

RADIATED EMISSIONS

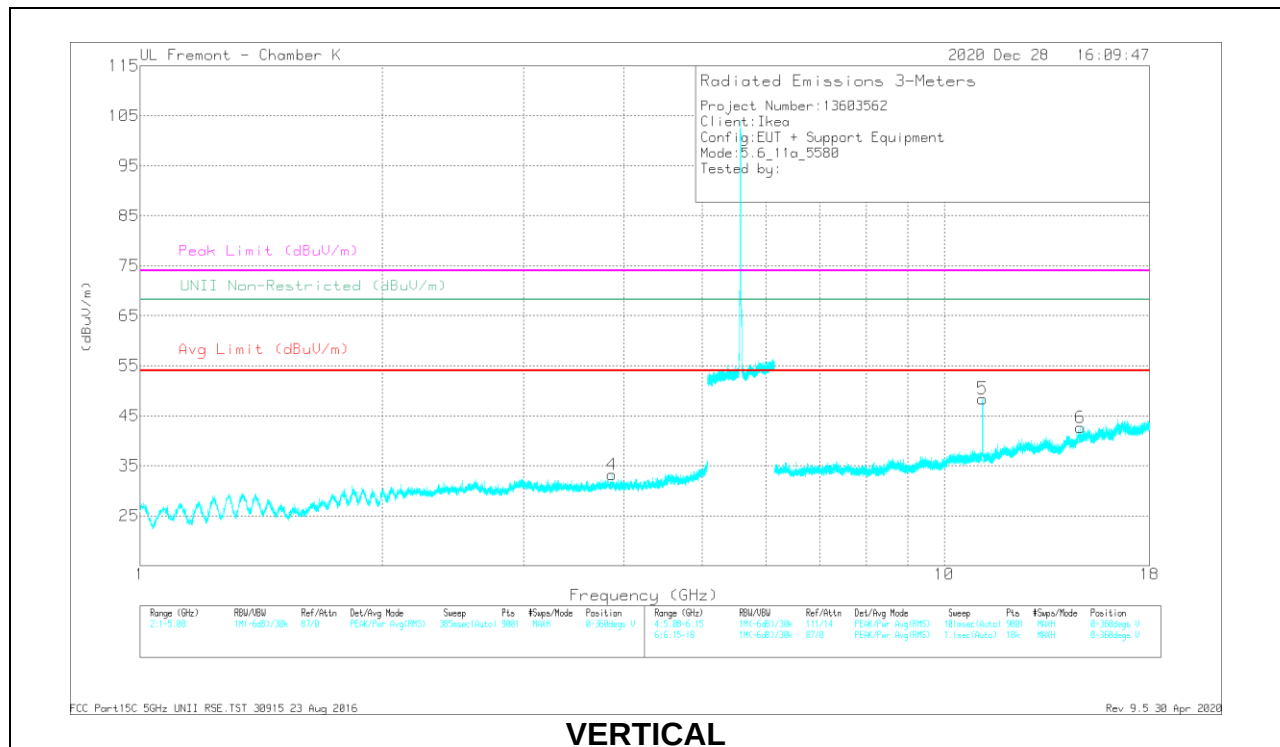
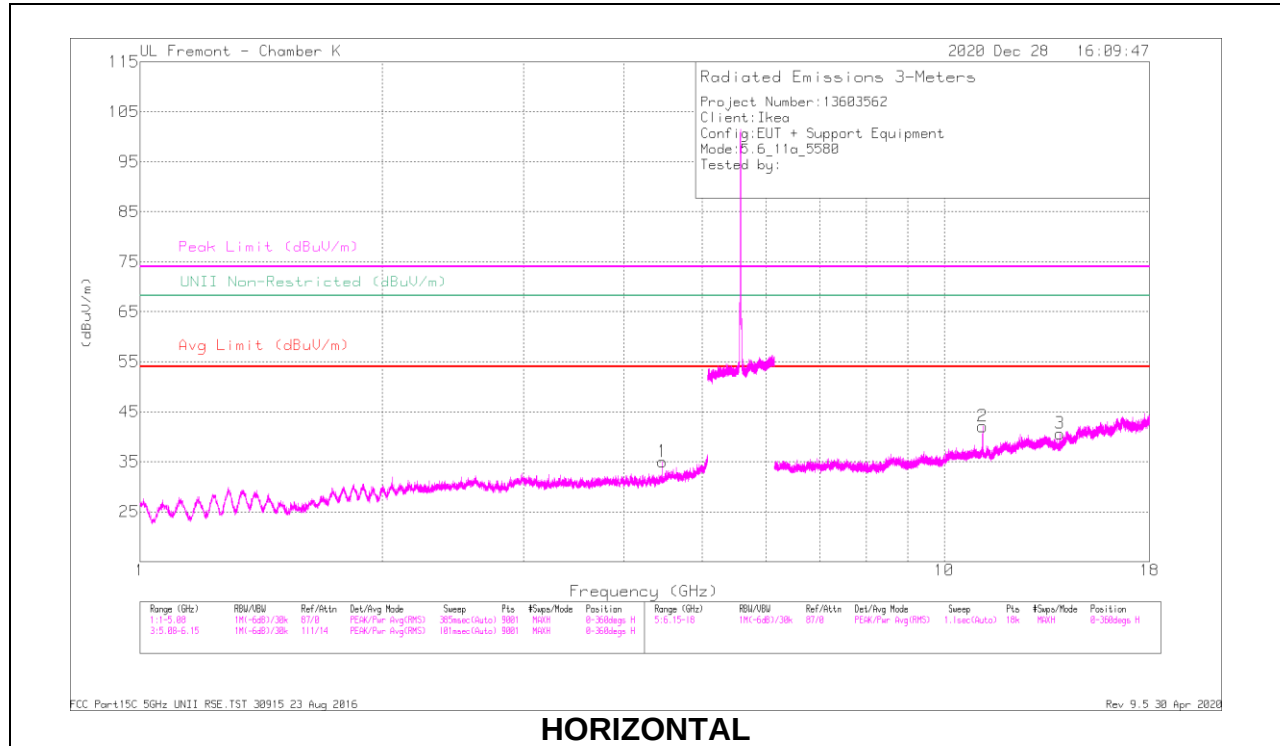
Frequency (MHz)	Mean Reading (dBm)	Det	AF 15dB (dBm)	Amp/Cable/Feed (dB)	DC Corr (dB)	Corrected Reading (dBm)	Avg Limit (dBm)	Margin (dB)	Peak Limit (dBm)	PK Margin (dB)	Unit Non-Restricted (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (m)	Polarity
2.48121	44.72	PK-U	32.4	-30.3	0	45.92	-	-	-	-	68.2	-21.38	275	200	H
2.55978	38.34	PK-U	32.3	-29.9	0	40.74	-	-	-	-	68.2	-27.46	75	108	V
10.35904	35.11	PK-U	37.6	-17	0	55.71	-	-	-	-	68.2	-12.49	71	105	H
* 7.45647	27.72	PK-U	35.8	-20.3	0	43.22	-	-	74	-30.78	-	-	325	156	H
* 7.45403	16.71	ADR	35.7	-20.4	-61	32.62	54	-21.38	-	-	-	-	325	156	H
10.35911	44	PK-U	37.6	-17	0	64.6	-	-	-	-	68.2	-3.6	341	101	V
* 7.53059	27.05	PK-U	35.8	-19.9	0	42.95	-	-	74	-31.05	-	-	266	131	V
* 7.53092	16.41	ADR	35.8	-19.9	.61	32.92	54	-21.08	-	-	-	-	266	131	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



RADIATED EMISSIONS

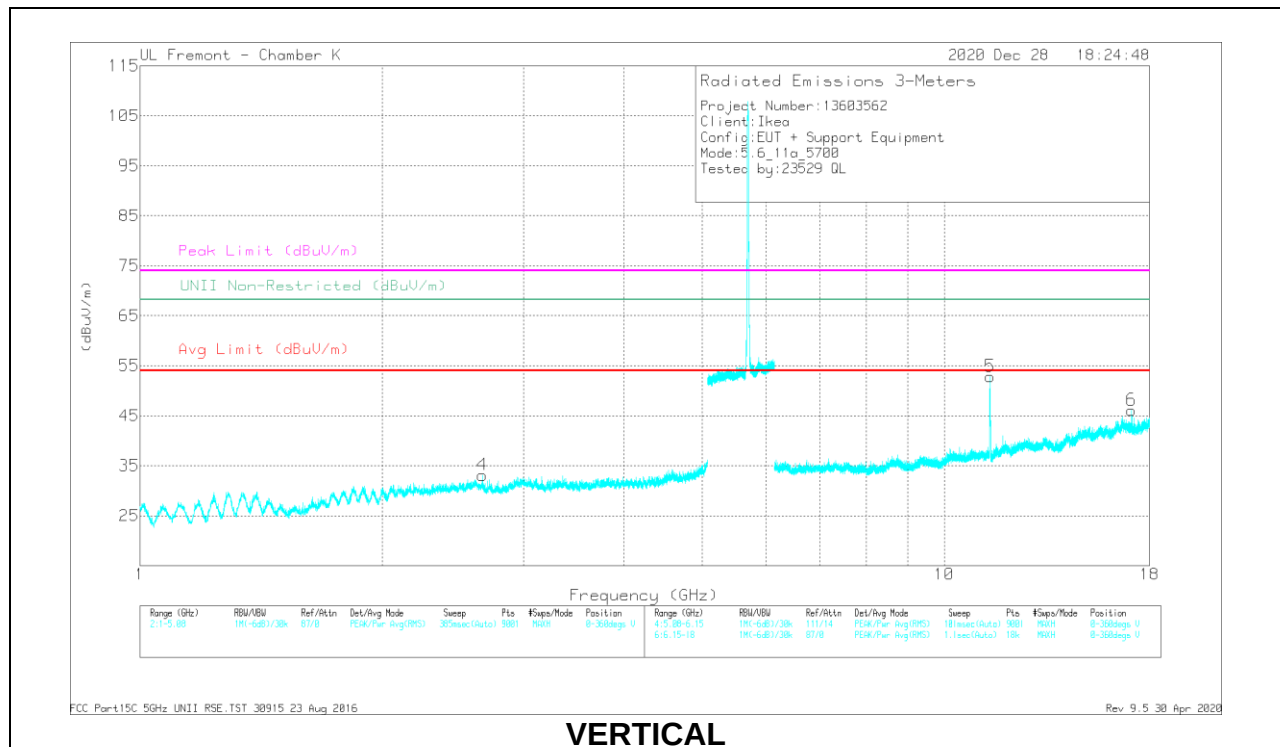
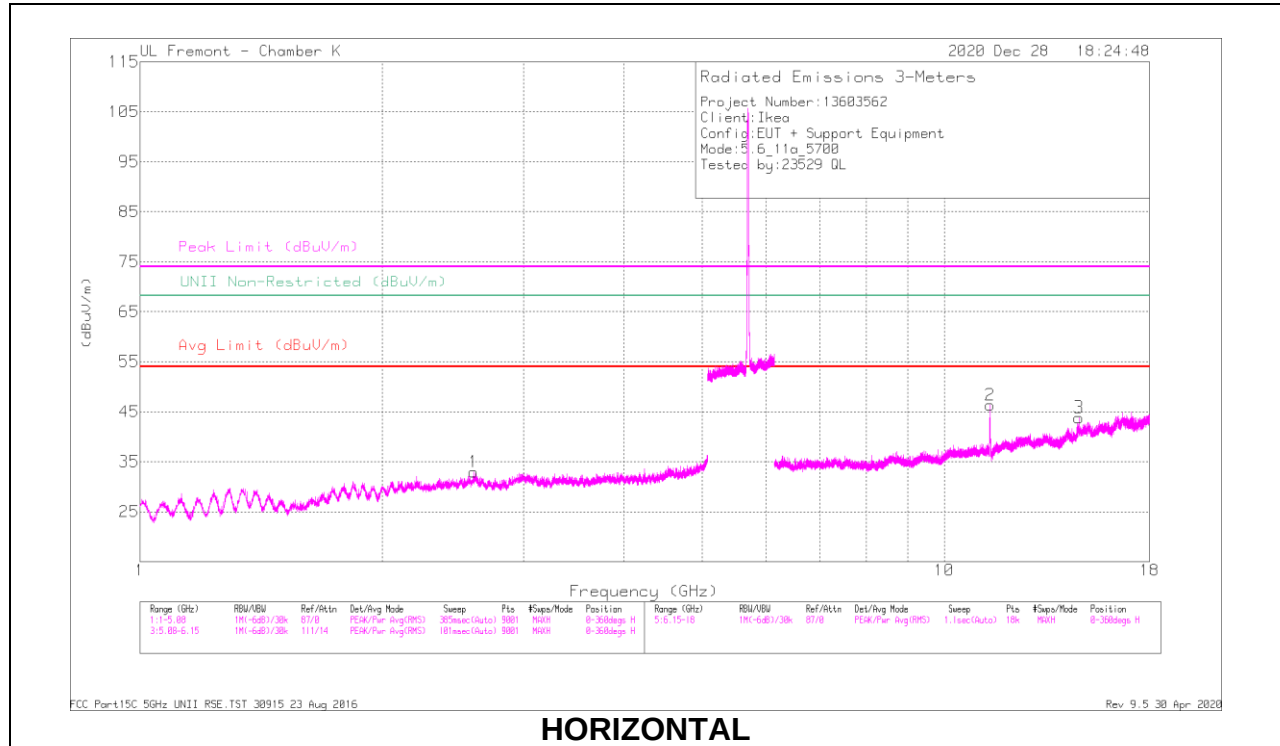
Frequency(GHz)	Meas(Reading)(dBm)	Det	AF TIE3 (dBm)	Amplitude(100Hz BW) (dBm)	DC Corr (dB)	Corrected(Head) (dBm)	Avg Limit (dBm)	Margin(dB)	Peak Limit (dBm)	PK Margin(dB)	Limit Non-Resonant (dBm)	PK Margin(dB)	Azimuth(Degs)	Height(m)	Polarity
4.46219	48.26	PK-U	34.1	-41.2	0	41.16	-	-	-	-	66.2	-27.04	5	98	H
* 3.86047	48.67	PK-U	33.6	-41.8	0	40.47	-	-	74	-33.53	-	-	38	301	V
* 3.86318	36.99	ADR	33.5	-41.8	61	29.3	54	-24.7	-	-	-	-	38	301	V
* 11.162	50.94	PK-U	37.9	-36.7	0	52.14	-	-	74	-21.86	-	-	13	102	H
* 11.1619	39.73	ADR	37.9	-36.7	61	41.54	54	-12.46	-	-	-	-	13	102	H
13.9245	43	PK-U	39	-35.6	0	46.4	-	-	-	-	68.2	-21.8	163	114	H
* 11.16285	59.3	PK-U	37.8	-36.7	0	60.4	-	-	74	-13.6	-	-	287	100	V
* 11.1579	47.46	ADR	37.8	-36.7	61	49.17	54	-4.83	-	-	-	-	287	100	V
14.75071	43.34	PK-U	40.7	-34.5	0	49.74	-	-	-	-	66.2	-18.46	216	124	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



RADIATED EMISSIONS

Frequency (MHz)	Meas Reading (dBuV)	Det	AF YB2 (dBm)	Amp/Cat/Ref (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Limit Non-Restricted (dBuV/m)	PK Margin (dB)	Altitude (Feet)	Height (m)	Polarity
2.59765	50.97	PK-U	32.8	-44.1	0	39.67	-	-	-	-	68.2	-28.53	109	223	H
* 2.66629	52.45	PK-U	32.5	-43.7	0	41.25	-	-	74	-32.75	-	-	120	380	V
* 2.66916	41.06	ADR	32.4	-43.7	.61	30.37	54	-23.63	-	-	-	-	120	380	V
* 11.39754	55.99	PK-U	38.1	-36.2	0	57.89	-	-	74	-16.11	-	-	16	106	H
* 11.3975	45.26	ADR	38.1	-36.2	.61	47.77	54	-6.23	-	-	-	-	16	106	H
14.70436	43.65	PK-U	40.7	-34.1	0	50.25	-	-	-	-	68.2	-17.95	297	113	H
* 11.3979	58.87	PK-U	38.1	-36.2	0	60.77	-	-	74	-13.23	-	-	69	194	V
* 11.3977	50.1	ADR	38.1	-36.2	.61	52.61	54	-1.39	-	-	-	-	69	194	V
17.09922	51.57	PK-U	41.6	-33.3	0	58.87	-	-	-	-	68.2	-8.33	45	107	V

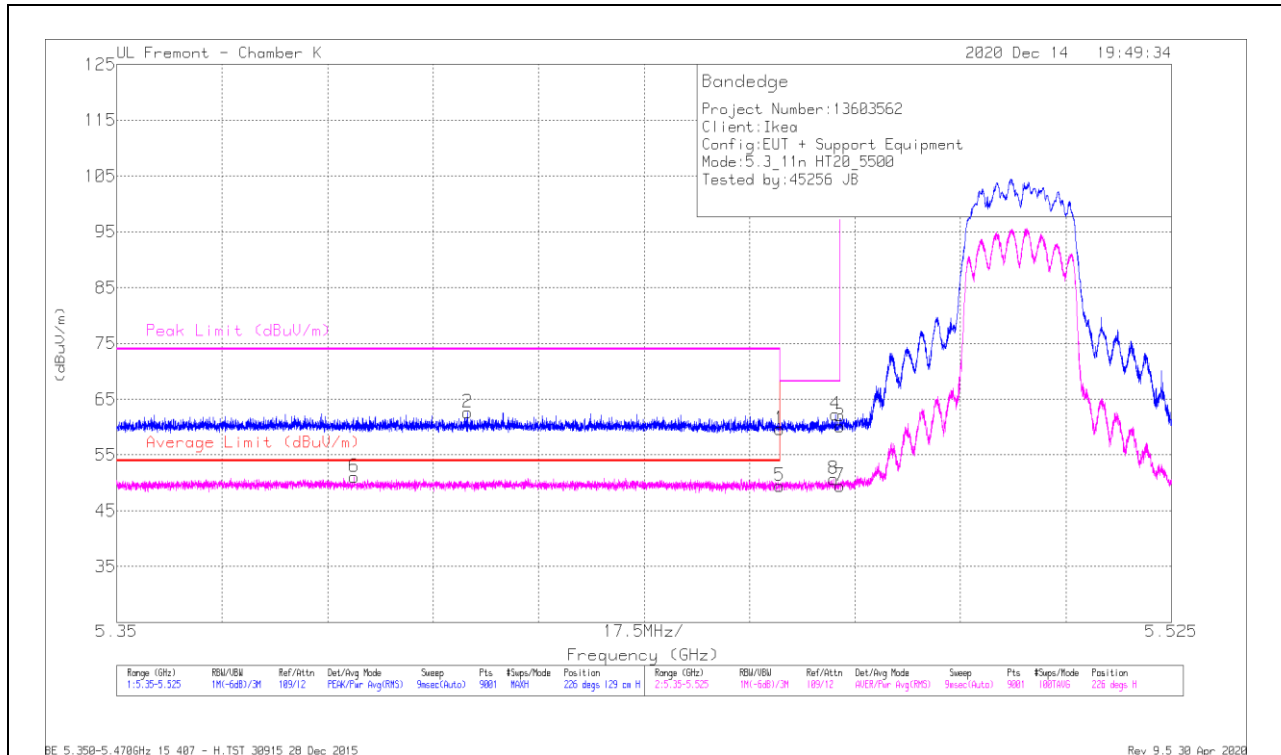
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK-U - U-NII: Maximum Peak
ADR - U-NII AD primary method, RMS average

11.1.6. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.6 GHz BAND

2TX Antenna 1 + Antenna 2 CDD MODE

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



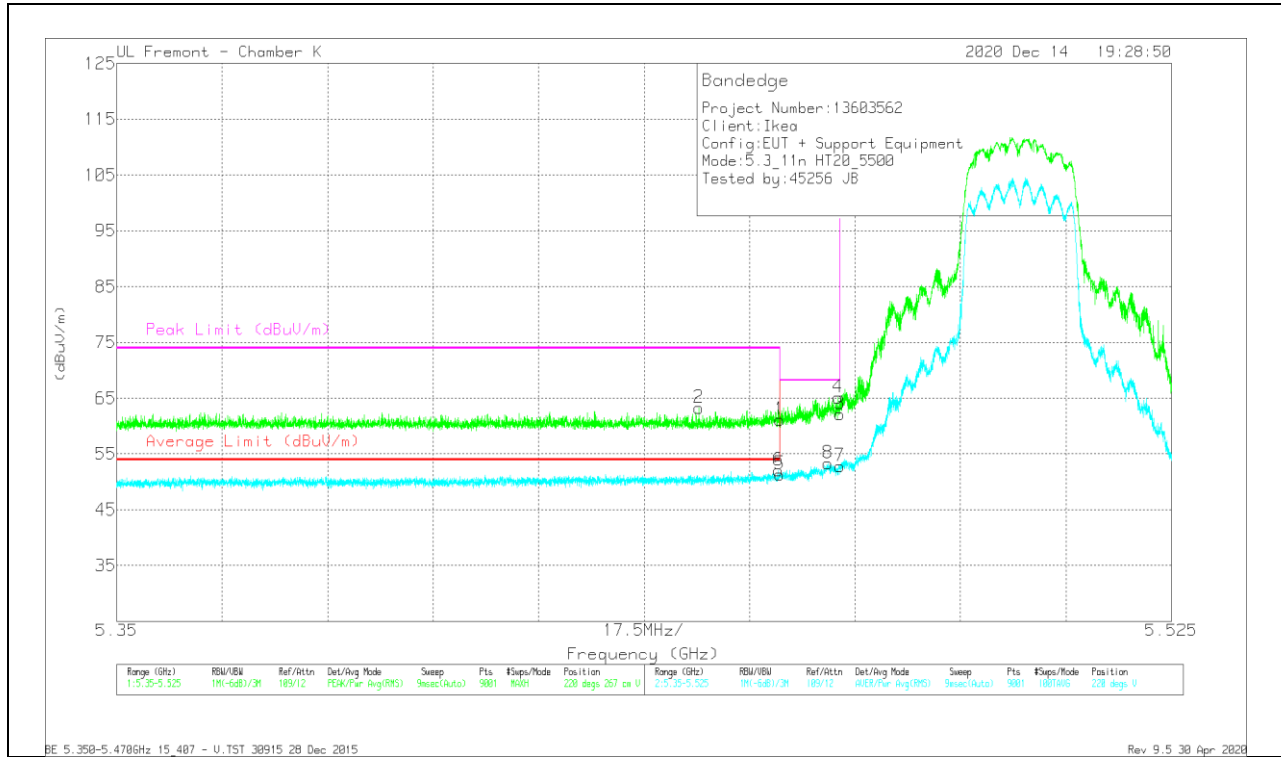
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF TSB (dBm)	Amp/CDI/FIR/Pd (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.45999	31.45	Pk	35.6	-7.4	0	59.65	-	-	74	-14.35	226	129	H
2	* 5.40823	34.68	Pk	35.4	-7.4	0	62.68	-	-	74	-11.32	226	129	H
3	5.46999	31.85	Pk	35.7	-7.4	0	60.15	-	-	68.2	-8.05	226	129	H
4	5.46923	34.01	Pk	35.7	-7.4	0	62.31	-	-	68.2	-5.89	226	129	H
5	* 5.45999	21.24	RMS	35.6	-7.4	0	49.44	54	-4.56	-	-	226	129	H
6	* 5.38911	23.14	RMS	35.2	-7.3	0	51.04	54	-2.96	-	-	226	129	H
7	5.46999	21.22	RMS	35.7	-7.4	0	49.52	-	-	-	-	226	129	H
8	5.46998	22.4	RMS	35.7	-7.4	0	50.7	-	-	-	-	226	129	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 1863 (dBm)	Amp/ChlFilt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (m)	Height (cm)	Polarity
1	* 5.45999	33	Pk	35.6	-7.4	0	61.2	-	-	74	-12.8	220	267	V
2	* 5.44658	35.05	Pk	35.5	-7.3	0	63.25	-	-	74	-10.75	220	267	V
3	5.46999	33.8	Pk	35.7	-7.4	0	62.1	-	-	68.2	-6.1	220	267	V
4	5.4697	36.85	Pk	35.7	-7.4	0	65.15	-	-	68.2	-3.05	220	267	V
5	* 5.45999	23.19	RMS	35.6	-7.4	0	51.39	54	-2.61	-	-	220	267	V
6	* 5.4598	23.84	RMS	35.6	-7.4	0	52.04	54	-1.96	-	-	220	267	V
7	5.46999	24.52	RMS	35.7	-7.4	0	52.82	-	-	-	-	220	267	V
8	5.46804	24.98	RMS	35.7	-7.4	0	53.28	-	-	-	-	220	267	V

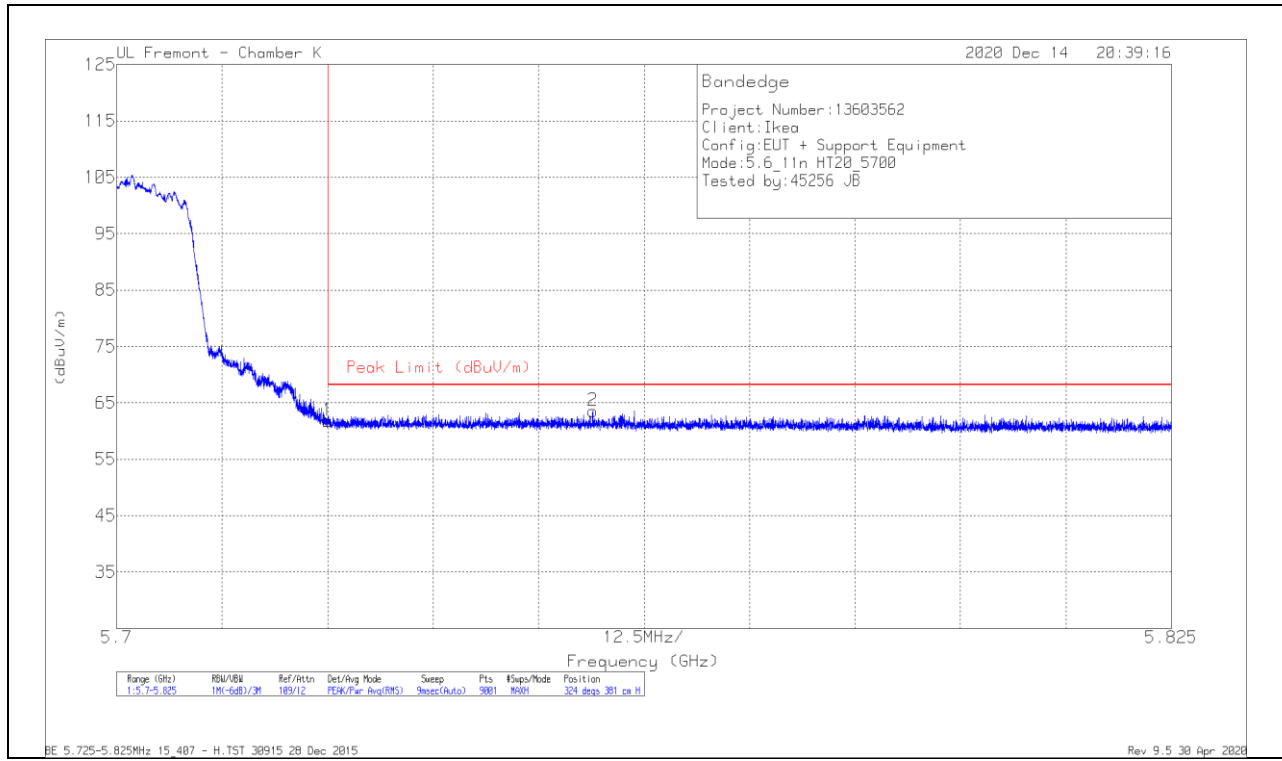
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

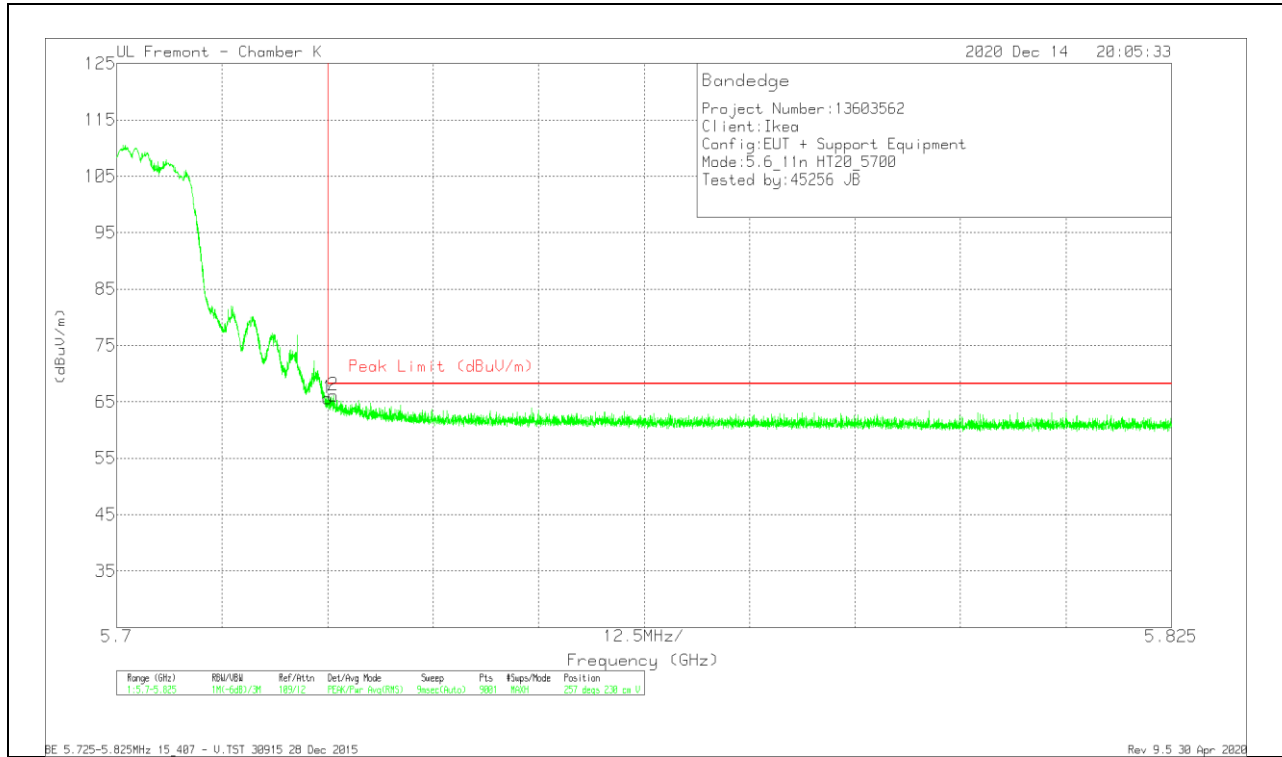
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	33.58	Pk	35.1	-6.8	0	61.88	68.2	-6.32	324	381	H
2	5.75642	35.15	Pk	35.1	-6.7	0	63.55	68.2	-4.65	324	381	H

Pk - Peak detector

VERTICAL RESULT

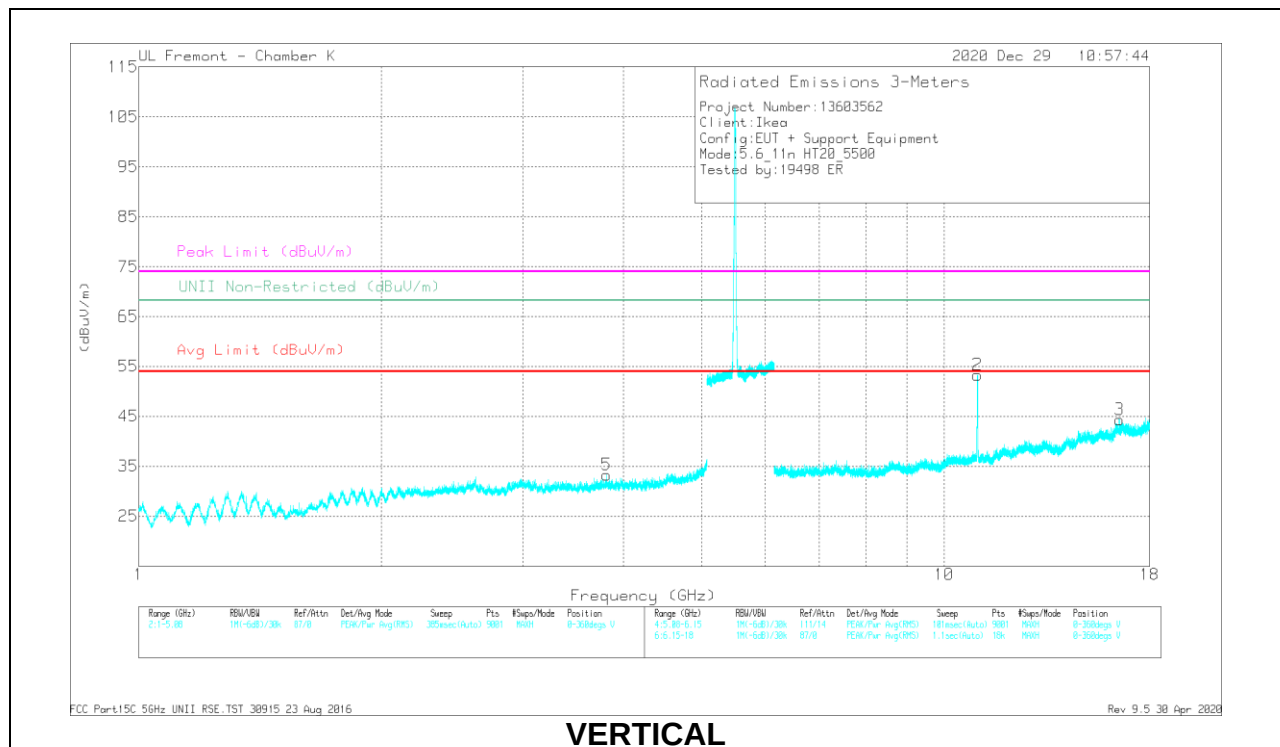
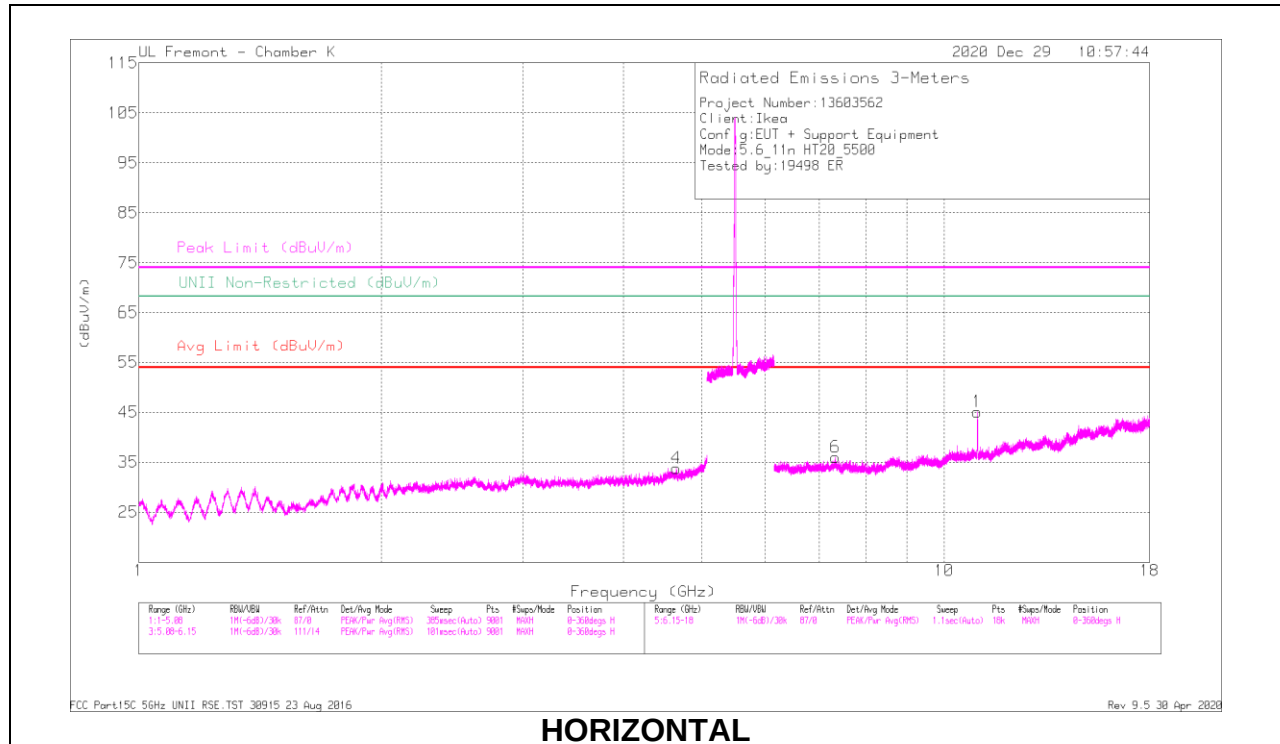


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Ftr/Pa d (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	37.37	Pk	35.1	-6.8	0	65.67	68.2	-2.53	257	230	V
2	5.72569	37.87	Pk	35.1	-6.8	0	66.17	68.2	-2.03	257	230	V

Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

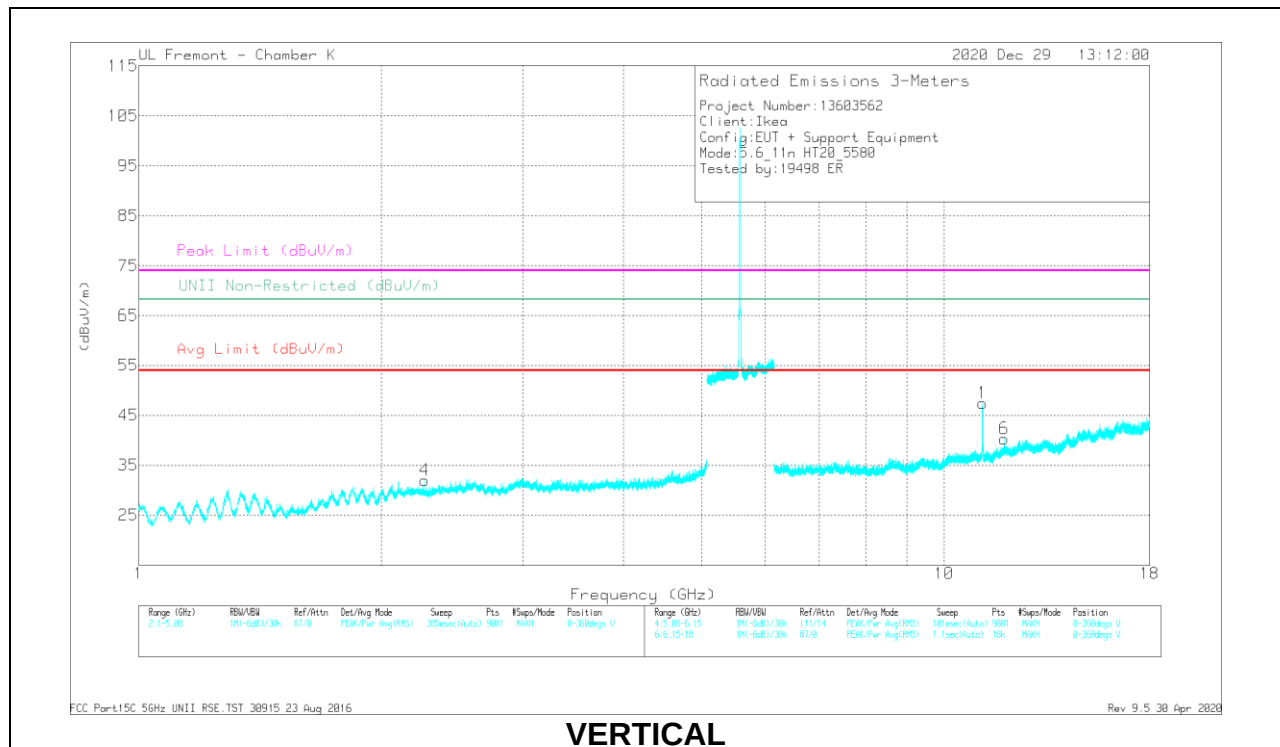
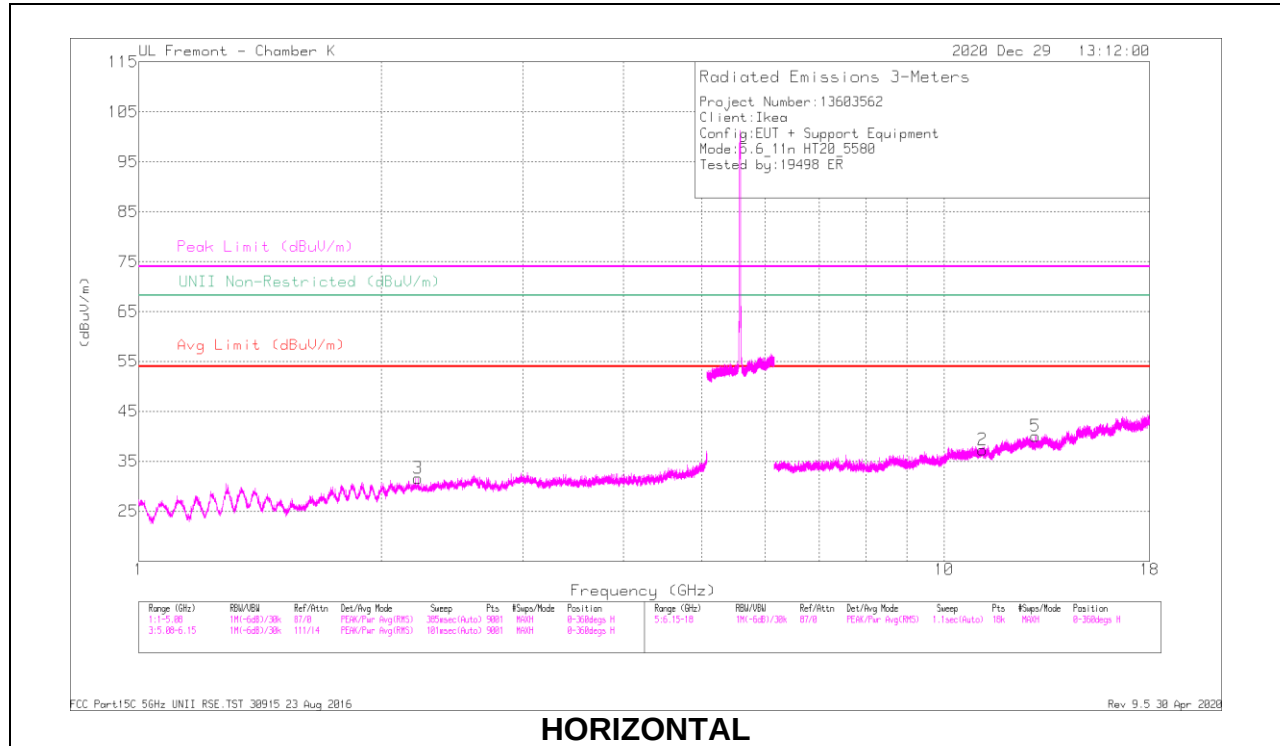
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T663 (dBm)	Amp/Cable/In/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.64668	48.75	PK-U	34.4	-41	42.15	-	-	74	-31.85	-	-	109	149	H
* 4.64535	37.72	ADR	34.4	-41	31.12	54	-22.88	-	-	-	-	109	149	H
* 3.81296	49.29	PK-U	33.5	-42.1	40.69	-	-	74	-33.31	-	-	91	126	V
* 3.81168	37.29	ADR	33.5	-42.1	28.69	54	-25.31	-	-	-	-	91	126	V
* 10.999	56.91	PK-U	37.8	-37	57.71	-	-	74	-16.29	-	-	254	214	H
* 10.99872	43.77	ADR	37.8	-37	44.57	54	-9.43	-	-	-	-	254	214	H
* 7.32851	43.5	PK-U	36.1	-37.3	42.3	-	-	74	-31.7	-	-	315	114	H
* 7.32843	34.59	ADR	36.1	-37.3	33.39	54	-20.61	-	-	-	-	315	114	H
* 11.00344	63.09	PK-U	37.8	-37.1	63.79	-	-	74	-10.21	-	-	258	111	V
* 11.00352	51.05	ADR	37.8	-37.1	51.75	54	-2.25	-	-	-	-	258	111	V
16.50884	43.65	PK-U	42	-33.8	51.85	-	-	-	-	68.2	-16.35	106	135	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

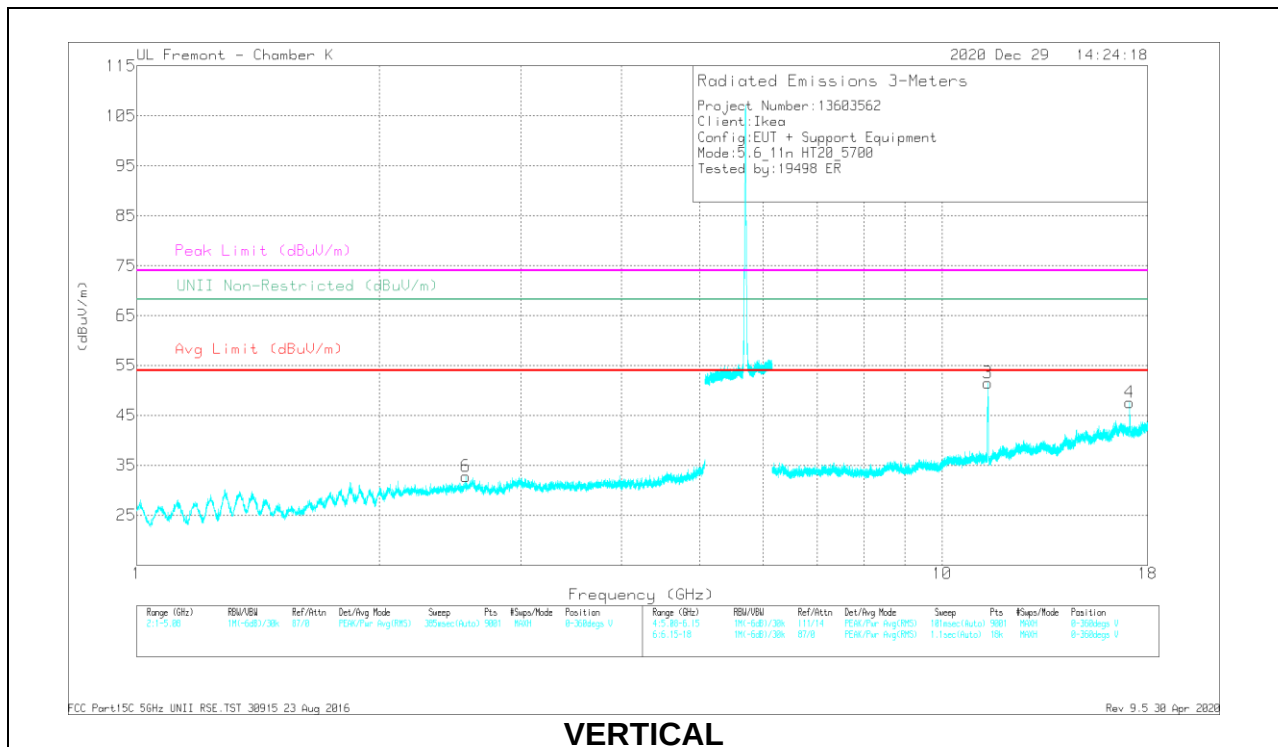
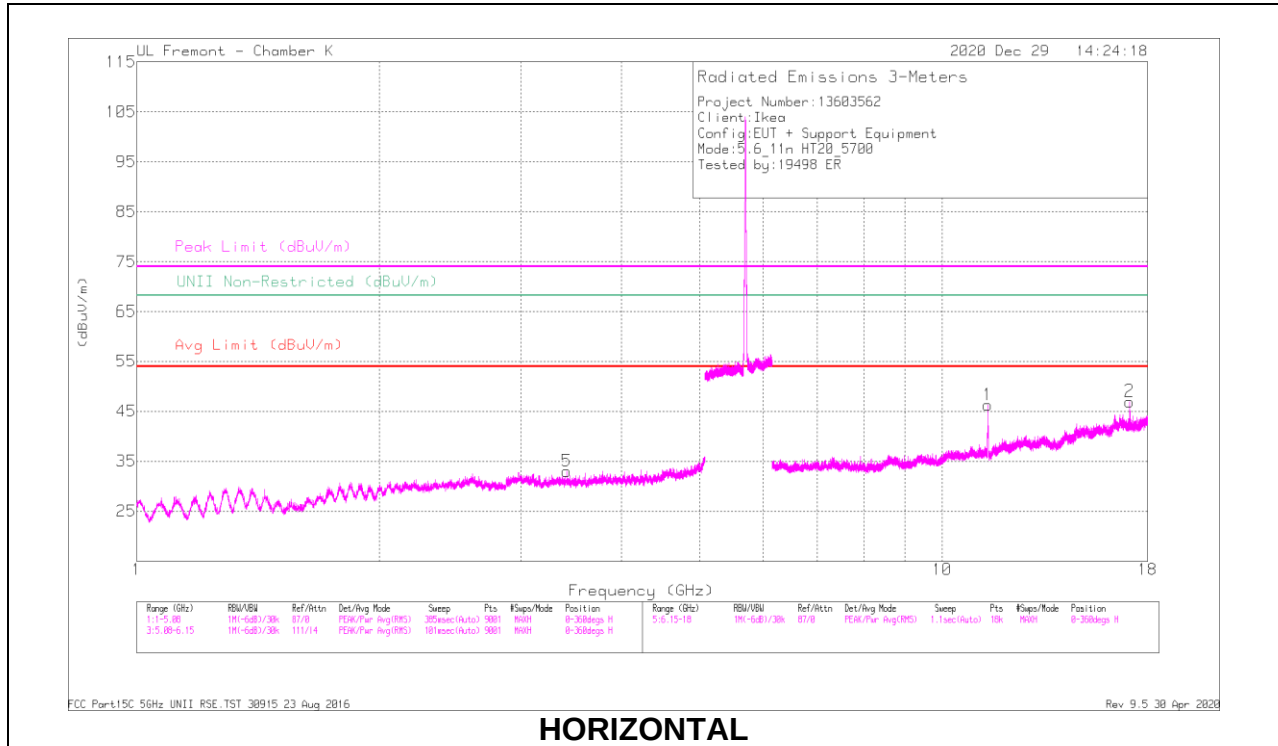


RADIATED EMISSIONS

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T663 (dBm)	Amp/Cable/In/Pad (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
* 2.22202	51.62	PK-U	31.9	-45.5	38.02	-	-	74	-35.98	-	-	30	120	H
* 2.22945	40.76	ADR	31.9	-45.5	27.16	54	-26.84	-	-	-	-	30	120	H
* 2.26507	51.4	PK-U	31.6	-45.1	37.9	-	-	74	-36.1	-	-	82	237	V
* 2.26562	40.38	ADR	31.6	-45.1	26.88	54	-27.12	-	-	-	-	82	237	V
* 11.15757	61.11	PK-U	37.8	-36.7	62.21	-	-	74	-11.79	-	-	25	262	H
* 11.15797	47.72	ADR	37.8	-36.7	48.82	54	-5.18	-	-	-	-	25	262	H
12.99255	43.5	PK-U	39.6	-34.6	48.5	-	-	-	-	68.2	-19.7	32	185	H
* 11.16346	64.88	PK-U	37.8	-36.7	65.98	-	-	74	-8.02	-	-	281	98	V
* 11.16854	52.75	ADR	37.8	-36.7	53.95	54	-0.05	-	-	-	-	281	98	V
* 11.8773	43.09	PK-U	38.8	-35.5	46.39	-	-	74	-27.61	-	-	66	153	V
* 11.86521	32.52	ADR	38.7	-35.6	35.62	54	-18.38	-	-	-	-	66	153	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



RADIATED EMISSIONS

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T663 (dBm)	Amp/Cbl/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Unit Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3.42124	48.1	PK-U	32.8	-42.3	38.6	-	-	-	-	68.2	-29.6	336	166	H
2.56352	52.99	PK-U	32.7	-44.4	41.29	-	-	-	-	68.2	-26.91	277	143	V
*11.39886	55.23	PK-U	38.1	-36.2	57.13	-	-	74	-16.87	-	-	198	231	H
*11.3989	42.7	ADR	38.1	-36.2	44.6	54	-9.4	-	-	-	-	198	231	H
17.11804	43.21	PK-U	41.6	-33.1	51.71	-	-	-	-	68.2	-16.49	225	346	H
*11.39903	61.76	PK-U	38.1	-36.2	63.66	-	-	74	-10.34	-	-	284	96	V
*11.4013	49.79	ADR	38.1	-36.2	51.69	54	-2.31	-	-	-	-	284	96	V
17.10609	48.65	PK-U	41.6	-33.2	57.05	-	-	-	-	68.2	-11.15	360	96	V

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

PK-U - U-NII: Maximum Peak

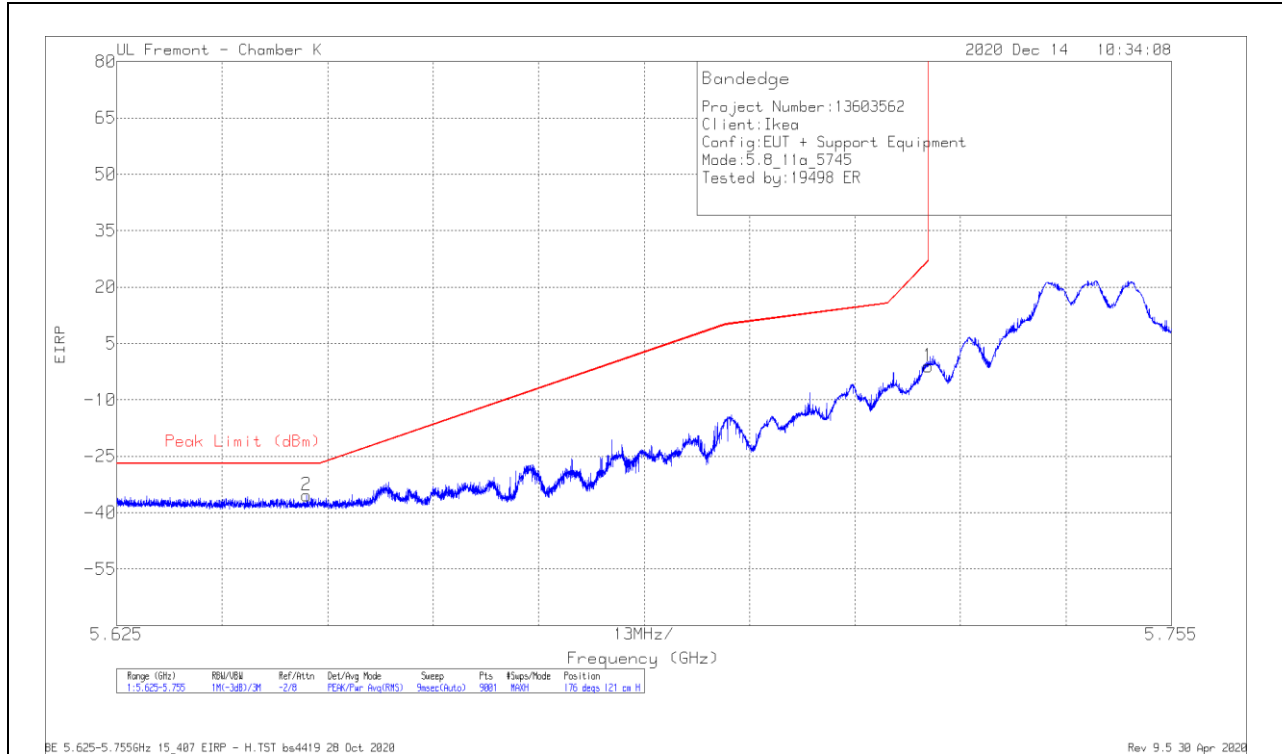
ADR - U-NII AD primary method, RMS average

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

2TX Antenna 1 + Antenna 2 CDD MODE

BANDEDGE (LOW CHANNEL)

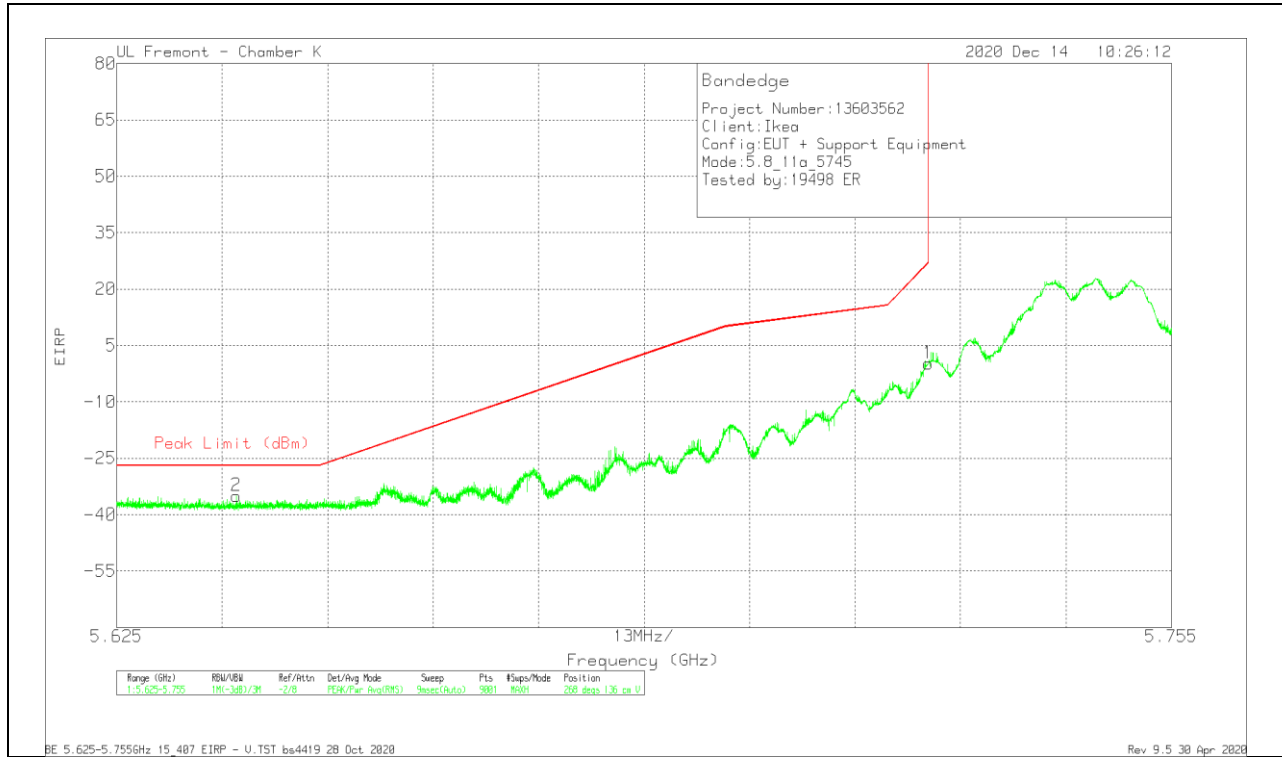
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T863 (dBm)	Amp/Cbl/Filtr/Pa d (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-41.14	Pk	35.1	-6.8	11.8	-1.04	26.99	-28.03	176	121	H
2	5.64843	-75.63	Pk	35.3	-6.8	11.8	-35.33	-27	-8.33	176	121	H

Pk - Peak detector

VERTICAL RESULT

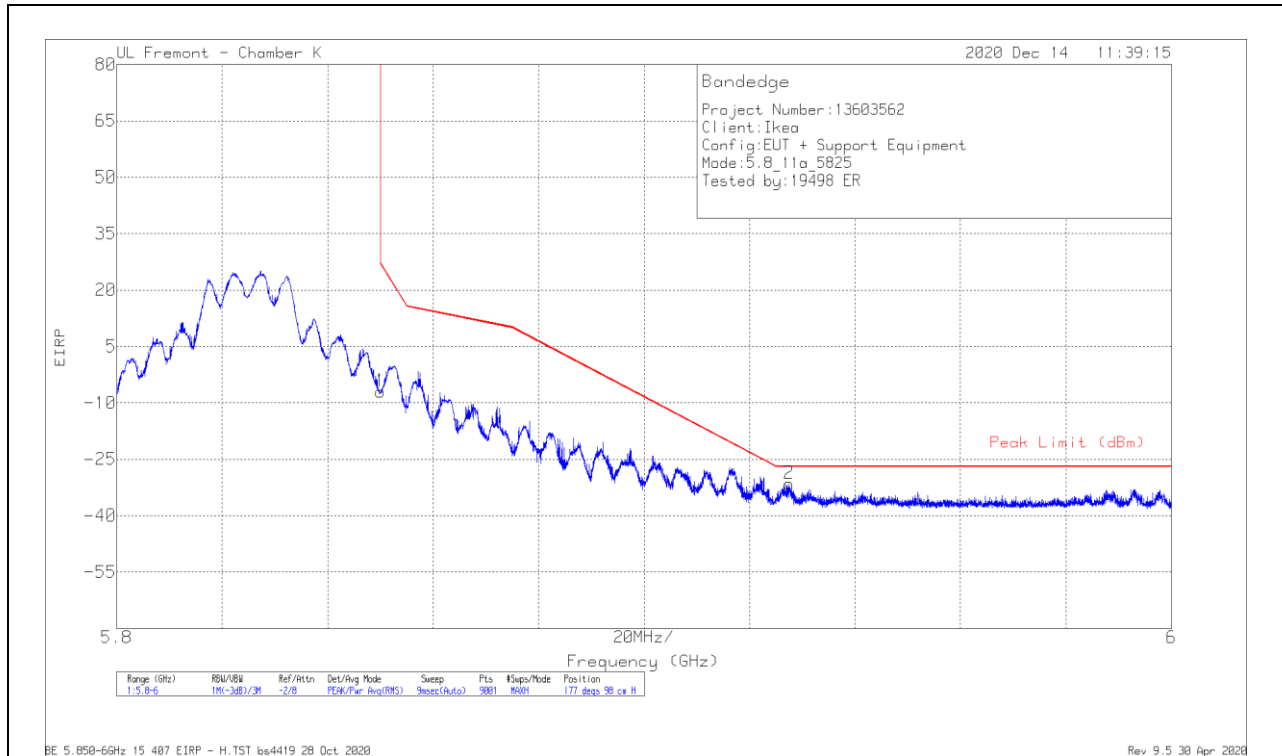


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T863 (dB/m)	Amp/Cbl/Ftr/Pa d (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-39.98	Pk	35.1	-6.8	11.8	-12	26.99	-26.87	268	136	V
2	5.63975	-75.35	Pk	35.3	-6.8	11.8	-35.05	-27	-8.05	268	136	V

Pk - Peak detector

BANDEDGE (HIGH CHANNEL)

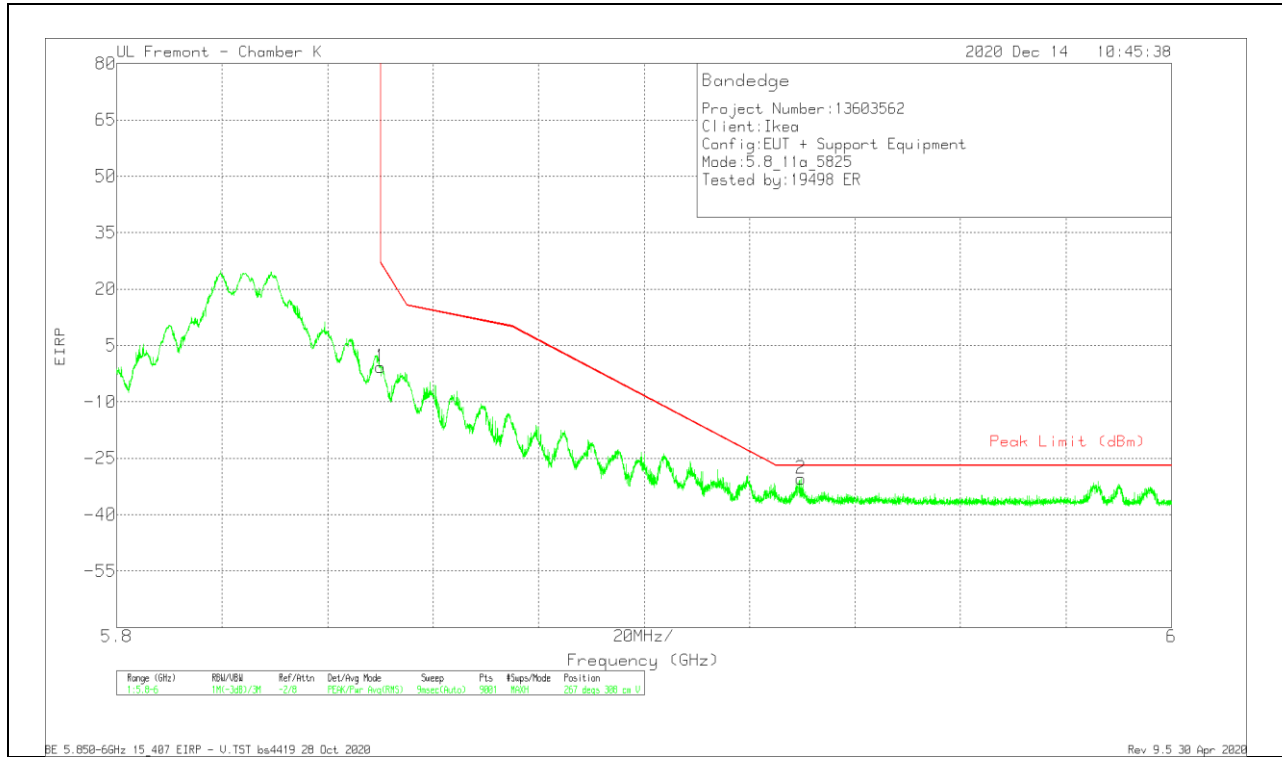
HORIZONTAL RESULT



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	5.85002	-47.33	Pk	35.1	-6.5	11.8	-6.93	26.95	-33.88	177	98	H
2	5.92755	-72.18	Pk	35.3	-6.4	11.8	-31.48	-27	-4.48	177	98	H

Pk - Peak detector

VERTICAL RESULT

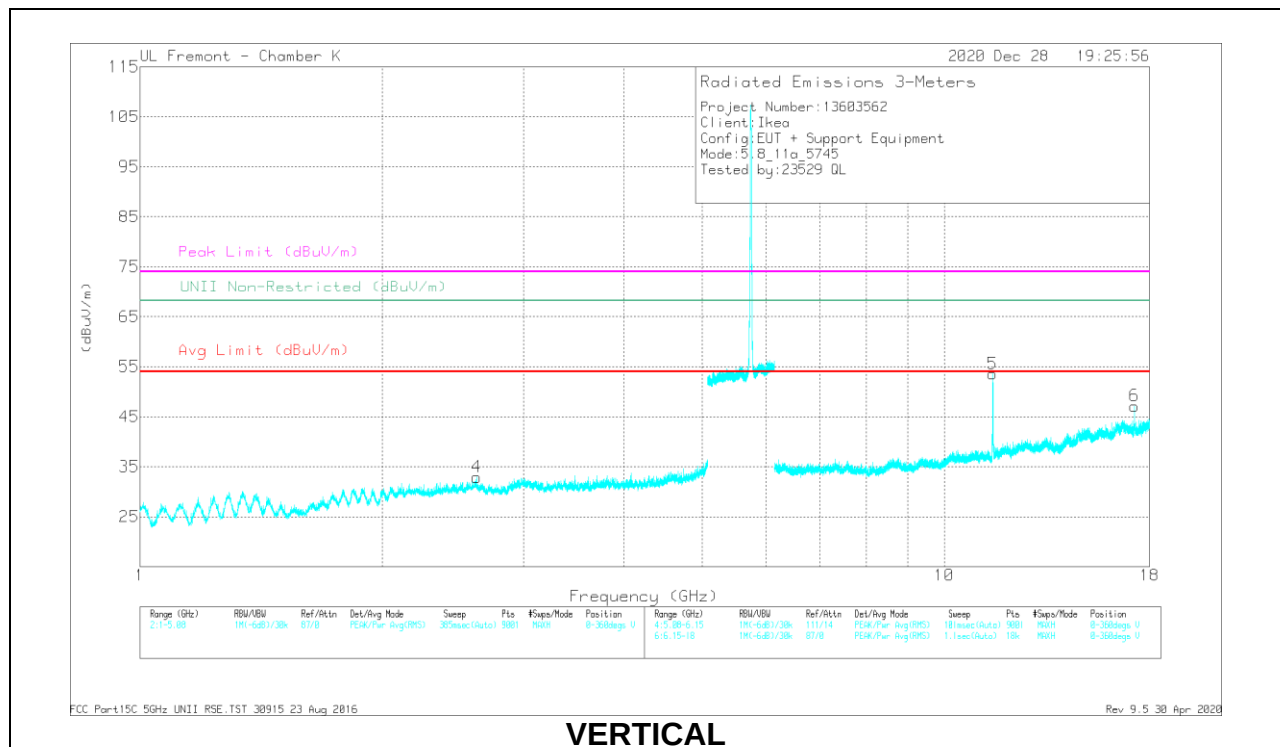
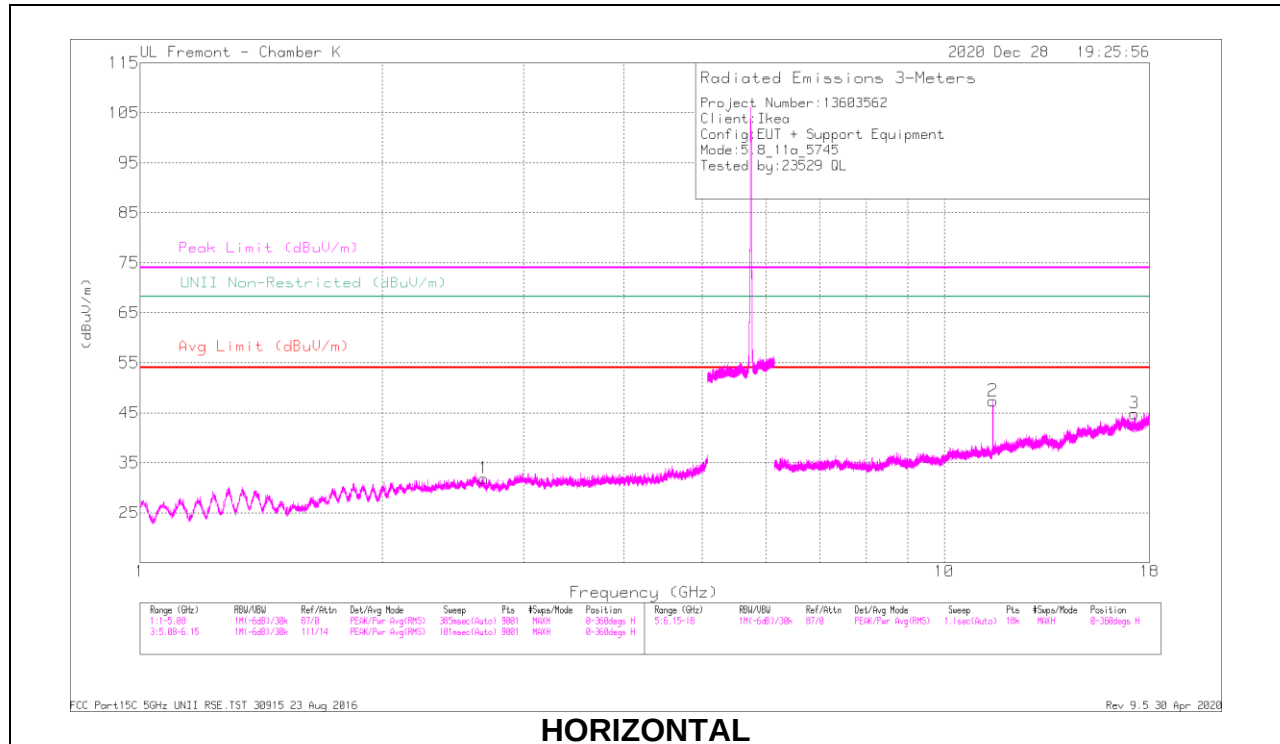


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T863 (dB/m)	Amp/Cbl/Ftr/Pa d (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85002	-41.05	Pk	35.1	-6.5	11.8	-65	26.95	-27.6	267	308	V
2	5.9298	-71.3	Pk	35.4	-6.4	11.8	-30.5	-27	-3.5	267	308	V

Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS

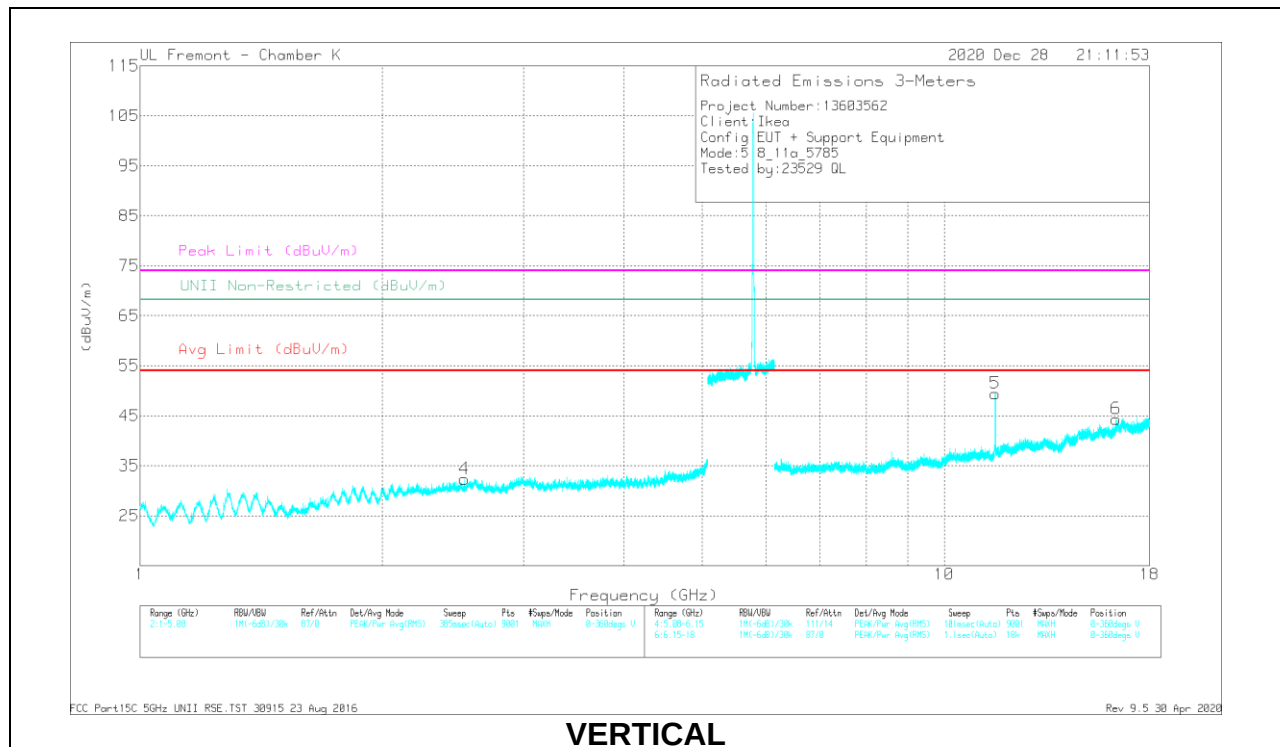
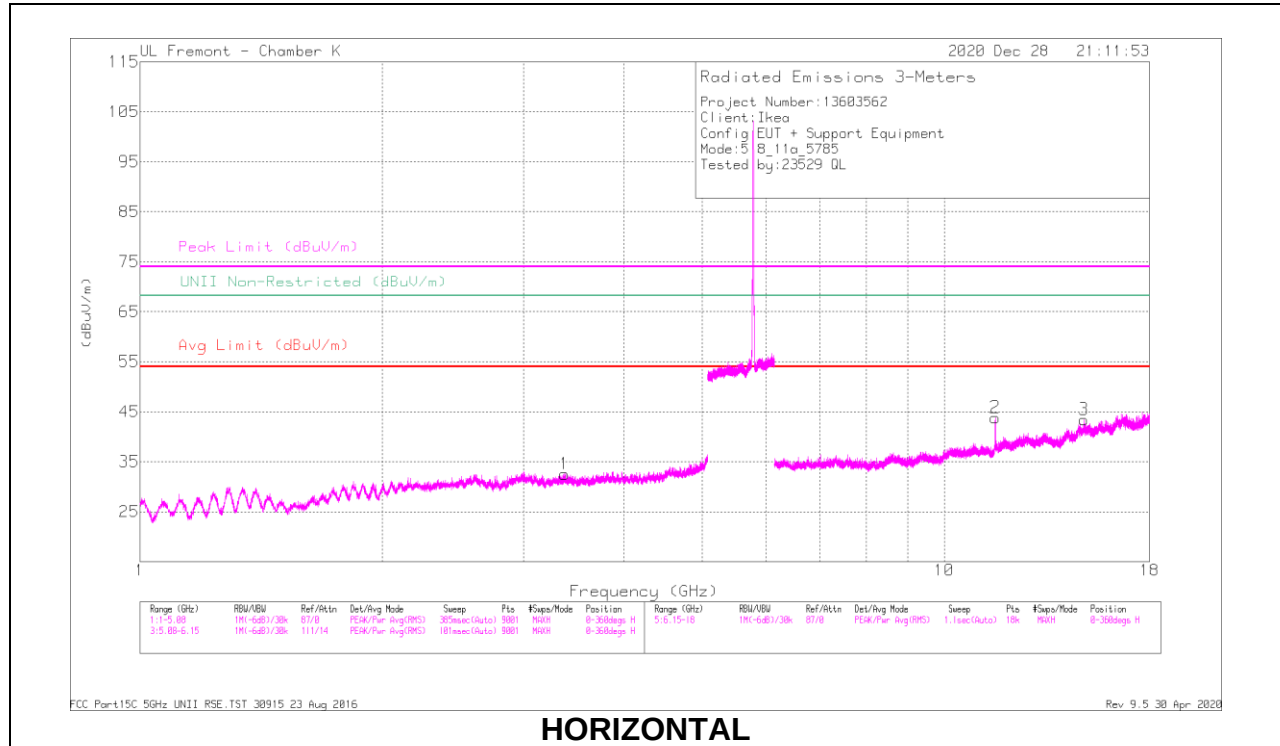


RADIATED EMISSIONS

Frequency (MHz)	Meas Reading (dBm)	Det	AF YB2 (dBm)	Amp/Cat/Unfiltd (dB)	DC Corr (dB)	Corrected Reading (dBm)	Avg Limit (dBm)	Margin (dB)	Peak Limit (dBm)	PK Margin (dB)	Unfiltd Non-Restricted (dBm)	PK Margin (dB)	Altitude (Feet)	Height (m)	Polarity
* 2.67473	49.75	PK-U	32.4	-43.9	0	38.25	-	-	74	-35.65	-	-	251	370	H
* 2.67303	39.28	ADR	32.4	-43.7	.61	28.59	54	-25.41	-	-	-	-	251	370	H
2.62136	50.31	PK-U	32.7	-43.9	0	39.11	-	-	-	-	68.2	-29.09	166	288	V
*11.4826	56.46	PK-U	38.2	-36.5	0	58.16	-	-	74	-15.84	-	-	14	131	H
*11.48757	43.79	ADR	39.2	-36.5	.61	46.1	54	-7.9	-	-	-	-	14	131	H
17.23313	43.8	PK-U	41.5	-32.7	0	52.6	-	-	-	-	68.2	-15.6	65	110	H
*11.49191	50.04	ADR	38.2	-36.4	.61	52.45	54	-1.55	-	-	-	-	67	195	V
*11.48753	58.78	PK-U	38.2	-36.5	0	60.48	-	-	74	-13.52	-	-	67	195	V
17.22967	48.91	PK-U	41.6	-32.7	0	57.61	-	-	-	-	68.2	-10.39	352	102	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



RADIATED EMISSIONS

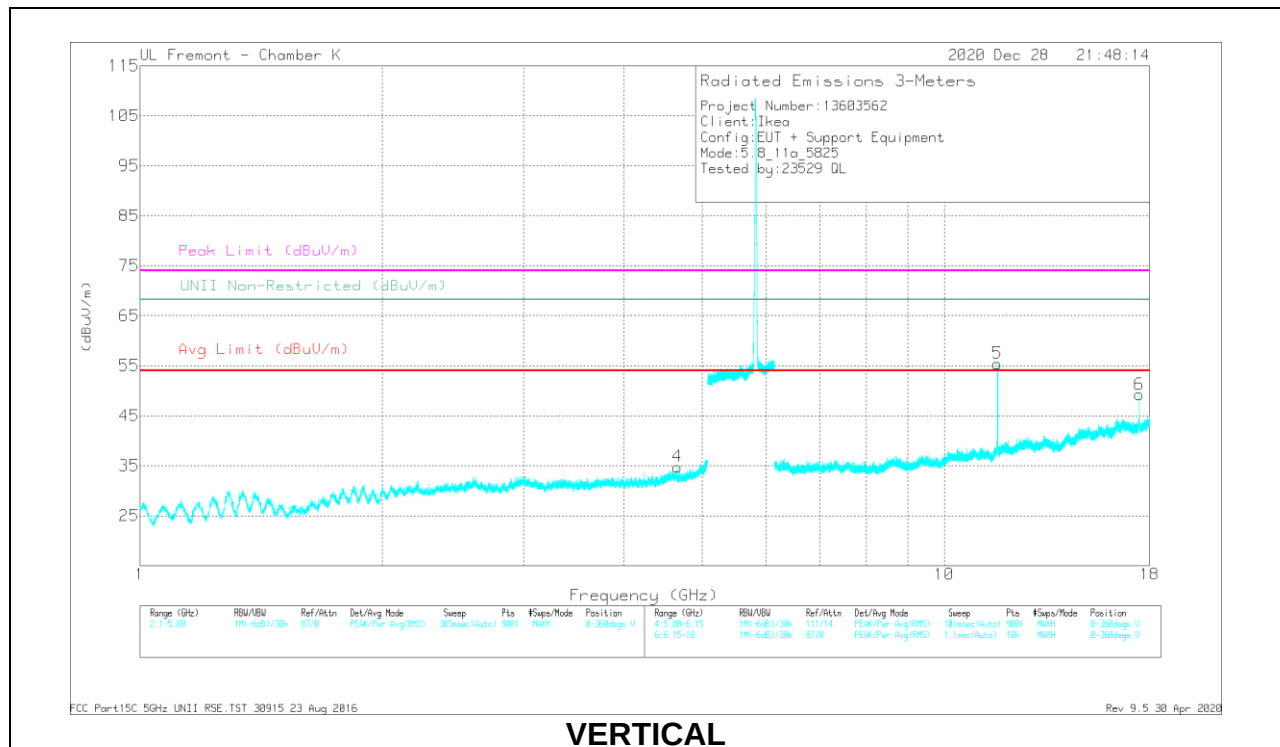
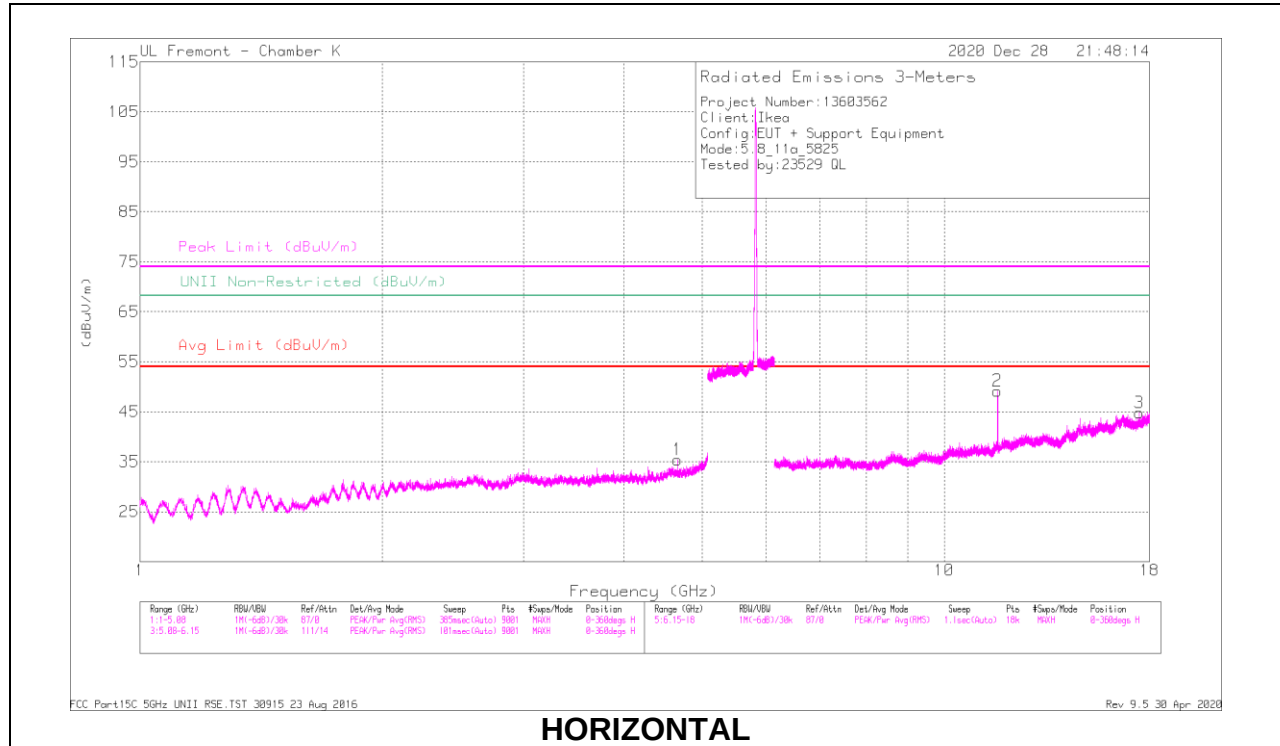
Frequency (MHz)	Meas Reading (dBm/Hz)	Det	AF YB3 (dBm)	Amp/Cat/Ref (dB)	DC Corr (dB)	Corrected Reading (dBm/Hz)	Avg Limit (dBm/Hz)	Margin (dB)	Peak Limit (dBm/Hz)	PK Margin (dB)	Limit Non-Restricted (dBm/Hz)	PK Margin (dB)	Altitude (Feet)	Height (m)	Polarity
3.37227	49.19	PK-U	33	-42.4	0	39.79	-	-	-	-	68.2	-28.41	54	170	H
2.53288	51.11	PK-U	32.7	-44.5	0	39.31	-	-	-	-	68.2	-28.89	253	232	V
*11.5684	53.51	PK-U	38.3	-36.2	0	55.61	-	-	74	-18.39	-	-	293	303	H
*11.56784	40.52	ADR	38.3	-36.2	.61	43.23	54	-10.77	-	-	-	-	293	303	H
14.92716	43.45	PK-U	40.6	-34.5	0	49.55	-	-	-	-	68.2	-18.65	3	115	H
*11.5662	60.36	PK-U	38.3	-36.2	0	62.36	-	-	74	-11.64	-	-	91	322	V
*11.57172	49.42	ADR	38.3	-36.2	.61	52.13	54	-1.87	-	-	-	-	91	322	V
16.35692	42.22	PK-U	41.6	-32.4	0	51.42	-	-	-	-	68.2	-16.78	181	100	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



RADIATED EMISSIONS

Frequency (MHz)	Meas Reading (dBuV)	Det	AF YB3 (dBm)	Amp/Cat/Ref'd (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Limit Non-Restricted (dBuV/m)	PK Margin (dB)	Altitude (Feet)	Height (m)	Polarity
* 4.66221	47.51	PK-U	34.4	-50.9	0	41.31	-	-	74	-32.69	-	-	282	118	H
* 4.65961	35.97	ADR	34.4	-41	.61	29.88	54	-24.12	-	-	-	-	282	118	H
* 4.66054	47.57	PK-U	34.4	-50.9	0	41.07	-	-	74	-32.93	-	-	248	98	V
* 4.65825	36.64	ADR	34.4	-41	.61	30.65	54	-23.35	-	-	-	-	248	98	V
* 11.65103	52.25	PK-U	39.4	-35.7	0	54.65	-	-	74	-19.05	-	-	14	234	H
* 11.65195	40.52	ADR	38.5	-35.7	.61	43.93	54	-10.07	-	-	-	-	14	234	H
17.49588	42.87	PK-U	42	-32.1	0	52.77	-	-	-	-	68.2	-15.43	332	293	H
* 11.65611	60.46	PK-U	38.5	-35.8	0	63.16	-	-	74	-10.84	-	-	73	97	V
* 11.6514	47.91	ADR	38.5	-35.7	.61	51.32	54	-2.68	-	-	-	-	73	97	V
17.46983	47.31	PK-U	42	-32	0	57.31	-	-	-	-	68.2	-10.89	345	106	V

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

PK-U - U-NII: Maximum Peak

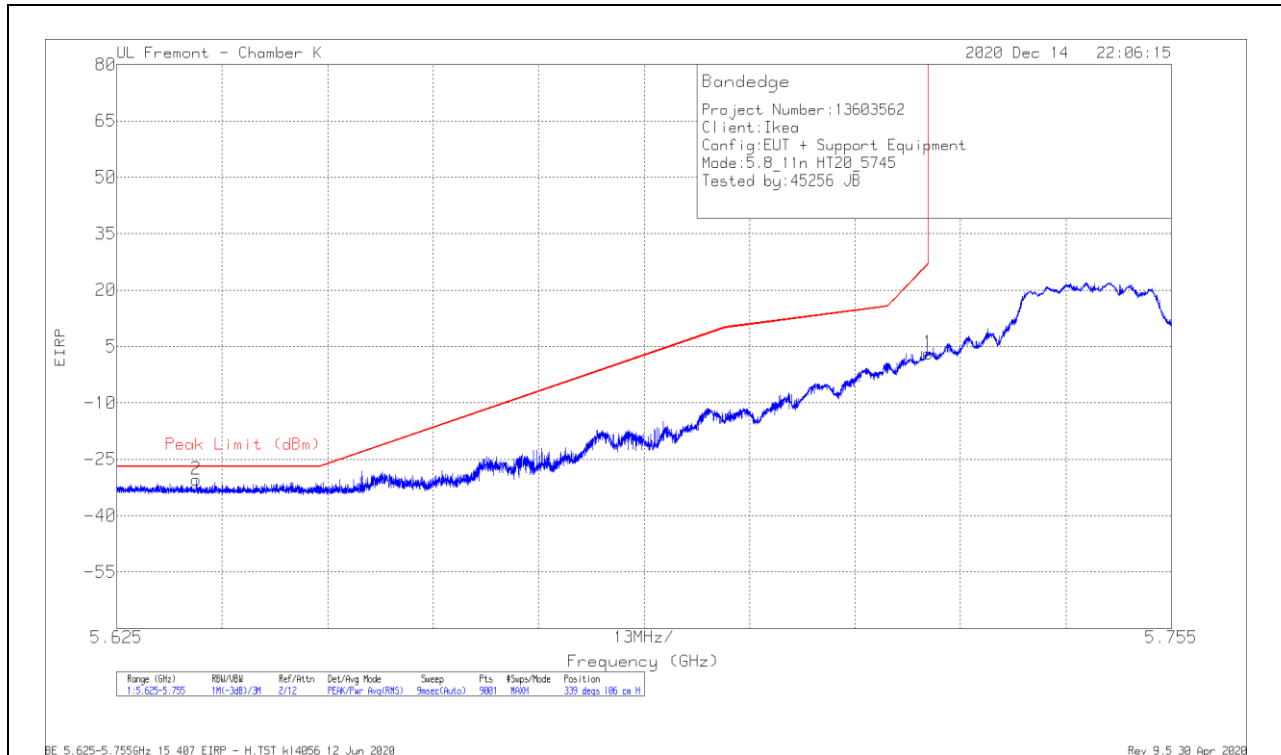
ADR - U-NII AD primary method, RMS average

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

2TX Antenna 1 + Antenna 2 CDD MODE

BANDEDGE (LOW CHANNEL)

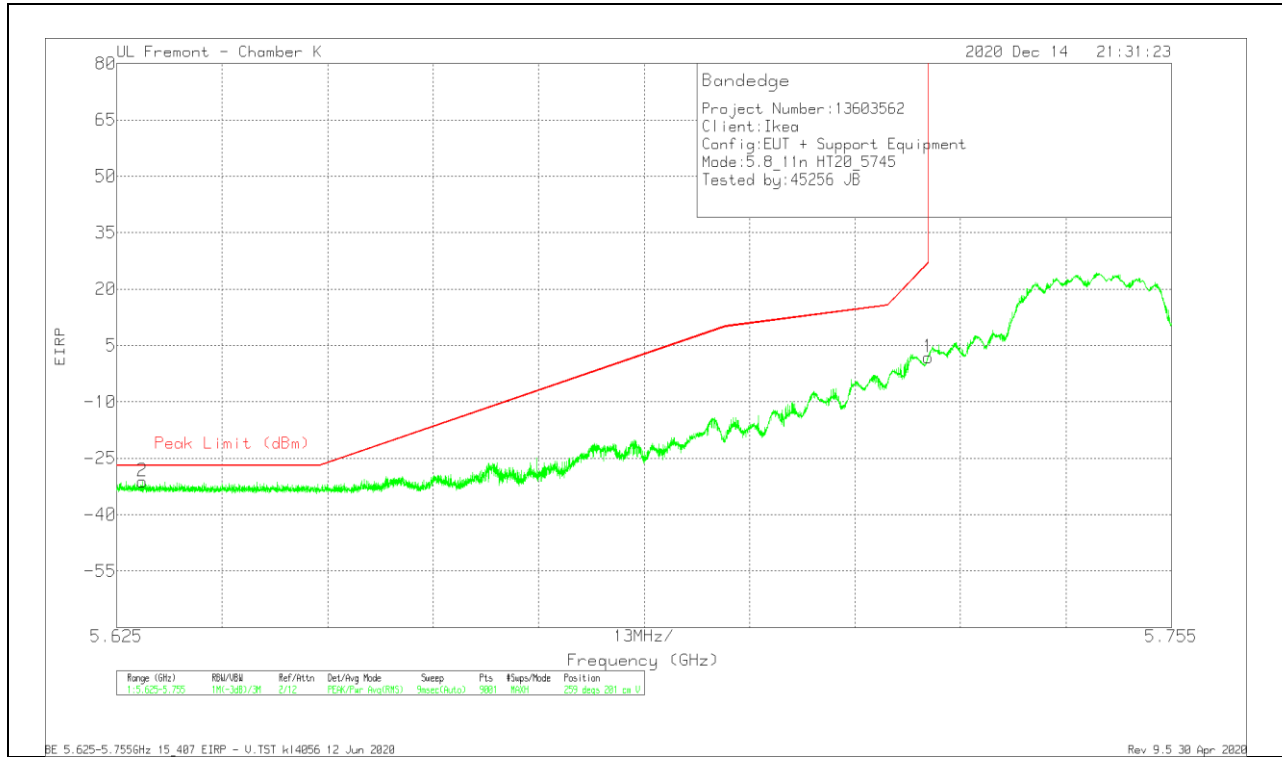
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T863 (dB/m)	Amp/Chl/Filt/PA ad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-36.87	Pk	35.1	-6.8	11.8	0	3.23	26.99	-23.76	339	106	H
2	5.63482	-70.79	Pk	35.3	-6.8	11.8	0	-30.49	-27	-3.49	339	106	H

Pk - Peak detector

VERTICAL RESULT

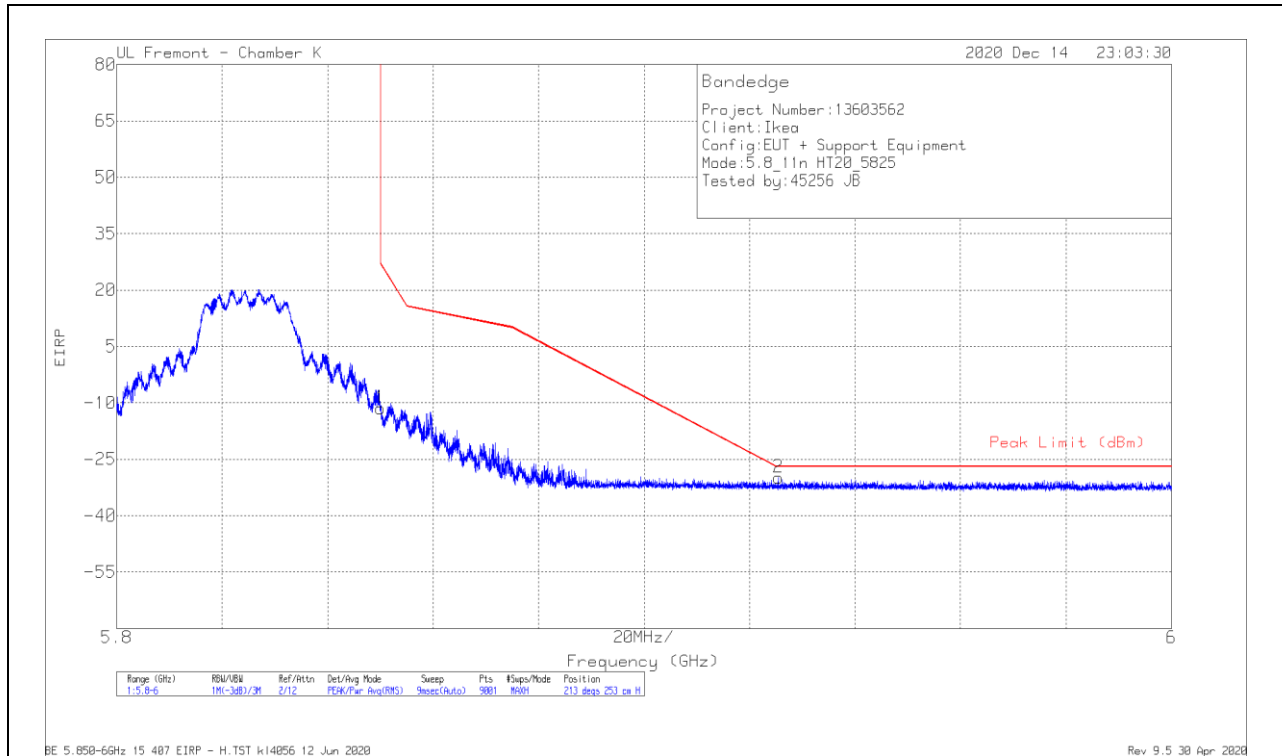


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T863 (dB/m)	Amp/Cbl/Ftr/P ad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-38.22	Pk	35.1	-6.8	11.8	0	1.88	26.99	-25.11	259	201	V
2	5.62815	-71.48	Pk	35.4	-6.9	11.8	0	-31.18	-27	-4.18	259	201	V

Pk - Peak detector

BANDEDGE (HIGH CHANNEL)

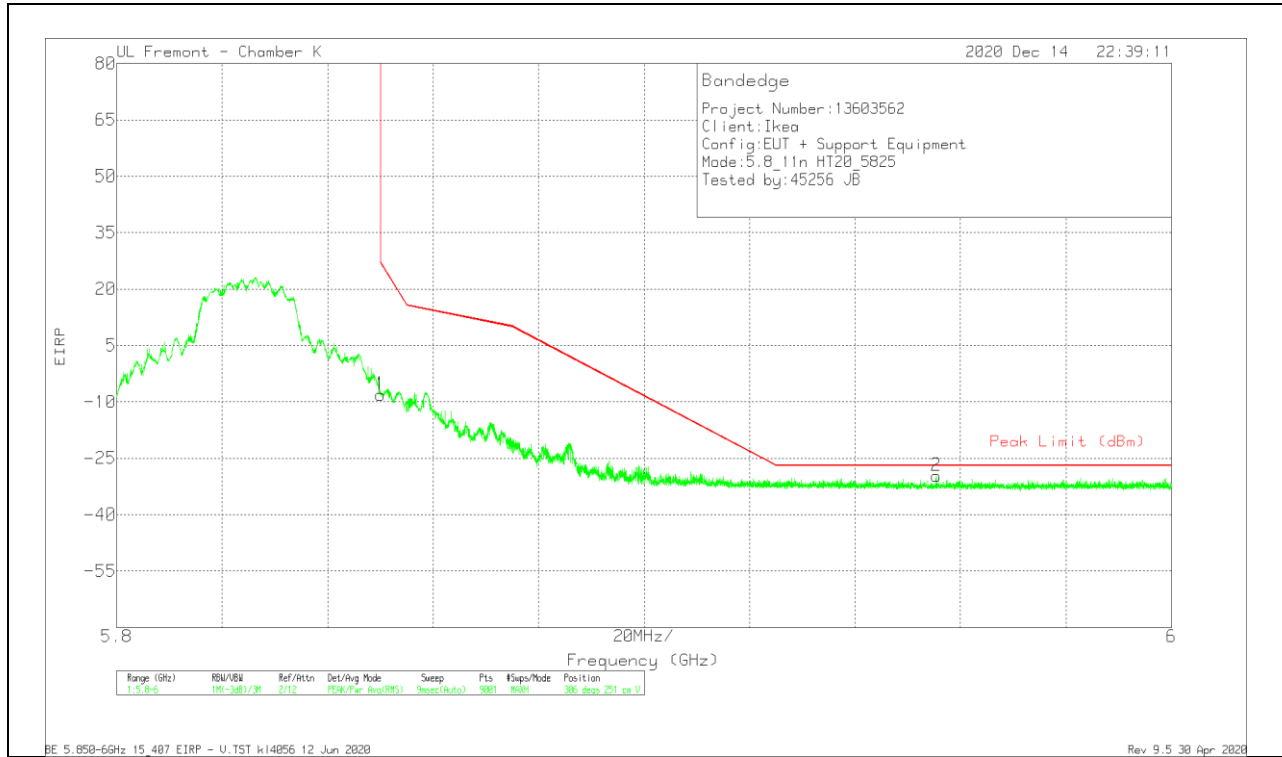
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T863 (dB/m)	Amp/Cbl/Filt/P ad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85002	-51.89	Pk	35.1	-6.5	11.8	0	-11.49	26.95	-38.44	213	253	H
2	5.92547	-70.61	Pk	35.3	-6.4	11.8	0	-29.91	-27	-2.91	213	253	H

Pk - Peak detector

VERTICAL RESULT

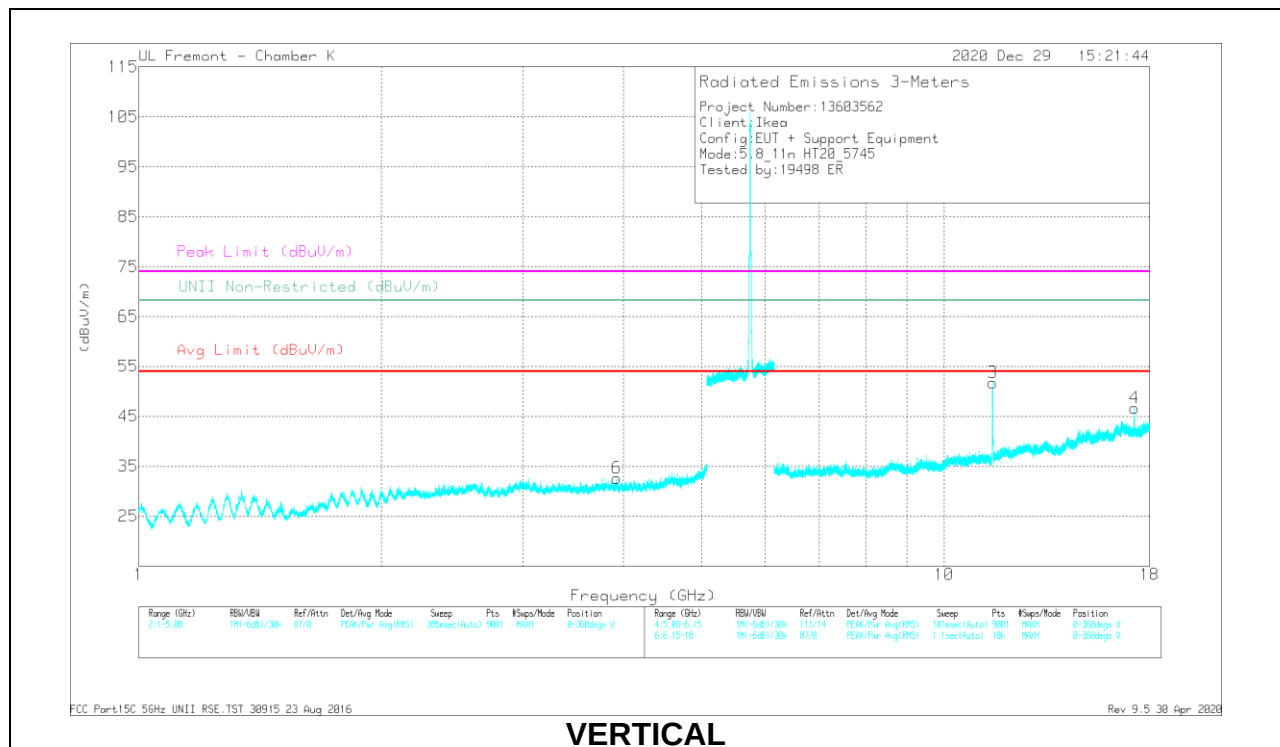
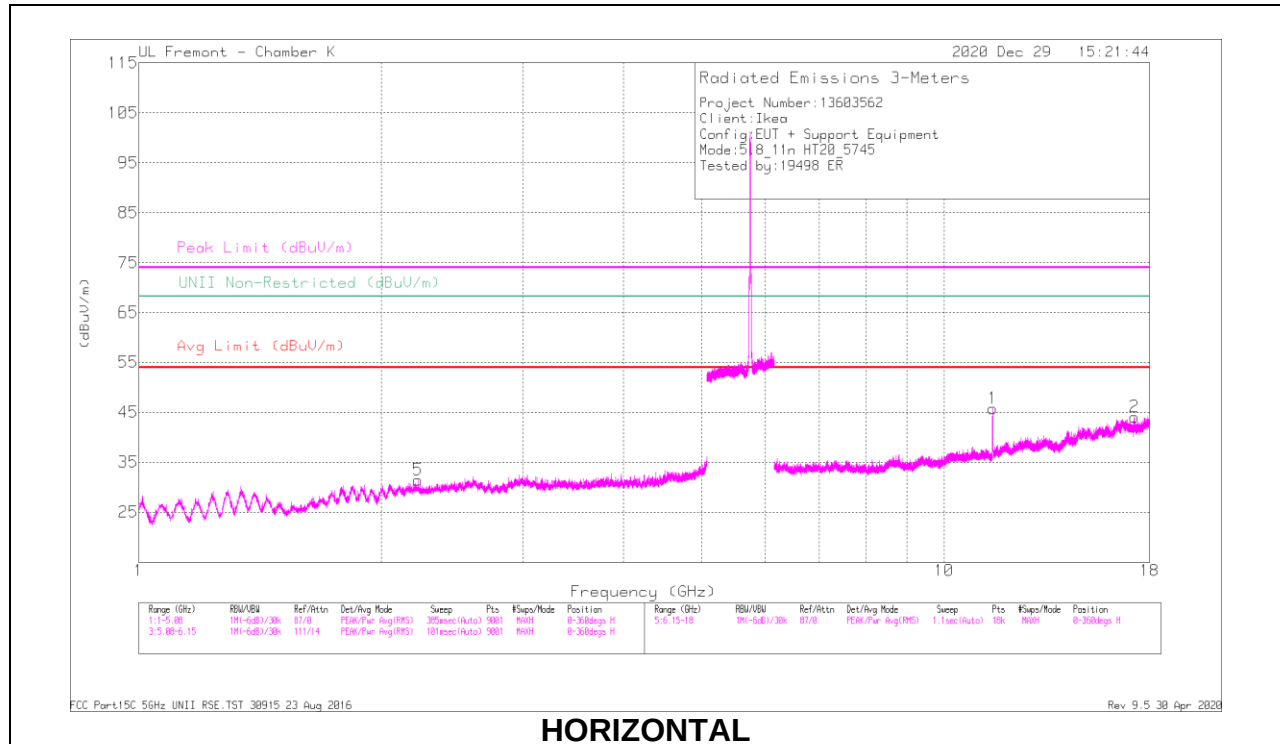


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T863 (dB/m)	Amp/Cbl/Ftr/P ad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85002	-48.47	Pk	35.1	-6.5	11.8	0	-8.07	26.95	-35.02	306	251	V
2	5.95538	-70.55	Pk	35.3	-6.3	11.8	0	-29.75	-27	-2.75	306	251	V

Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

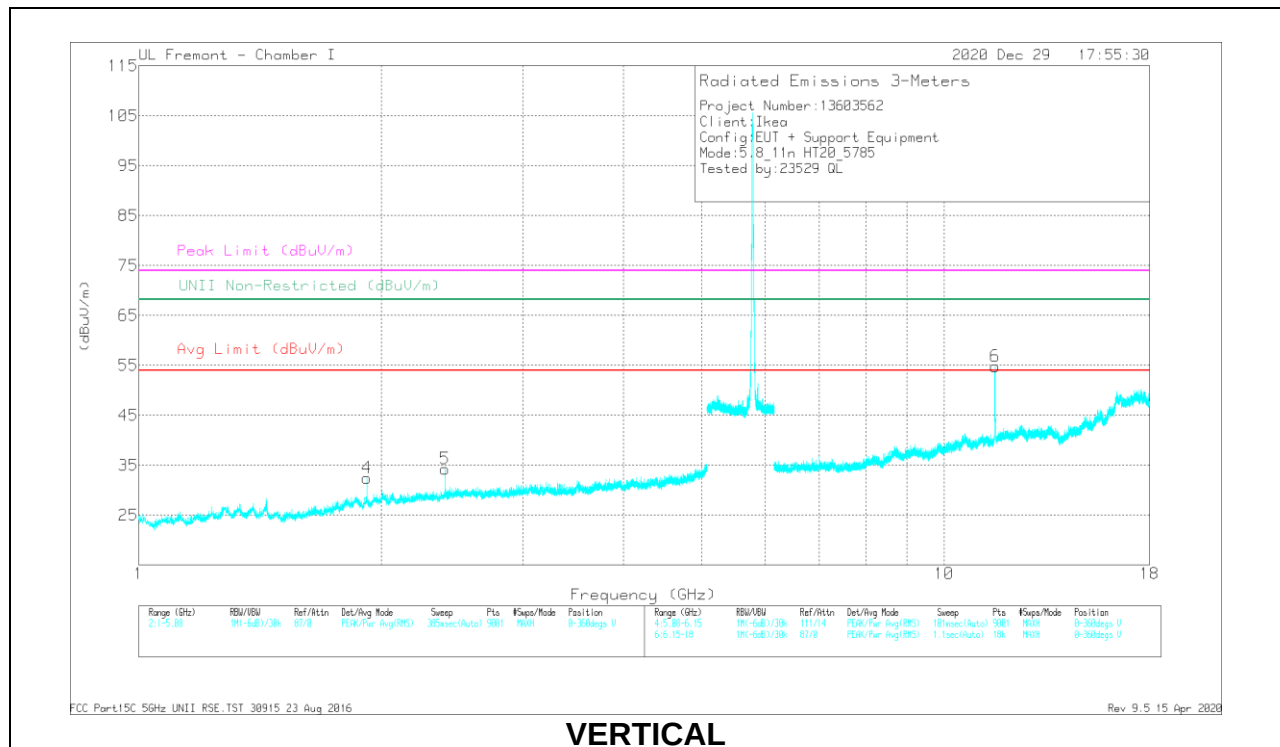
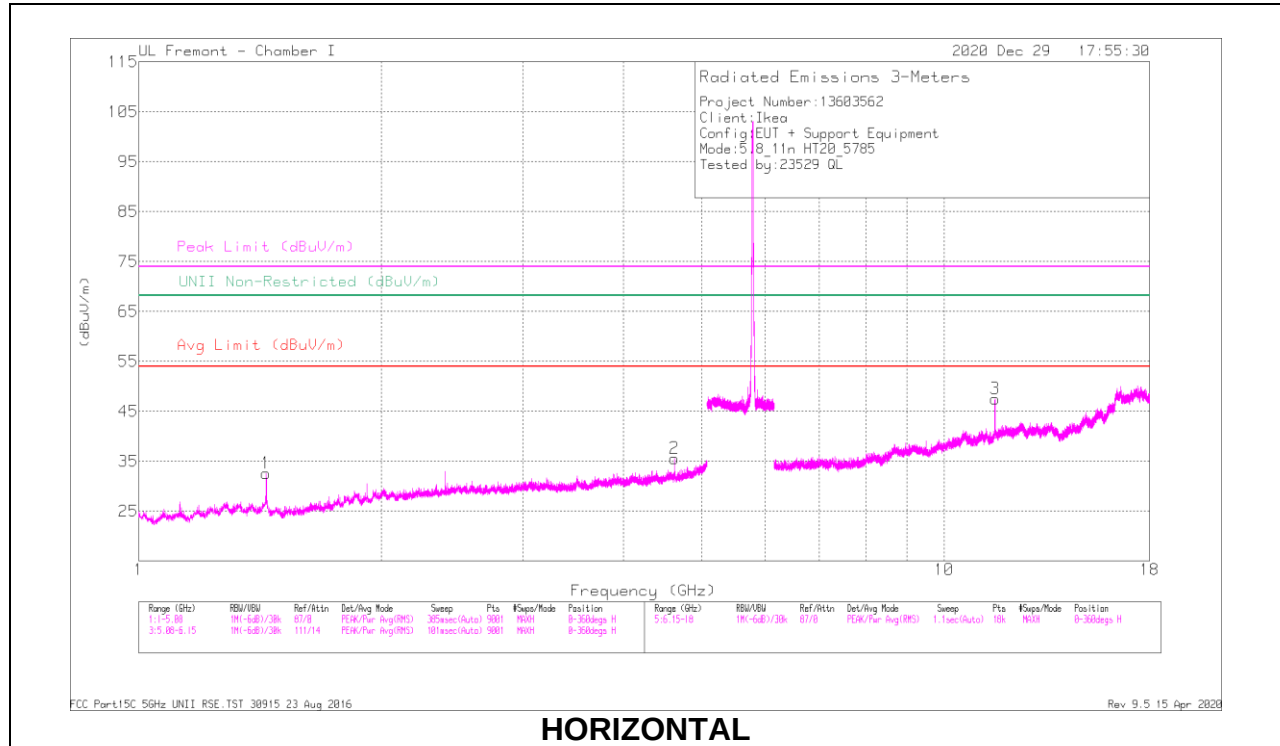
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T663 (dBm)	Amp/Cat/Ref/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (m)	Polarity
* 2.22361	52.8	PK-U	31.9	-45.5	39.2	-	-	74	-34.8	-	-	97	225	H
* 2.22504	41.13	ADR	31.9	-45.5	27.53	54	-26.47	-	-	-	-	97	225	H
* 3.92583	49.93	PK-U	33.6	-41.9	41.63	-	-	74	-32.37	-	-	336	361	V
* 3.91983	38.53	ADR	33.6	-41.9	30.23	54	-23.77	-	-	-	-	336	361	V
* 11.49324	54.47	PK-U	38.2	-36.5	56.17	-	-	74	-17.83	-	-	119	96	H
* 11.49368	42.54	ADR	38.2	-36.4	44.34	54	-9.66	-	-	-	-	119	96	H
17.23092	46.13	PK-U	41.6	-32.7	55.03	-	-	-	-	68.2	-13.17	351	205	H
* 11.49337	60.25	PK-U	38.2	-36.5	61.95	-	-	74	-12.05	-	-	92	97	V
* 11.48841	48.76	ADR	38.2	-36.4	50.56	54	-3.44	-	-	-	-	92	97	V
17.23482	48.3	PK-U	41.5	-32.6	57.2	-	-	-	-	68.2	-11	174	106	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



RADIATED EMISSIONS

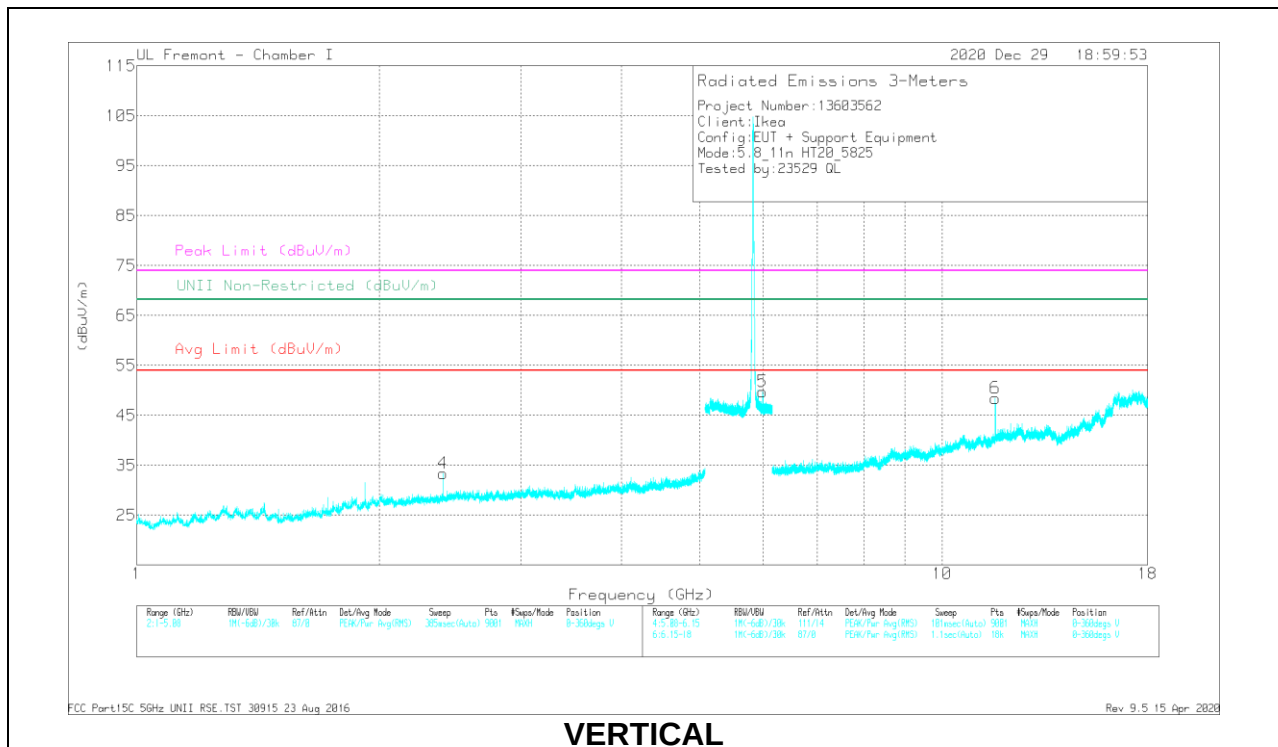
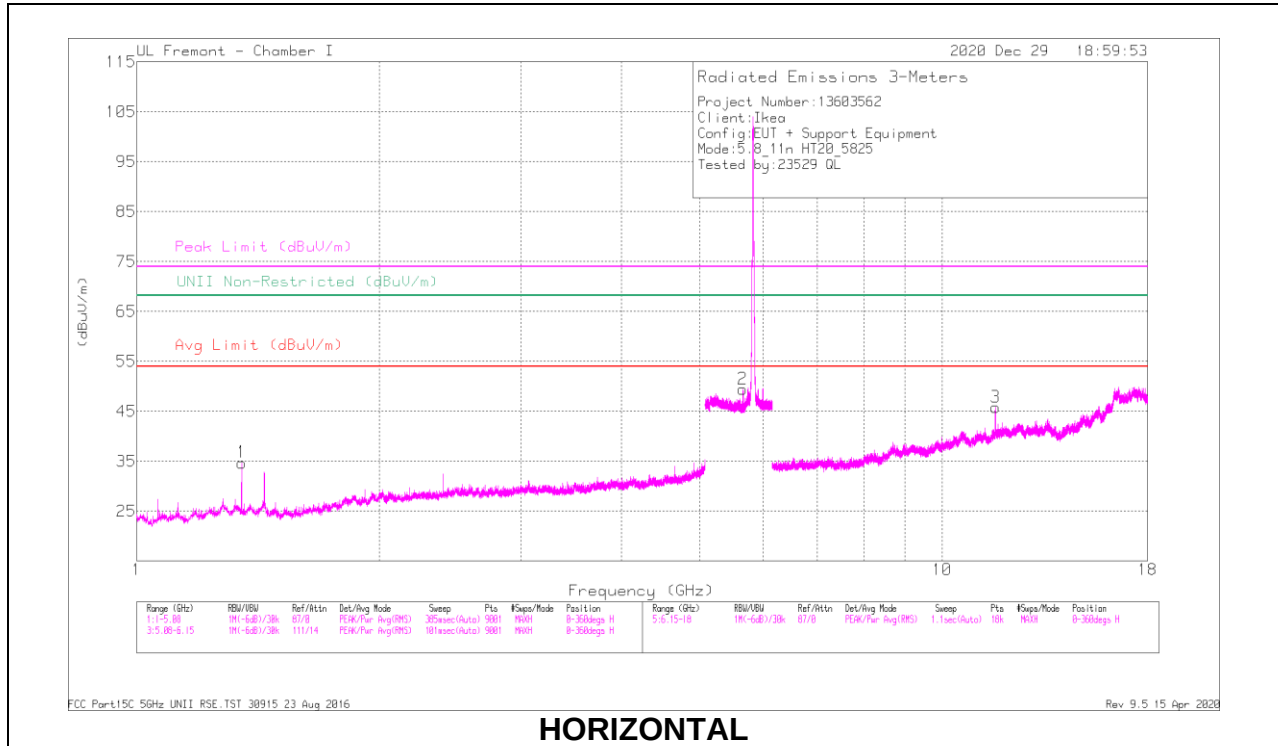
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dBm)	Amp/Cable/InPad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.43963	44.73	PK-U	28.6	-31.9	41.43	-	-	74	-32.57	-	-	22	104	H
* 1.43992	31.49	ADR	28.6	-31.9	28.19	54	-25.81	-	-	-	-	22	104	H
* 4.62813	33.58	PK-U	34.2	-27.6	40.18	-	-	74	-33.82	-	-	167	127	H
* 4.62797	21.88	ADR	34.2	-27.6	28.48	54	-25.52	-	-	-	-	167	127	H
1.92031	38.92	PK-U	30.9	-31.3	38.52	-	-	-	-	68.2	-29.68	351	112	V
2.40214	47.71	PK-U	32.1	-30.4	49.41	-	-	-	-	68.2	-18.79	319	241	V
* 11.56792	37.66	PK-U	38.2	-17.1	58.76	-	-	74	-15.24	-	-	2	260	H
* 11.568	25.17	ADR	38.2	-17.1	46.27	54	-7.73	-	-	-	-	2	260	H
* 11.56814	43.28	PK-U	38.2	-17.1	64.38	-	-	74	-9.62	-	-	246	117	V
* 11.57338	30.42	ADR	38.2	-17.1	51.52	54	-2.48	-	-	-	-	246	117	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



RADIATED EMISSIONS

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dBm)	Amp/Cable/InPad (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
* 1.35088	37.44	PK-U	28.9	-32.1	34.24	-	-	74	-39.76	-	-	137	339	H
* 1.3502	26.12	ADR	28.9	-32.1	22.92	54	-31.08	-	-	-	-	137	339	H
2.40221	49.73	PK-U	32.1	-30.4	51.43	-	-	-	-	68.2	-16.77	137	350	V
5.65833	30.94	PK-U	34.8	-14	51.74	-	-	-	-	68.2	-16.46	52	251	H
5.98893	33.54	PK-U	35.3	-14.5	54.34	-	-	-	-	68.2	-13.86	186	133	V
* 11.64873	37.54	PK-U	38.3	-17.5	58.34	-	-	74	-15.66	-	-	342	267	H
* 11.65216	18.88	ADR	38.3	-17.5	39.68	54	-14.32	-	-	-	-	342	267	H
* 11.64802	44.01	PK-U	38.3	-17.5	64.81	-	-	74	-9.19	-	-	251	104	V
* 11.64802	31.5	ADR	38.3	-17.5	52.3	54	-1.7	-	-	-	-	251	104	V

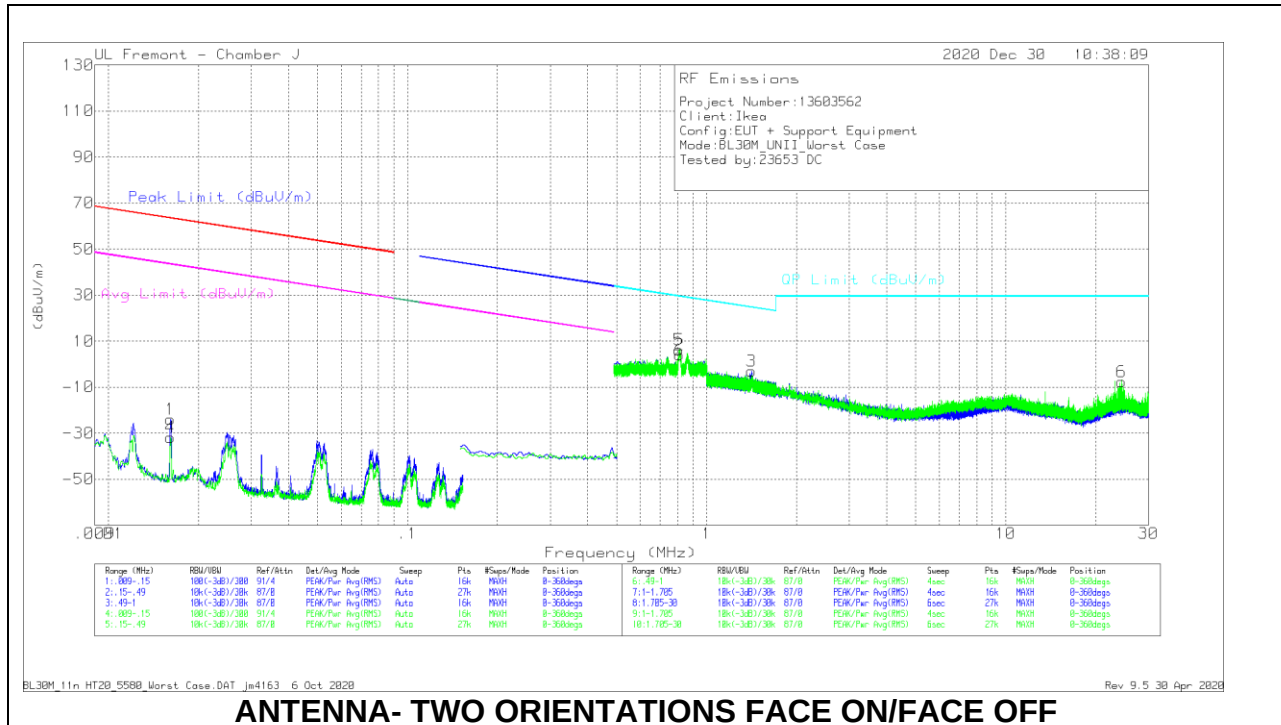
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

11.2. WORST CASE BELOW 30MHZ

SPURIOUS EMISSIONS BELOW 30 MHz (WORST-CASE CONFIGURATION)



ANTENNA- TWO ORIENTATIONS FACE ON/FACE OFF

Below 30MHz Data

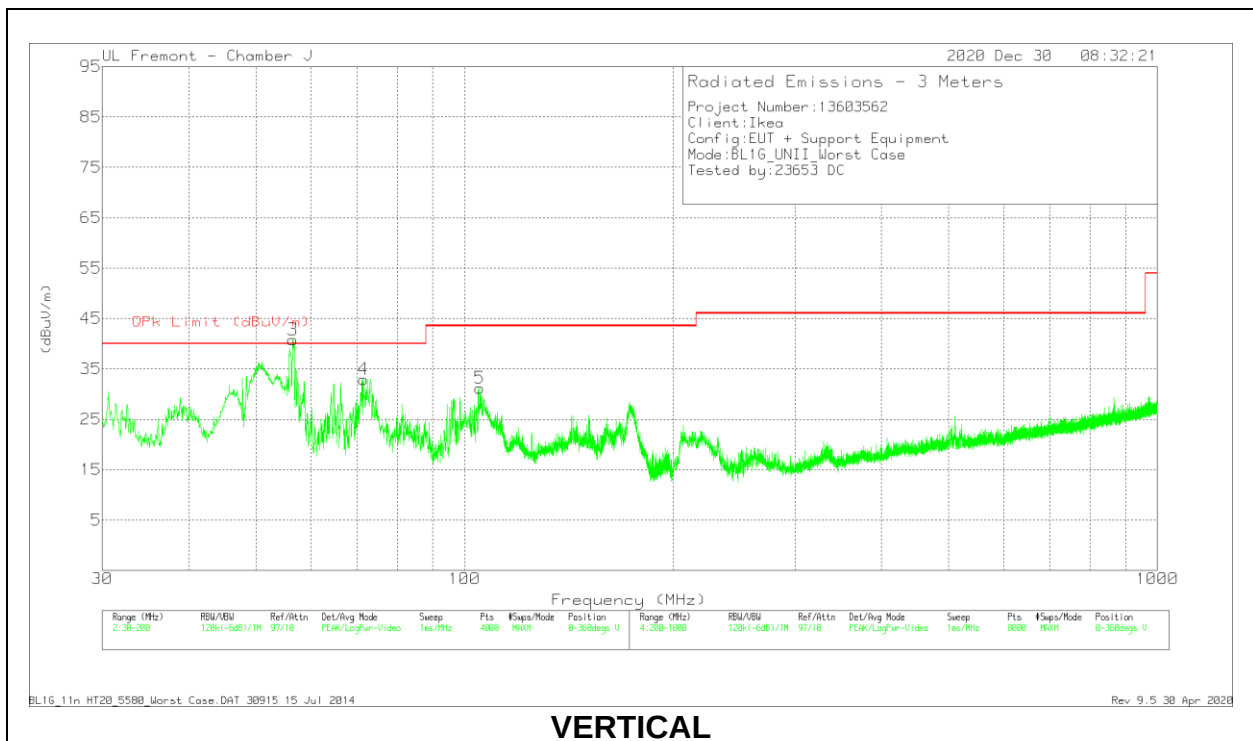
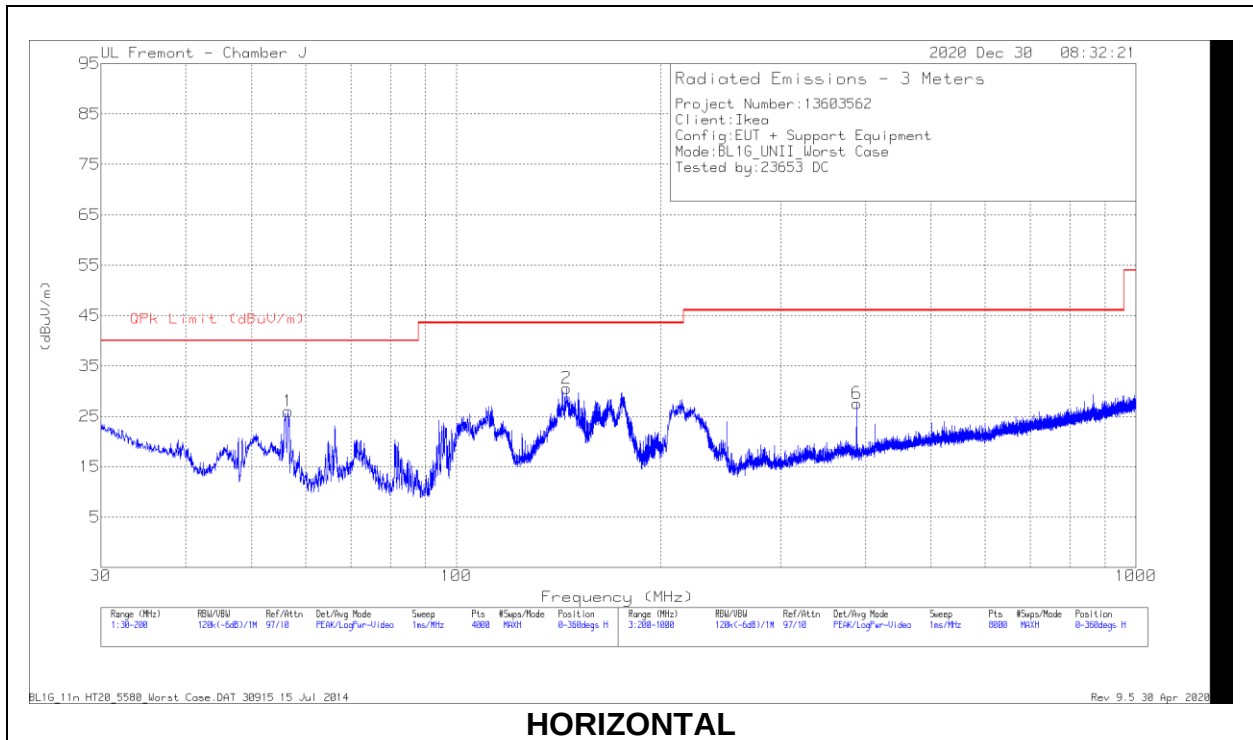
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (E ACF)	Amp/Cbl (dB)	Dist Corr 300m	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
1	.01614	25.28	Pk	59.3	-28.5	-80	-23.92	63.43	-87.35	43.43	-67.35	0-360
4	.01614	17.4	Pk	59.3	-28.5	-80	-31.8	63.43	-95.23	43.43	-75.23	0-360

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (E ACF)	Amp/Cbl (dB)	Dist Corr 30m (dB) 40Log	Corrected Reading (dBuV/m)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
2	.8112	16.55	Pk	56	-28.5	-40	4.05	29.43	-25.38	0-360
5	.80709	18.77	Pk	56	-28.5	-40	6.27	29.48	-23.21	0-360
3	1.41312	20.61	Pk	44.8	-28.4	-40	-2.99	24.63	-27.62	0-360
6	24.35333	25.88	Pk	34.1	-27.7	-40	-7.72	29.5	-37.22	0-360

Pk - Peak detector

NOTE: The limits in CFR 47, Part 15, Subpart C, paragraph 15.209(a), are identical to those in RSS-Gen section 8.9, Table 6, since the measurements are performed in terms of magnetic field strength and converted to electric field strength levels (as reported in the table), using the free space impedance of 377 Ohms. For example the measurement at frequency X kHz resulted in a level of Y dBuV/m, which is equivalent to $Y - 51.5 = Z$ dBuA/m, which has the same margin, W dB, to the corresponding RSS-Gen Table 6 limit as it has to 15.209(a) limit.

11.3. WORST CASE BELOW 1 GHZ

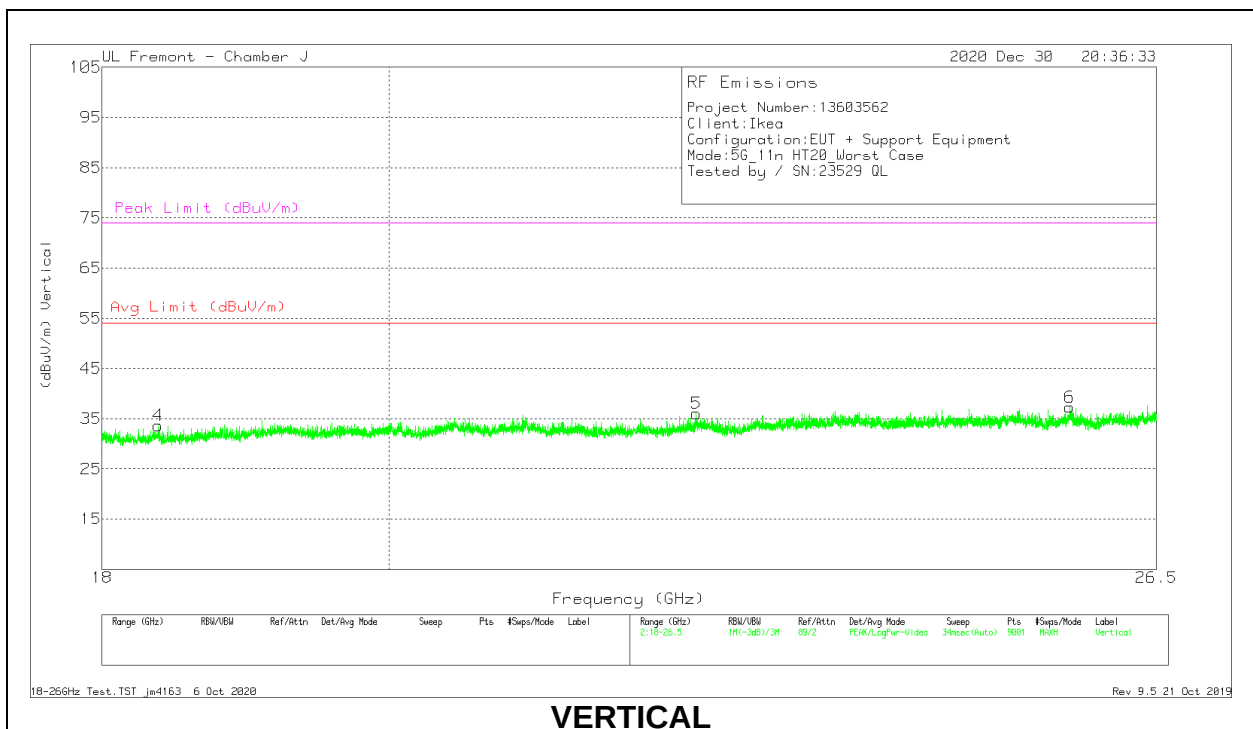
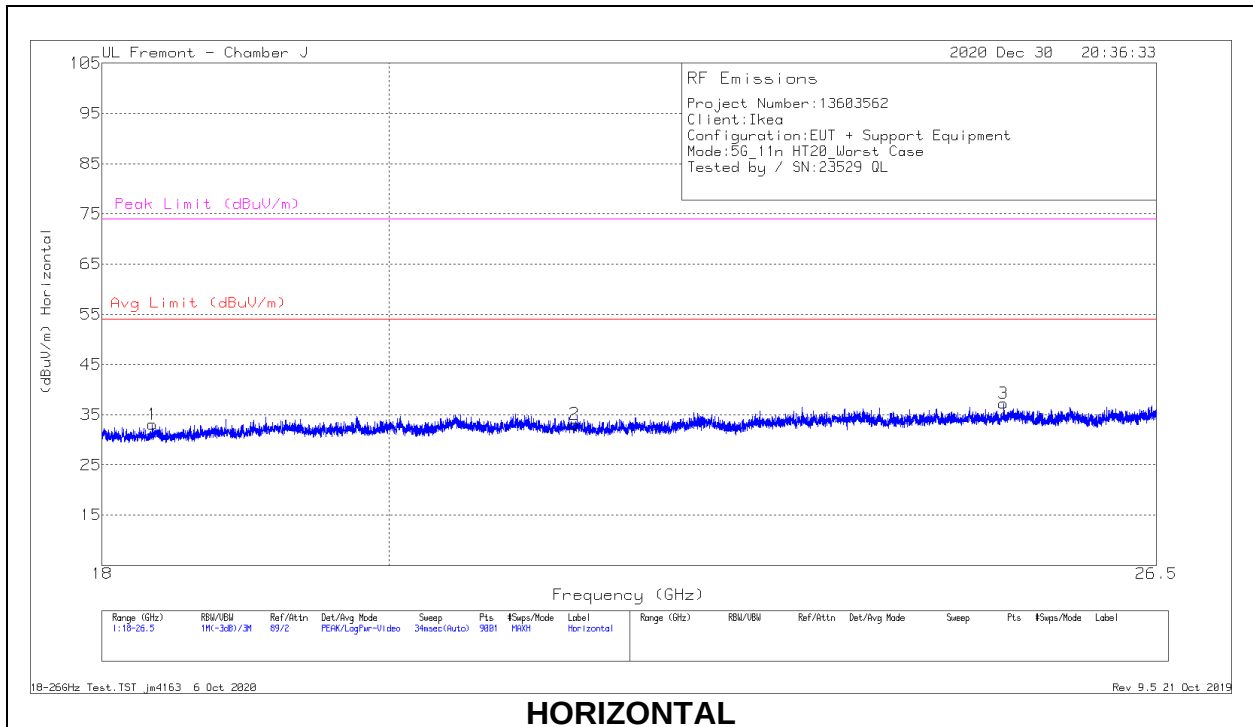


Below 1GHz DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T900 (dB/m)	Amp Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	56.5269	44.31	Pk	13	-31.3	26.01	40	-13.99	0-360	293	H
2	145.2048	42.47	Pk	18.8	-30.7	30.57	43.52	-12.95	0-360	196	H
3	56.5269	59.07	Pk	13	-31.3	40.77	40	.77	0-360	100	V
	56.5369	55.77	Qp	13	-31.3	37.47	40	-2.53	271	103	V
4	71.4482	50.14	Pk	14	-31.2	32.94	40	-7.06	0-360	100	V
5	105.287	44.79	Pk	17.3	-30.9	31.19	43.52	-12.33	0-360	100	V
6	388.2245	36.27	Pk	21	-29.7	27.57	46.02	-18.45	0-360	100	H

Pk - Peak detector
Qp - Quasi-Peak detector

11.4. WORST CASE 18-26 GHZ

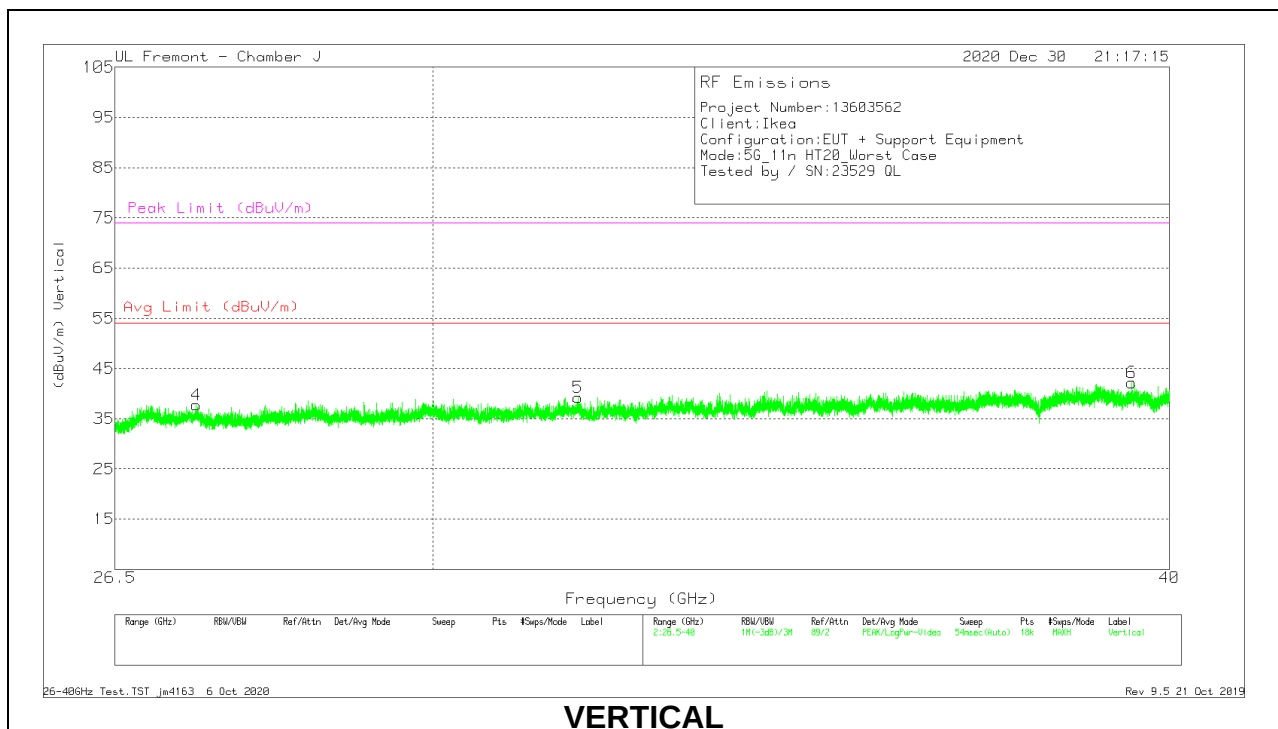
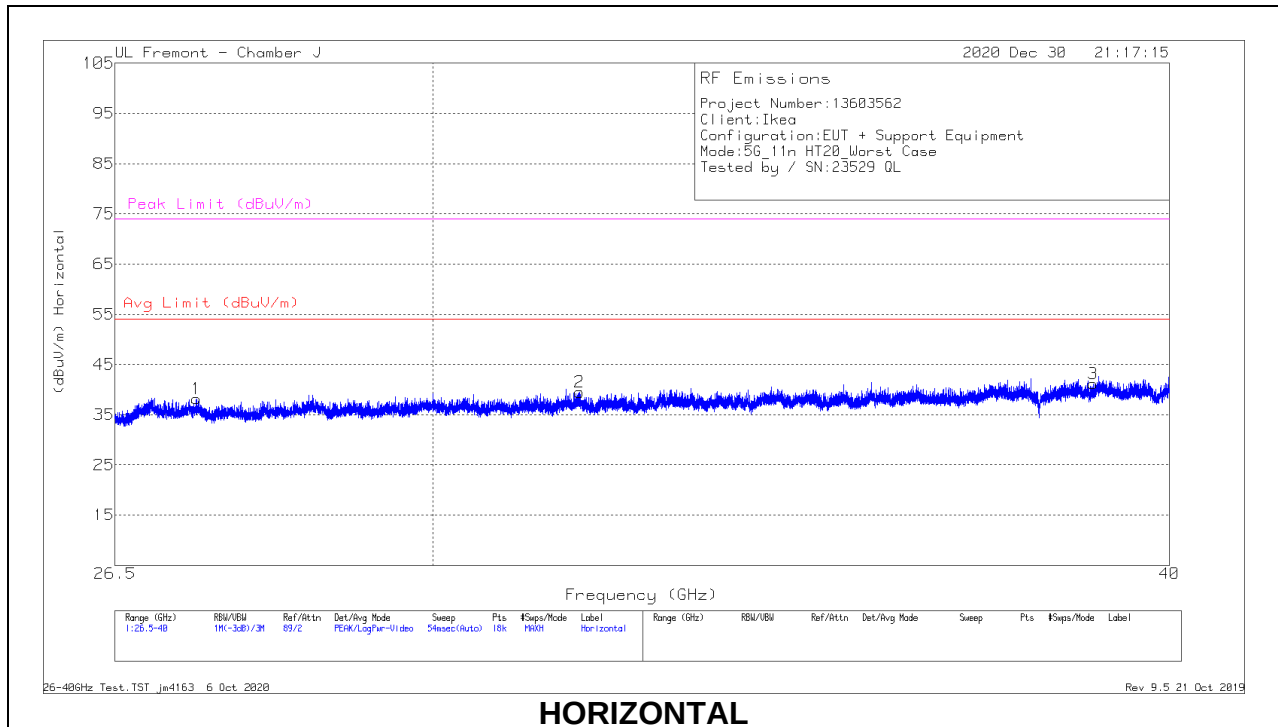


18 – 26GHz DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	T447 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)
1	18.33528	69.79	Pk	32.3	-59.5	-9.5	33.09	54	-20.91	74	-40.91
2	21.40472	66.43	Pk	33.2	-57	-9.5	33.13	54	-20.87	74	-40.87
3	25.05311	67.26	Pk	34.6	-55.1	-9.5	37.26	54	-16.74	74	-36.74
4	18.37494	70.2	Pk	32.3	-59.4	-9.5	33.6	54	-20.4	74	-40.4
5	22.38411	69.54	Pk	33.6	-57.6	-9.5	36.04	54	-17.96	74	-37.96
6	25.67077	67.2	Pk	34.4	-54.8	-9.5	37.3	54	-16.7	74	-36.7

Pk - Peak detector

11.5. WORST CASE 26-40 GHZ



26 – 40GHz DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	T446 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)
1	27.3565	67.26	Pk	36.3	-55.9	-9.5	38.16	54	-15.84	74	-35.84
2	31.7695	65.25	Pk	37.1	-53.4	-9.5	39.45	54	-14.55	74	-34.55
3	38.82475	66.78	Pk	39	-55.1	-9.5	41.18	54	-12.82	74	-32.82
4	27.3535	66.91	Pk	36.3	-56	-9.5	37.71	54	-16.29	74	-36.29
5	31.75225	65.01	Pk	37.2	-53.5	-9.5	39.21	54	-14.79	74	-34.79
6	39.41425	67.17	Pk	39	-54.5	-9.5	42.17	54	-11.83	74	-31.83

Pk - Peak detector

12. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

RSS-Gen 8.8

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

*Decreases with the logarithm of the frequency.

TEST PROCEDURE

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

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

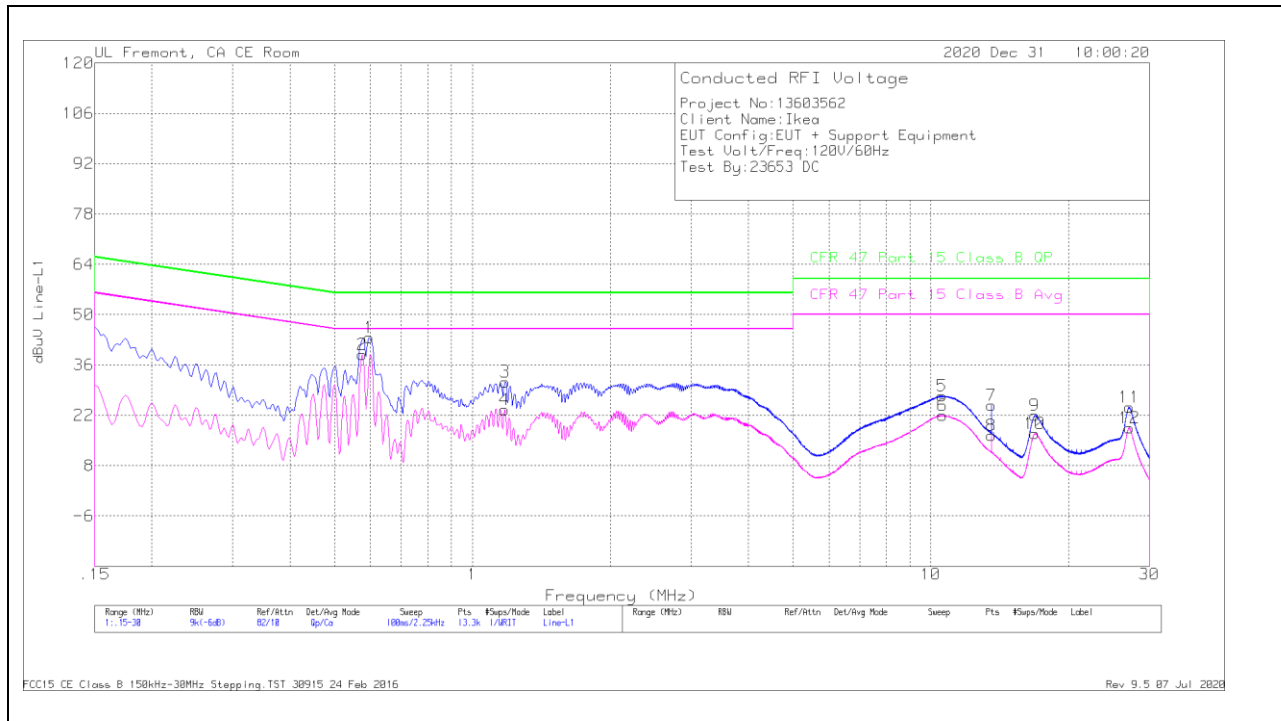
Line conducted data is recorded for both NEUTRAL and HOT lines.

RESULTS

Both antenna models AC power line tests were performed, only worse case result is reported.

E1922 ANTENNA(Worse result)

LINE 1 RESULTS



Trace Markers

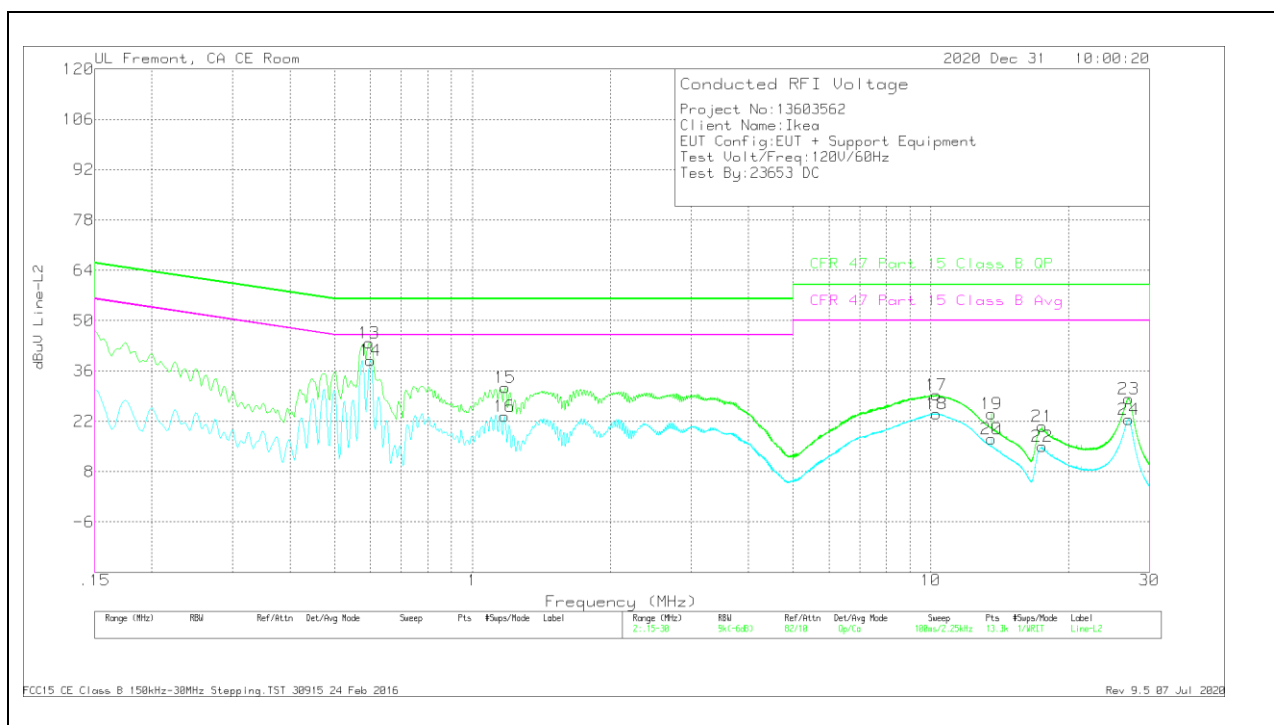
Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	PRE01864 46 LISN L1	LC Cables C1&C3 dB	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR) Margin (dB)
1	.5955	33.54	Qp	0	0	10.1	43.64	56	-12.36	-	-
2	.57525	28.8	Ca	0	0	10.1	38.9	-	-	46	-7.1
3	1.1805	21.12	Qp	0	.1	10.1	31.32	56	-24.68	-	-
4	1.176	13.38	Ca	0	.1	10.1	23.58	-	-	46	-22.42
5	10.581	17.04	Qp	0	.2	10.2	27.44	60	-32.56	-	-
6	10.6035	11.57	Ca	0	.2	10.2	21.97	-	-	50	-28.03
7	13.56	14.3	Qp	.1	.2	10.2	24.8	60	-35.2	-	-
8	13.56	5.9	Ca	.1	.2	10.2	16.4	-	-	50	-33.6
9	16.87425	11.49	Qp	0	.2	10.3	21.99	60	-38.01	-	-
10	16.88325	6.43	Ca	0	.2	10.3	16.93	-	-	50	-33.07
11	27.1275	13.44	Qp	0	.3	10.5	24.24	60	-35.76	-	-
12	27.11175	7.74	Ca	0	.3	10.5	18.54	-	-	50	-31.46

Qp - Quasi-Peak detector

Ca - CISPR average detection

NOTE: Markers 7 and 8, 13.56MHz is an external NFC signal unrelated to the EUT.

LINE 2 RESULTS



Trace Markers

Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	PRE01864 46 LISN L2	LC Cables C2&C3 dB	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	.5955	33.71	Qp	0	0	10.1	43.81	56	-12.19	-	-
14	.6	28.89	Ca	0	0	10.1	38.99	-	-	46	-7.01
15	1.1805	21.19	Qp	0	.1	10.1	31.39	56	-24.61	-	-
16	1.176	13.26	Ca	0	.1	10.1	23.46	-	-	46	-22.54
17	10.2975	18.94	Qp	0	.2	10.2	29.34	60	-30.66	-	-
18	10.29975	13.71	Ca	0	.2	10.2	24.11	-	-	50	-25.89
19	13.56	13.61	Qp	.1	.2	10.2	24.11	60	-35.89	-	-
20	13.56	6.68	Ca	.1	.2	10.2	17.18	-	-	50	-32.82
21	17.48625	10.06	Qp	0	.2	10.3	20.56	60	-39.44	-	-
22	17.48625	4.51	Ca	0	.2	10.3	15.01	-	-	50	-34.99
23	27.03975	17.39	Qp	.1	.3	10.5	28.29	60	-31.71	-	-
24	27.042	11.66	Ca	.1	.3	10.5	22.56	-	-	50	-27.44

Qp - Quasi-Peak detector

Ca - CISPR average detection

NOTE: Markers 19 and 20, 13.56MHz is an external NFC signal unrelated to the EUT.