	.544	35.68	Pk	11.7	1.5	-40	8.88	32.89	-24.01	-	-	-	-	0-360
7	.70854	36.12	Pk	11.8	1.5	-40	9.42	30.61	-21.19	-	-	-	-	0-360
8	2.29136	24.4	Pk	11.9	1.5	-40	-2.2	29.5	-31.7	-	-	-	-	0-360
4	2.52244	22.19	Pk	11.8	1.5	-40	-4.51	29.5	-34.01	-	-	-	-	0-360

#### Pk - Peak detector

### 9.3. Worst Case Below 1 GHz



**HORIZONTAL**



**VERTICAL**

**Below 1GHz DATA**

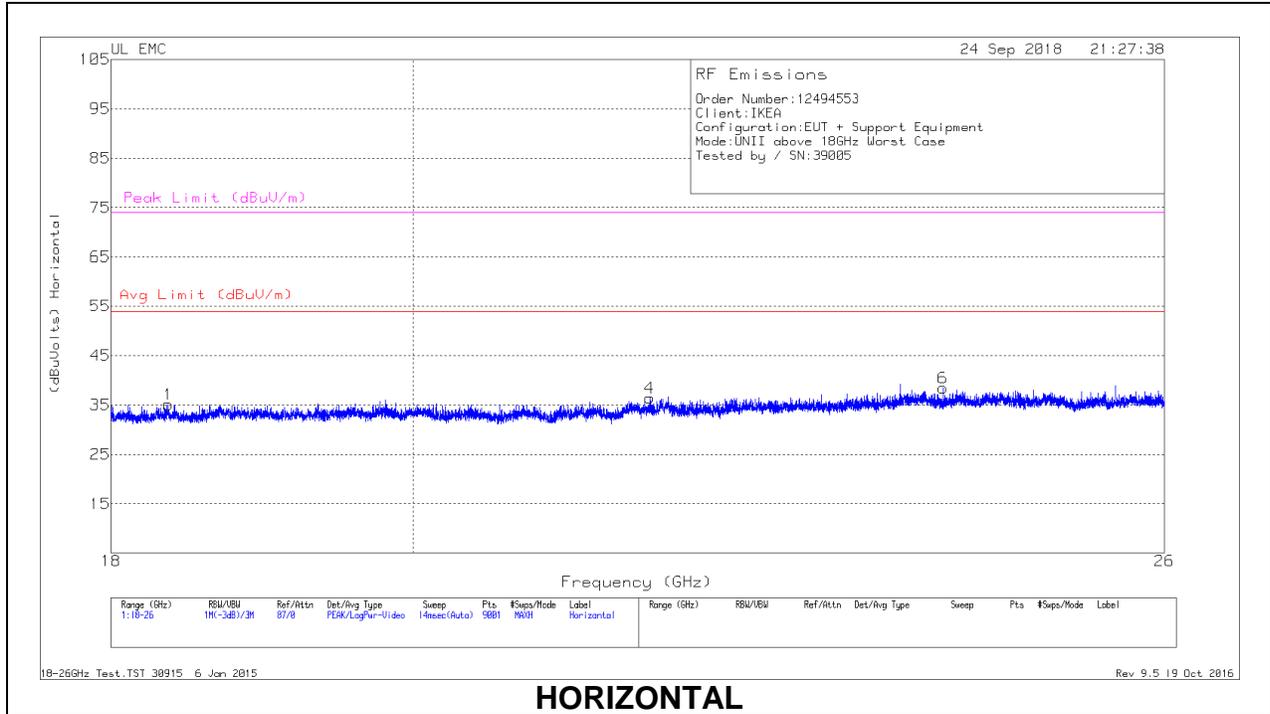
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T407 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5	* 250.0065	42.47	Pk	15.5	-26.3	31.67	46.02	-14.35	0-360	100	H
1	35.2714	49.69	Pk	21.5	-28.7	42.49	40	2.49	0-360	100	V
	35.28	45.92	Qp	21.5	-28.7	38.72	40	-1.28	197	105	V
2	77.9949	51.16	Pk	11.8	-28.2	34.76	40	-5.24	0-360	100	V
	77.9824	45.91	Qp	11.8	-28.2	29.51	40	-10.49	173	108	V
4	146.8202	45.45	Pk	16.6	-27.4	34.65	43.52	-8.87	0-360	200	H
3	176.6204	49.82	Pk	15.4	-27.1	38.12	43.52	-5.4	0-360	100	V
	176.6468	44.54	Qp	15.4	-27.1	32.84	43.52	-10.68	351	100	V
6	599.952	36.64	Pk	22.5	-25.6	33.54	46.02	-12.48	0-360	100	V

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

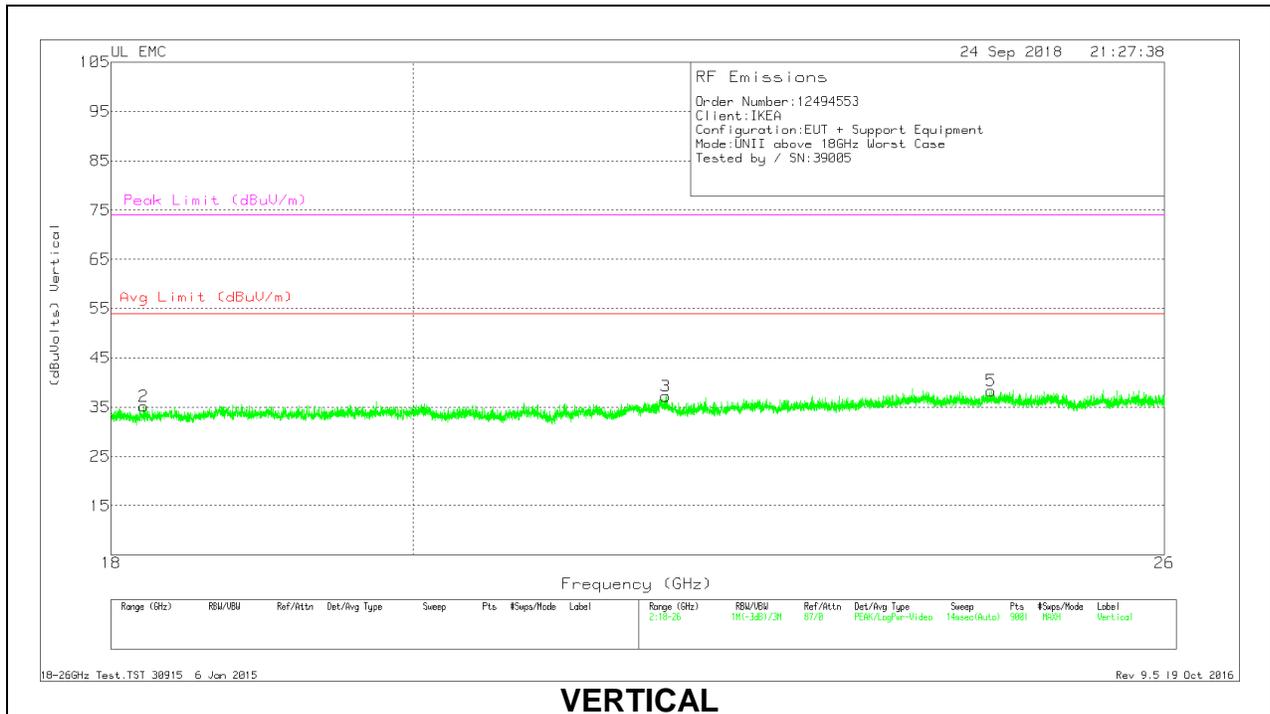
Pk - Peak detector

Qp - Quasi-Peak detector

### 9.4. Worst Case 18-26 GHz



**HORIZONTAL**



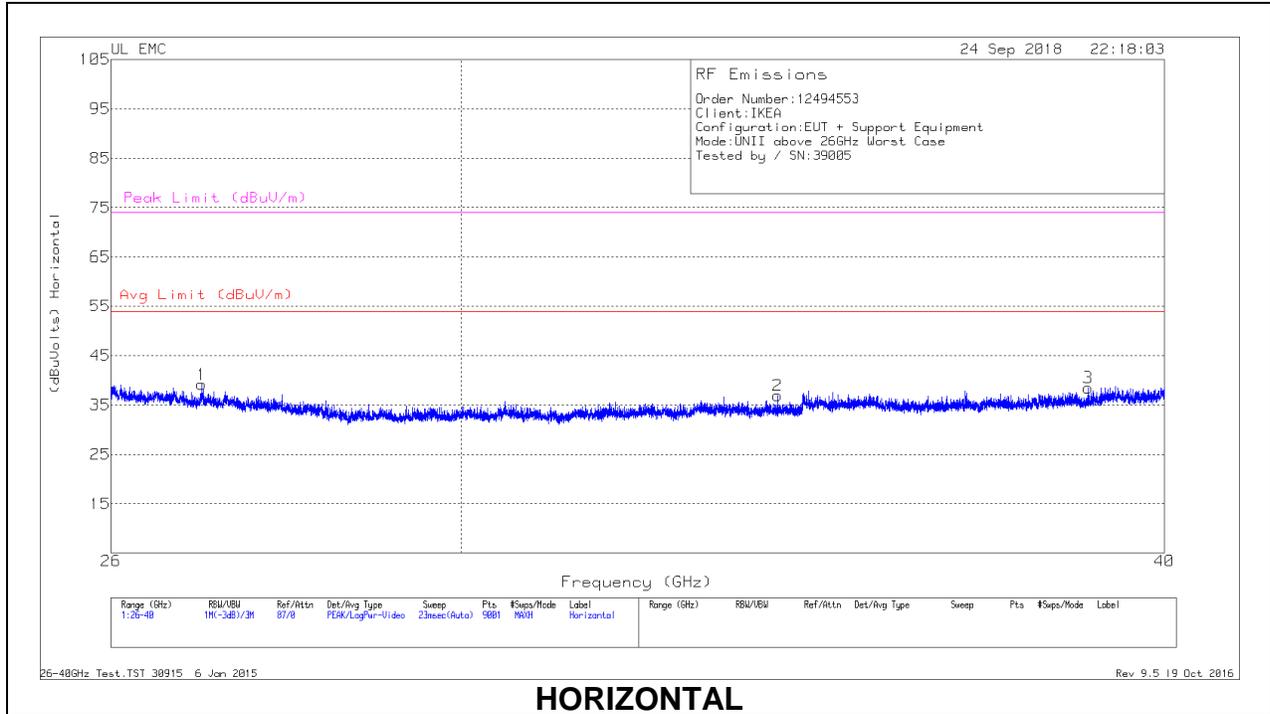
**VERTICAL**

**18 – 26GHz DATA**

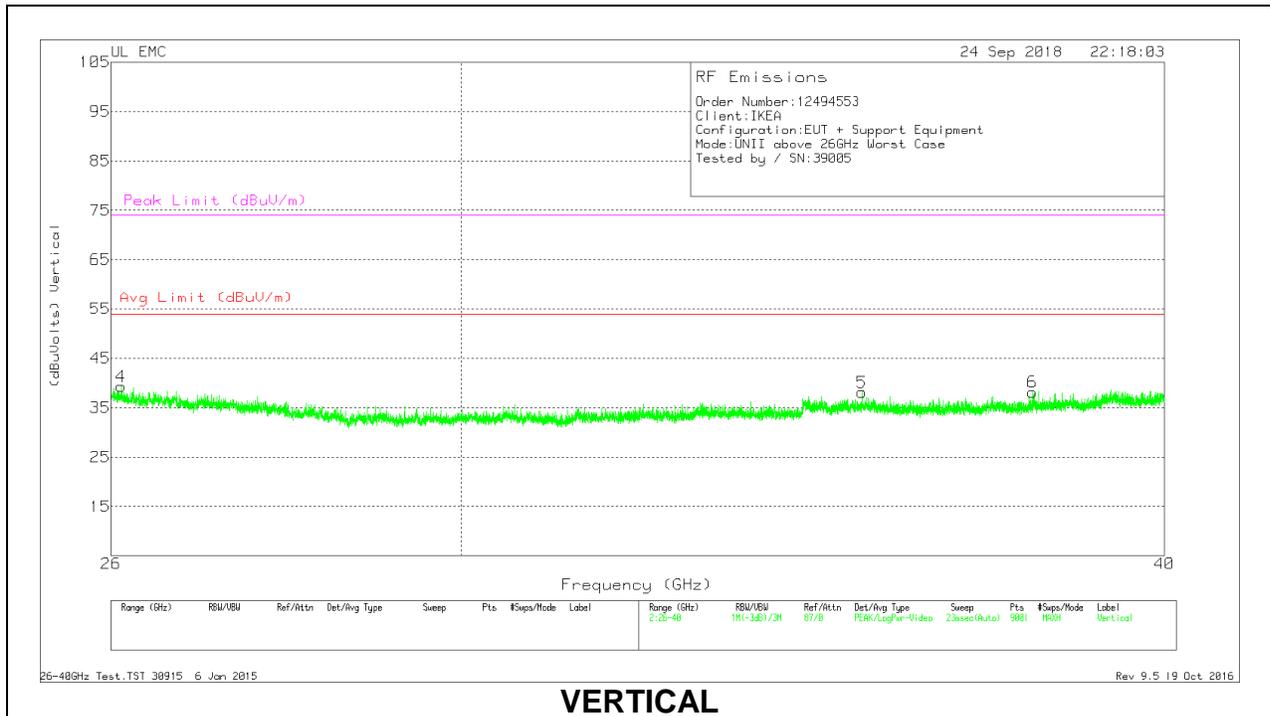
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	T89 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Corrected Reading (dBuVolts)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)
1	18.363	37.3	Pk	32.4	-25.1	-9.5	35.1	54	-18.9	74	-38.9
4	21.723	37.52	Pk	33.3	-24.9	-9.5	36.42	54	-17.58	74	-37.58
6	24.065	39.14	Pk	33.3	-24.5	-9.5	38.44	54	-15.56	74	-35.56
2	18.205	37.64	Pk	32.4	-25.4	-9.5	35.14	54	-18.86	74	-38.86
3	21.845	38.12	Pk	33.3	-24.7	-9.5	37.22	54	-16.78	74	-36.78
5	24.473	38.21	Pk	33.9	-24.3	-9.5	38.31	54	-15.69	74	-35.69

Pk - Peak detector

### 9.5. Worst Case 26-40 GHz



**HORIZONTAL**



**VERTICAL**

**26 – 40GHz DATA**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	T90 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Corrected Reading (dBuVolts)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)
1	26.982	43.76	Pk	35.5	-30.6	-9.5	39.16	54	-14.84	74	-34.84
2	34.145	42.52	Pk	36.9	-33	-9.5	36.92	54	-17.08	74	-37.08
3	38.768	43.37	Pk	36.7	-32.1	-9.5	38.47	54	-15.53	74	-35.53
4	26.106	43.22	Pk	35.6	-30	-9.5	39.32	54	-14.68	74	-34.68
5	35.346	43.13	Pk	37.8	-33.3	-9.5	38.13	54	-15.87	74	-35.87
6	37.898	43.35	Pk	37.1	-32.8	-9.5	38.15	54	-15.85	74	-35.85

Pk - Peak detector

## 10. AC POWER LINE CONDUCTED EMISSIONS

### LIMITS

FCC §15.207 (a)

RSS-Gen 8.8

Frequency of Emission (MHz)	Conducted Limit (dBuV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

\*Decreases with the logarithm of the frequency.

### TEST PROCEDURE

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

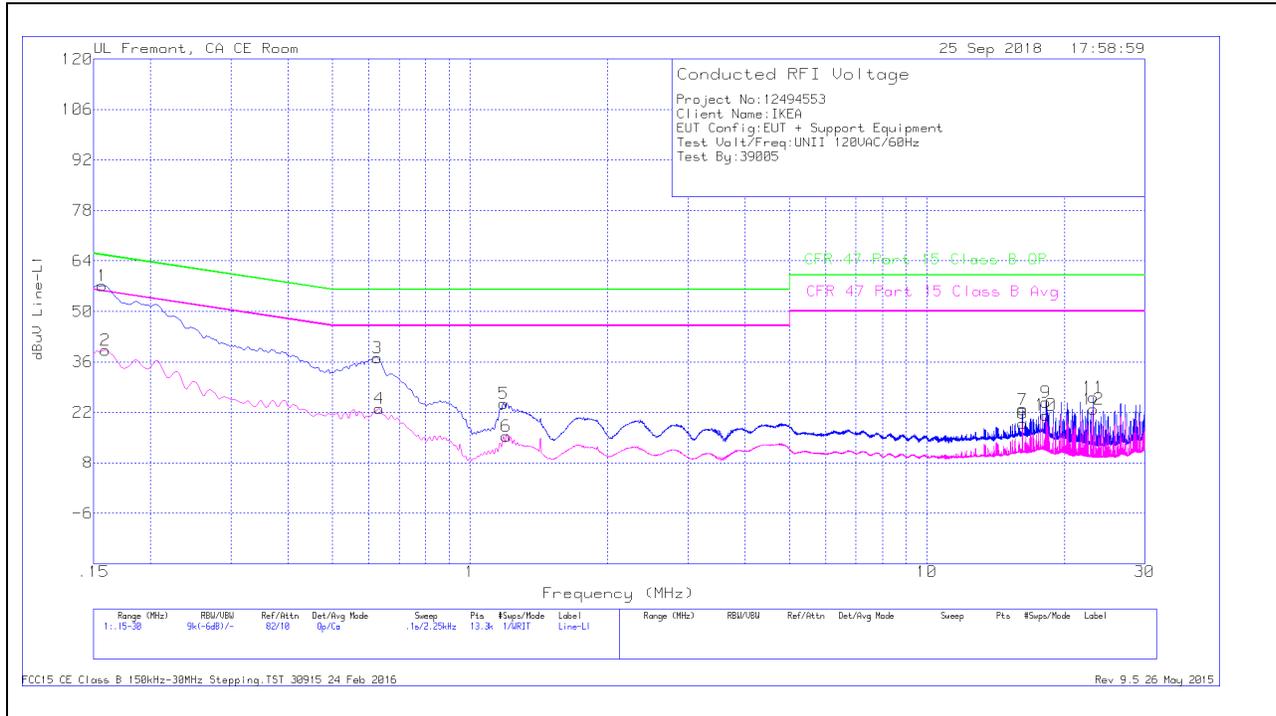
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

### RESULTS

### 10.1.1. AC Power Line Norm

### LINE 1 RESULTS

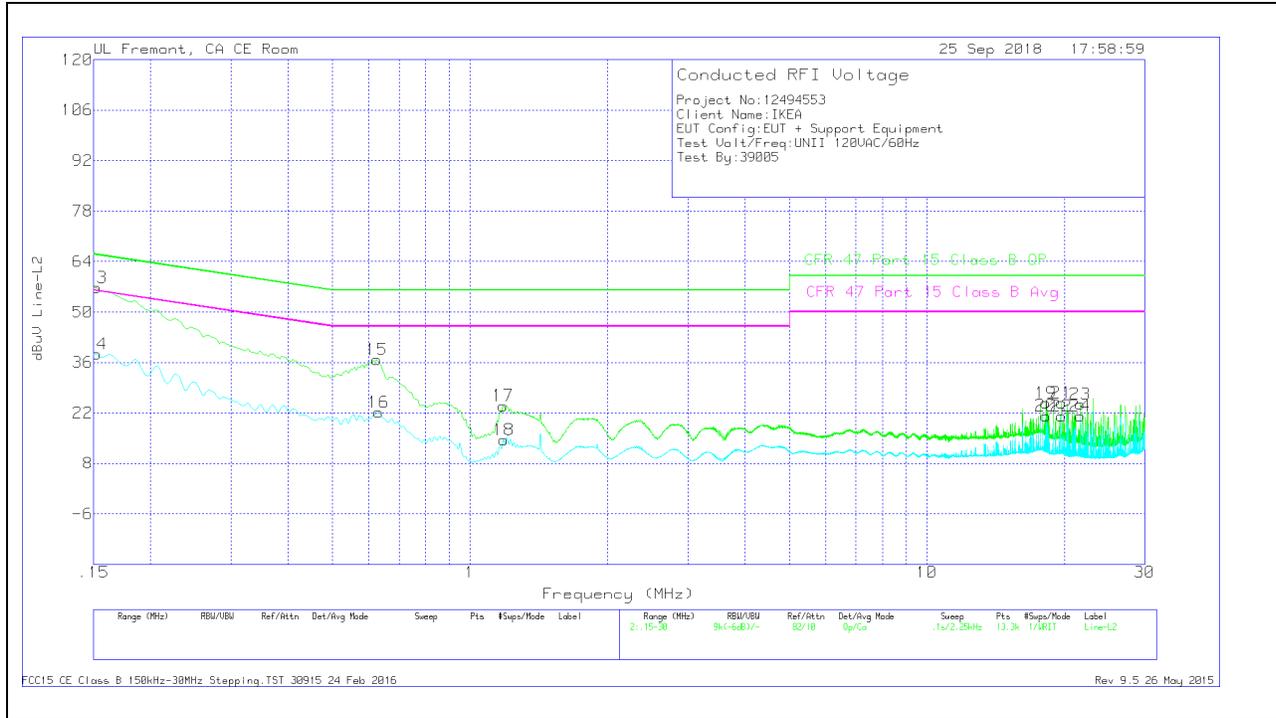


#### Trace Markers

Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L1	LC Cables C1&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR) Margin (dB)
1	.15675	47	Qp	.1	0	10.1	57.2	65.63	-8.43	-	-
2	.159	28.97	Ca	.1	0	10.1	39.17	-	-	55.52	-16.35
3	.627	27.11	Qp	0	0	10.1	37.21	56	-18.79	-	-
4	.63375	12.9	Ca	0	0	10.1	23	-	-	46	-23
5	1.185	14.32	Qp	0	.1	10.1	24.52	56	-31.48	-	-
6	1.20075	5.25	Ca	0	.1	10.1	15.45	-	-	46	-30.55
7	16.2285	12	Qp	.1	.3	10.3	22.7	60	-37.3	-	-
8	16.2285	8.17	Ca	.1	.3	10.3	18.87	-	-	50	-31.13
9	18.24225	14.14	Qp	.1	.3	10.3	24.84	60	-35.16	-	-
10	18.24225	10.53	Ca	.1	.3	10.3	21.23	-	-	50	-28.77
11	23.12925	15.41	Qp	.1	.3	10.4	26.21	60	-33.79	-	-
12	23.12925	12.13	Ca	.1	.3	10.4	22.93	-	-	50	-27.07

Qp - Quasi-Peak detector  
 Ca - CISPR average detection

### LINE 2 RESULTS



### Trace Markers

Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L2	LC Cables C2&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR) Margin (dB)
13	.15225	46.56	Qp	.1	0	10.1	56.76	65.88	-9.12	-	-
14	.15225	28.18	Ca	.1	0	10.1	38.38	-	-	55.88	-17.5
15	.62475	26.62	Qp	0	0	10.1	36.72	56	-19.28	-	-
16	.6315	12.15	Ca	0	0	10.1	22.25	-	-	46	-23.75
17	1.18275	13.81	Qp	0	.1	10.1	24.01	56	-31.99	-	-
18	1.185	4.35	Ca	0	.1	10.1	14.55	-	-	46	-31.45
19	18.24225	14.14	Qp	.1	.3	10.3	24.84	60	-35.16	-	-
20	18.24225	10.53	Ca	.1	.3	10.3	21.23	-	-	50	-28.77
21	19.70925	14.13	Qp	.1	.3	10.3	24.83	60	-35.17	-	-
22	19.70925	10.43	Ca	.1	.3	10.3	21.13	-	-	50	-28.87
23	21.66225	13.7	Qp	.1	.3	10.4	24.5	60	-35.5	-	-
24	21.66225	10.36	Ca	.1	.3	10.4	21.16	-	-	50	-28.84

Qp - Quasi-Peak detector  
 Ca - CISPR average detection