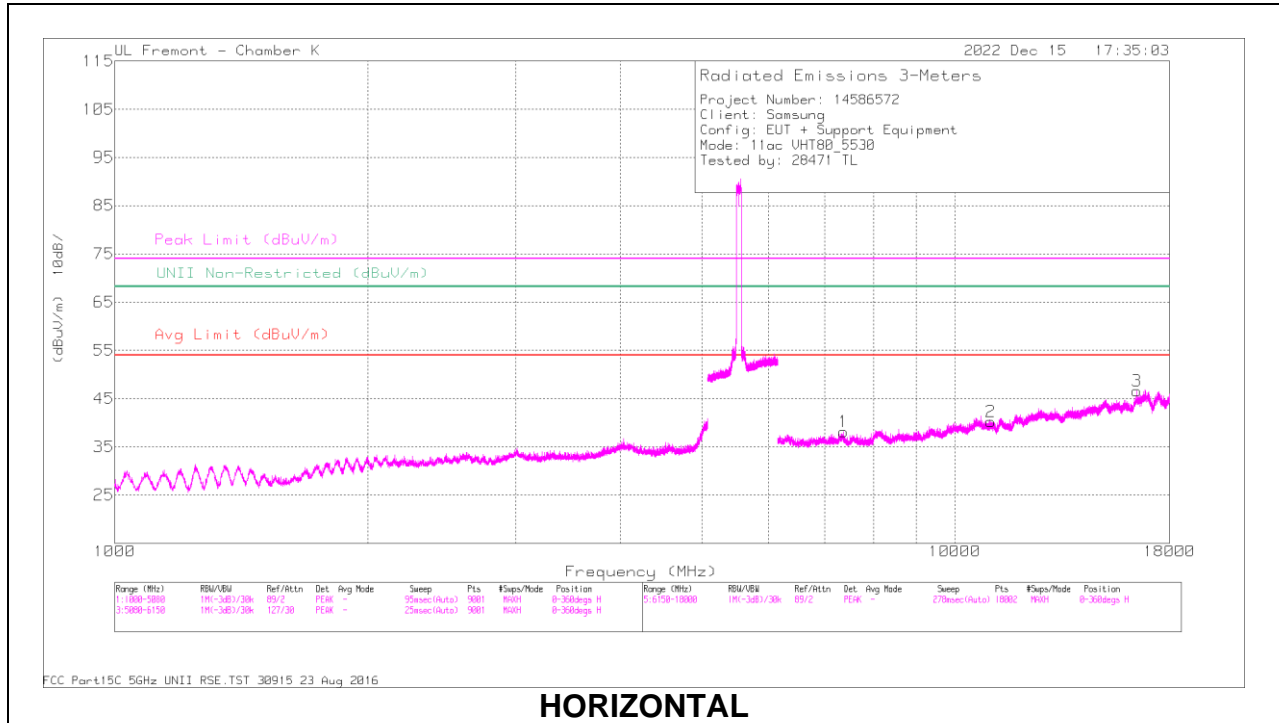
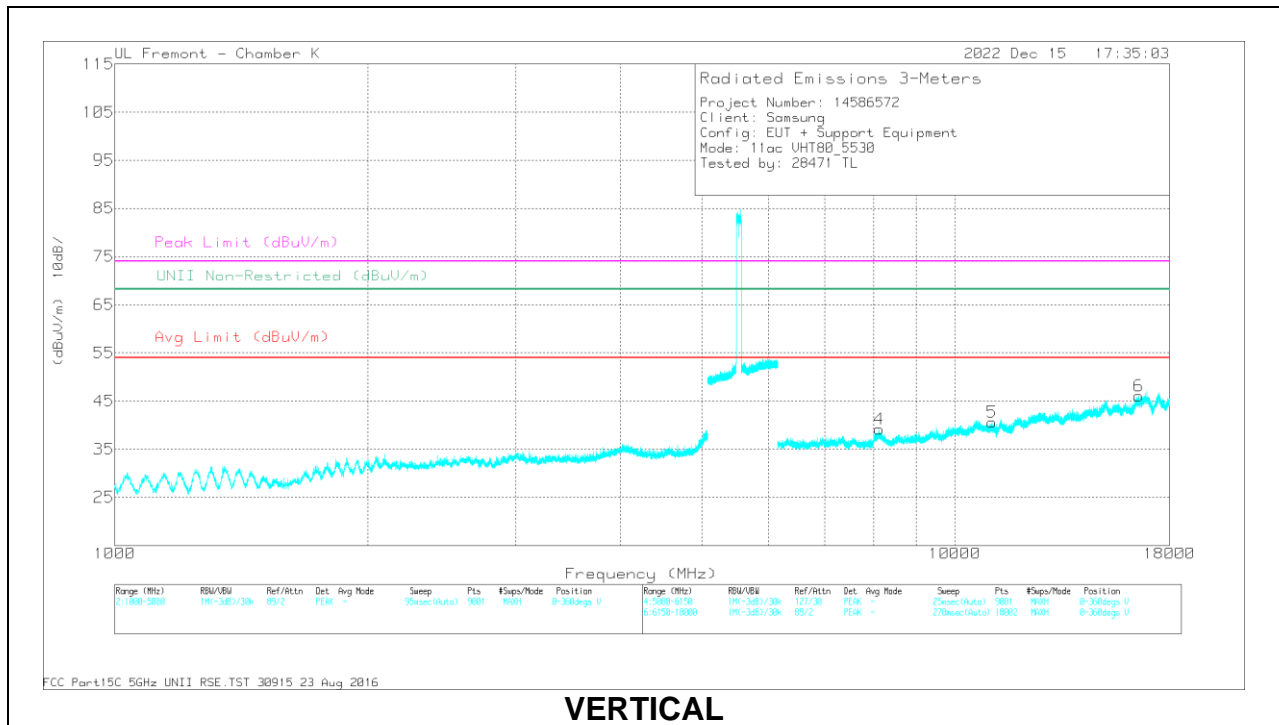


HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

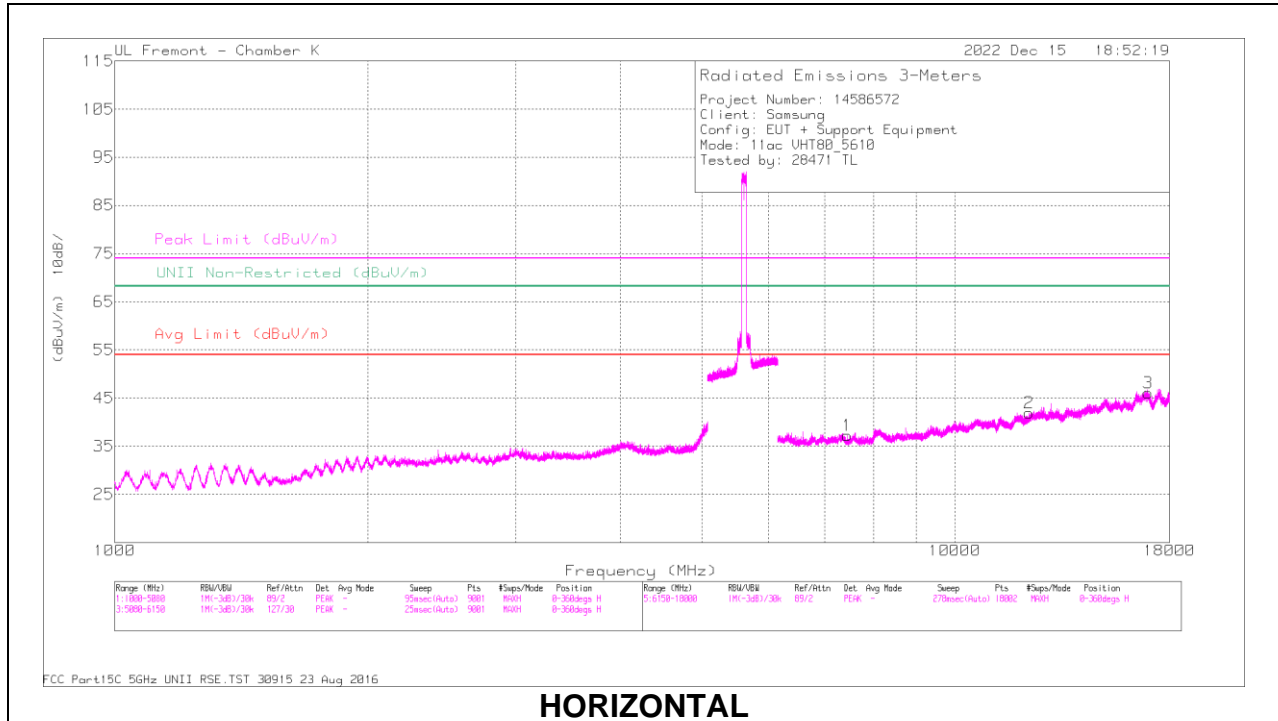
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Fitr (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 7366.777	49.27	PK-U	35.7	-37.3	0	47.67	-	-	74	-26.33	-	-	194	221	H
	* 7402.366	37.41	ADR	35.7	-37.8	1.21	36.52	54	-17.48	-	-	-	-	194	221	H
2	* 11025.83	49.3	PK-U	38	-36.6	0	50.7	-	-	74	-23.3	-	-	218	319	H
	* 11060.886	36.83	ADR	38	-36.5	1.21	39.54	54	-14.46	-	-	-	-	218	319	H
3	16484.12	46.08	PK-U	40.9	-32.7	0	54.28	-	-	-	-	68.2	-13.92	331	382	H
4	* 8149.555	49.98	PK-U	35.9	-37.7	0	48.18	-	-	74	-25.82	-	-	280	347	V
	* 8139.67	38.25	ADR	35.9	-37.5	1.21	37.86	54	-16.14	-	-	-	-	280	347	V
5	* 11085.564	48.91	PK-U	38	-36.5	0	50.41	-	-	74	-23.59	-	-	3	166	V
	* 11067.126	36.72	ADR	38	-36.4	1.21	39.53	54	-14.47	-	-	-	-	3	166	V
6	16533.836	47.2	PK-U	41.1	-33.1	0	55.2	-	-	-	-	68.2	-13	75	179	V

* - indicates frequency in CFR47 Pt 15

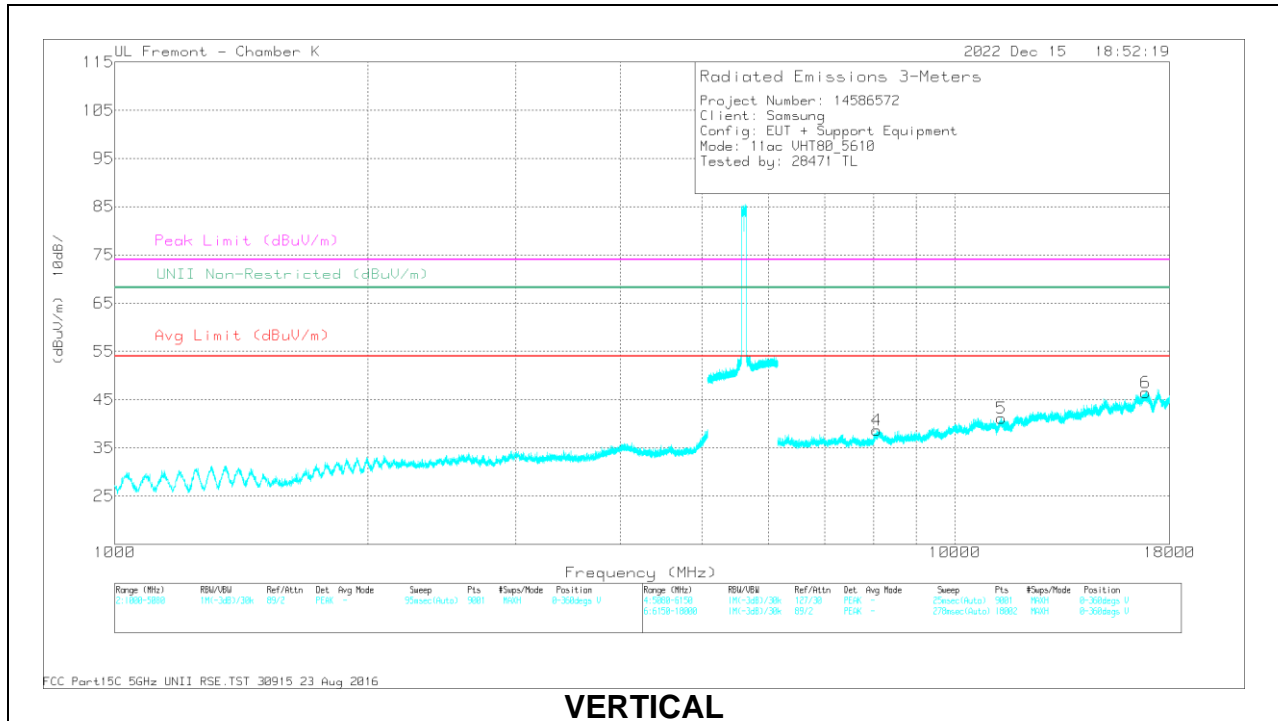
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

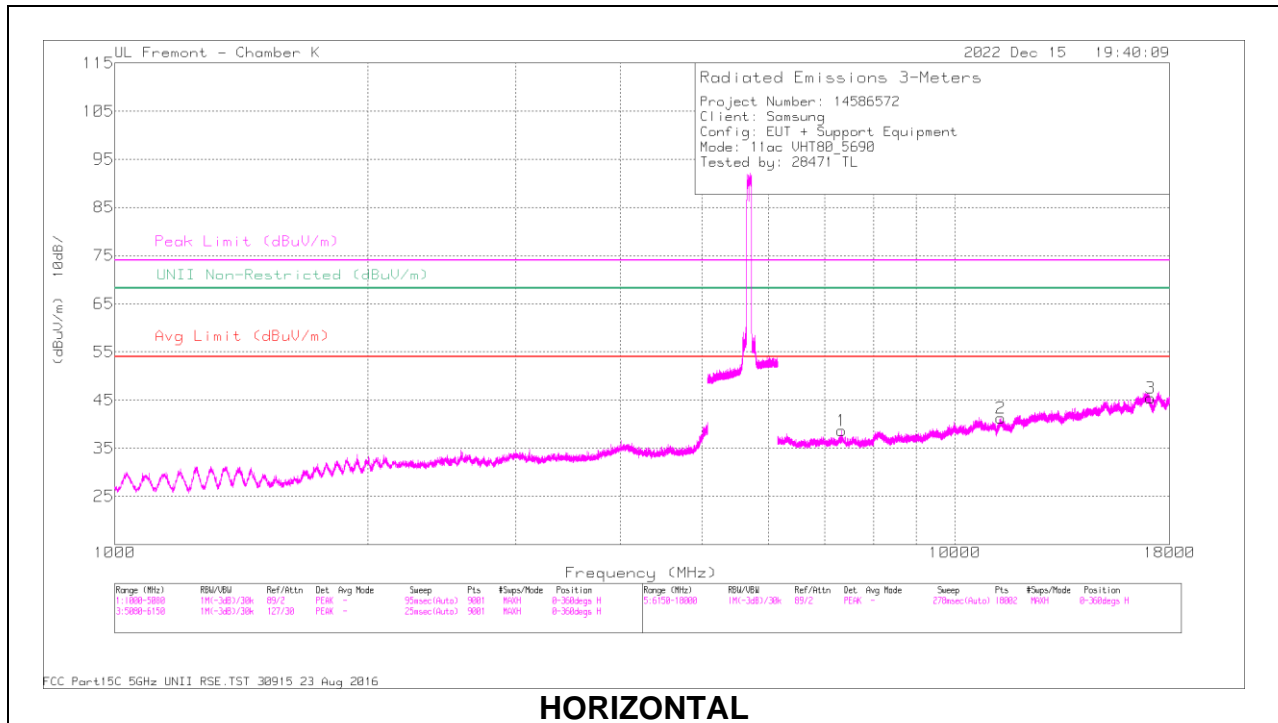
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Fitr (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 7430.958	48.96	PK-U	35.7	-38.1	0	46.56	-	-	74	-27.44	-	-	280	261	H
	* 7448.903	37.25	ADR	35.7	-38.1	1.21	36.06	54	-17.94	-	-	-	-	280	261	H
2	* 12286.748	46.24	PK-U	39	-34.6	0	50.64	-	-	74	-23.36	-	-	177	120	H
	* 12290.721	34.78	ADR	39	-34.6	1.21	40.39	54	-13.61	-	-	-	-	177	120	H
3	16980.257	46.86	PK-U	41.6	-33	0	55.46	-	-	-	-	68.2	-12.74	314	353	H
4	* 8092.044	49.93	PK-U	35.9	-37.4	0	48.43	-	-	74	-25.57	-	-	343	202	V
	* 8105.922	37.98	ADR	35.9	-37.3	1.21	37.79	54	-16.21	-	-	-	-	343	202	V
5	* 11332.668	47.99	PK-U	37.8	-35.6	0	50.19	-	-	74	-23.81	-	-	111	386	V
	* 11320.816	36.63	ADR	37.8	-35.9	1.21	39.74	54	-14.26	-	-	-	-	111	386	V
6	16848.238	45.86	PK-U	41.7	-32.4	0	55.16	-	-	-	-	68.2	-13.04	5	132	V

* - indicates frequency in CFR47 Pt 15

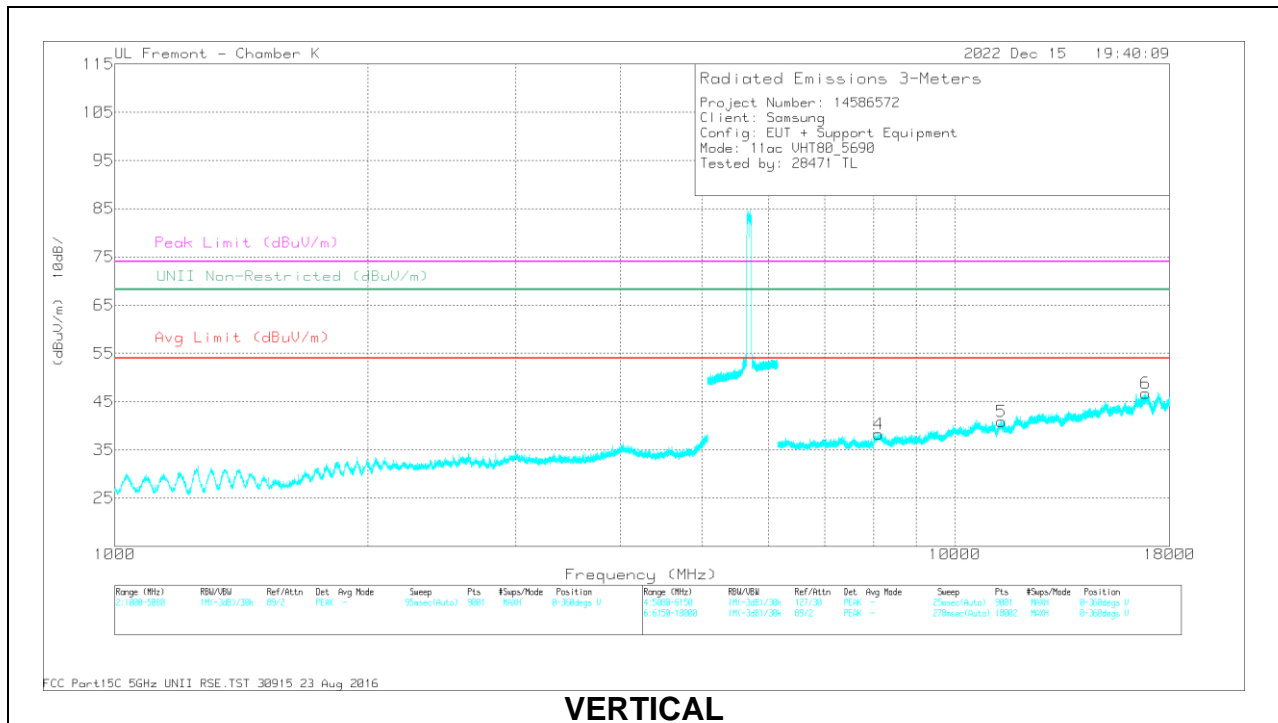
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

CHANNEL 138 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Fitr (dB)	DCCF (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	* 7327.078	48.56	PK-U	35.7	-37	0	47.26	-	-	74	-26.74	-	-	317	197	H
	* 7349.889	37.05	ADR	35.7	-37	1.21	36.96	54	-17.04	-	-	-	-	317	197	H
2	* 11362.189	48.46	PK-U	37.8	-35.7	0	50.56	-	-	74	-23.44	-	-	271	359	H
	* 11317.794	36.72	ADR	37.8	-36	1.21	39.73	54	-14.27	-	-	-	-	271	359	H
3	17084.348	45.58	PK-U	41.5	-32	0	55.08	-	-	-	-	68.2	-13.12	311	115	H
4	* 8114.911	49.65	PK-U	35.9	-37.3	0	48.25	-	-	74	-25.75	-	-	62	312	V
	* 8120.184	38	ADR	35.9	-37.4	1.21	37.71	54	-16.29	-	-	-	-	62	312	V
5	* 11325.646	47.91	PK-U	37.8	-35.7	0	50.01	-	-	74	-23.99	-	-	180	362	V
	* 11338.671	36.53	ADR	37.8	-35.6	1.21	39.94	54	-14.06	-	-	-	-	180	362	V
6	16839.683	46.01	PK-U	41.7	-32.6	0	55.11	-	-	-	-	68.2	-13.09	202	297	V

* - indicates frequency in CFR47 Pt 15

PK-U - U-NII: Maximum Peak

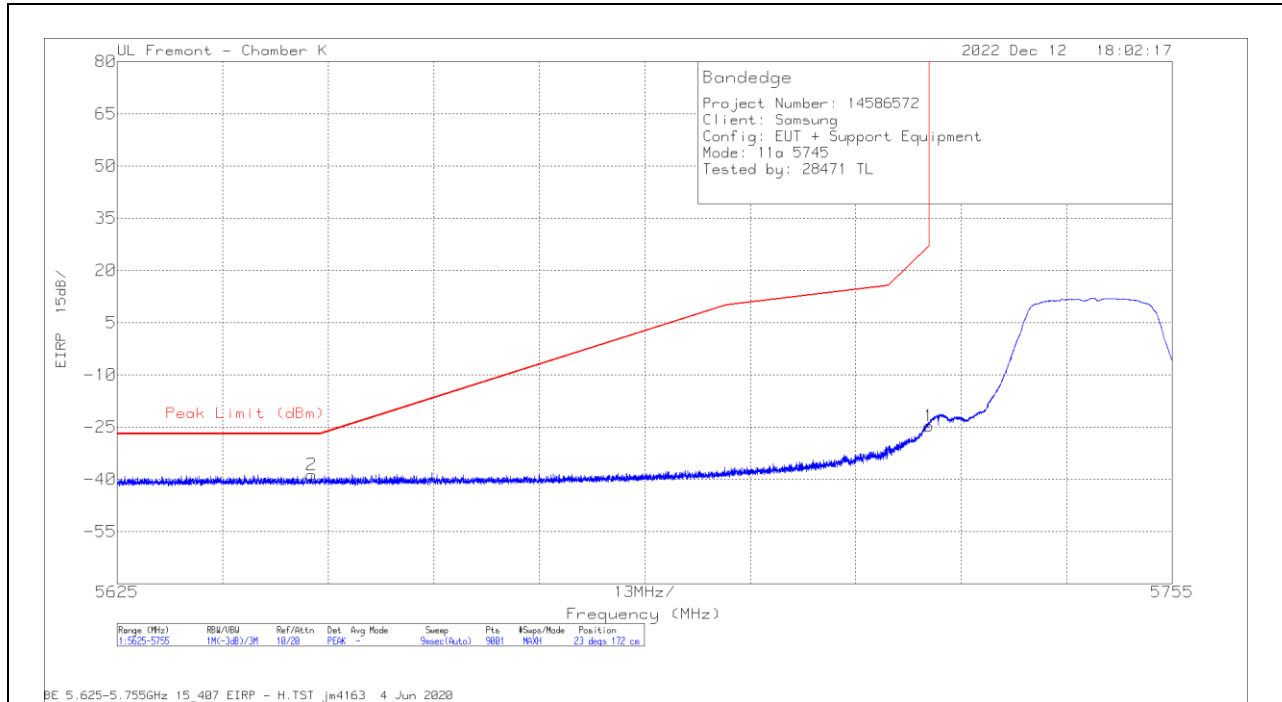
ADR - U-NII AD primary method, RMS average

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

1TX Antenna 1 MODE

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

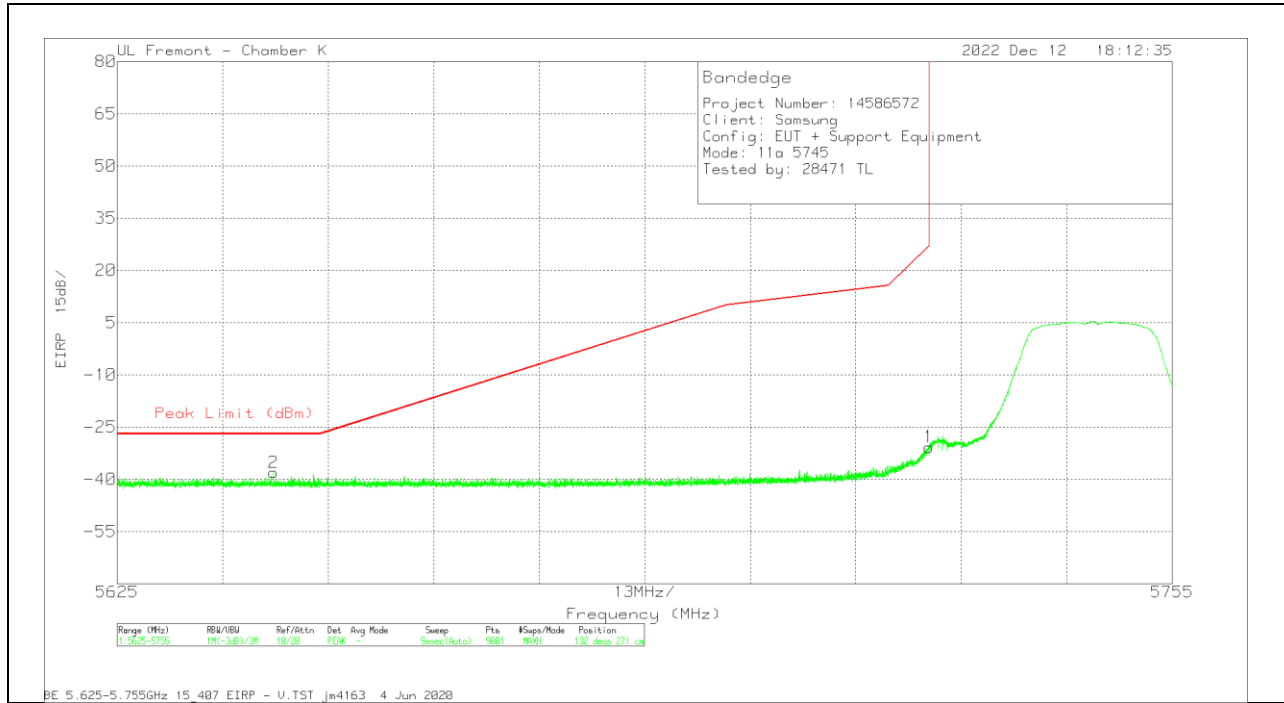


Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5725	-41.1	Pk	34.7	-30.1	11.8	-24.7	27	-51.7	23	172	H
2	5648.948	-54.92	Pk	34.6	-30.2	11.8	-38.72	-27	-11.72	23	172	H

Pk - Peak detector

VERTICAL RESULT



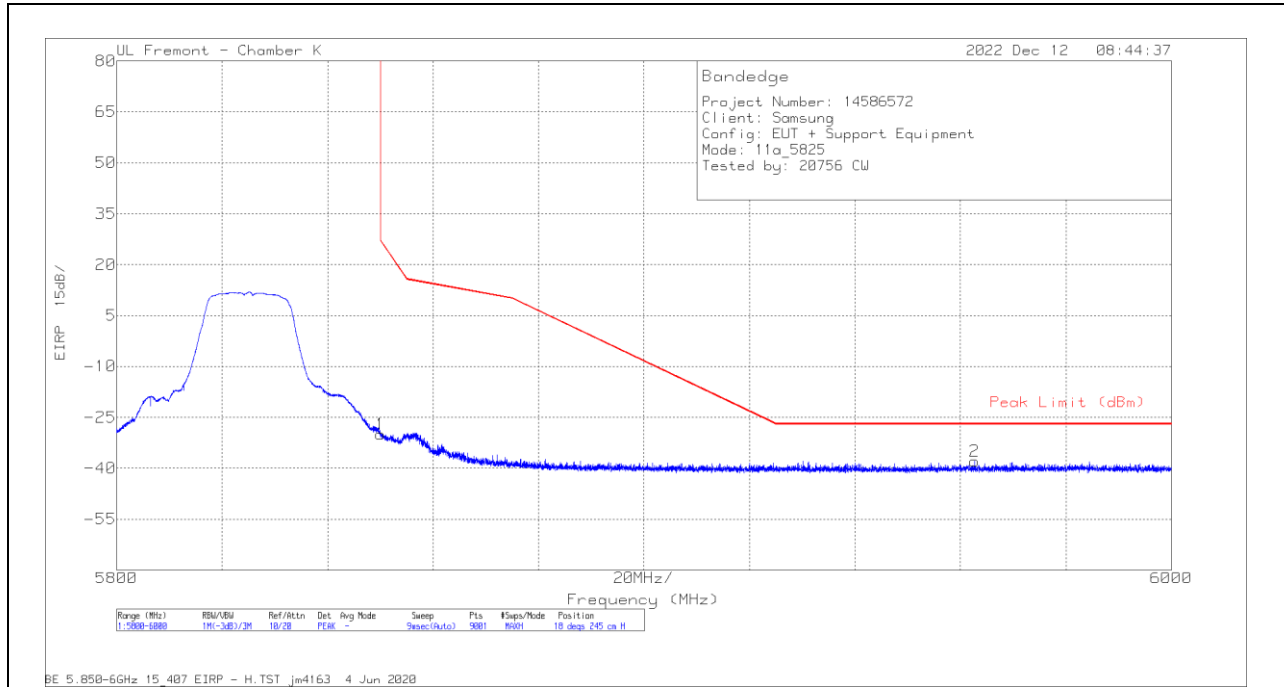
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5725	-47.16	Pk	34.7	-30.1	11.8	-30.76	27	-57.76	132	271	V
2	5644.268	-54.28	Pk	34.6	-30.2	11.8	-38.08	-27	-11.08	132	271	V

Pk - Peak detector

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT

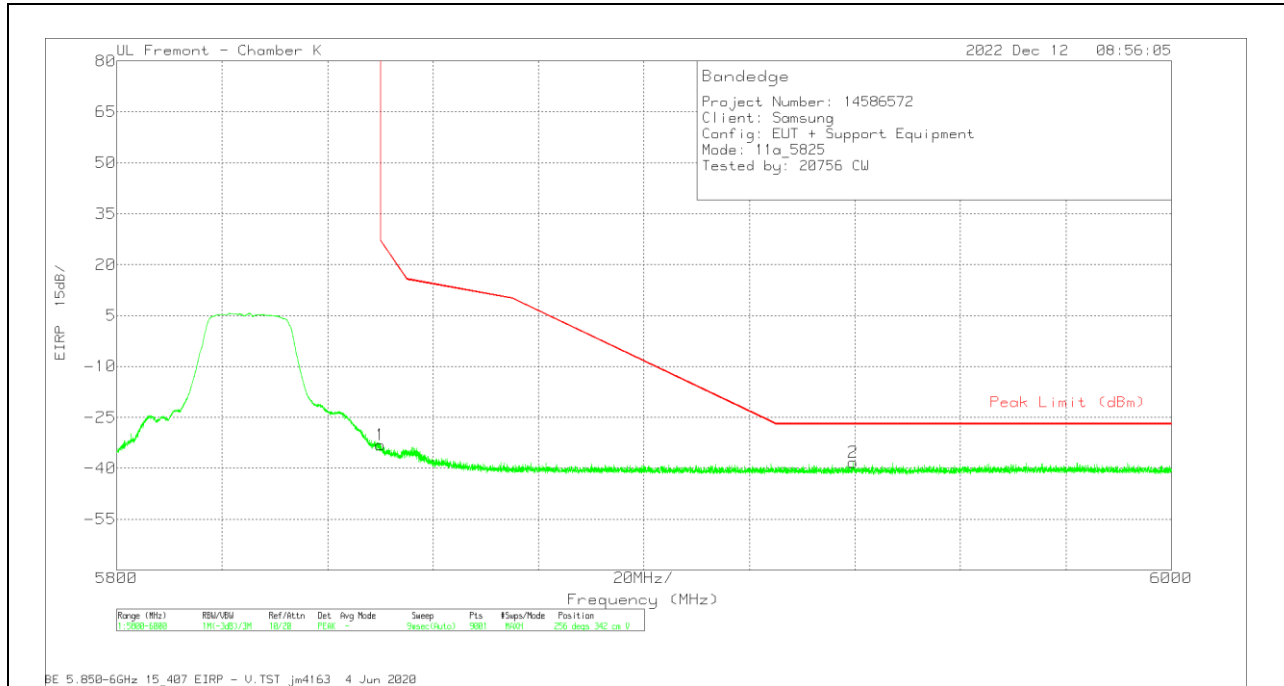


Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cb/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5850	-46.76	Pk	34.8	-29.9	11.8	-30.06	27	-57.06	18	245	H
2	5962.732	-54.99	Pk	35	-29.8	11.8	-37.99	-27	-10.99	18	245	H

Pk - Peak detector

VERTICAL RESULT



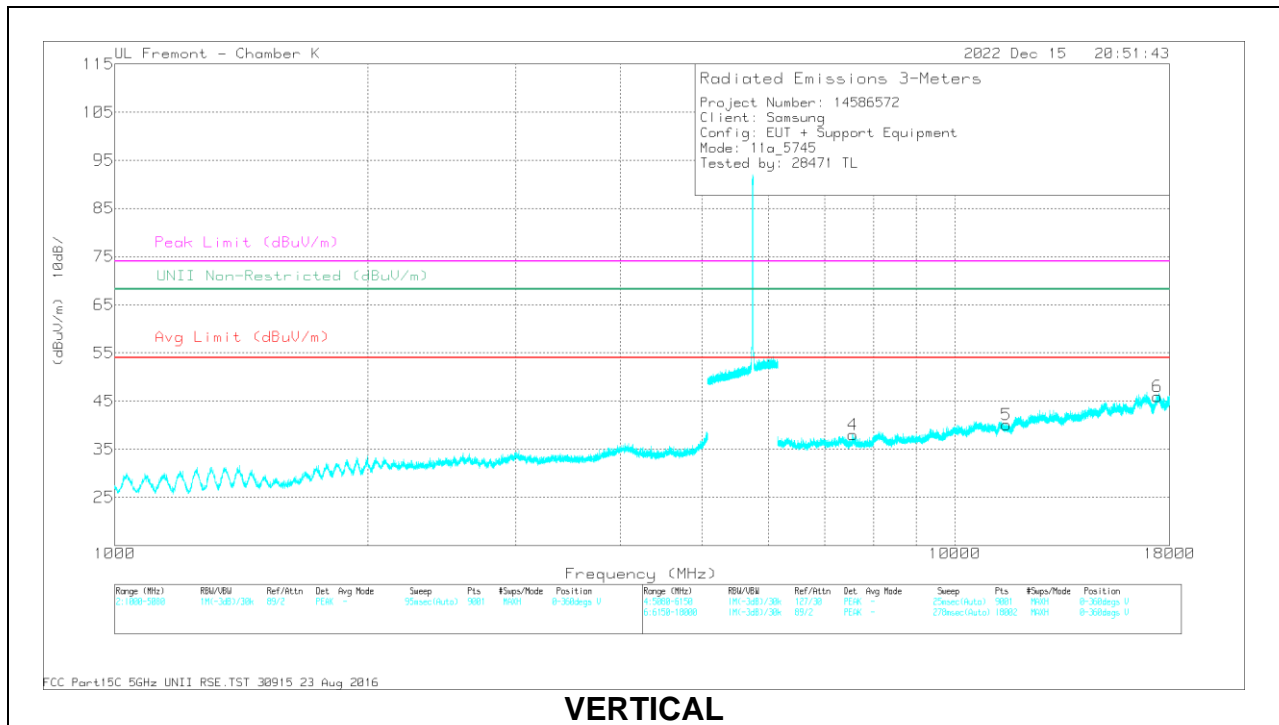
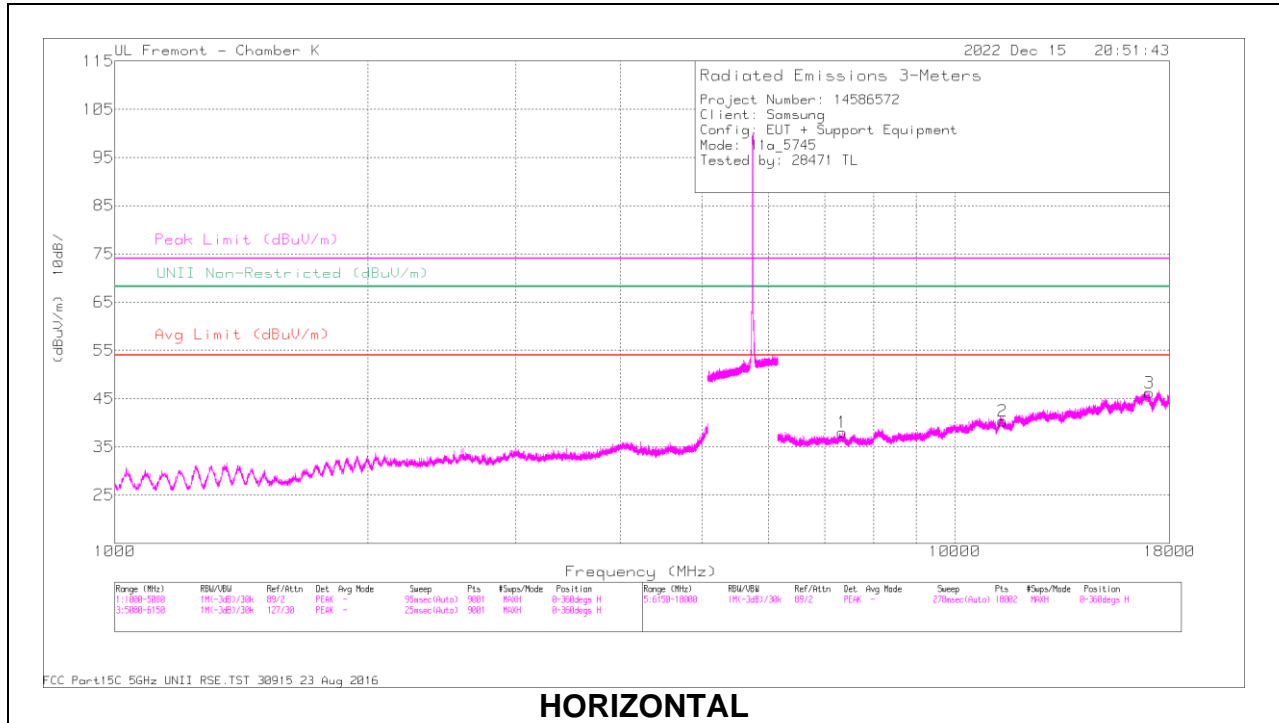
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5850	-49.87	Pk	34.8	-29.9	11.8	-33.17	27	-60.17	256	342	V
2	5939.665	-55.34	Pk	35	-29.8	11.8	-38.34	-27	-11.34	256	342	V

Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

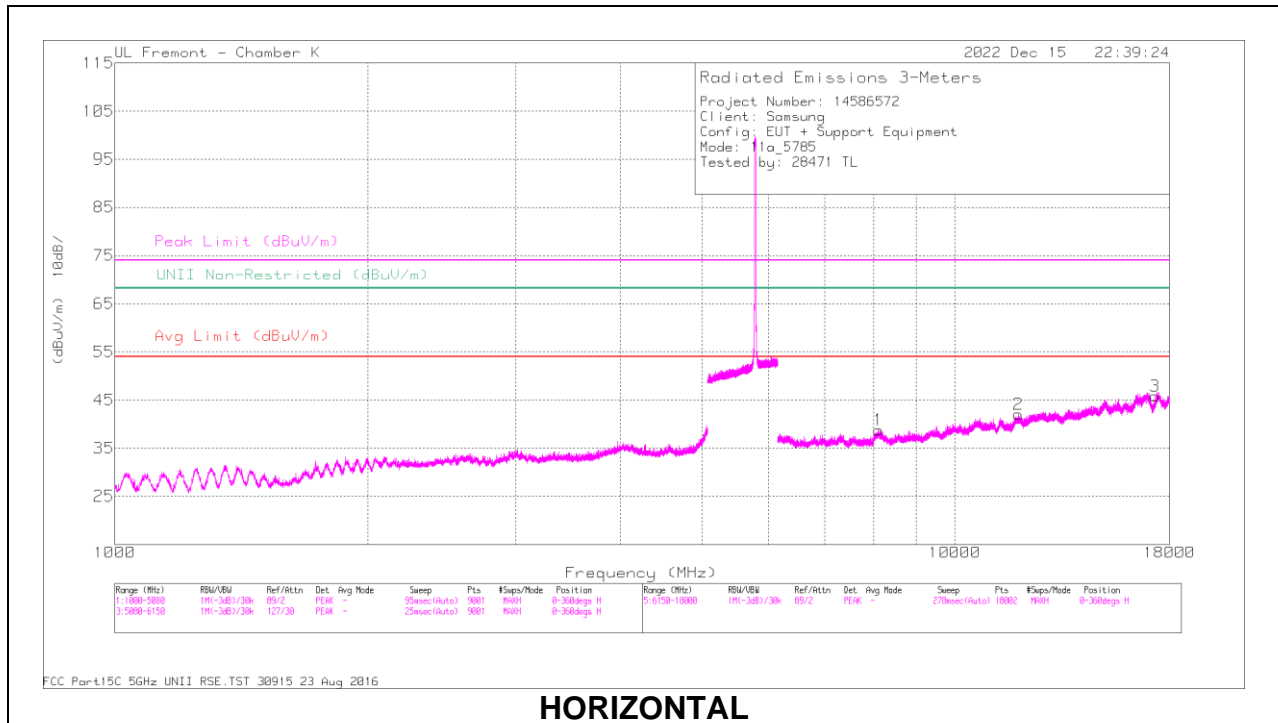
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Fitr (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 7363.062	48.8	PK-U	35.7	-37.2	0	47.3	-	-	74	-26.7	-	-	231	358	H
	* 7365.402	37.37	ADR	35.7	-37.3	.36	36.13	54	-17.87	-	-	-	-	231	358	H
2	* 11415.625	48.21	PK-U	37.8	-35.7	0	50.31	-	-	74	-23.69	-	-	36	214	H
	* 11418.278	36.32	ADR	37.8	-35.8	.36	38.68	54	-15.32	-	-	-	-	36	214	H
3	17036.227	45.31	PK-U	41.6	-32.3	0	54.61	-	-	-	-	68.2	-13.59	200	287	H
4	* 7570.64	48.7	PK-U	35.7	-37.3	0	47.1	-	-	74	-26.9	-	-	153	356	V
	* 7574.393	37.16	ADR	35.7	-37.4	.36	35.82	54	-18.18	-	-	-	-	153	356	V
5	* 11511.723	47.93	PK-U	37.9	-35.8	0	50.03	-	-	74	-23.97	-	-	223	185	V
	* 11495.905	36.08	ADR	37.9	-35.8	.36	38.54	54	-15.46	-	-	-	-	223	185	V
6	17435.605	45.25	PK-U	40.9	-30.9	0	55.25	-	-	-	-	68.2	-12.95	59	249	V

* - indicates frequency in CFR47 Pt 15

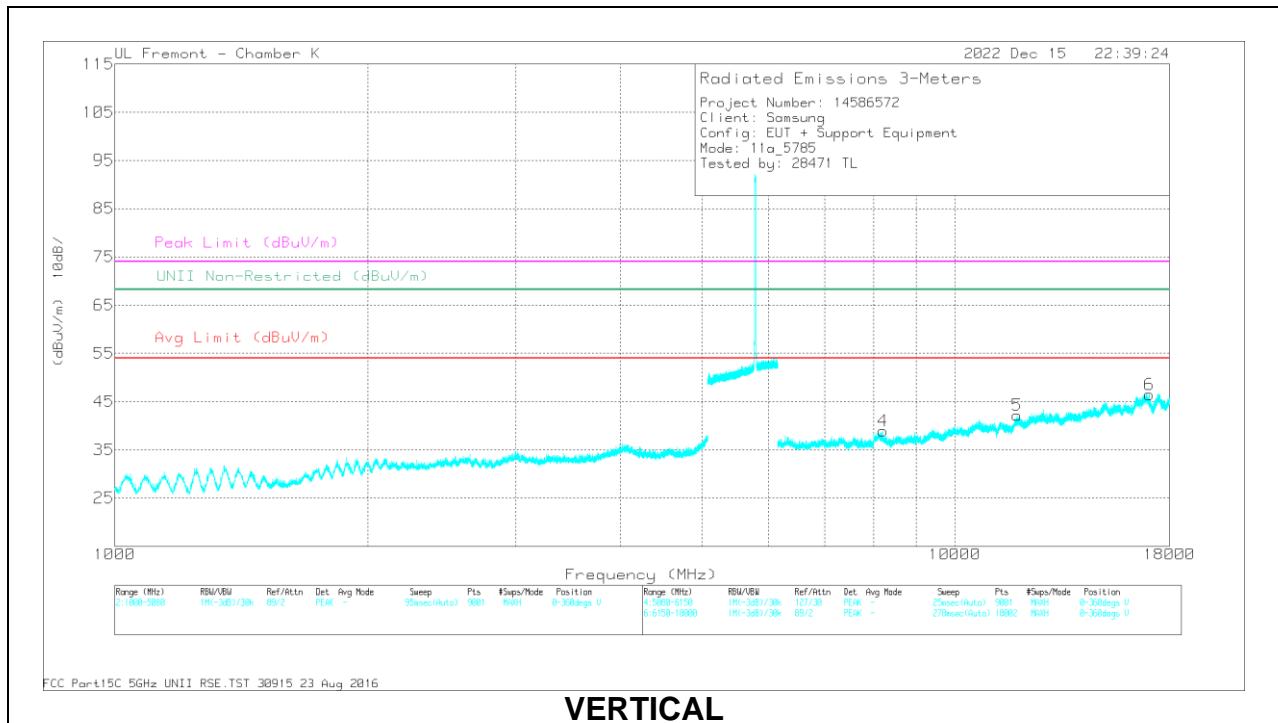
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

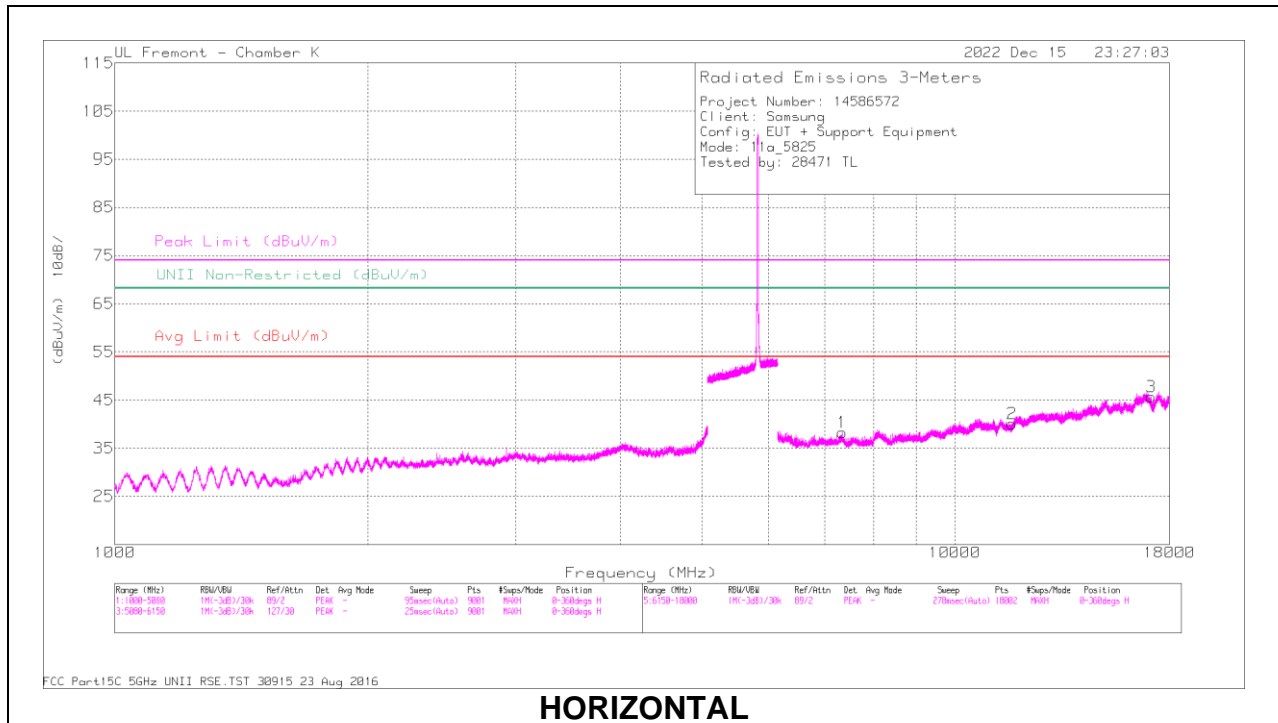
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Fitr (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 8095.16	50.11	PK-U	35.9	-37.4	0	48.61	-	-	74	-25.39	-	-	144	267	H
	* 8141.589	38.33	ADR	35.9	-37.6	.36	36.99	54	-17.01	-	-	-	-	144	267	H
2	* 11904.431	46.98	PK-U	38.5	-34.8	0	50.68	-	-	74	-23.32	-	-	77	117	H
	* 11892.565	35.73	ADR	38.5	-35	.36	39.59	54	-14.41	-	-	-	-	77	117	H
3	17271.375	45.22	PK-U	41.1	-31.6	0	54.72	-	-	-	-	68.2	-13.48	298	361	H
4	* 8193.092	49.3	PK-U	35.9	-37.6	0	47.6	-	-	74	-26.4	-	-	156	324	V
	* 8187.286	37.83	ADR	35.9	-37.6	.36	36.49	54	-17.51	-	-	-	-	156	324	V
5	* 11841.03	47.89	PK-U	38.4	-35	0	51.29	-	-	74	-22.71	-	-	285	264	V
	* 11887.878	36.1	ADR	38.5	-35	.36	39.96	54	-14.04	-	-	-	-	285	264	V
6	17033.752	46.71	PK-U	41.6	-32.2	0	56.11	-	-	-	-	68.2	-12.09	125	360	V

* - indicates frequency in CFR47 Pt 15

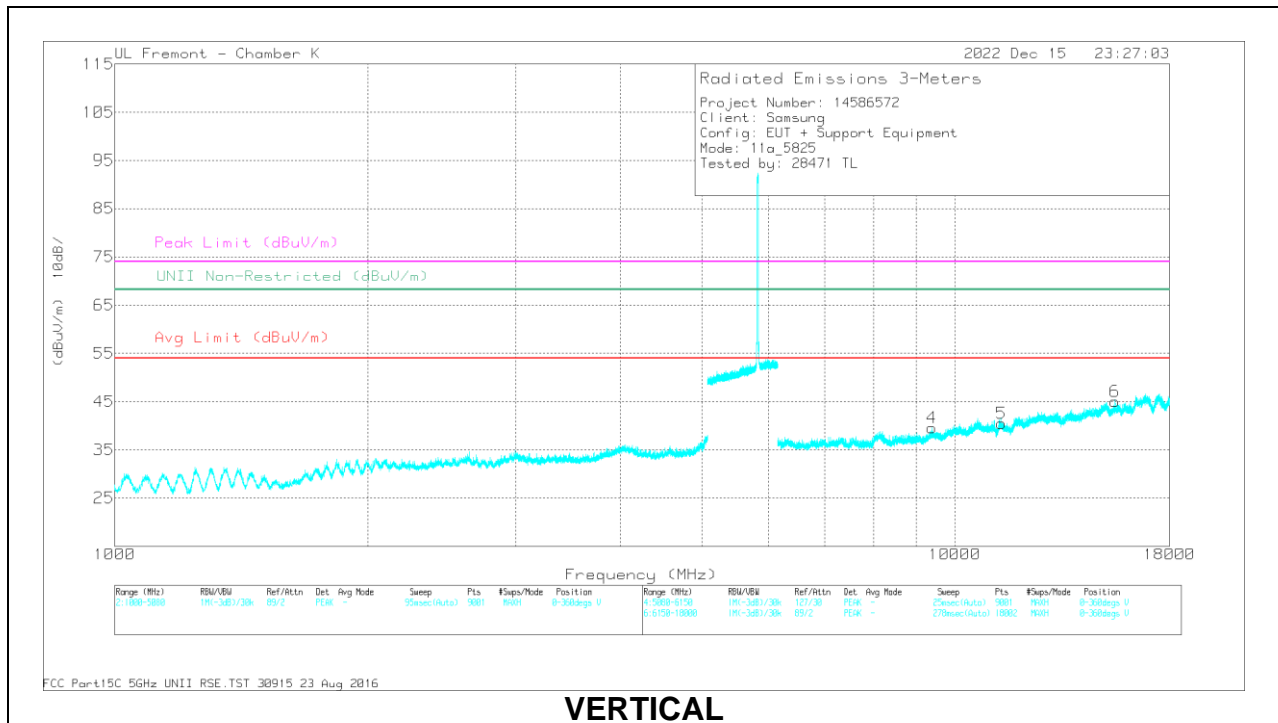
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Fitr (dB)	DCCF (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	* 7342.557	48.61	PK-U	35.7	-36.9	0	47.41	-	-	74	-26.59	-	-	213	127	H
	* 7319.267	37.04	ADR	35.7	-37	.36	36.1	54	-17.9	-	-	-	-	213	127	H
2	* 11712.12	47.53	PK-U	38.2	-35.4	0	50.33	-	-	74	-23.67	-	-	352	397	H
	* 11716.767	35.71	ADR	38.2	-35.4	.36	38.87	54	-15.13	-	-	-	-	352	397	H
3	17133.235	44.89	PK-U	41.4	-32.2	0	54.09	-	-	-	-	68.2	-14.11	140	217	H
4	* 9385.748	49.28	PK-U	36.4	-36.7	0	48.98	-	-	74	-25.02	-	-	99	261	V
	* 9387.988	37.46	ADR	36.4	-36.7	.36	37.52	54	-16.48	-	-	-	-	99	261	V
5	* 11383.271	48.27	PK-U	37.8	-35.8	0	50.27	-	-	74	-23.73	-	-	93	245	V
	* 11328.991	36.75	ADR	37.8	-35.7	.36	39.21	54	-14.79	-	-	-	-	93	245	V
6	* 15541.235	46.58	PK-U	40	-33.5	0	53.08	-	-	74	-20.92	-	-	20	182	V
	* 15537.609	34.45	ADR	40	-33.5	.36	41.31	54	-12.69	-	-	-	-	20	182	V

* - indicates frequency in CFR47 Pt 15

PK-U - U-NII: Maximum Peak

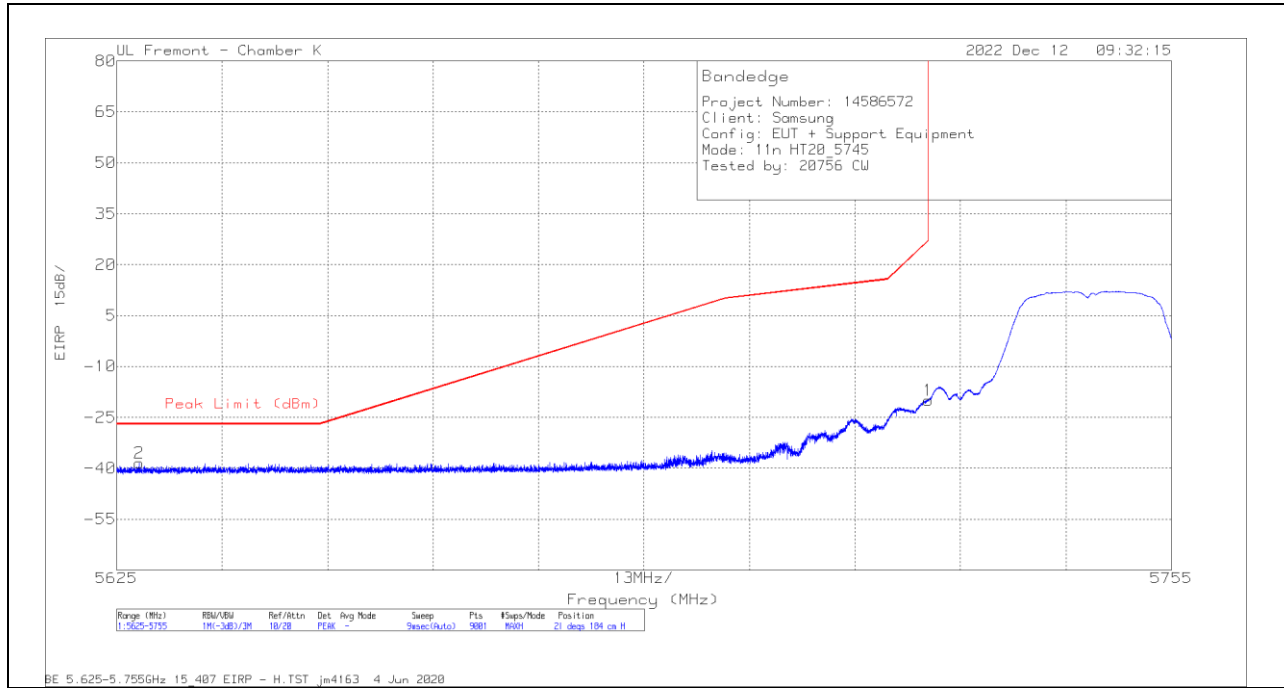
ADR - U-NII AD primary method, RMS average

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

1TX Antenna 1 MODE

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

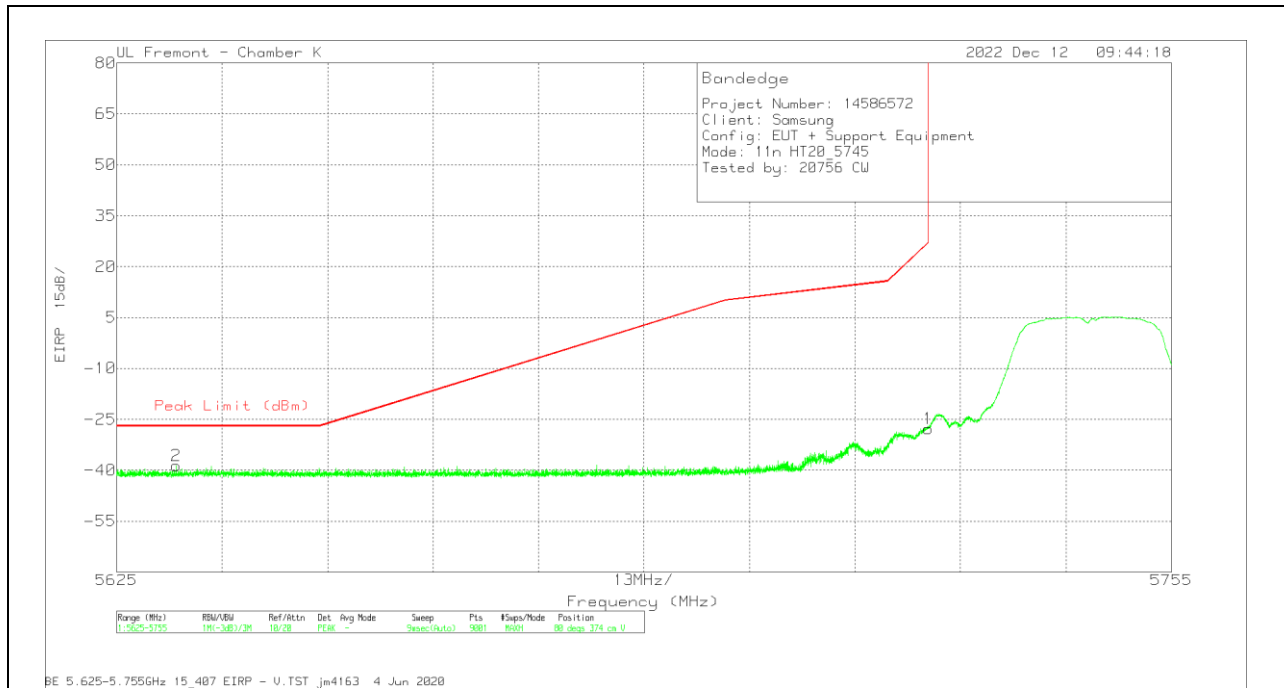


Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5725	-36.41	Pk	34.7	-30.1	11.8	-20.01	27	-47.01	21	184	H
2	5627.759	-54.73	Pk	34.6	-30.2	11.8	-38.53	-27	-11.53	21	184	H

Pk - Peak detector

VERTICAL RESULT



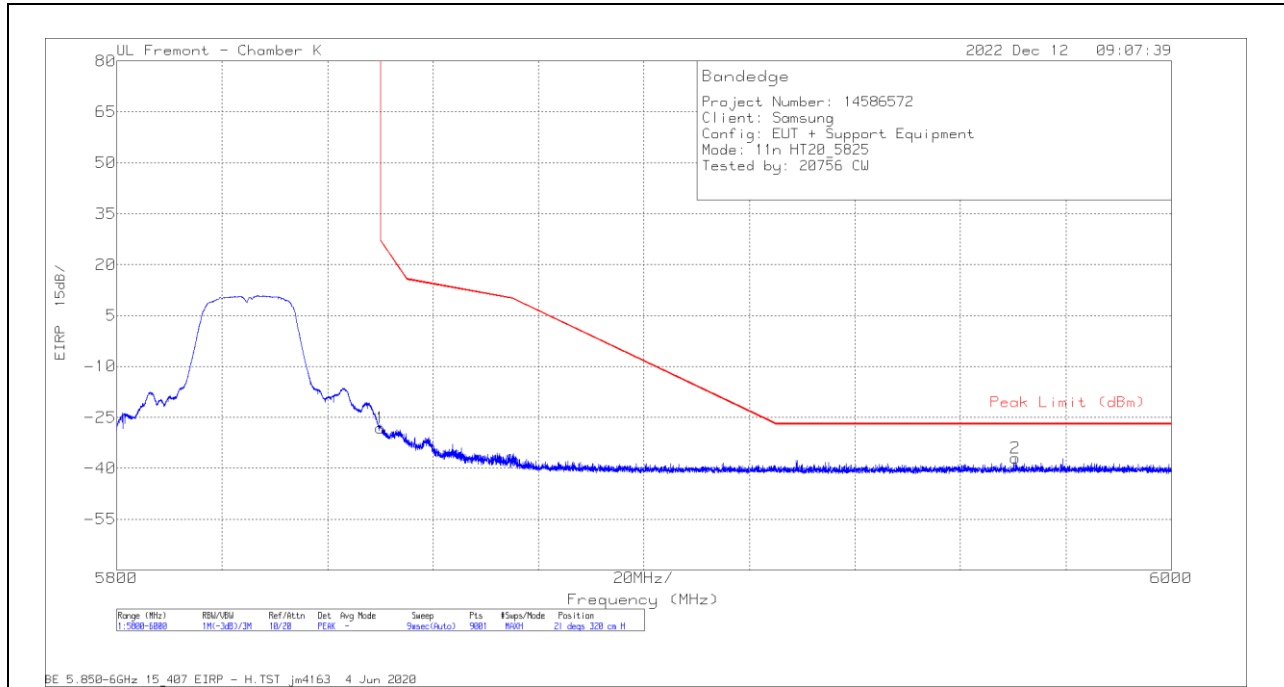
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5725	-44.23	Pk	34.7	-30.1	11.8	-27.83	27	-54.83	80	374	V
2	5632.309	-54.8	Pk	34.6	-30.3	11.8	-38.7	-27	-11.7	80	374	V

Pk - Peak detector

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT

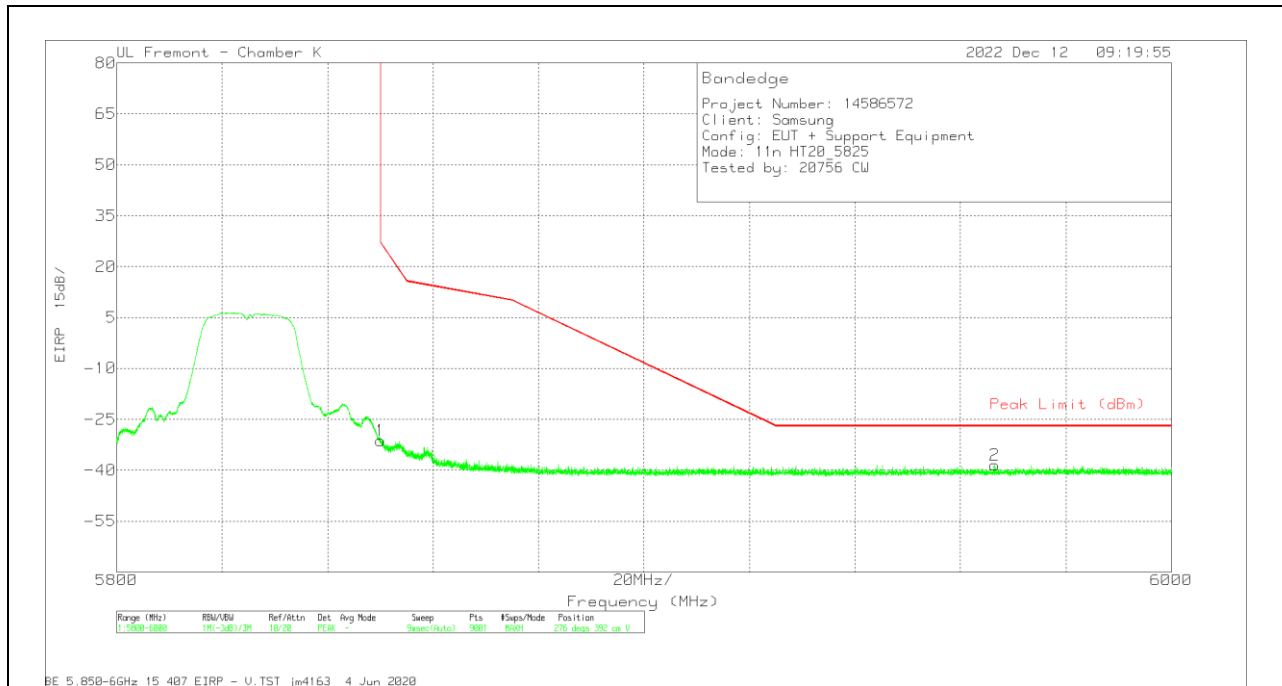


Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cb/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5850	-44.85	Pk	34.8	-29.9	11.8	-28.15	27	-55.15	21	320	H
2	5970.465	-54.03	Pk	35	-29.7	11.8	-36.93	-27	-9.93	21	320	H

Pk - Peak detector

VERTICAL RESULT



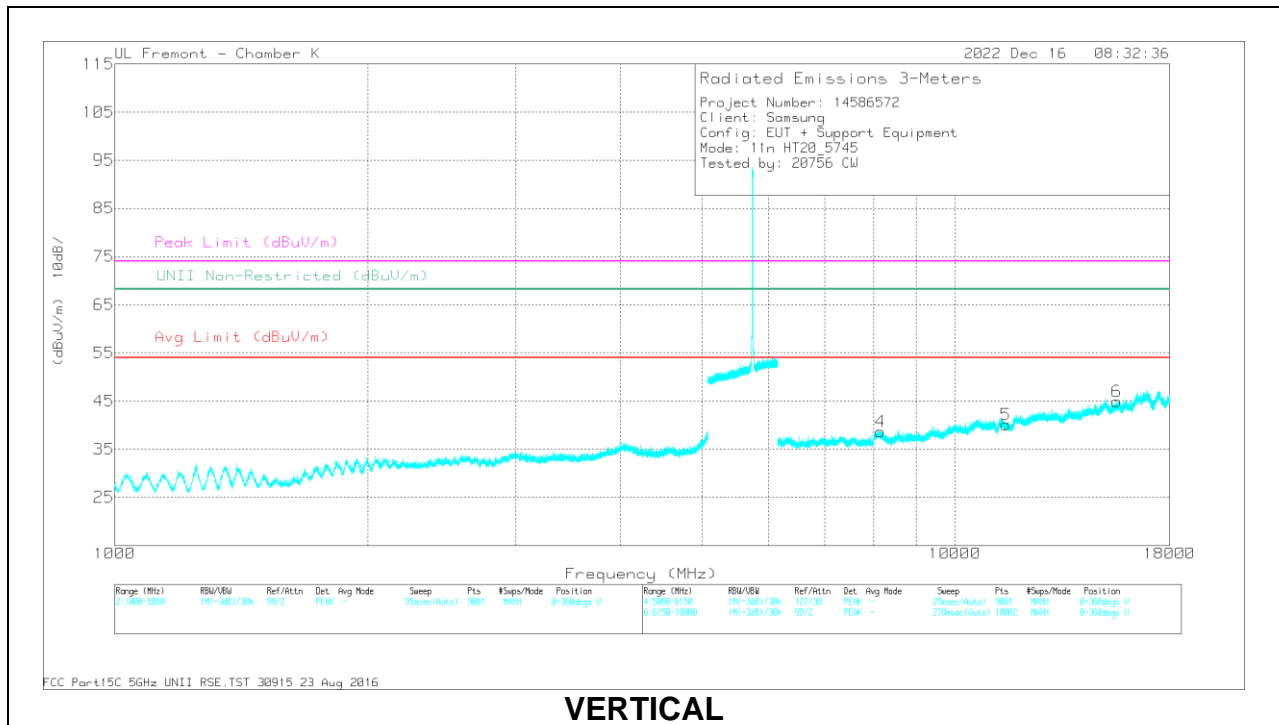
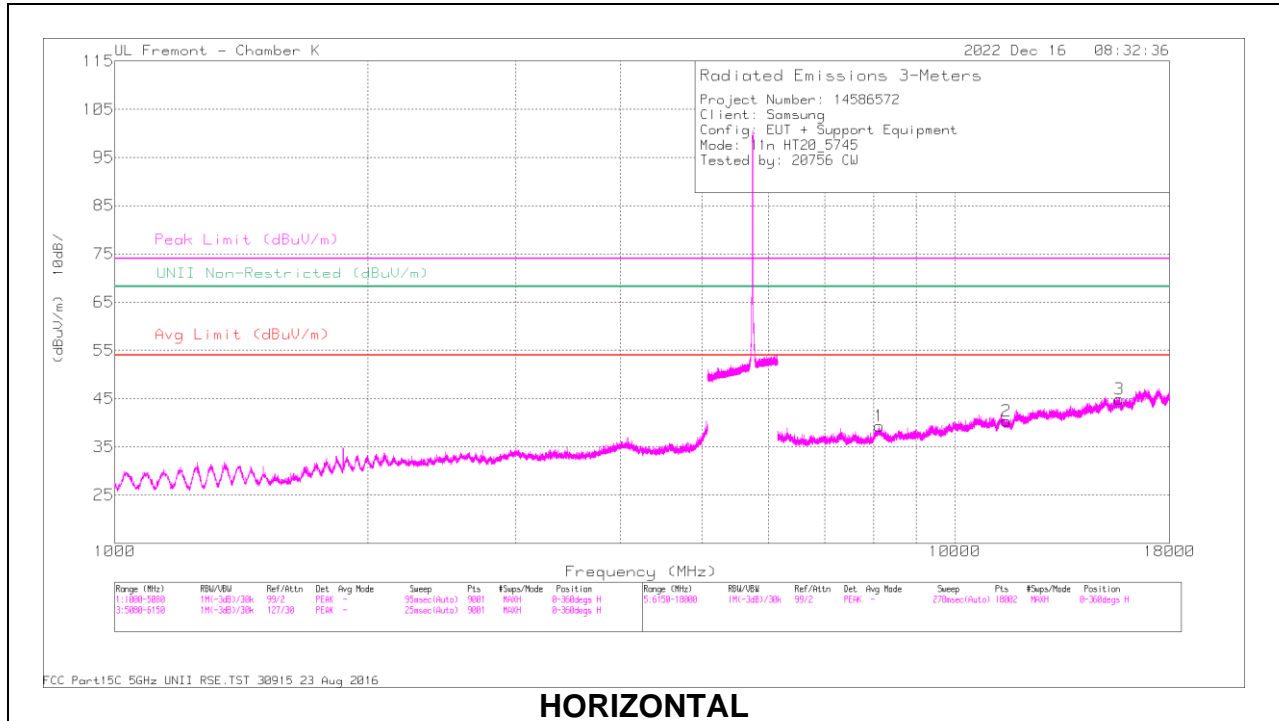
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5850	-48.06	Pk	34.8	-29.9	11.8	-31.36	27	-58.36	276	392	V
2	5966.532	-55.57	Pk	35	-29.7	11.8	-38.47	-27	-11.47	276	392	V

Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

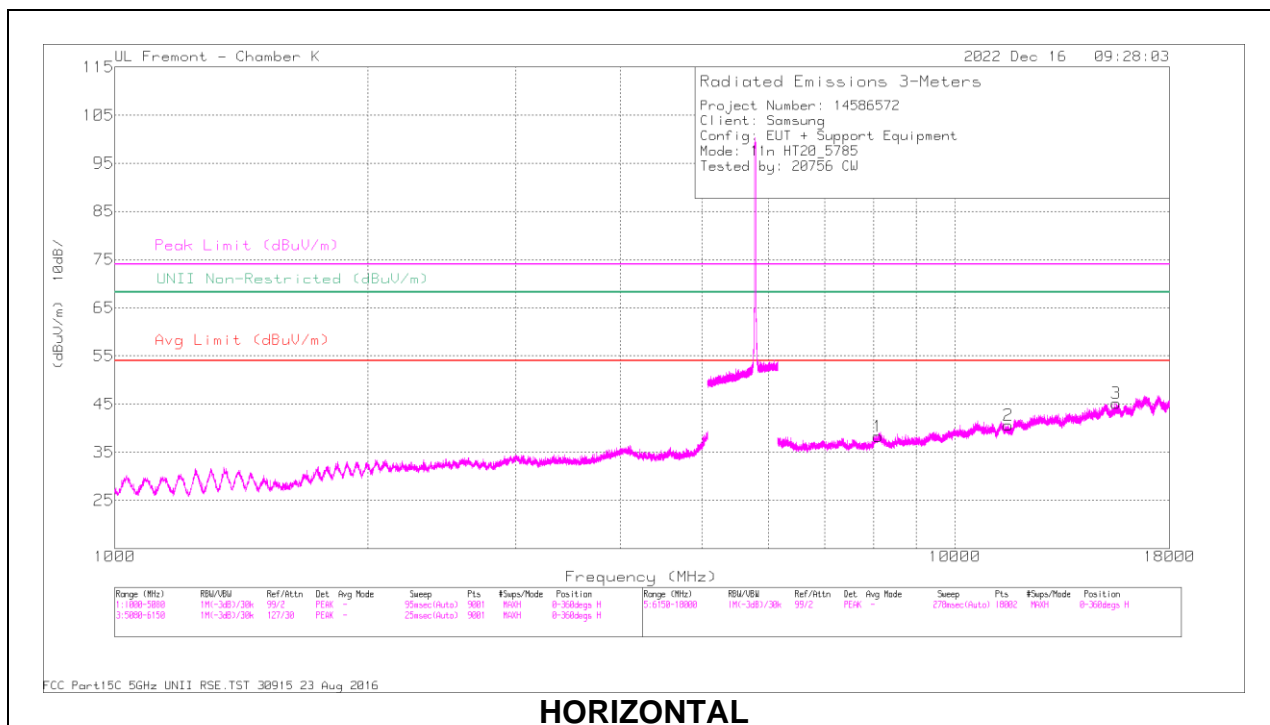
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Fitr (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 8127.882	50.55	PK-U	35.9	-37.5	0	48.95	-	-	74	-25.05	-	-	183	329	H
	* 8128.174	38.52	ADR	35.9	-37.5	.33	37.25	54	-16.75	-	-	-	-	183	329	H
2	* 11515.9	48.31	PK-U	37.9	-35.7	0	50.51	-	-	74	-23.49	-	-	29	338	H
	* 11515.748	36.53	ADR	37.9	-35.7	.33	39.06	54	-14.94	-	-	-	-	29	338	H
3	* 11515.614	47.92	PK-U	37.9	-35.7	0	50.12	-	-	74	-23.88	-	-	29	338	H
	* 11515.675	36.4	ADR	37.9	-35.7	.33	38.93	54	-15.07	-	-	-	-	29	338	H
4	* 8162.401	50.51	PK-U	35.9	-37.8	0	48.61	-	-	74	-25.39	-	-	332	256	V
	* 8161.147	38.65	ADR	35.9	-37.8	.33	37.08	54	-16.92	-	-	-	-	332	256	V
5	* 11501.461	48.15	PK-U	37.9	-35.9	0	50.15	-	-	74	-23.85	-	-	336	244	V
	* 11501.431	36.32	ADR	37.9	-35.9	.33	38.65	54	-15.35	-	-	-	-	336	244	V
6	* 15578.726	47.27	PK-U	40	-33.2	0	54.07	-	-	74	-19.93	-	-	76	211	V
	* 15578.834	35.64	ADR	40	-33.2	.33	42.77	54	-11.23	-	-	-	-	76	211	V

* - indicates frequency in CFR47 Pt 15

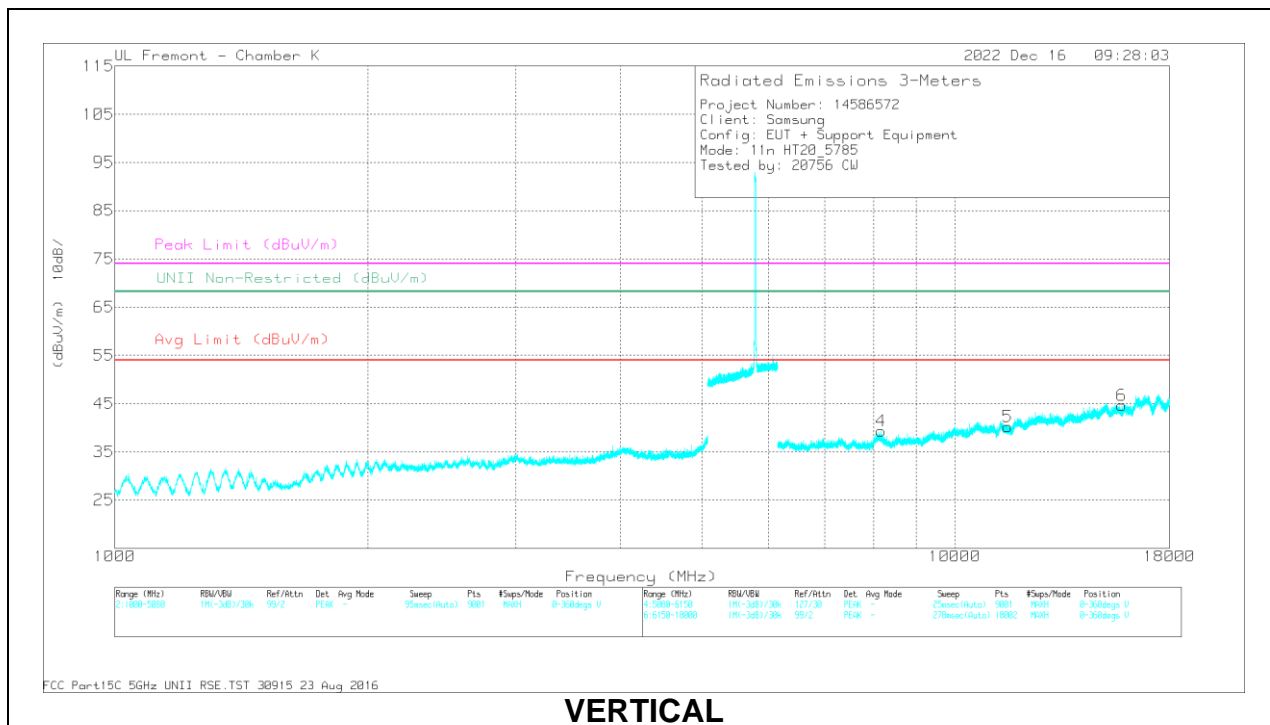
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

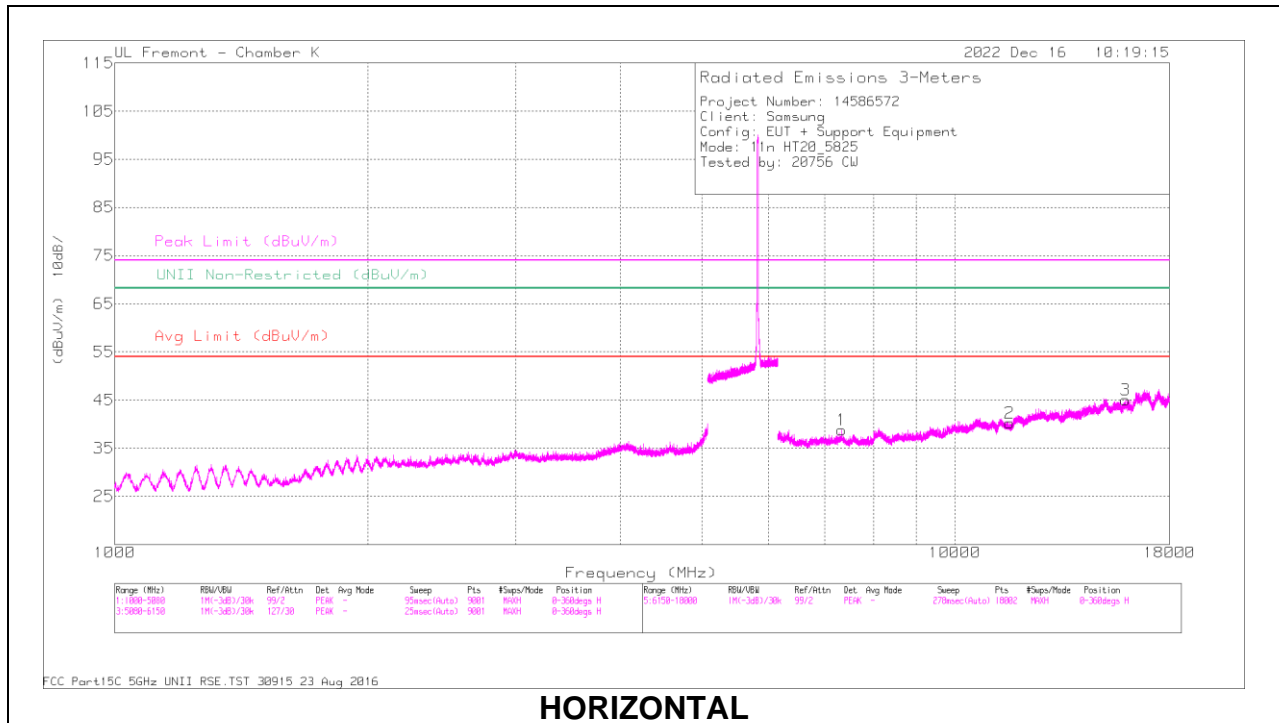
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Fitr (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 8104.639	49.68	PK-U	35.9	-37.4	0	48.18	-	-	74	-25.82	-	-	29	347	H
	* 8104.61	38.35	ADR	35.9	-37.4	.33	37.18	54	-16.82	-	-	-	-	29	347	H
2	* 11569.14	47.87	PK-U	38	-35.6	0	50.27	-	-	74	-23.73	-	-	122	294	H
	* 11569.177	36.11	ADR	38	-35.6	.33	38.84	54	-15.16	-	-	-	-	122	294	H
3	* 15543.424	47.41	PK-U	40	-33.6	0	53.81	-	-	74	-20.19	-	-	282	317	H
	* 15543.232	35.62	ADR	40	-33.6	.33	42.35	54	-11.65	-	-	-	-	282	317	H
4	* 8169.369	50.54	PK-U	35.9	-37.7	0	48.74	-	-	74	-25.26	-	-	40	389	V
	* 8170.104	38.66	ADR	35.9	-37.7	.33	37.19	54	-16.81	-	-	-	-	40	389	V
5	* 11564.576	47.47	PK-U	38	-35.6	0	49.87	-	-	74	-24.13	-	-	50	328	V
	* 11564.351	36	ADR	38	-35.6	.33	38.73	54	-15.27	-	-	-	-	50	328	V
6	* 15801.237	46.84	PK-U	40.2	-33.5	0	53.54	-	-	74	-20.46	-	-	155	258	V
	* 15801.236	35.38	ADR	40.2	-33.5	.33	42.41	54	-11.59	-	-	-	-	155	258	V

* - indicates frequency in CFR47 Pt 15

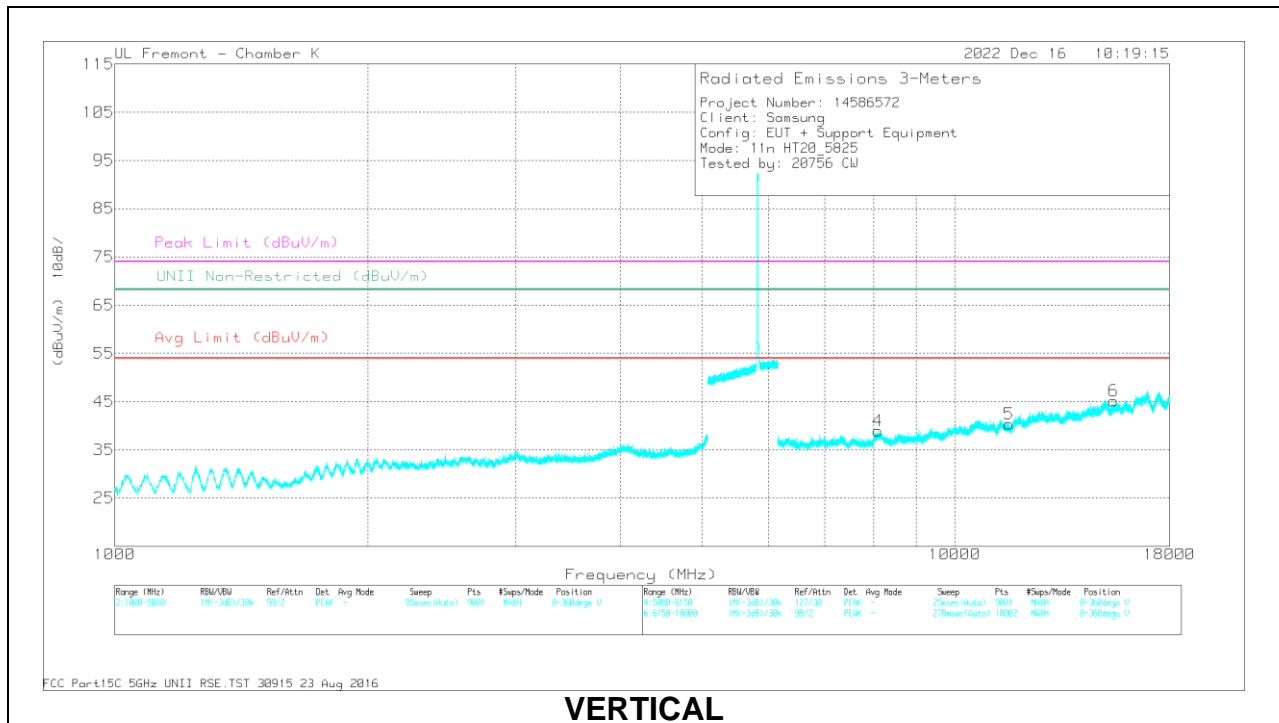
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Fitr (dB)	DCCF (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	* 7332.686	49.07	PK-U	35.7	-37	0	47.77	-	-	74	-26.23	-	-	257	355	H
	* 7333.331	37.15	ADR	35.7	-36.9	.33	36.28	54	-17.72	-	-	-	-	257	355	H
2	* 11614.689	47.3	PK-U	38.1	-35.2	0	50.2	-	-	74	-23.8	-	-	238	247	H
	* 11614.618	35.8	ADR	38.1	-35.2	.33	39.03	54	-14.97	-	-	-	-	238	247	H
3	* 15952.146	46.9	PK-U	40.2	-33	0	54.1	-	-	74	-19.9	-	-	274	281	H
	* 15952.073	35.58	ADR	40.2	-33	.33	43.11	54	-10.89	-	-	-	-	274	281	H
4	* 8106.63	49.51	PK-U	35.9	-37.3	0	48.11	-	-	74	-25.89	-	-	83	313	V
	* 8106.591	38.34	ADR	35.9	-37.3	.33	37.27	54	-16.73	-	-	-	-	83	313	V
5	* 11602.668	47.48	PK-U	38.1	-35.4	0	50.18	-	-	74	-23.82	-	-	252	296	V
	* 11602.537	35.77	ADR	38.1	-35.4	.33	38.8	54	-15.2	-	-	-	-	252	296	V
6	* 15435.139	46.18	PK-U	40	-32.6	0	53.58	-	-	74	-20.42	-	-	33	208	V
	* 15435.426	34.77	ADR	40	-32.6	.33	42.5	54	-11.5	-	-	-	-	33	208	V

* - indicates frequency in CFR47 Pt 15

PK-U - U-NII: Maximum Peak

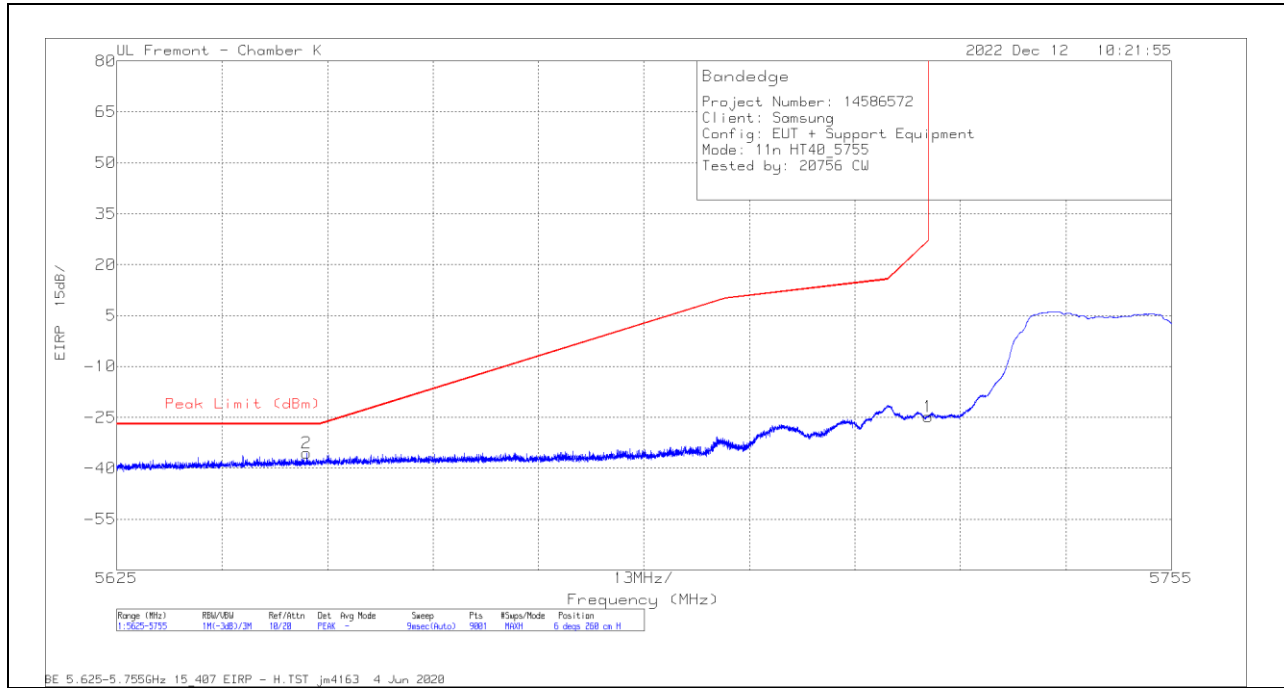
ADR - U-NII AD primary method, RMS average

10.1.15. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.8 GHz BAND

1TX Antenna 1 MODE

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

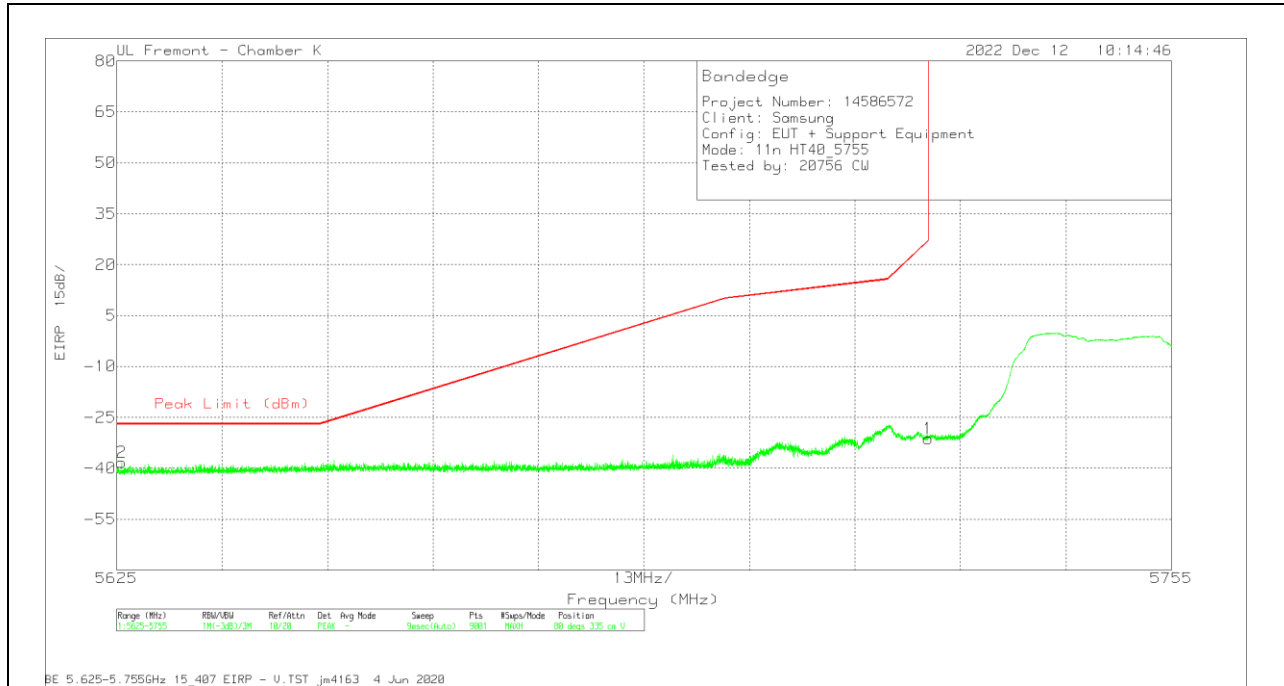


Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5725	-41.17	Pk	34.7	-30.1	11.8	-24.77	27	-51.77	6	260	H
2	5648.443	-51.79	Pk	34.6	-30.2	11.8	-35.59	-27	-8.59	6	260	H

Pk - Peak detector

VERTICAL RESULT



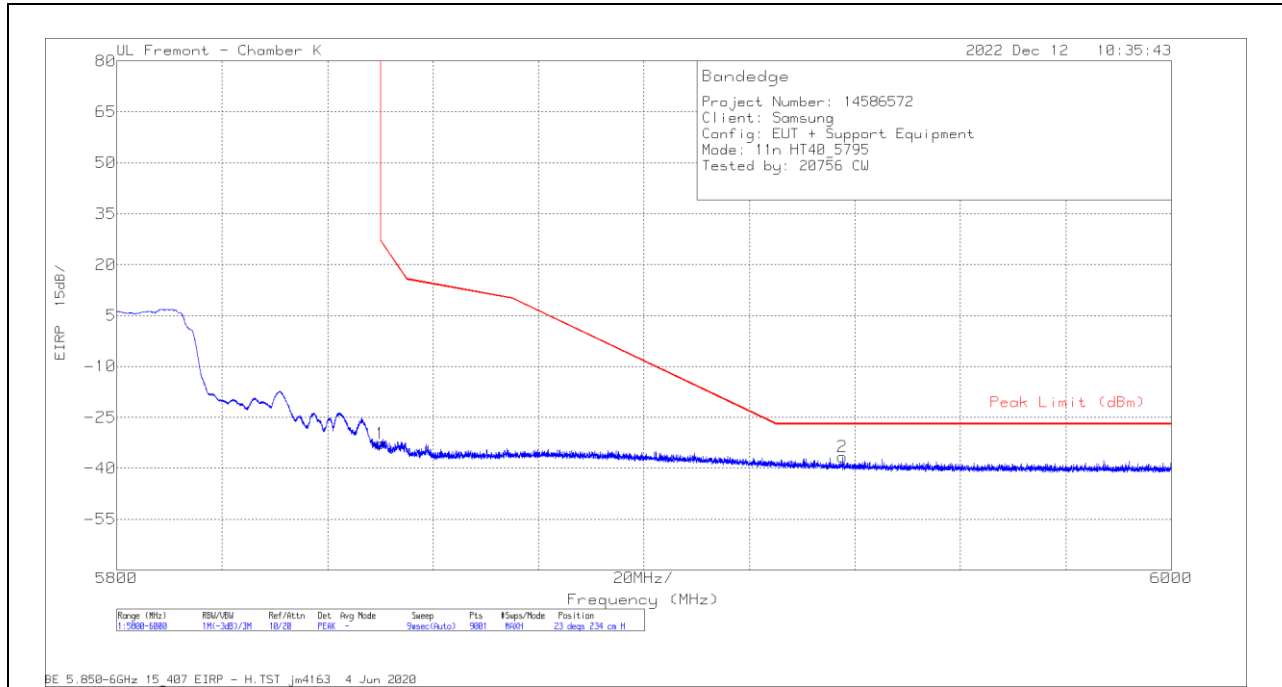
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5725	-47.6	Pk	34.7	-30.1	11.8	-31.2	27	-58.2	80	335	V
2	5625.636	-54.32	Pk	34.6	-30.3	11.8	-38.22	-27	-11.22	80	335	V

Pk - Peak detector

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT

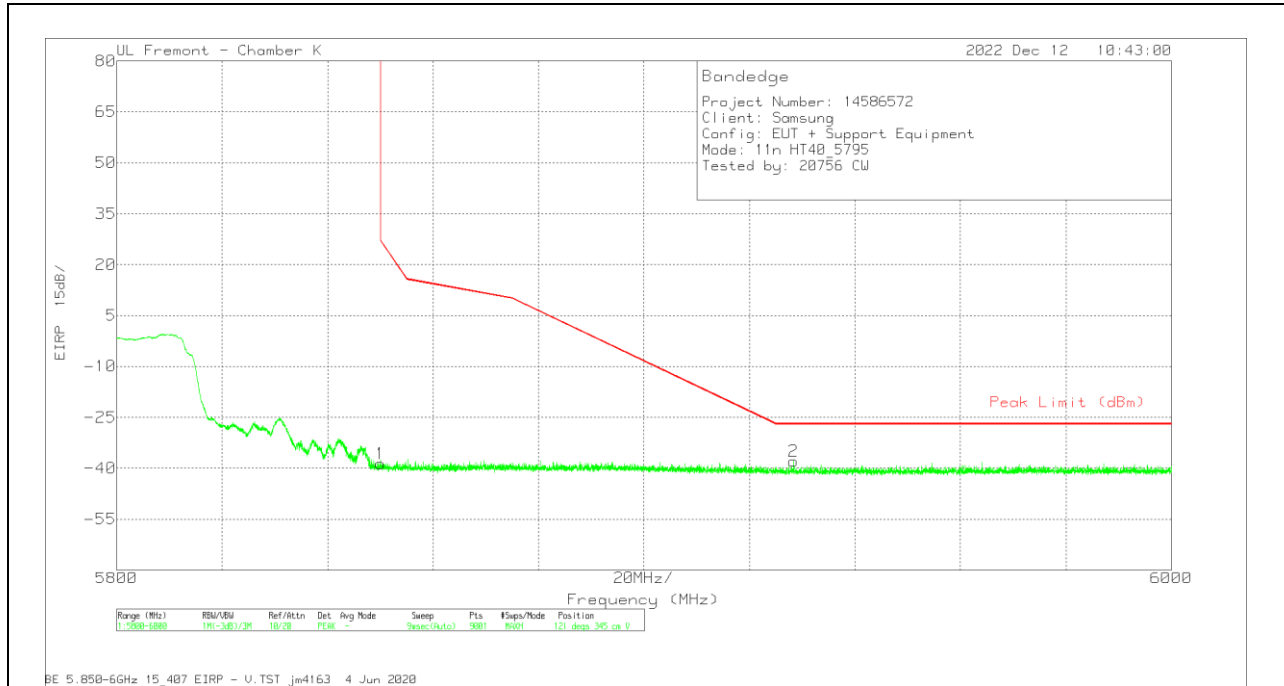


Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cb/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5850	-49.43	Pk	34.8	-29.9	11.8	-32.73	27	-59.73	23	234	H
2	5937.643	-53.49	Pk	34.9	-29.9	11.8	-36.69	-27	-9.69	23	234	H

Pk - Peak detector

VERTICAL RESULT



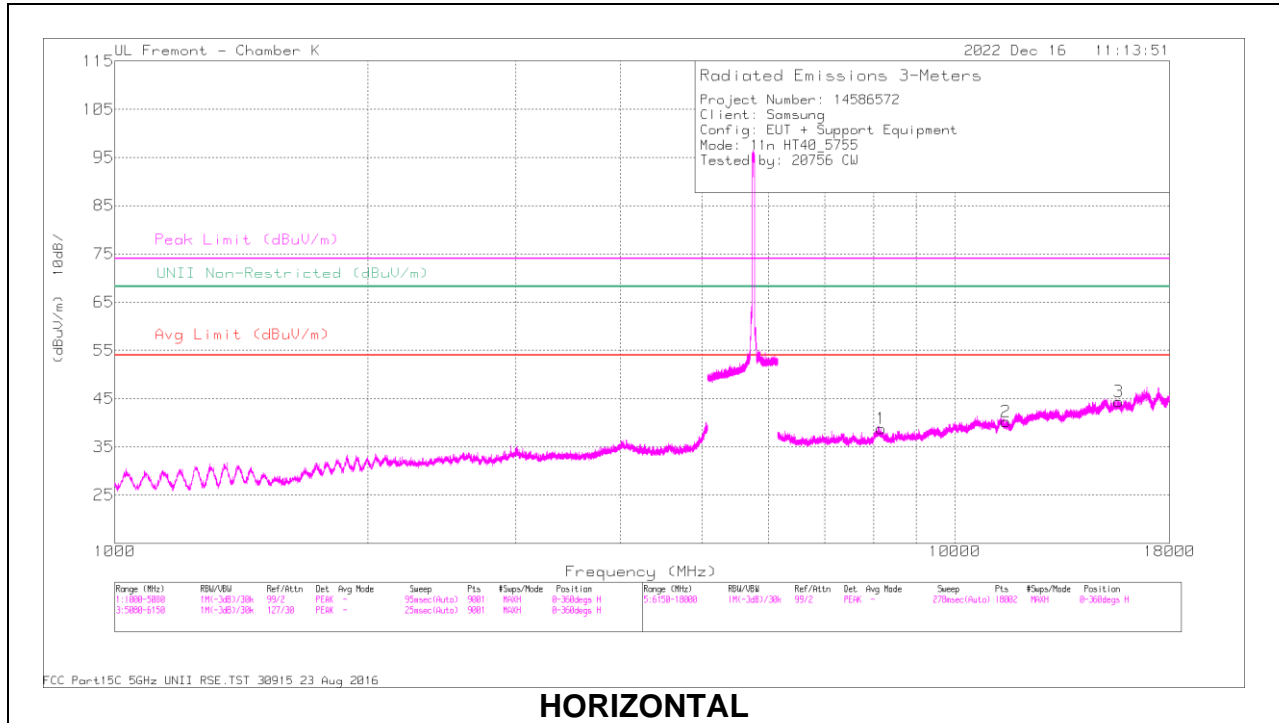
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5850	-55.27	Pk	34.8	-29.9	11.8	-38.57	27	-65.57	121	345	V
2	5928.399	-54.81	Pk	34.9	-29.8	11.8	-37.91	-27	-10.91	121	345	V

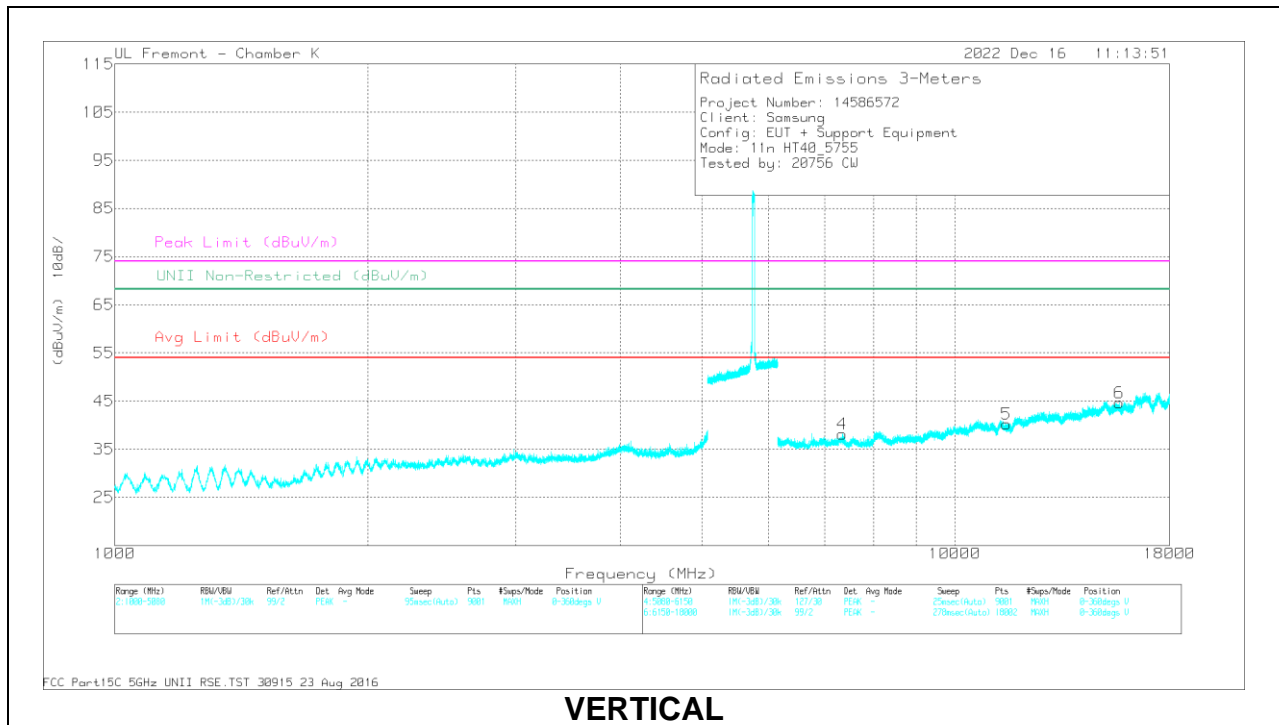
Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

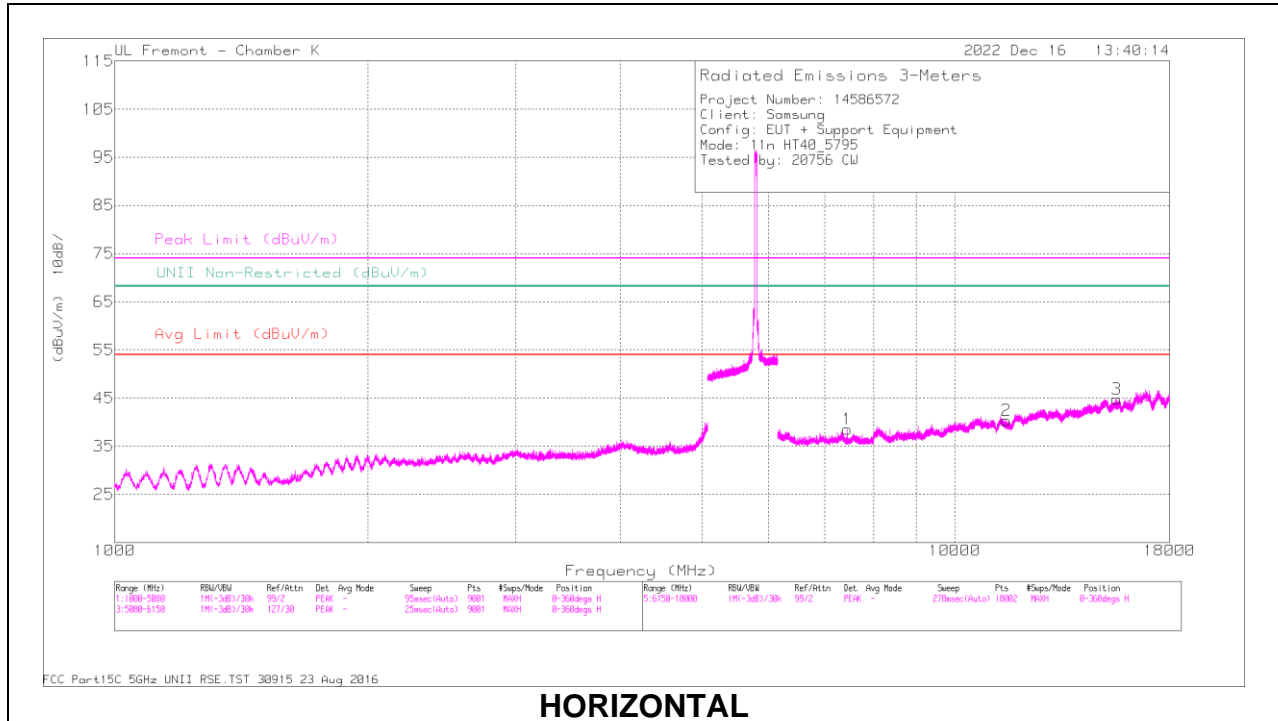
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Fitr (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 8163.394	49.93	PK-U	35.9	-37.8	0	48.03	-	-	74	-25.97	-	-	206	175	H
	* 8165.646	38.4	ADR	35.9	-37.7	.69	37.29	54	-16.71	-	-	-	-	206	175	H
2	* 11488.107	48.01	PK-U	37.9	-35.9	0	50.01	-	-	74	-23.99	-	-	192	182	H
	* 11488.095	36.32	ADR	37.9	-35.9	.69	39.01	54	-14.99	-	-	-	-	192	182	H
3	* 15654.59	46.77	PK-U	40.1	-33.1	0	53.77	-	-	74	-20.23	-	-	130	178	H
	* 15654.585	35.66	ADR	40.1	-33.1	.69	43.35	54	-10.65	-	-	-	-	130	178	H
4	* 7348.904	48.7	PK-U	35.7	-37	0	47.4	-	-	74	-26.6	-	-	167	310	V
	* 7346.968	36.95	ADR	35.7	-37	.69	36.34	54	-17.66	-	-	-	-	167	310	V
5	* 11521.891	48	PK-U	37.9	-35.7	0	50.2	-	-	74	-23.8	-	-	35	368	V
	* 11521.793	36.13	ADR	37.9	-35.7	.69	39.02	54	-14.98	-	-	-	-	35	368	V
6	* 15686.138	47.65	PK-U	40.1	-33.4	0	54.35	-	-	74	-19.65	-	-	193	217	V
	* 15686.057	35.74	ADR	40.1	-33.4	.69	43.13	54	-10.87	-	-	-	-	193	217	V

* - indicates frequency in CFR47 Pt 15

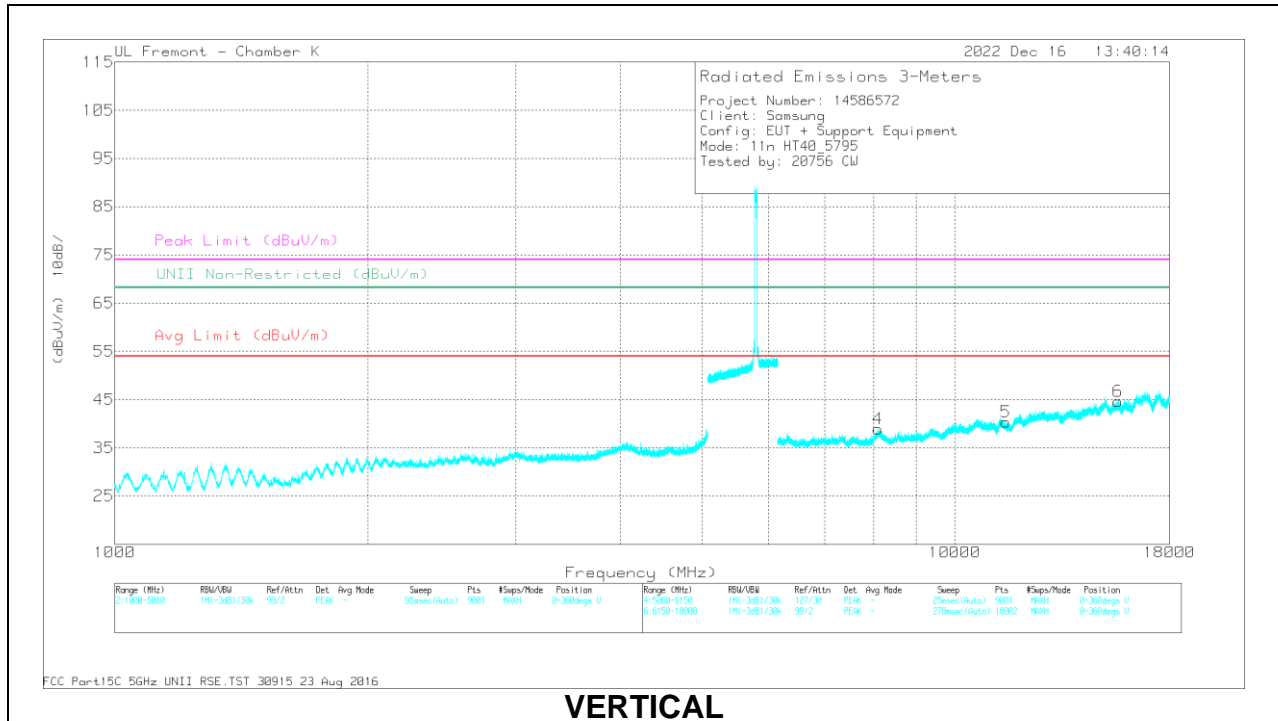
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Fitr (dB)	DCCF (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	* 7445.37	49.22	PK-U	35.7	-38.2	0	46.72	-	-	74	-27.28	-	-	336	223	H
	* 7445.766	37.45	ADR	35.7	-38.2	.69	35.64	54	-18.36	-	-	-	-	336	223	H
2	* 11522.858	47.74	PK-U	37.9	-35.7	0	49.94	-	-	74	-24.06	-	-	90	352	H
	* 11522.863	36.22	ADR	37.9	-35.7	.69	39.11	54	-14.89	-	-	-	-	90	352	H
3	* 15591.781	47	PK-U	40	-33.1	0	53.9	-	-	74	-20.1	-	-	64	311	H
	* 15592.112	35.42	ADR	40	-33.1	.69	43.01	54	-10.99	-	-	-	-	64	311	H
4	* 8105.132	50.1	PK-U	35.9	-37.4	0	48.6	-	-	74	-25.4	-	-	92	252	V
	* 8105.447	38.35	ADR	35.9	-37.3	.69	37.64	54	-16.36	-	-	-	-	92	252	V
5	* 11499.907	47.92	PK-U	37.9	-35.8	0	50.02	-	-	74	-23.98	-	-	348	332	V
	* 11500.106	36.24	ADR	37.9	-35.8	.69	39.03	54	-14.97	-	-	-	-	348	332	V
6	* 15621.576	46.91	PK-U	40.1	-33.2	0	53.81	-	-	74	-20.19	-	-	323	385	V
	* 15621.545	35.41	ADR	40.1	-33.2	.69	43	54	-11	-	-	-	-	323	385	V

* - indicates frequency in CFR47 Pt 15

PK-U - U-NII: Maximum Peak

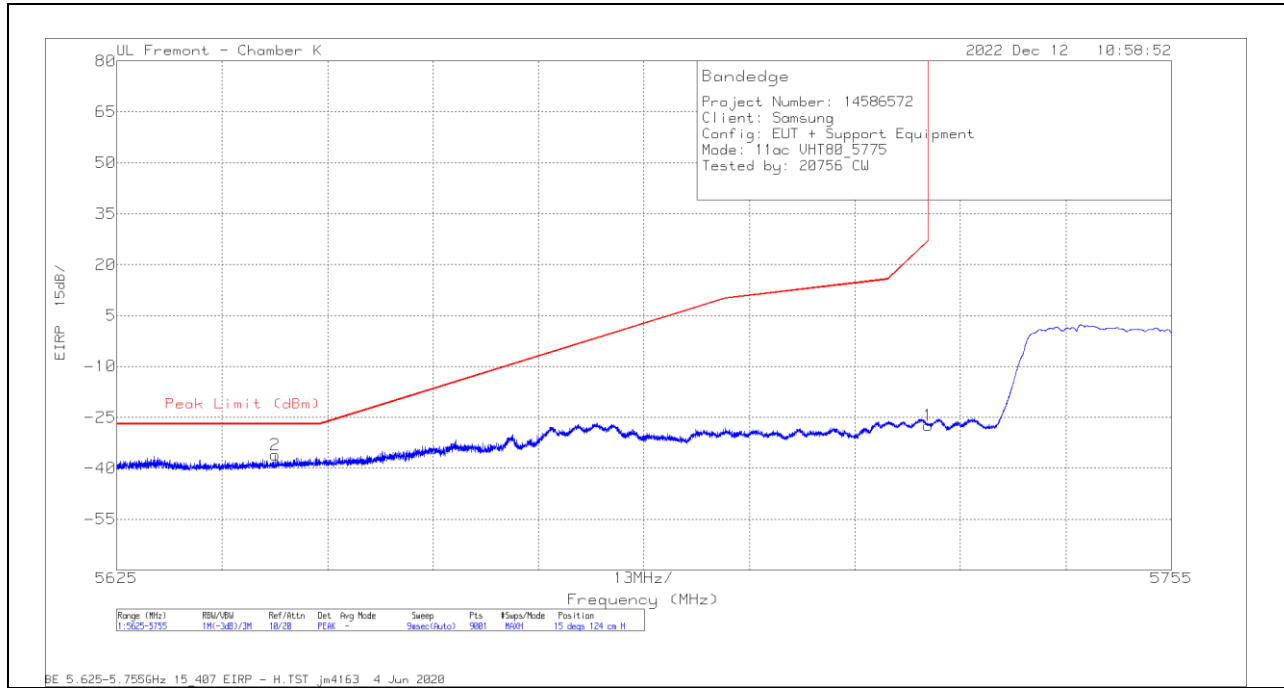
ADR - U-NII AD primary method, RMS average

10.1.16. TX ABOVE 1 GHz 802.11ac VHT80 MODE IN THE 5.8 GHz BAND

1TX Antenna 1 MODE

BANDEDGE (CHANNEL 155 LOW EDGE)

HORIZONTAL RESULT

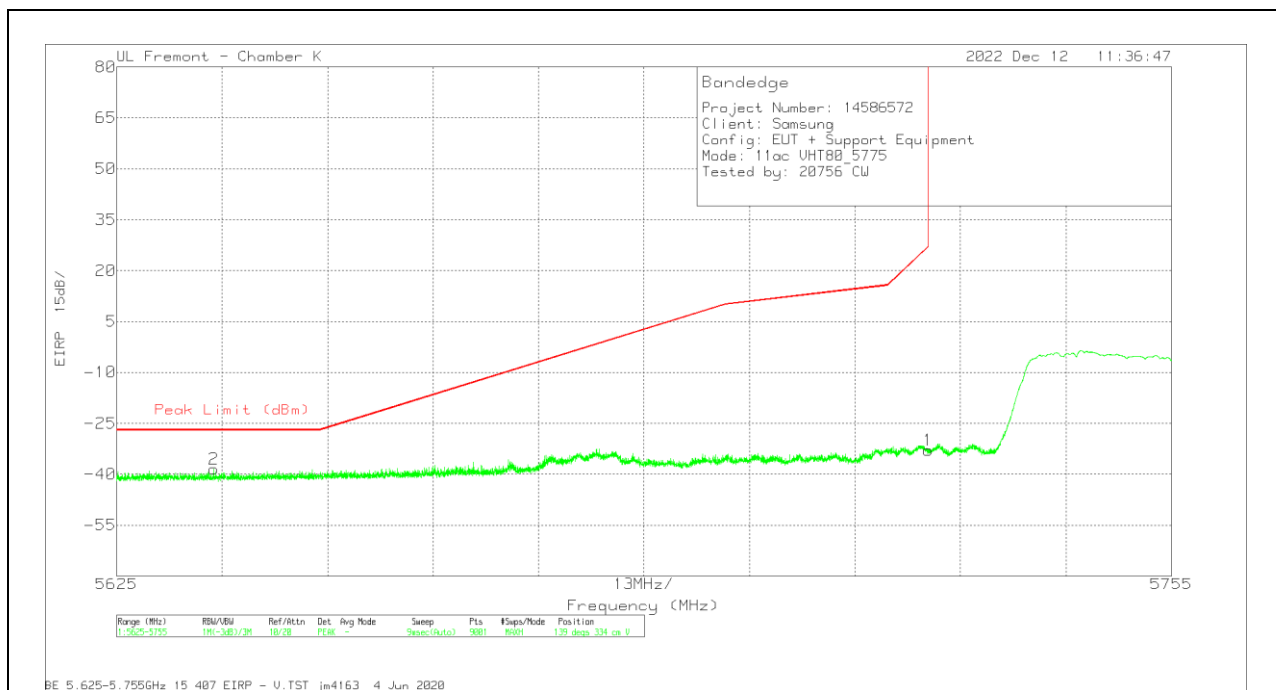


Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5725	-43.72	Pk	34.7	-30.1	11.8	-27.32	27	-54.32	15	124	H
2	5644.557	-52.35	Pk	34.6	-30.2	11.8	-36.15	-27	-9.15	15	124	H

Pk - Peak detector

VERTICAL RESULT



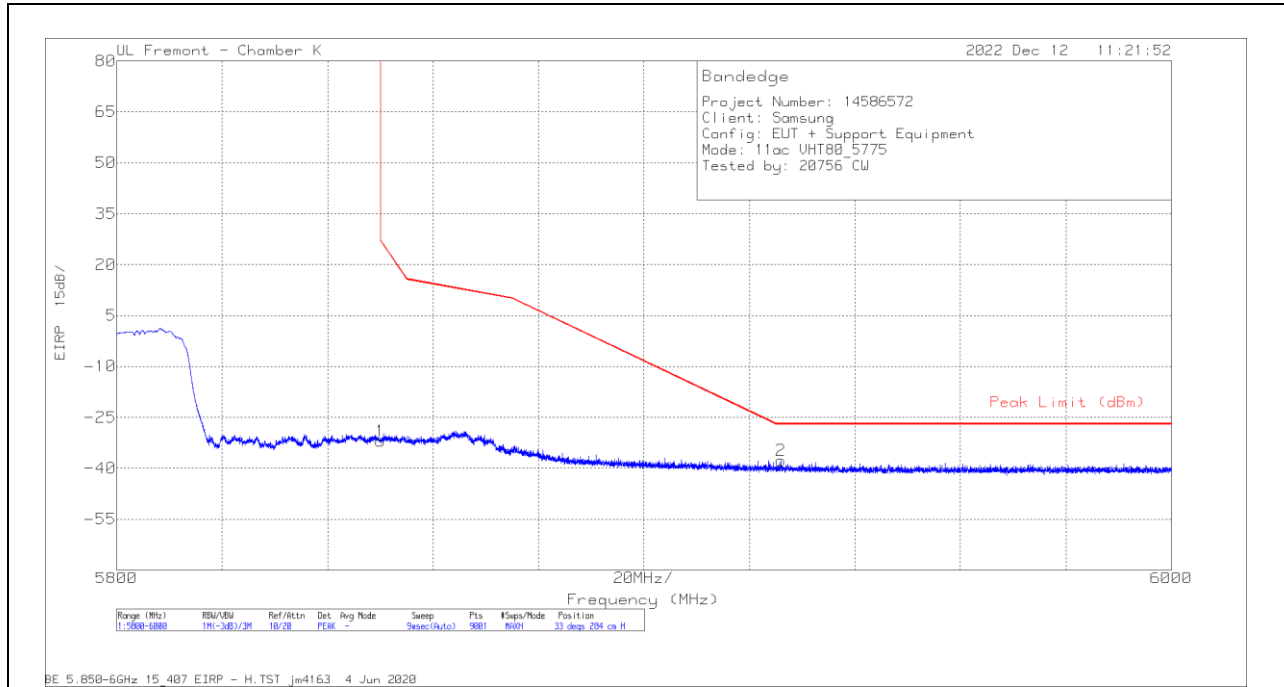
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5725	-49.42	Pk	34.7	-30.1	11.8	-33.02	27	-60.02	139	334	V
2	5636.945	-54.71	Pk	34.6	-30.2	11.8	-38.51	-27	-11.51	139	334	V

Pk - Peak detector

BANDEDGE (CHANNEL 155 HIGH EDGE)

HORIZONTAL RESULT

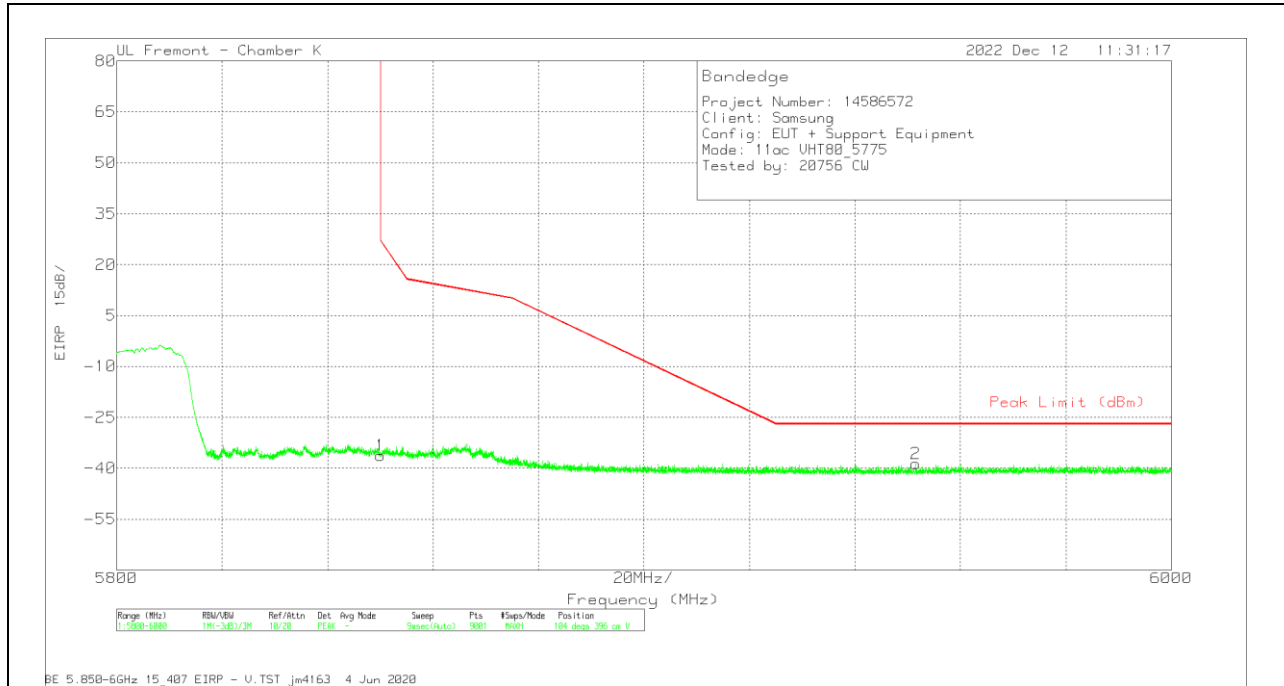


Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cb/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5850	-48.76	Pk	34.8	-29.9	11.8	-32.06	27	-59.06	33	284	H
2	5925.91	-54.64	Pk	34.9	-29.8	11.8	-37.74	-27	-10.74	33	284	H

Pk - Peak detector

VERTICAL RESULT



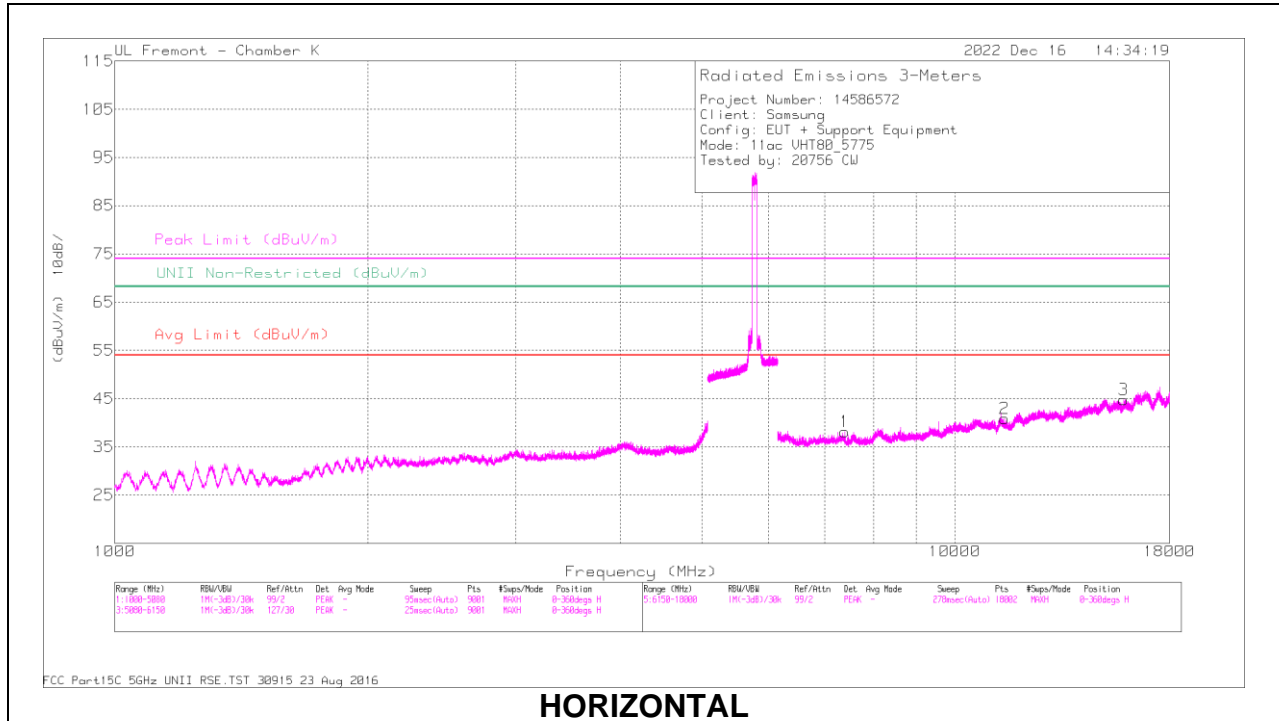
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5850	-52.9	Pk	34.8	-29.9	11.8	-36.2	27	-63.2	104	396	V
2	5951.51	-55.65	Pk	35	-29.8	11.8	-38.65	-27	-11.65	104	396	V

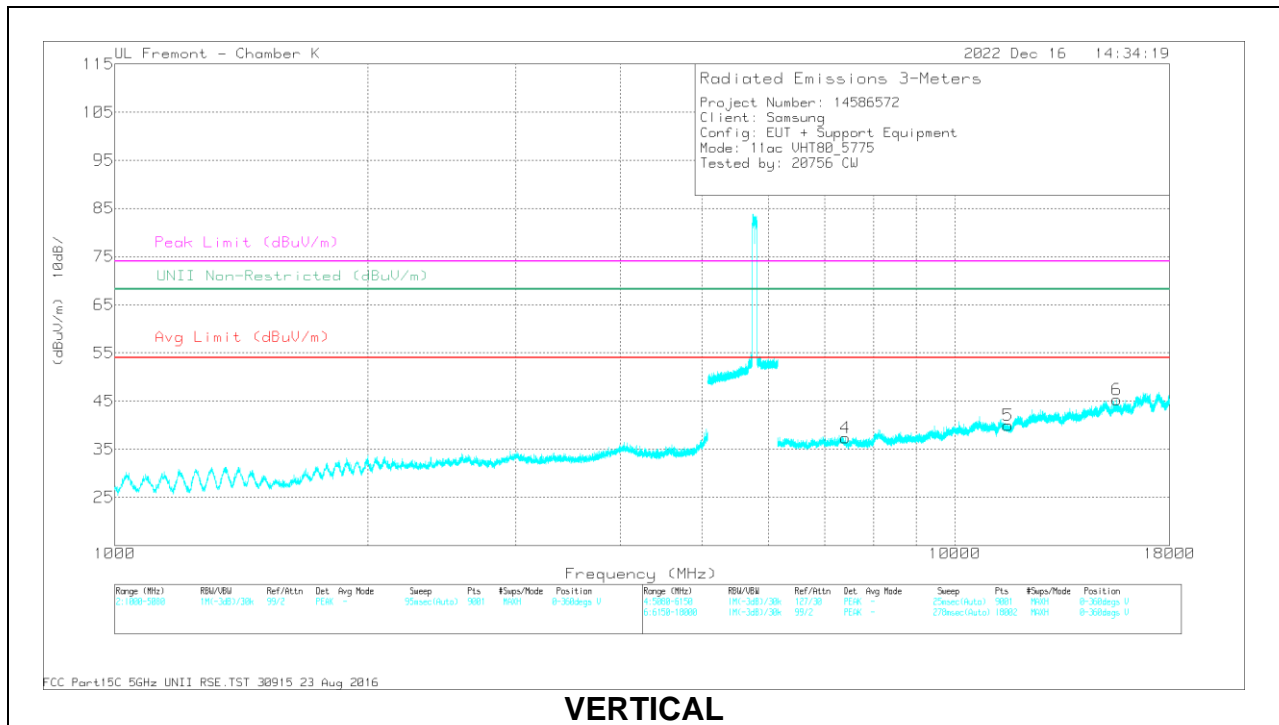
Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Fitr (dB)	DCCF (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	* 7393.425	49.16	PK-U	35.7	-37.7	0	47.16	-	-	74	-26.84	-	-	264	391	H
	* 7394.269	37.2	ADR	35.7	-37.7	1.21	36.41	54	-17.59	-	-	-	-	264	391	H
2	* 11455.234	48.19	PK-U	37.8	-35.7	0	50.29	-	-	74	-23.71	-	-	190	213	H
	* 11455.238	36.34	ADR	37.8	-35.7	1.21	39.65	54	-14.35	-	-	-	-	190	213	H
3	* 15889.65	46.46	PK-U	40.2	-32.9	0	53.76	-	-	74	-20.24	-	-	327	227	H
	* 15889.329	34.76	ADR	40.2	-32.9	1.21	43.27	54	-10.73	-	-	-	-	327	227	H
4	* 7406.423	49.38	PK-U	35.7	-37.9	0	47.18	-	-	74	-26.82	-	-	141	345	V
	* 7406.529	37.36	ADR	35.7	-37.9	1.21	36.37	54	-17.63	-	-	-	-	141	345	V
5	* 11566.29	47.97	PK-U	38	-35.5	0	50.47	-	-	74	-23.53	-	-	153	291	V
	* 11566.603	35.87	ADR	38	-35.6	1.21	39.48	54	-14.52	-	-	-	-	153	291	V
6	* 15578.684	47.24	PK-U	40	-33.2	0	54.04	-	-	74	-19.96	-	-	234	359	V
	* 15578.978	35.67	ADR	40	-33.2	1.21	43.68	54	-10.32	-	-	-	-	234	359	V

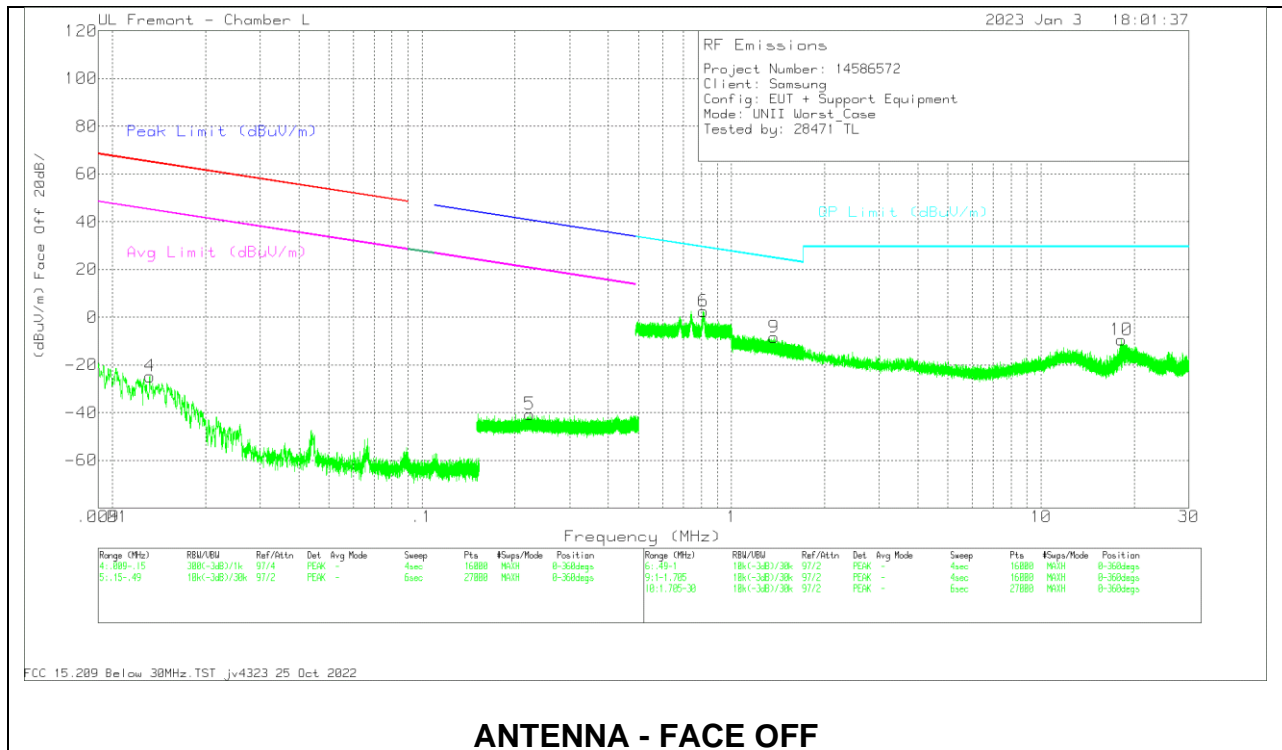
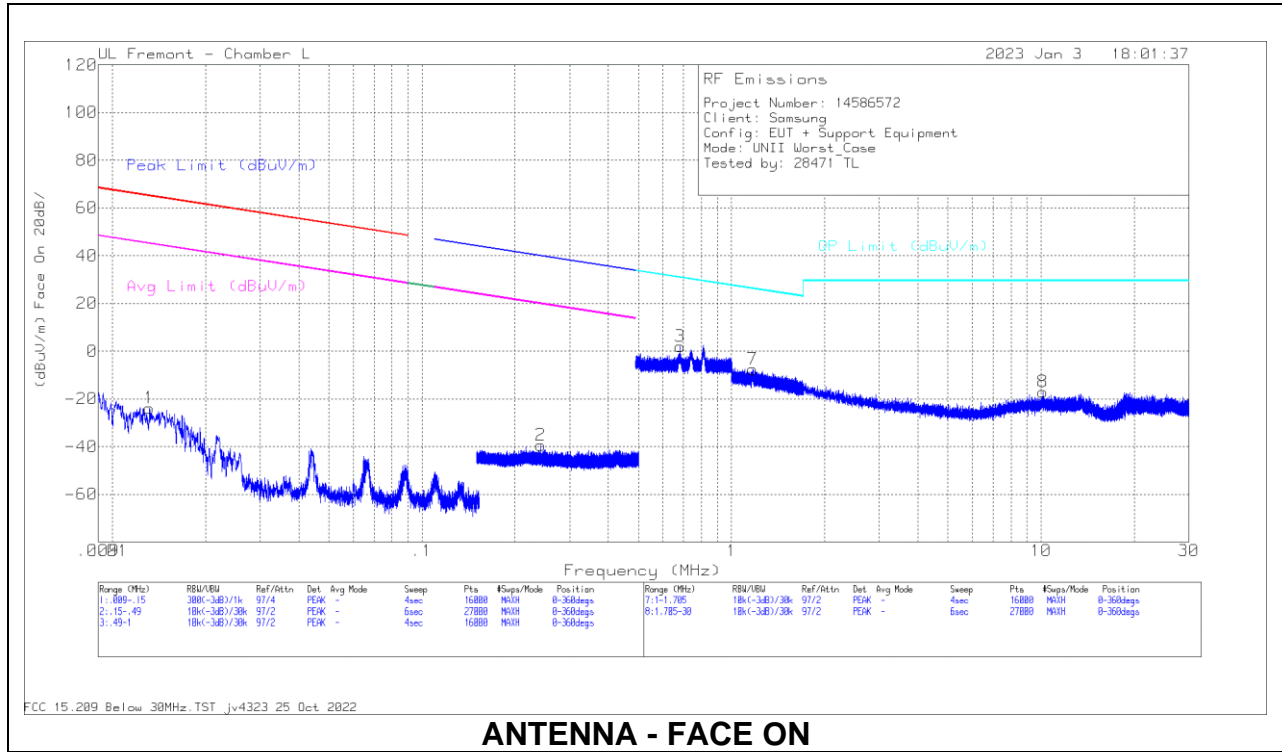
* - indicates frequency in CFR47 Pt 15

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

10.2. WORST CASE BELOW 30 MHz

SPURIOUS EMISSIONS BELOW 30 MHz (WORST-CASE CONFIGURATION)



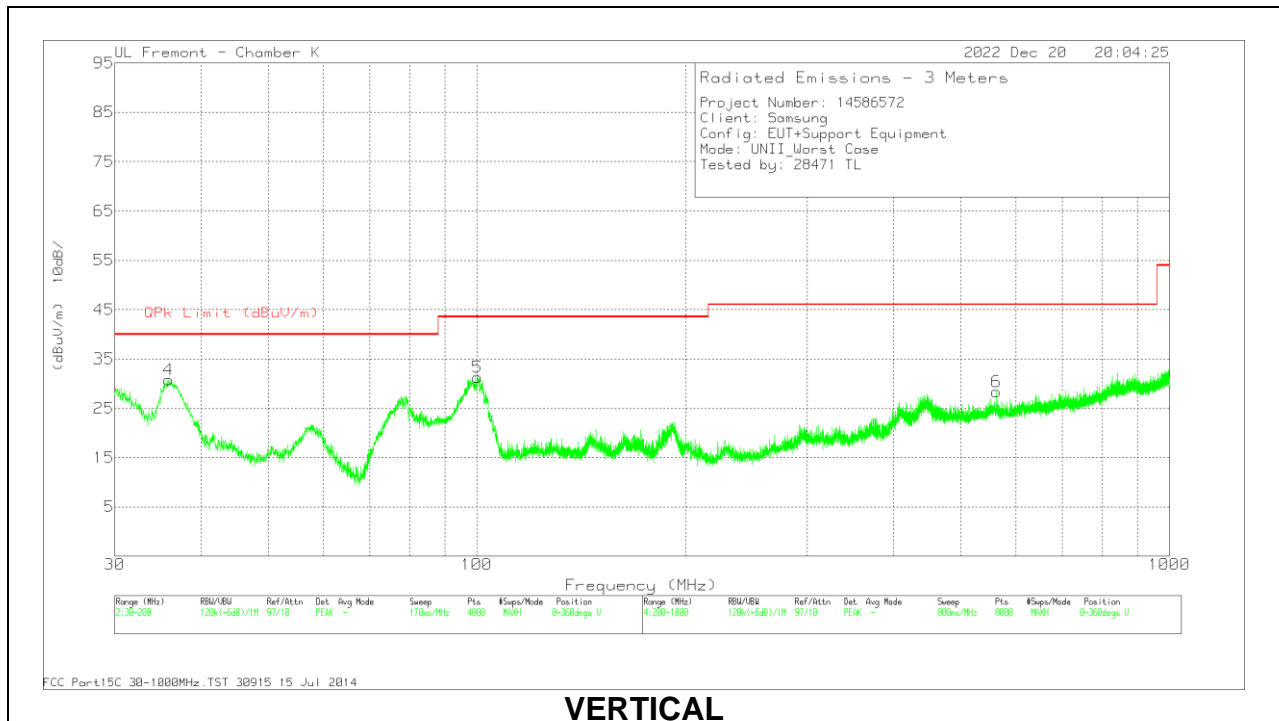
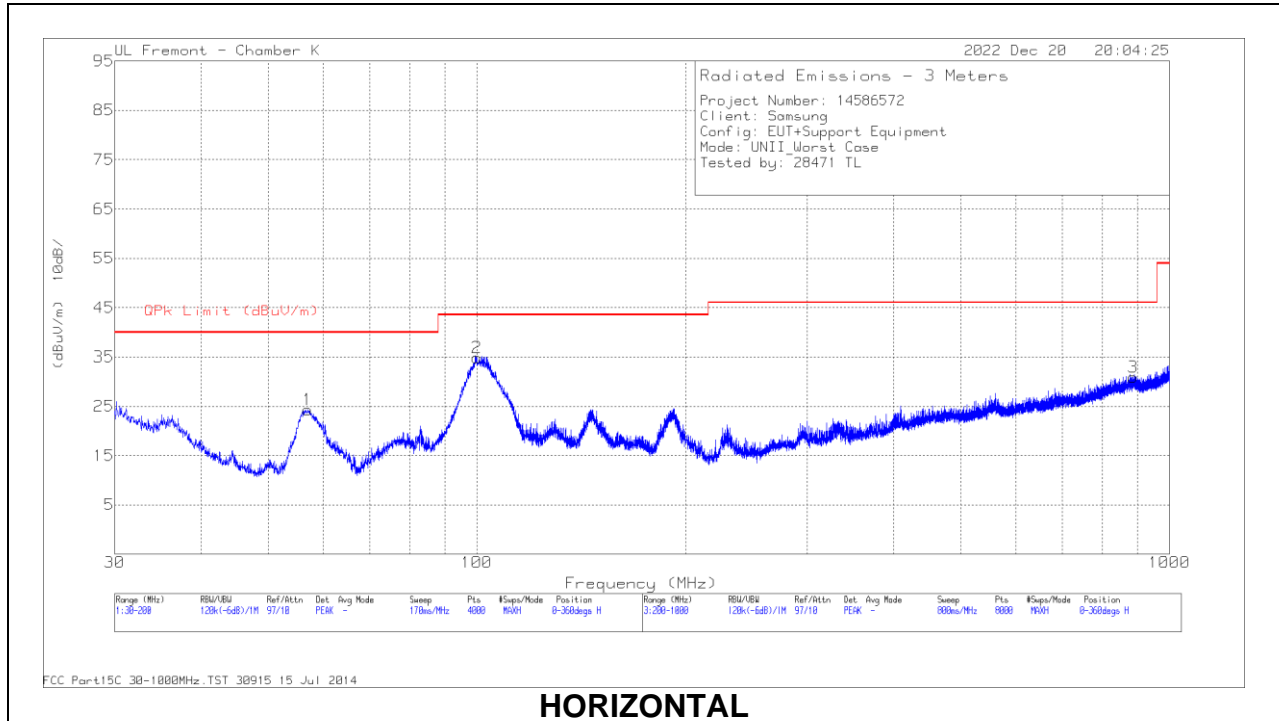
Below 30MHz Data

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E(ACF)	Amp/Cbl (dB)	Dist Corr 300m	Corrected Reading (dBuVolts)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Polarity (Degs)
1	.0132	25.82	Pk	59.9	-29.7	-80	-23.98	65.18	-89.16	45.18	-69.16	-	-	0-360	0-Deg
2	.2423	16.28	Pk	56.2	-32	-80	-39.52	39.93	-79.45	19.93	-59.45	-	-	0-360	0-Deg
3	.6818	17.76	Pk	56.2	-31.9	-40	2.06	-	-	-	-	30.94	-28.88	0-360	0-Deg
4	.0132	24.97	Pk	59.9	-29.7	-80	-24.83	65.17	-90	45.17	-70	-	-	0-360	90-Deg
5	.2232	15.17	Pk	56.2	-32	-80	-40.63	40.64	-81.27	20.64	-61.27	-	-	0-360	90-Deg
6	.811	18.2	Pk	56.2	-31.9	-40	2.5	-	-	-	-	29.44	-26.94	0-360	90-Deg
7	1.1711	18.35	Pk	46	-31.9	-40	-7.55	-	-	-	-	26.25	-33.8	0-360	0-Deg
8	10.1299	19.6	Pk	34.8	-31.6	-40	-17.2	-	-	-	-	29.5	-46.7	0-360	0-Deg
9	1.3694	18.56	Pk	45	-31.9	-40	-8.34	-	-	-	-	24.9	-33.24	0-360	90-Deg
10	18.1838	27.77	Pk	34.1	-31.4	-40	-9.53	-	-	-	-	29.5	-39.03	0-360	90-Deg

Pk - Peak detector

10.3. WORST CASE BELOW 1 GHz

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



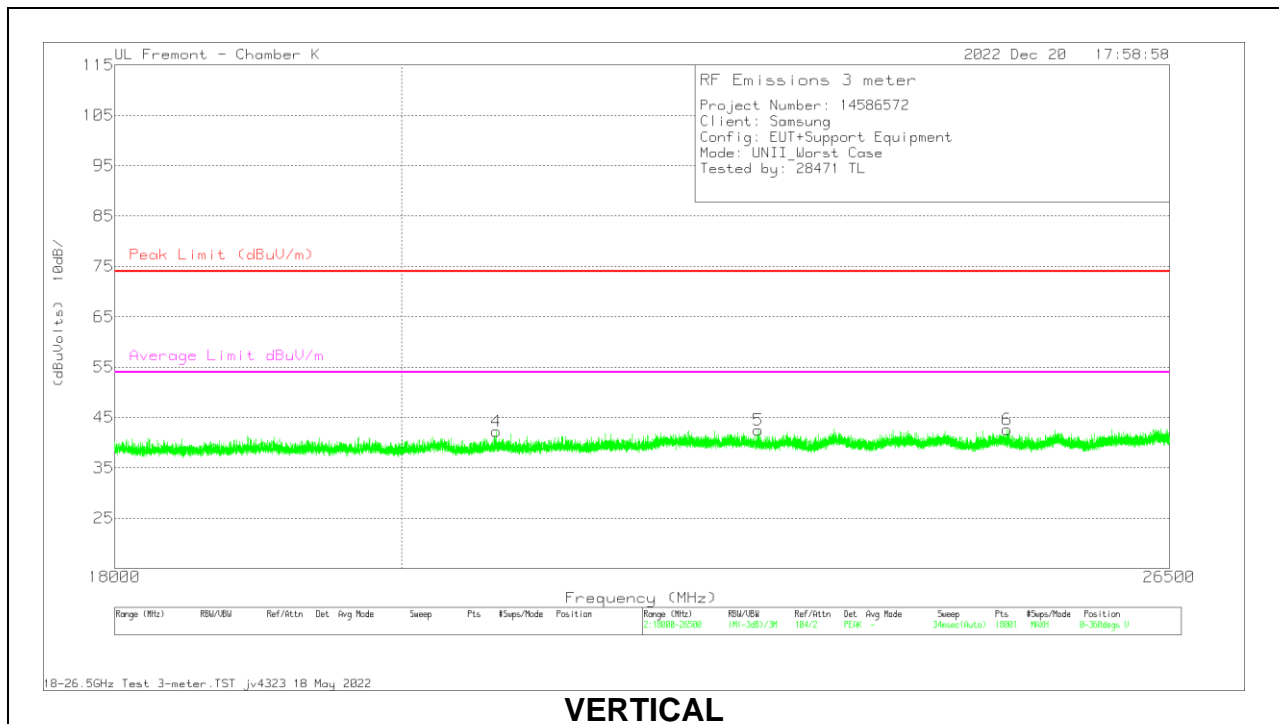
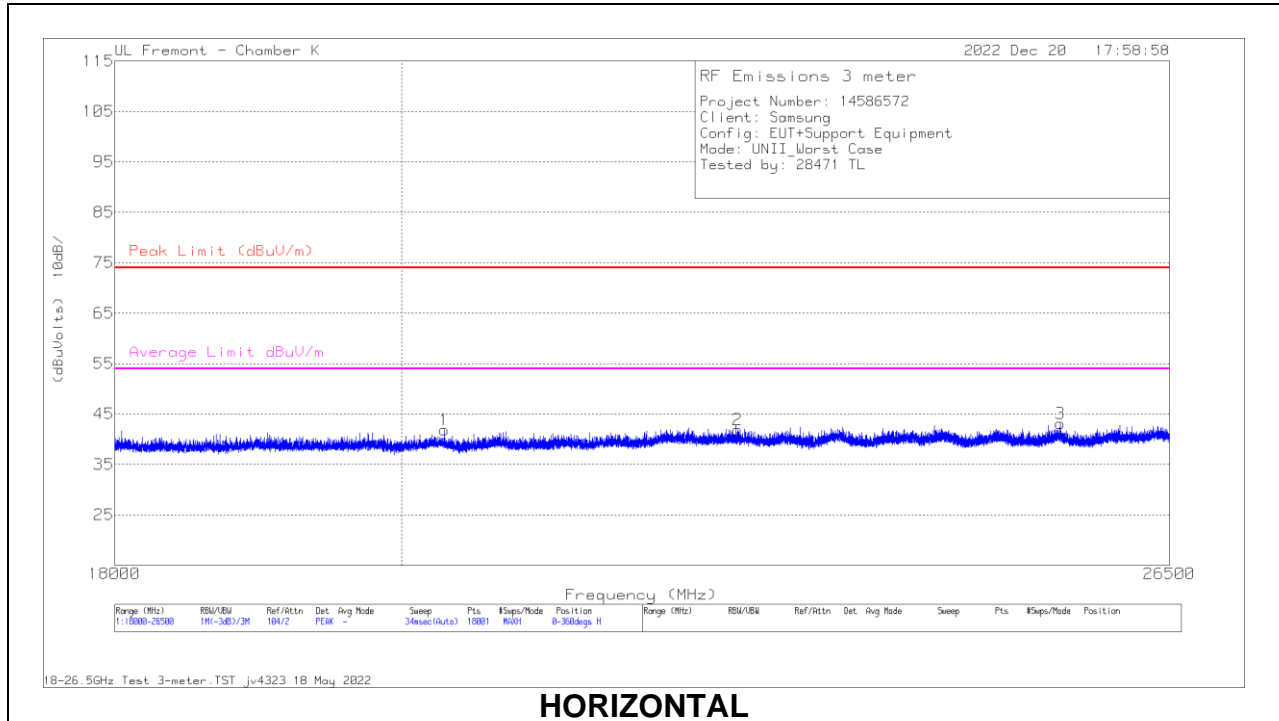
Below 1GHz Data

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Hybrid Antenna ACF(dB)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	57.037	42.25	Pk	13.2	-31.2	24.25	40	-15.75	0-360	399	H
2	99.9731	49.5	Pk	16.3	-30.9	34.9	43.52	-8.62	0-360	199	H
4	35.8665	39.5	Pk	22.8	-31.5	30.8	40	-9.2	0-360	100	V
5	100.271	45.9	Pk	16.3	-30.9	31.3	43.52	-12.22	0-360	100	V
3	885.789	28.86	Pk	28.9	-26.9	30.86	46.02	-15.16	0-360	199	H
6	562.447	32.16	Pk	24.9	-28.7	28.36	46.02	-17.66	0-360	101	V

Pk - Peak detector

10.4. WORST CASE 18-26 GHz

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



18 – 26GHz Data

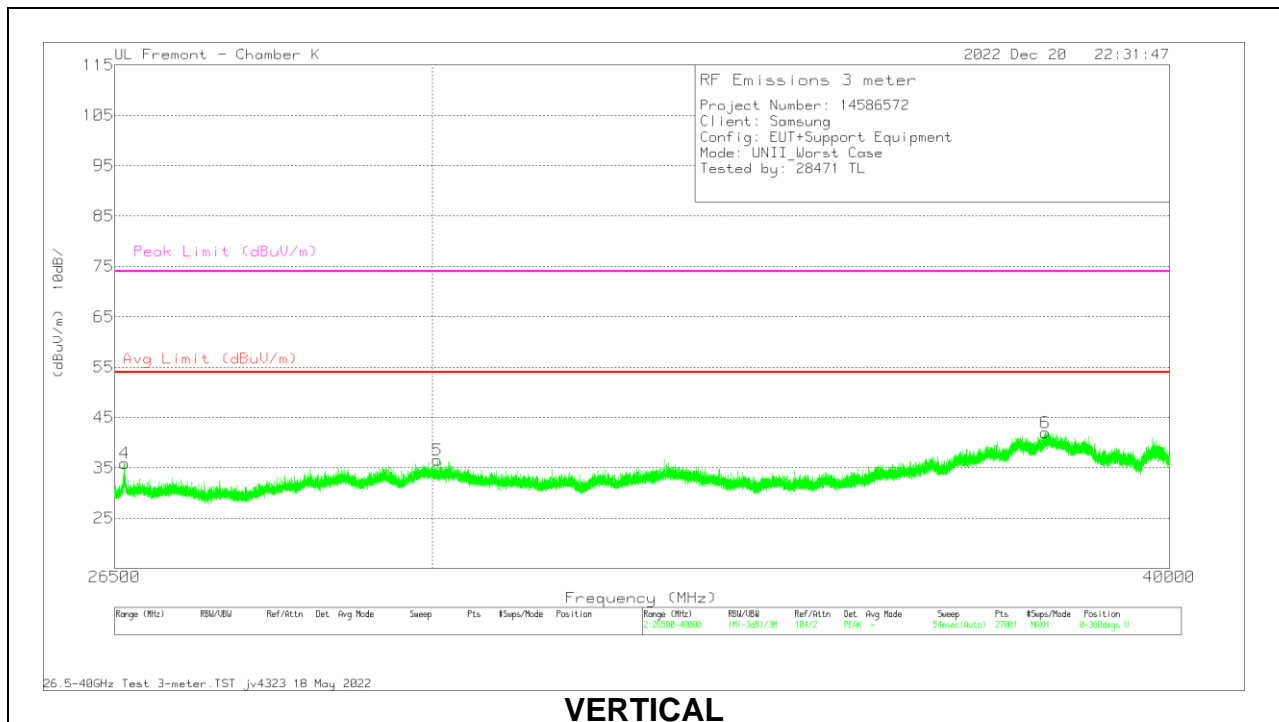
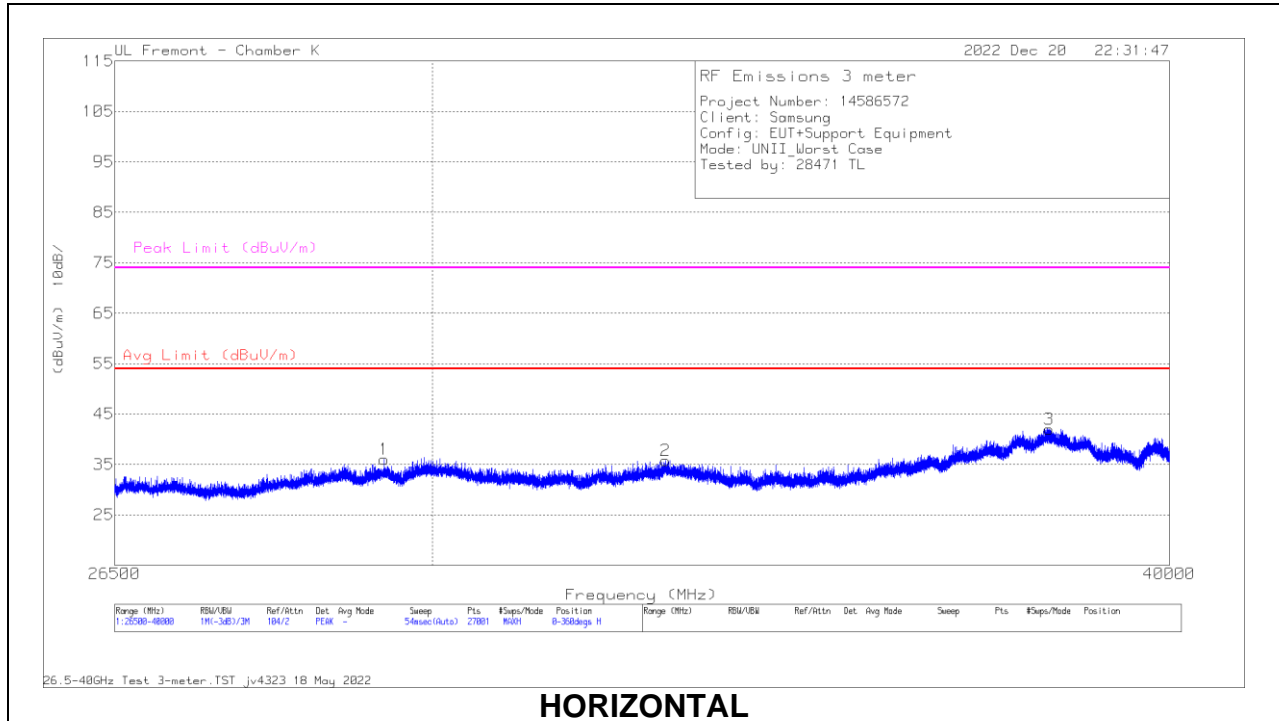
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	172364 AF (dB)	215705 amp/cbl (dB)	Cables (dB)	Corrected Reading (dBuVolts)	Peak Limit (dBuV/m)	PK Margin (dB)	Average Limit dBuV/m	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 20315.304	50.13	Pk	33	-59.9	18.6	41.83	74	-32.17	54	-12.17	0-360	200	H
2	* 22619.748	49.53	Pk	33.7	-61	19.6	41.83	74	-32.17	54	-12.17	0-360	101	H
3	25463.469	48.91	Pk	34.4	-61.1	20.9	43.11	74	-30.89	54	-10.89	0-360	101	H
4	* 20704.888	49.69	Pk	33.2	-59.5	18.9	42.29	74	-31.71	54	-11.71	0-360	101	V
5	* 22789.276	50	Pk	33.7	-60.9	19.7	42.5	74	-31.5	54	-11.5	0-360	101	V
6	24969.525	48.67	Pk	34.4	-61.2	20.7	42.57	74	-31.43	54	-11.43	0-360	101	V

* - indicates frequency in CFR47 Pt 15

Pk - Peak detector

10.5. WORST CASE 26-40 GHz

SPURIOUS EMISSIONS 26-40 GHz (WORST-CASE CONFIGURATION)



26 – 40GHz Data

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	172365 AF (dB/m)	172345 amp/cbl (dB)	Cables (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	29438	48.85	Pk	36	-71.4	22.6	36.05	54	-17.95	74	-37.95	0-360	200	H
2	32860	45.72	Pk	36.8	-70.9	24.1	35.72	54	-18.28	74	-38.28	0-360	200	H
3	38163	45.88	Pk	38.4	-68.7	26.4	41.98	54	-12.02	74	-32.02	0-360	200	H
4	26607	54.28	Pk	35.6	-75.5	21.5	35.88	54	-18.12	74	-38.12	0-360	200	V
5	30060	47.36	Pk	36.5	-70.2	22.9	36.56	54	-17.44	74	-37.44	0-360	200	V
6	38104	46.1	Pk	37.7	-68.3	26.5	42	54	-12	74	-32	0-360	101	V

Pk - Peak detector

11. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

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.

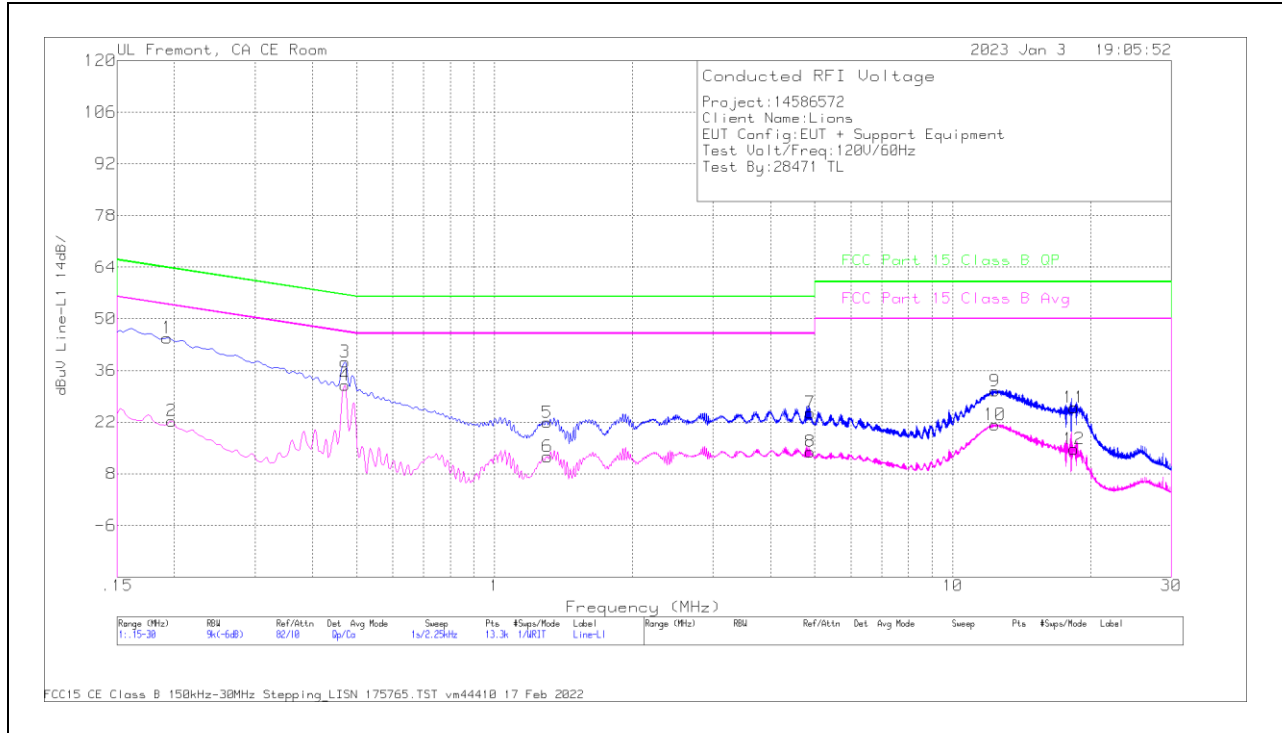
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

AC Power Line Norm

LINE 1 RESULTS



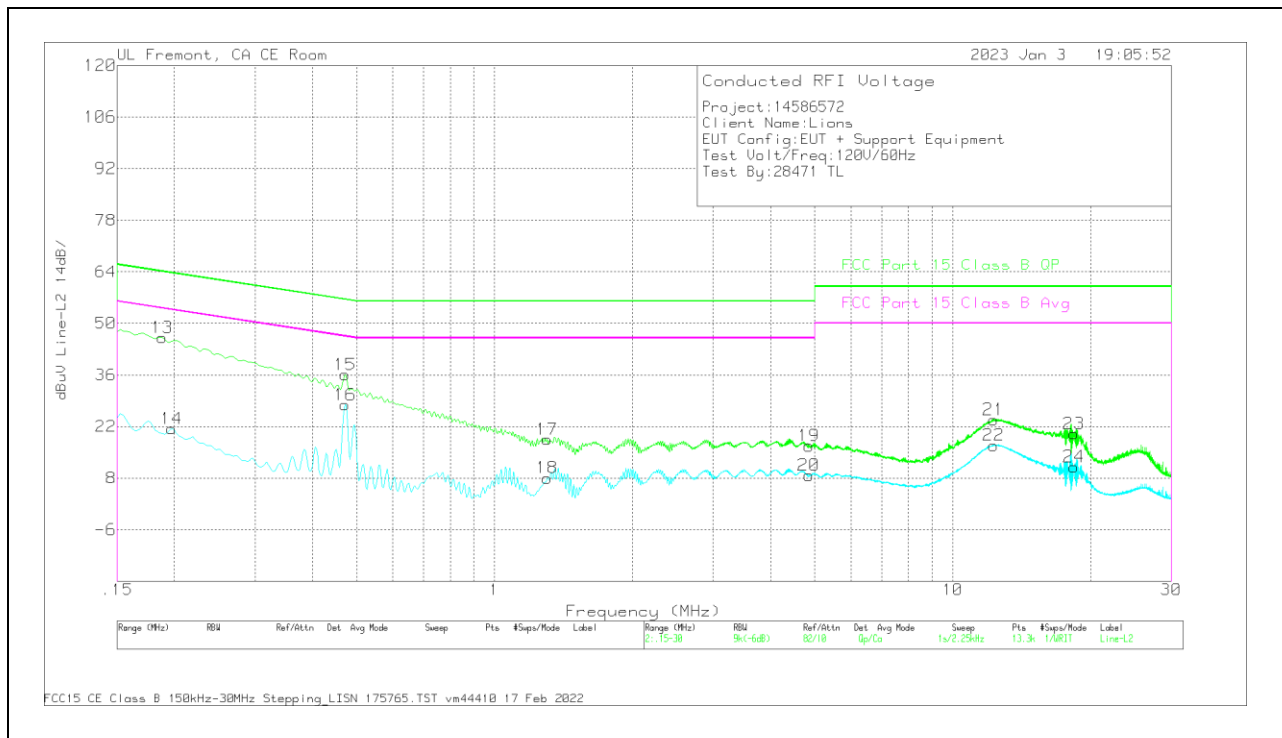
Trace Markers

Range 1: Line-L1 .15 - 30MHz												
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175765 LISN L1	C1&C3 cable path loss	207996 Limiter with short cabl	Corrected Reading dBuV	FCC Part 15 Class B QP	QP Margin (dB)	FCC Part 15 Class B Avg	Av(CISPR)M argin (dB)	
2	.1973	12.84	Ca	.1	0	9.4	22.34	-	-	53.73	-31.39	
4	.4718	22.6	Ca	0	.1	9.3	32	-	-	46.48	-14.48	
6	1.3043	3.27	Ca	0	.1	9.3	12.67	-	-	46	-33.33	
8	4.8818	4.6	Ca	0	.1	9.3	14	-	-	46	-32	
10	12.3563	11.71	Ca	.1	.2	9.3	21.31	-	-	50	-28.69	
12	18.3863	5.01	Ca	.1	.3	9.3	14.71	-	-	50	-35.29	
1	.1928	35.31	Qp	.1	0	9.4	44.81	63.92	-19.11	-	-	
3	.4718	28.95	Qp	0	.1	9.3	38.35	56.48	-18.13	-	-	
5	1.302	12.53	Qp	0	.1	9.3	21.93	56	-34.07	-	-	
7	4.8818	15.11	Qp	0	.1	9.3	24.51	56	-31.49	-	-	
9	12.3563	20.84	Qp	.1	.2	9.3	30.44	60	-29.56	-	-	
11	18.3818	16.25	Qp	.1	.3	9.3	25.95	60	-34.05	-	-	

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	175765 LISN L2	C2&C3 cable path loss	207996 Limiter with short cabl	Corrected Reading dBuV	FCC Part 15 Class B QP	QP Margin (dB)	FCC Part 15 Class B Avg	Av(CISPR)M argin (dB)
14	.1973	12	Ca	0	0	9.4	21.4	-	-	53.73	-32.33
16	.4718	18.47	Ca	0	.1	9.3	27.87	-	-	46.48	-18.61
18	1.302	-1.37	Ca	0	.1	9.3	8.03	-	-	46	-37.97
20	4.8503	-.65	Ca	0	.1	9.3	8.75	-	-	46	-37.25
22	12.282	7.3	Ca	.1	.2	9.3	16.9	-	-	50	-33.1
24	18.3885	1.33	Ca	.1	.3	9.3	11.03	-	-	50	-38.97
13	.1883	36.61	Qp	.1	0	9.4	46.11	64.11	-18	-	-
15	.4718	26.68	Qp	0	.1	9.3	36.08	56.48	-20.4	-	-
17	1.302	9.12	Qp	0	.1	9.3	18.52	56	-37.48	-	-
19	4.8548	7.34	Qp	0	.1	9.3	16.74	56	-39.26	-	-
21	12.282	14.22	Qp	.1	.2	9.3	23.82	60	-36.18	-	-
23	18.3829	10.34	Qp	.1	.3	9.3	20.04	60	-39.96	-	-

Qp - Quasi-Peak detector

Ca - CISPR average detection