

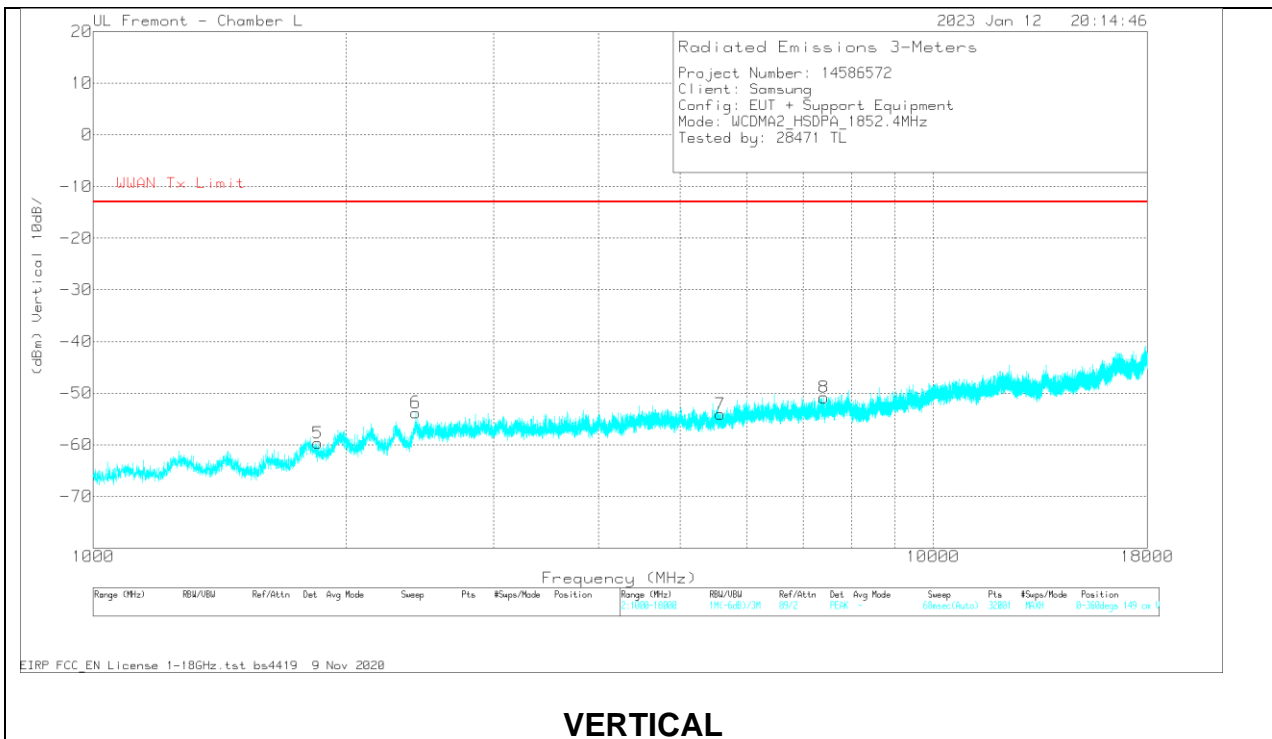
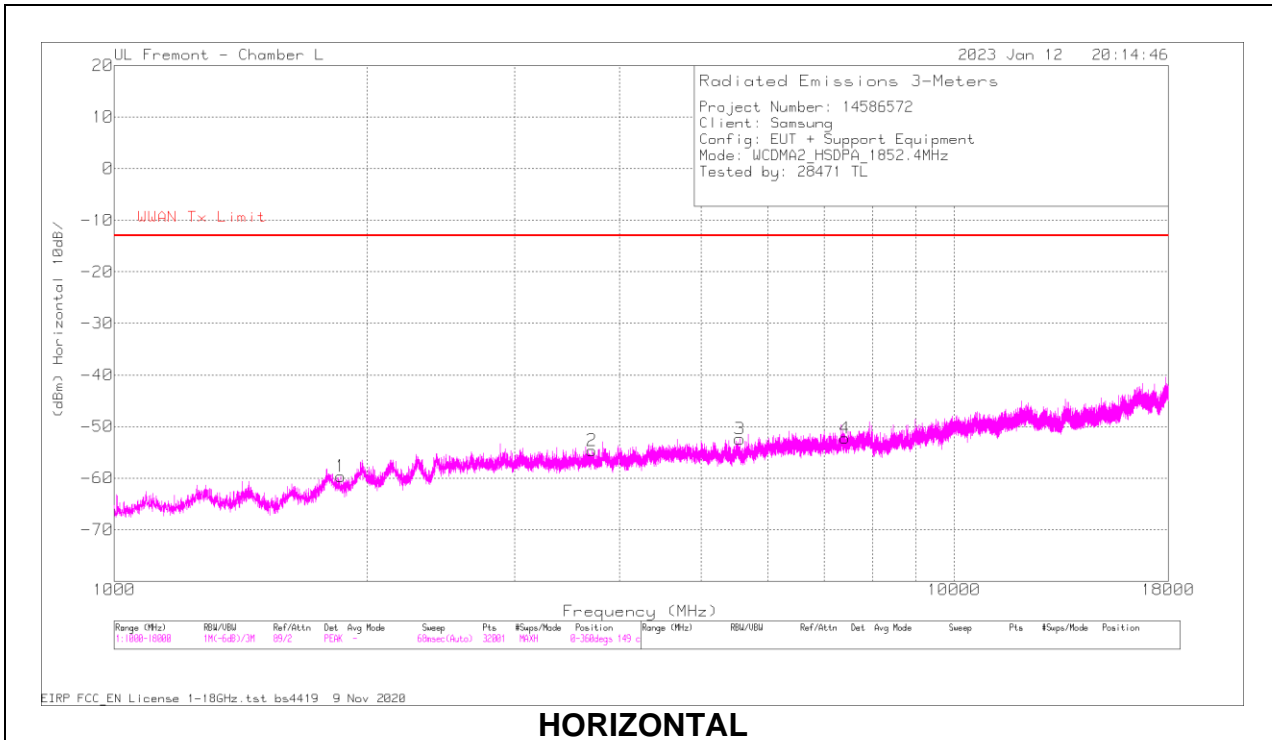
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	206806 ACF (dB) 3mH	Amp/Cbl (dB)	EIRP CF	Corrected Reading (dBm)	WWAN Harmonics Limit	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
LOW CH 1852.4 MHz												
1	3705.656	34.99	Pk	33.5	-28.5	-95.2	-55.21	-13	-42.21	0-360	149	H
2	5560.25	37.03	Pk	34.7	-25.9	-95.2	-49.37	-13	-36.37	0-360	149	H
3	7421.75	31.88	Pk	36	-23.4	-95.2	-50.72	-13	-37.72	0-360	149	H
4	3712.563	36.19	Pk	33.5	-28.5	-95.2	-54.01	-13	-41.01	0-360	149	V
5	5559.719	34.04	Pk	34.7	-25.9	-95.2	-52.36	-13	-39.36	0-360	149	V
6	7430.25	31.37	Pk	36	-23.5	-95.2	-51.33	-13	-38.33	0-360	149	V
MID CH 1880 MHz												
1	3739.656	34.85	Pk	33.6	-28.3	-95.2	-55.05	-13	-42.05	0-360	149	H
2	5643.125	36.83	Pk	34.8	-26	-95.2	-49.57	-13	-36.57	0-360	149	H
3	7536.5	31.11	Pk	36.1	-22.9	-95.2	-50.89	-13	-37.89	0-360	149	H
4	3760.906	34.4	Pk	33.6	-28.2	-95.2	-55.4	-13	-42.4	0-360	149	V
5	5639.406	35.34	Pk	34.7	-26	-95.2	-51.16	-13	-38.16	0-360	149	V
6	7534.906	31.53	Pk	36.1	-22.9	-95.2	-50.47	-13	-37.47	0-360	149	V
HIGH CH 1907.6 MHz												
1	3807.656	34.88	Pk	33.6	-27.9	-95.2	-54.62	-13	-41.62	0-360	149	H
2	5725.469	39.32	Pk	35.1	-26	-95.2	-46.78	-13	-33.78	0-360	149	H
3	7663.469	30.43	Pk	36.1	-22.6	-95.2	-51.27	-13	-38.27	0-360	149	H
4	3810.844	35.41	Pk	33.6	-27.9	-95.2	-54.09	-13	-41.09	0-360	149	V
5	5721.219	36.92	Pk	35	-26	-95.2	-49.28	-13	-36.28	0-360	149	V
6	7611.406	30.28	Pk	36	-23	-95.2	-51.92	-13	-38.92	0-360	149	V

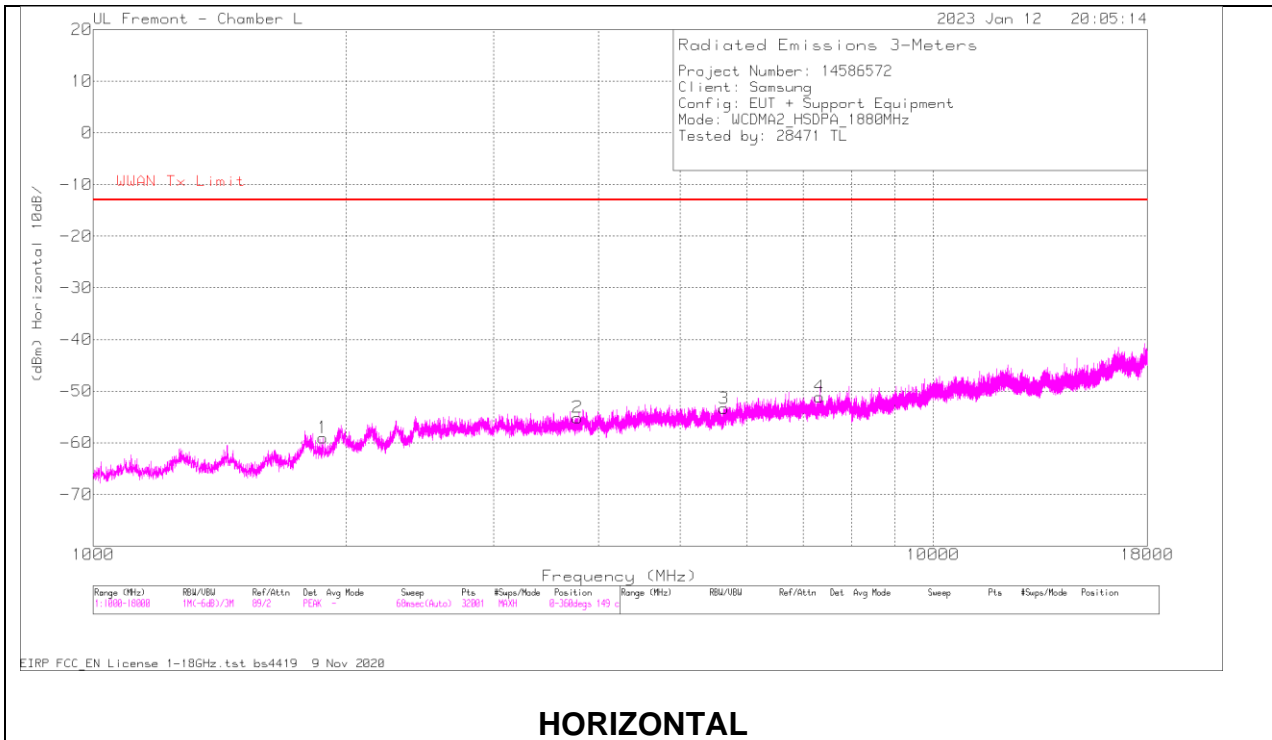
Pk - Peak detector

HSDPA MODE

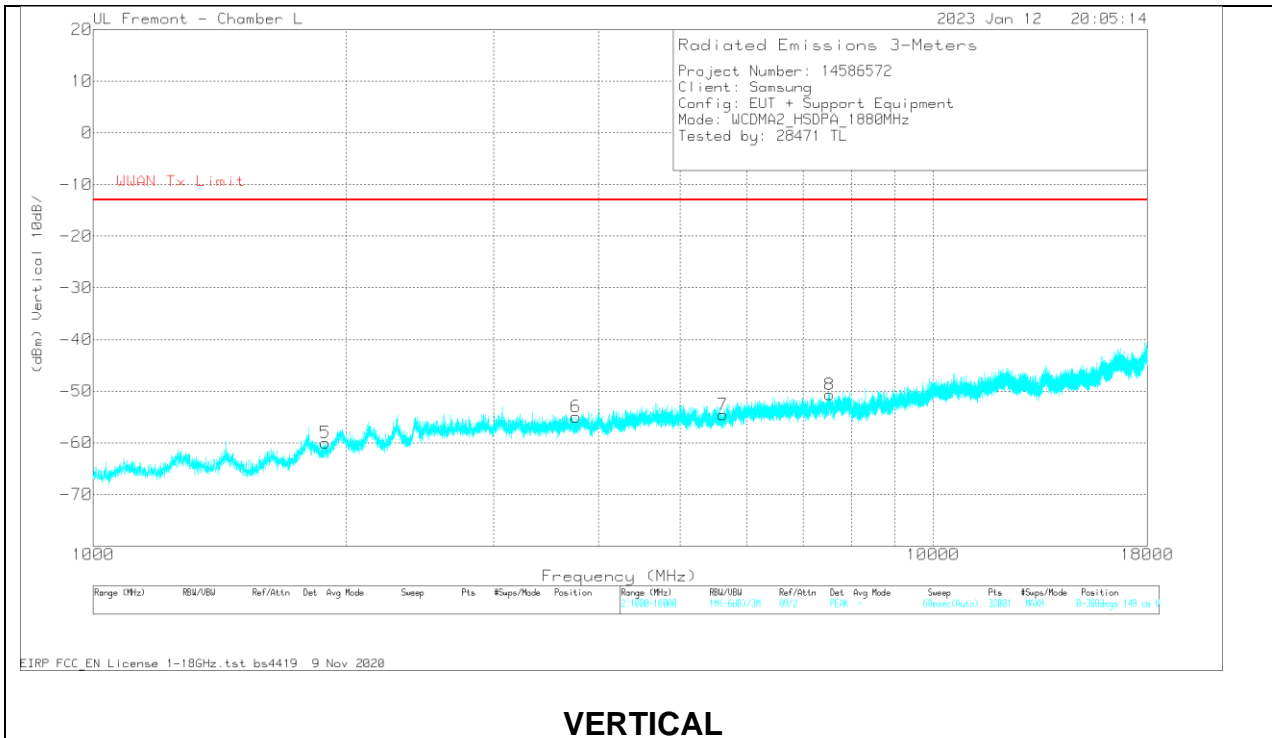
LOW CHANNEL RESULTS



MID CHANNEL RESULTS

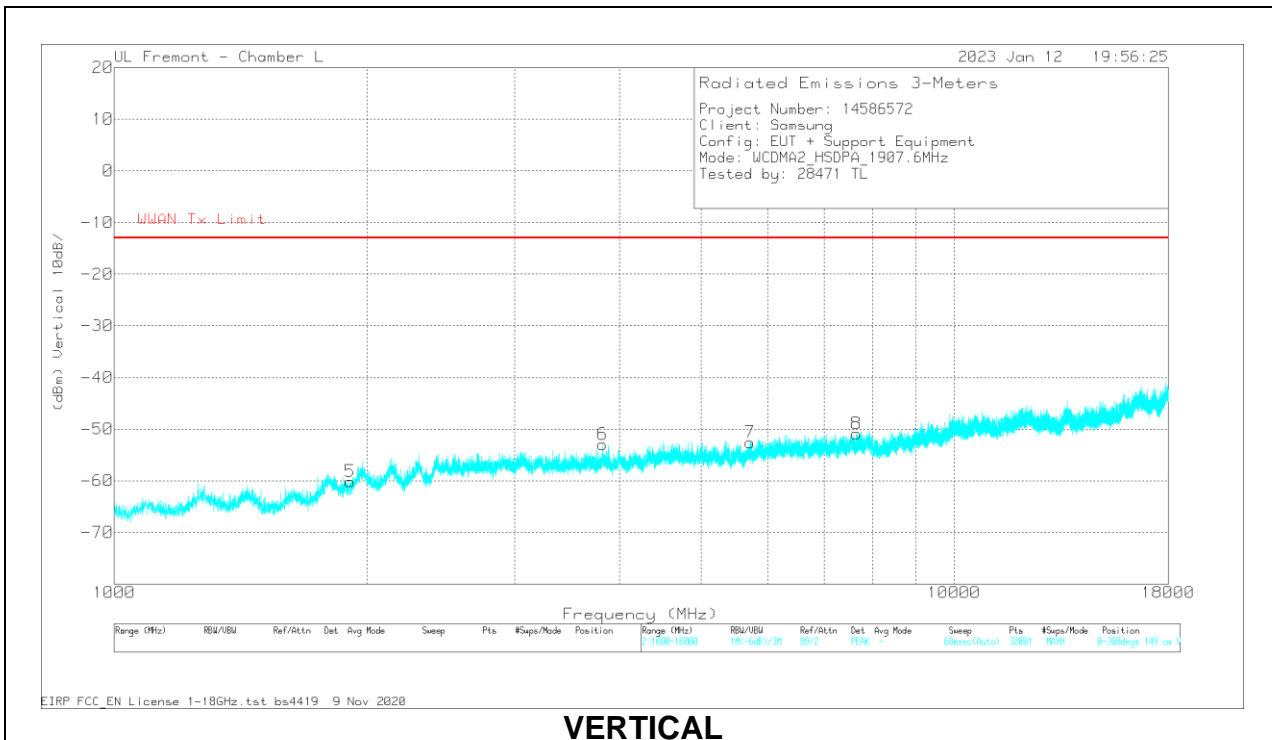
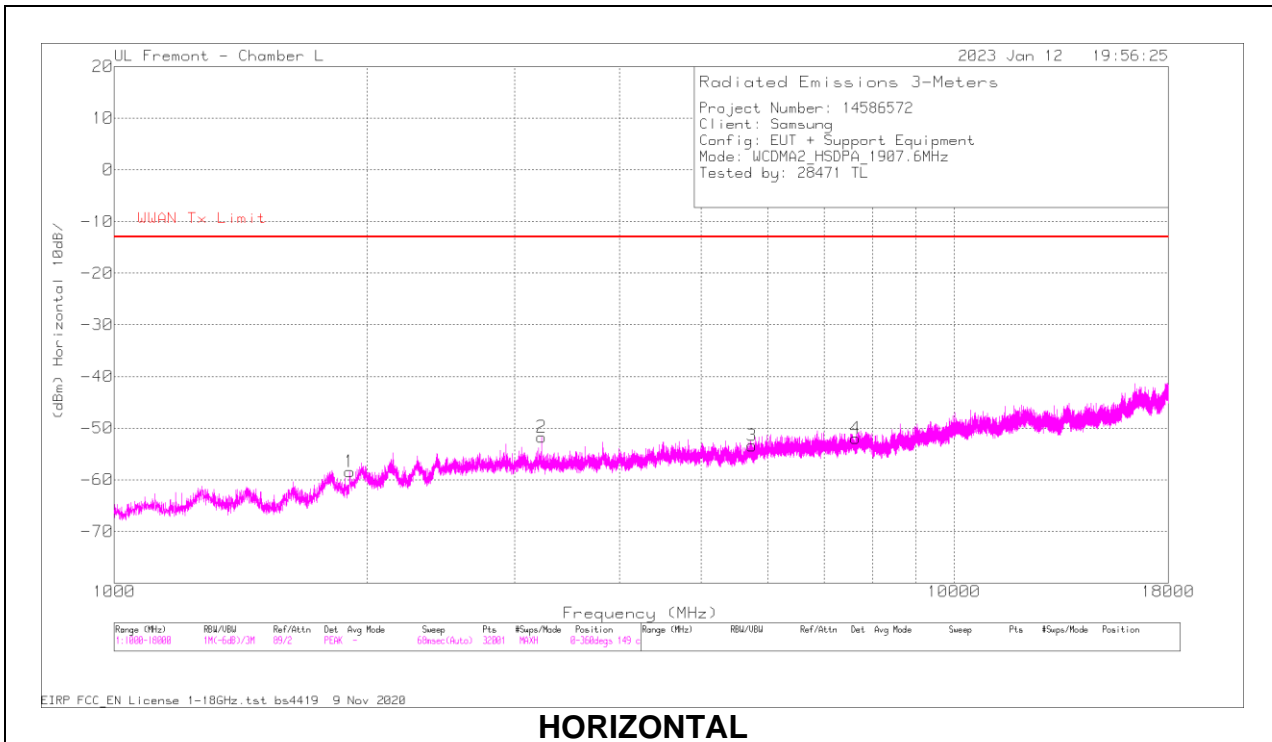


HORIZONTAL



VERTICAL

HIGH CHANNEL RESULTS



Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	206806 ACF (dB) 3mH	Amp/Cbl (dB)	EIRP CF	Corrected Reading (dBm)	WWAN Harmonics Limit	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
LOW CH 1852.4 MHz												
1	3706.188	35.54	Pk	33.5	-28.5	-95.2	-54.66	-13	-41.66	0-360	149	H
2	5558.656	33.89	Pk	34.7	-25.8	-95.2	-52.41	-13	-39.41	0-360	149	H
3	7418.563	30.33	Pk	36	-23.4	-95.2	-52.27	-13	-39.27	0-360	149	H
4	2421.094	38.51	Pk	32.5	-29.6	-95.2	-53.79	-13	-40.79	0-360	149	V
5	5581.5	32.33	Pk	34.7	-25.9	-95.2	-54.07	-13	-41.07	0-360	149	V
6	7417.5	31.77	Pk	36	-23.4	-95.2	-50.83	-13	-37.83	0-360	149	V
MID CH 1880 MHz												
1	3773.656	34.69	Pk	33.6	-28.2	-95.2	-55.11	-13	-42.11	0-360	149	H
2	5638.344	33.14	Pk	34.7	-26	-95.2	-53.36	-13	-40.36	0-360	149	H
3	7325.594	31.79	Pk	35.9	-23.6	-95.2	-51.11	-13	-38.11	0-360	149	H
4	3757.719	34.83	Pk	33.6	-28.2	-95.2	-54.97	-13	-41.97	0-360	149	V
5	5623.469	31.93	Pk	34.7	-26	-95.2	-54.57	-13	-41.57	0-360	149	V
6	7534.375	31.34	Pk	36.1	-22.9	-95.2	-50.66	-13	-37.66	0-360	149	V
HIGH CH 1907.6 MHz												
1	3229.125	38.96	Pk	33.2	-28.7	-95.2	-51.74	-13	-38.74	0-360	149	H
2	5747.781	32.81	Pk	35.1	-26.1	-95.2	-53.39	-13	-40.39	0-360	149	H
3	7632.656	30.31	Pk	36	-23.1	-95.2	-51.99	-13	-38.99	0-360	149	H
4	3817.219	36.56	Pk	33.6	-27.9	-95.2	-52.94	-13	-39.94	0-360	149	V
5	5719.625	33.64	Pk	35	-26	-95.2	-52.56	-13	-39.56	0-360	149	V
6	7654.969	31.03	Pk	36.1	-22.8	-95.2	-50.87	-13	-37.87	0-360	149	V

Pk - Peak detector

10.2.5. WCDMA BAND 4

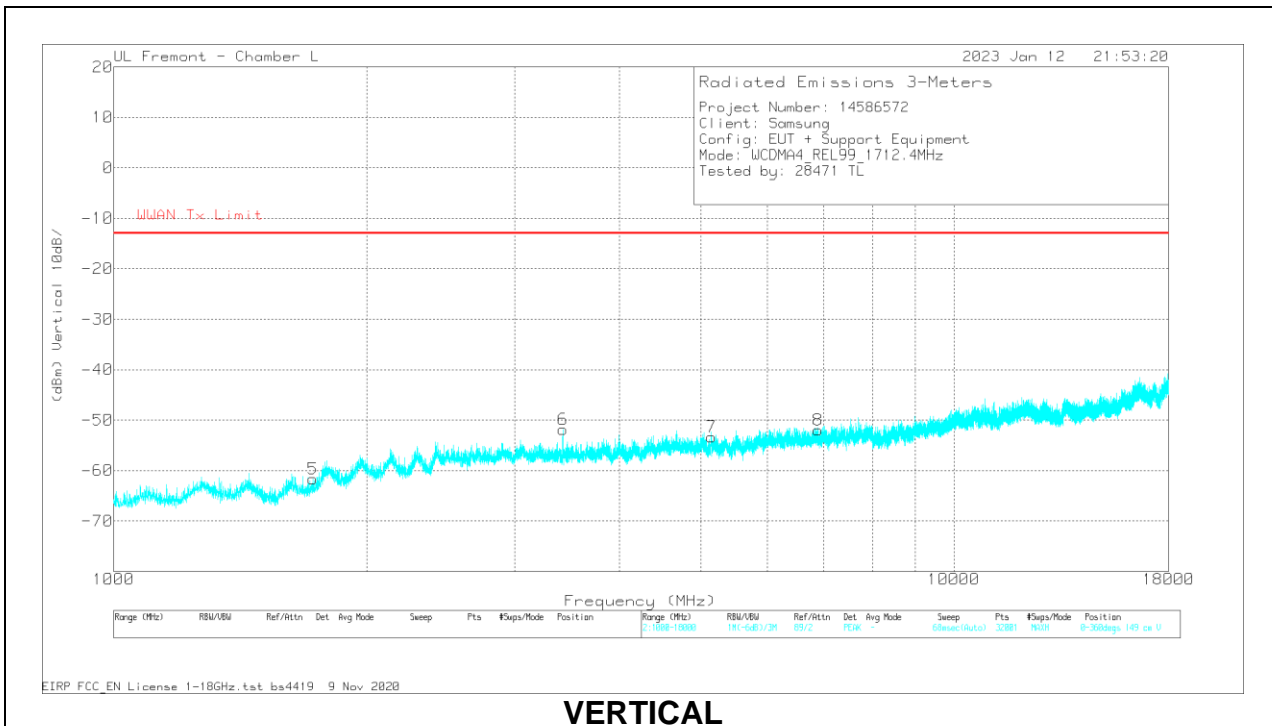
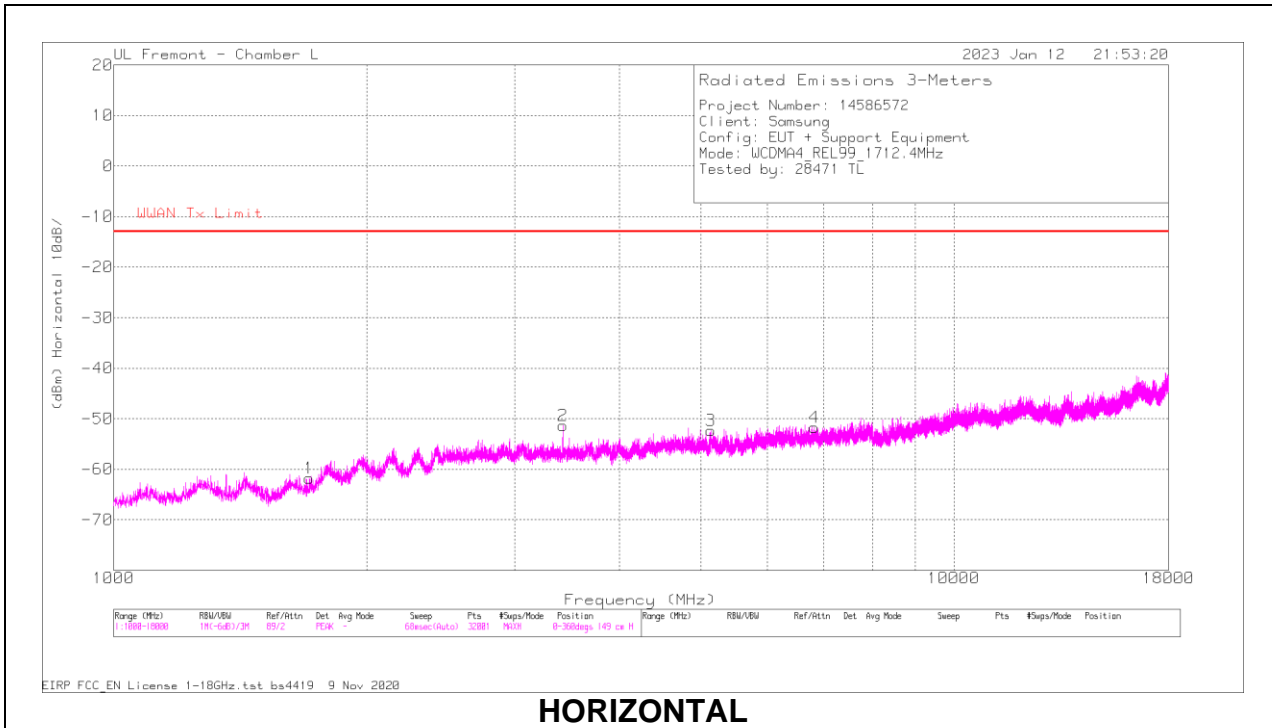
LIMITS

FCC: §27.53 (h)

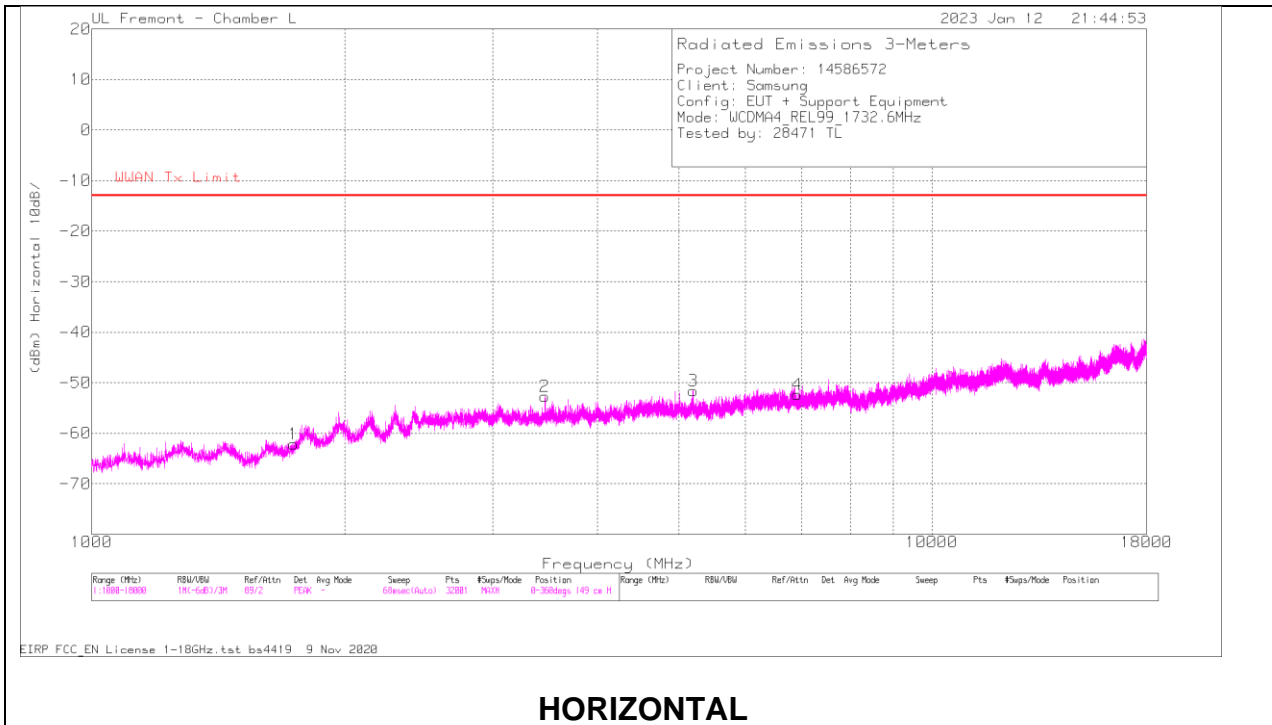
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log (P)$ dB.

REL 99 MODE

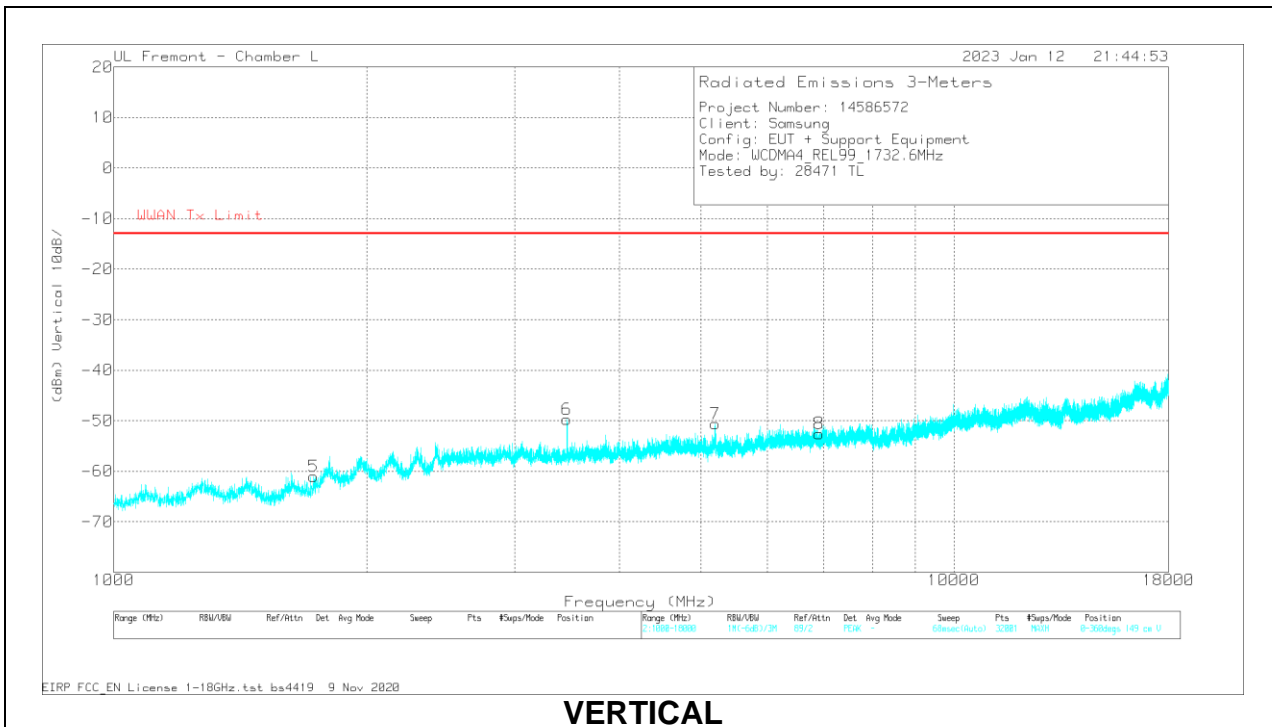
LOW CHANNEL RESULTS



MID CHANNEL RESULTS

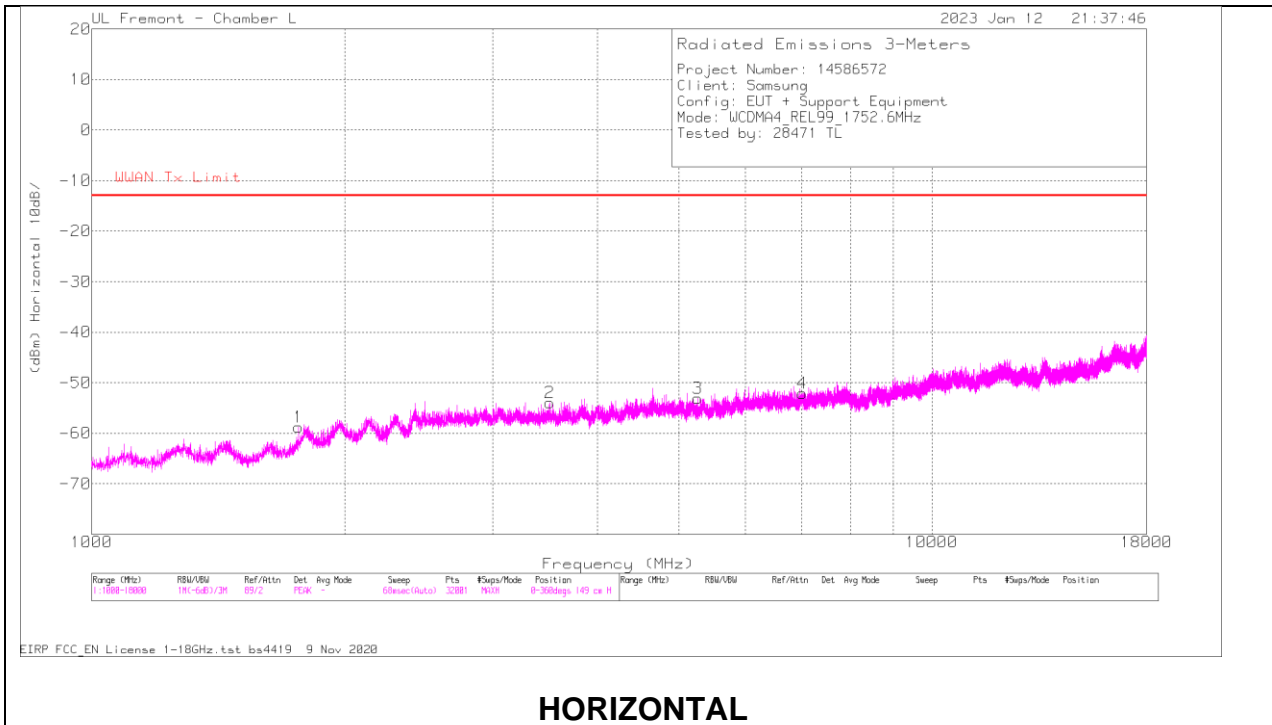


HORIZONTAL

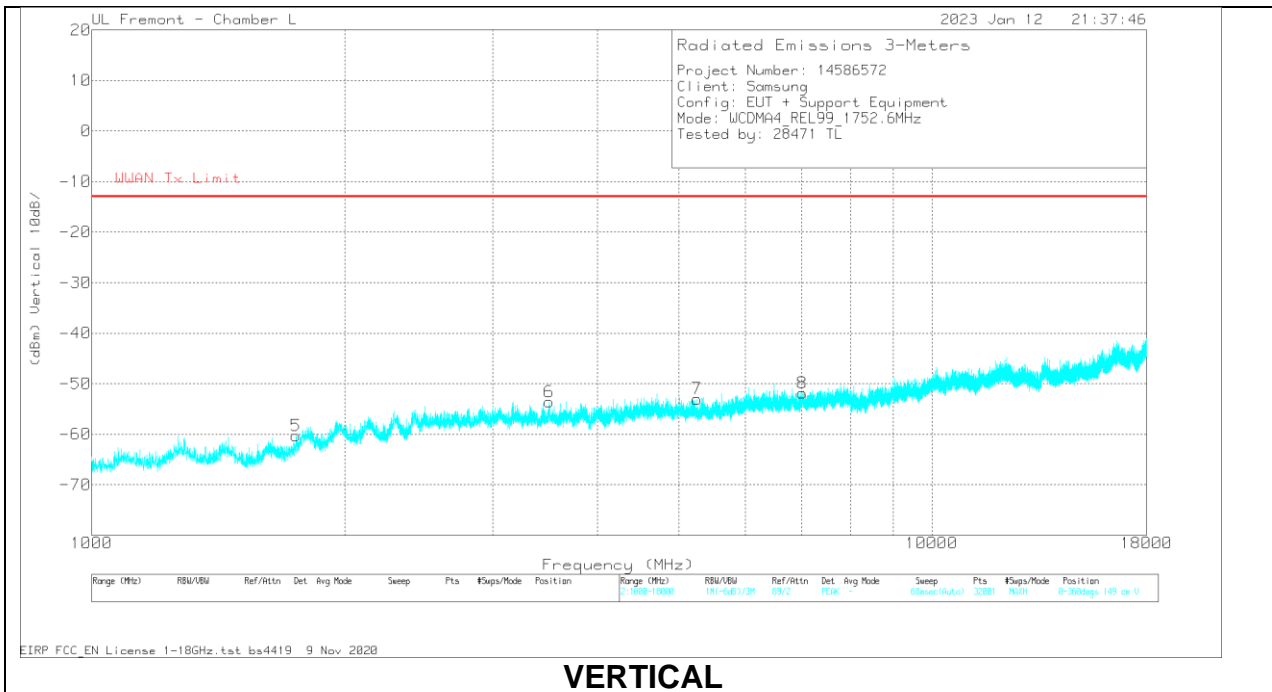


VERTICAL

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

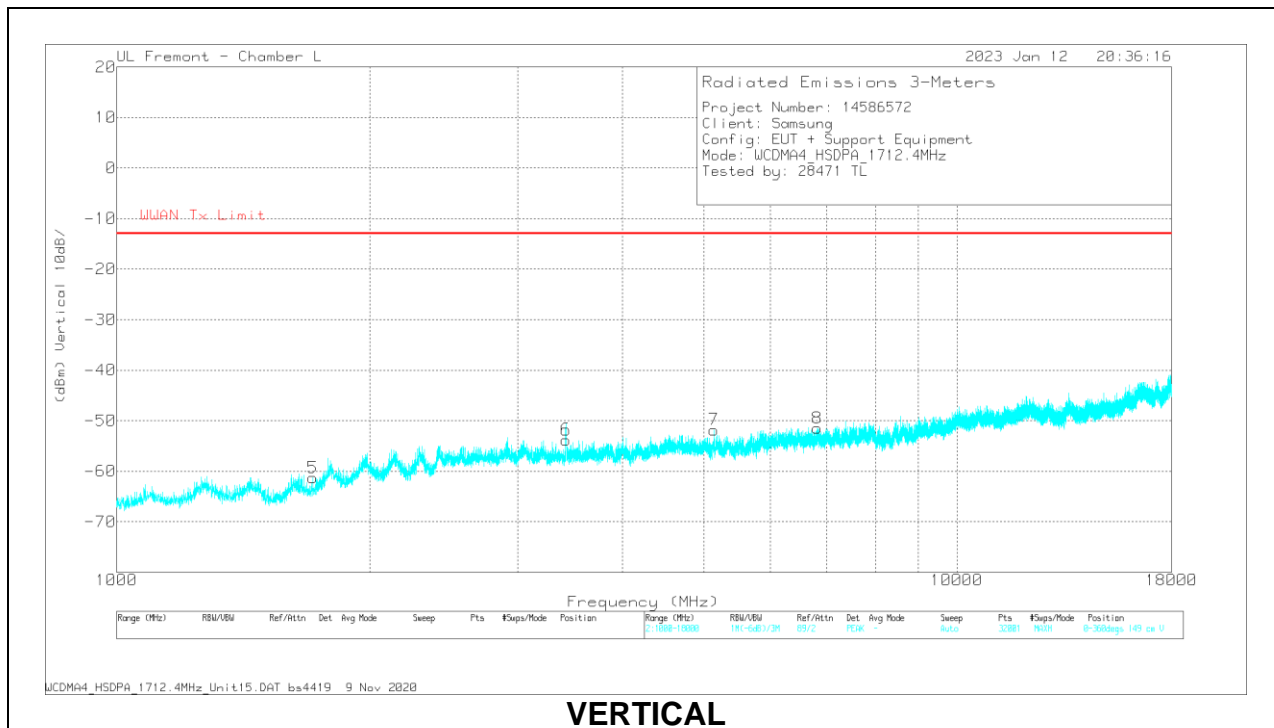
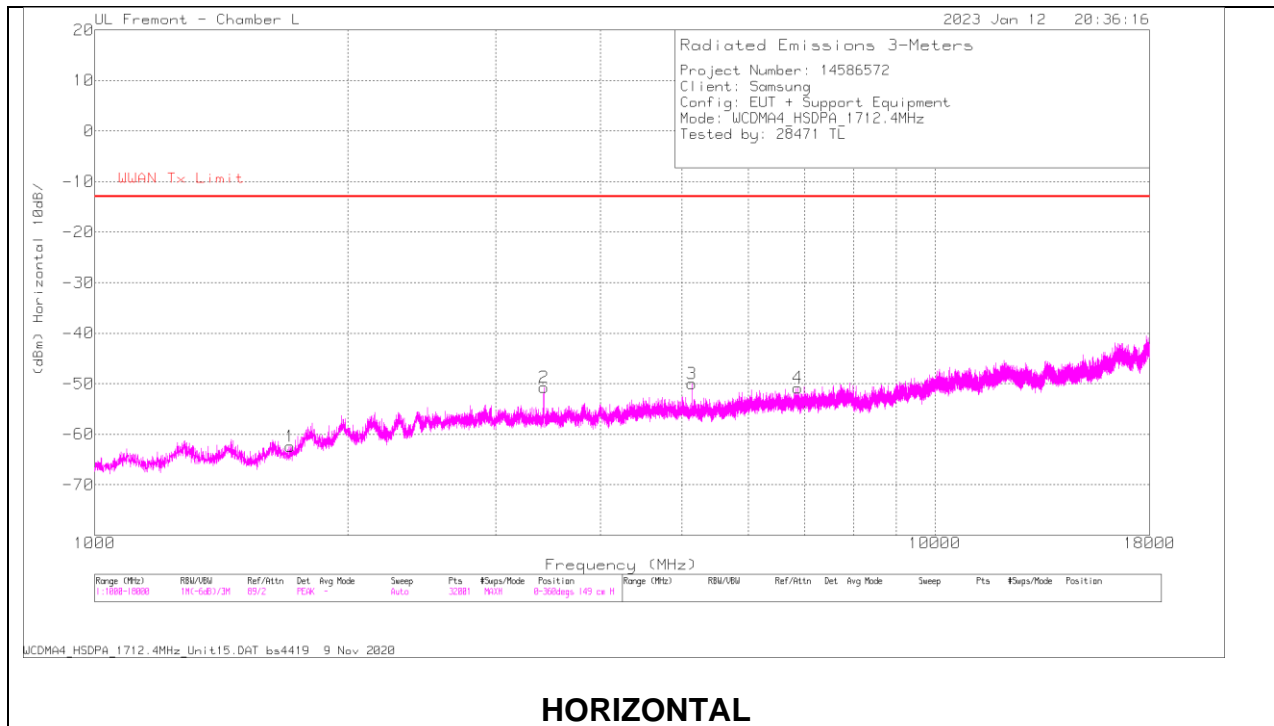
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	206806 ACF (dB) 3mH	Amp/Cbl (dB)	EIRP CF	Corrected Reading (dBm)	WWAN Harmonics Limit	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1712.4 MHz												
1	3425.688	39.46	Pk	33.2	-28.8	-95.2	-51.34	-13	-38.34	0-360	149	H
2	5134.188	34.91	Pk	34.8	-26.9	-95.2	-52.39	-13	-39.39	0-360	149	H
3	6816.125	32.2	Pk	35.8	-24.5	-95.2	-51.7	-13	-38.7	0-360	149	H
4	3423.031	38.93	Pk	33.2	-28.8	-95.2	-51.87	-13	-38.87	0-360	149	V
5	5145.344	33.93	Pk	34.8	-26.9	-95.2	-53.37	-13	-40.37	0-360	149	V
6	6887.313	31.65	Pk	35.8	-24.2	-95.2	-51.95	-13	-38.95	0-360	149	V
1732.6 MHz												
1	3463.406	38.03	Pk	33.2	-28.7	-95.2	-52.67	-13	-39.67	0-360	149	H
2	5201.656	35.49	Pk	34.9	-26.8	-95.2	-51.61	-13	-38.61	0-360	149	H
3	6913.344	31.07	Pk	35.9	-24.1	-95.2	-52.33	-13	-39.33	0-360	149	H
4	3462.875	40.91	Pk	33.2	-28.7	-95.2	-49.79	-13	-36.79	0-360	149	V
5	5201.656	36.51	Pk	34.9	-26.8	-95.2	-50.59	-13	-37.59	0-360	149	V
6	6909.094	30.86	Pk	35.9	-24.1	-95.2	-52.54	-13	-39.54	0-360	149	V
1752.6 MHz												
1	3506.969	36.49	Pk	33.3	-28.5	-95.2	-53.91	-13	-40.91	0-360	149	H
2	5259.031	33.9	Pk	34.8	-26.6	-95.2	-53.1	-13	-40.1	0-360	149	H
3	7012.688	31.5	Pk	35.9	-24.3	-95.2	-52.1	-13	-39.1	0-360	149	H
4	3503.25	36.78	Pk	33.3	-28.5	-95.2	-53.62	-13	-40.62	0-360	149	V
5	5254.781	33.87	Pk	34.8	-26.5	-95.2	-53.03	-13	-40.03	0-360	149	V
6	7013.75	31.72	Pk	35.9	-24.3	-95.2	-51.88	-13	-38.88	0-360	149	V

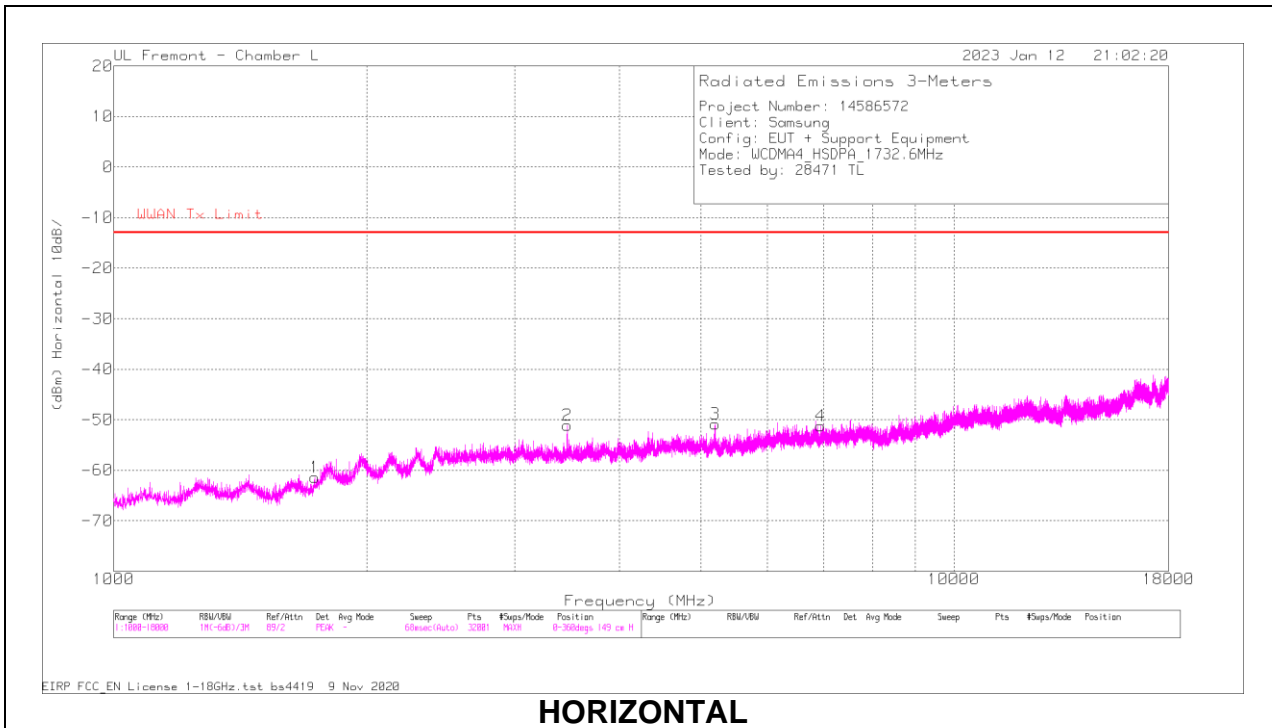
Pk - Peak detector

HSDPA MODE

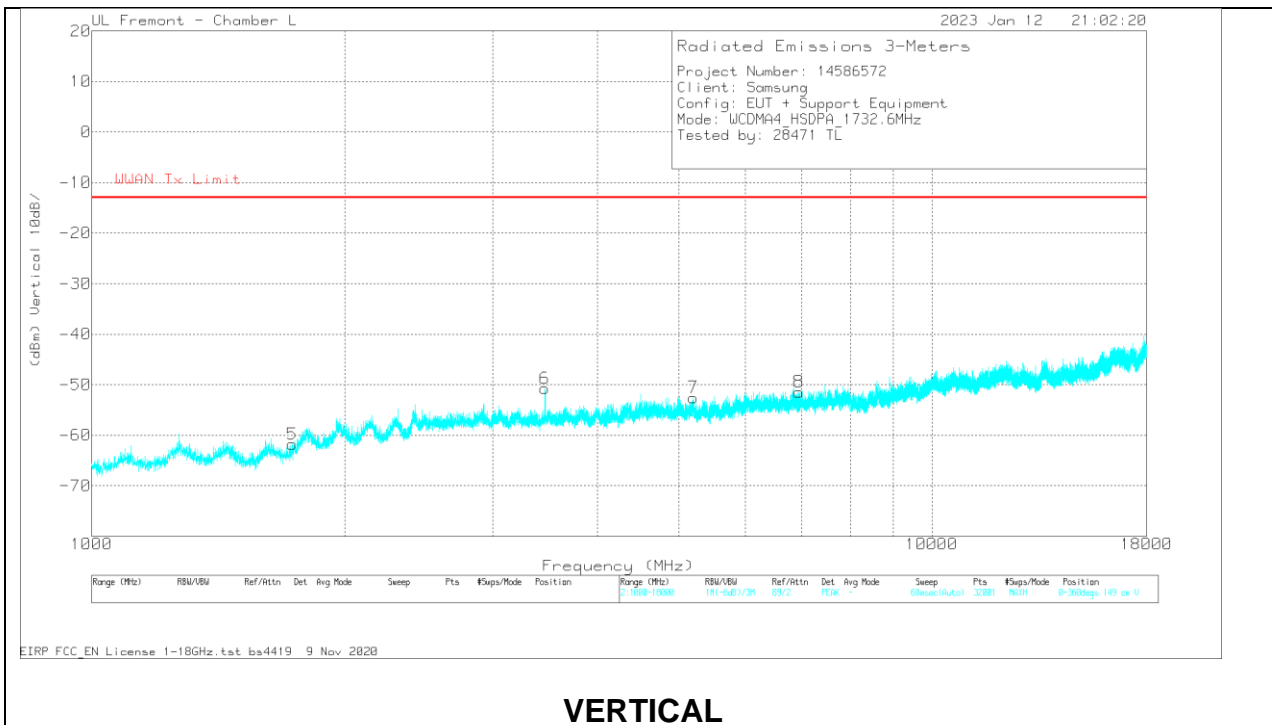
LOW CHANNEL RESULTS



MID CHANNEL RESULTS

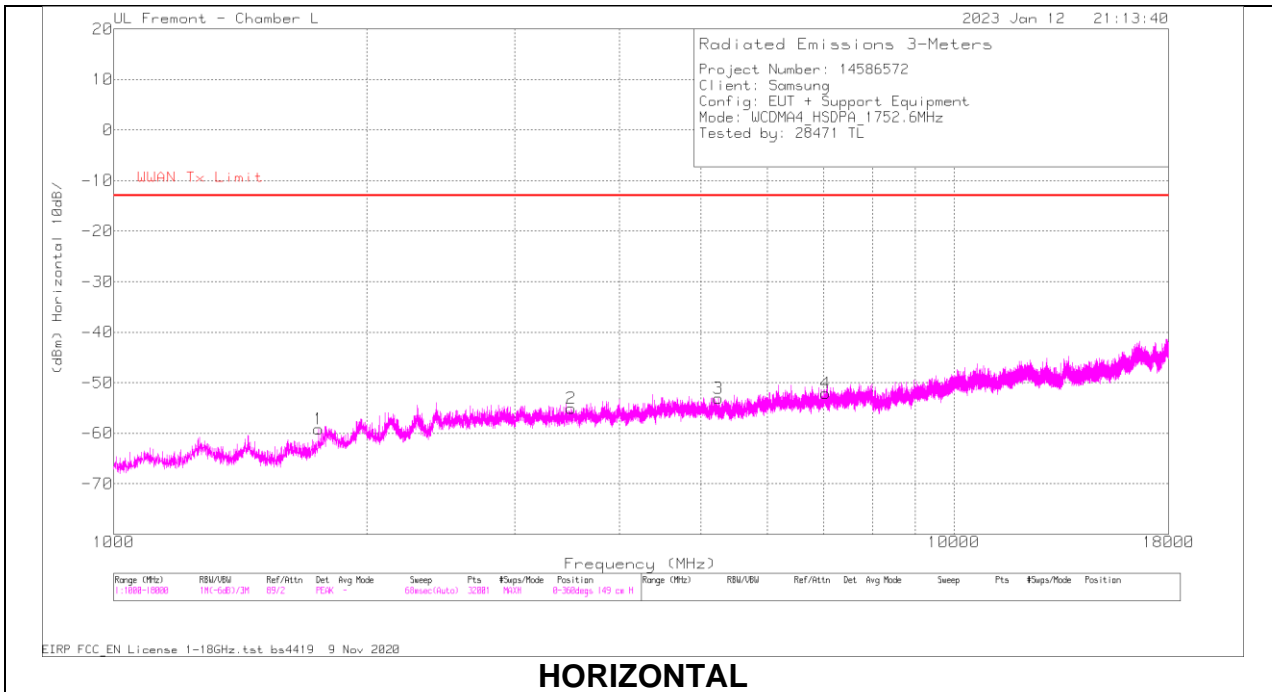


HORIZONTAL

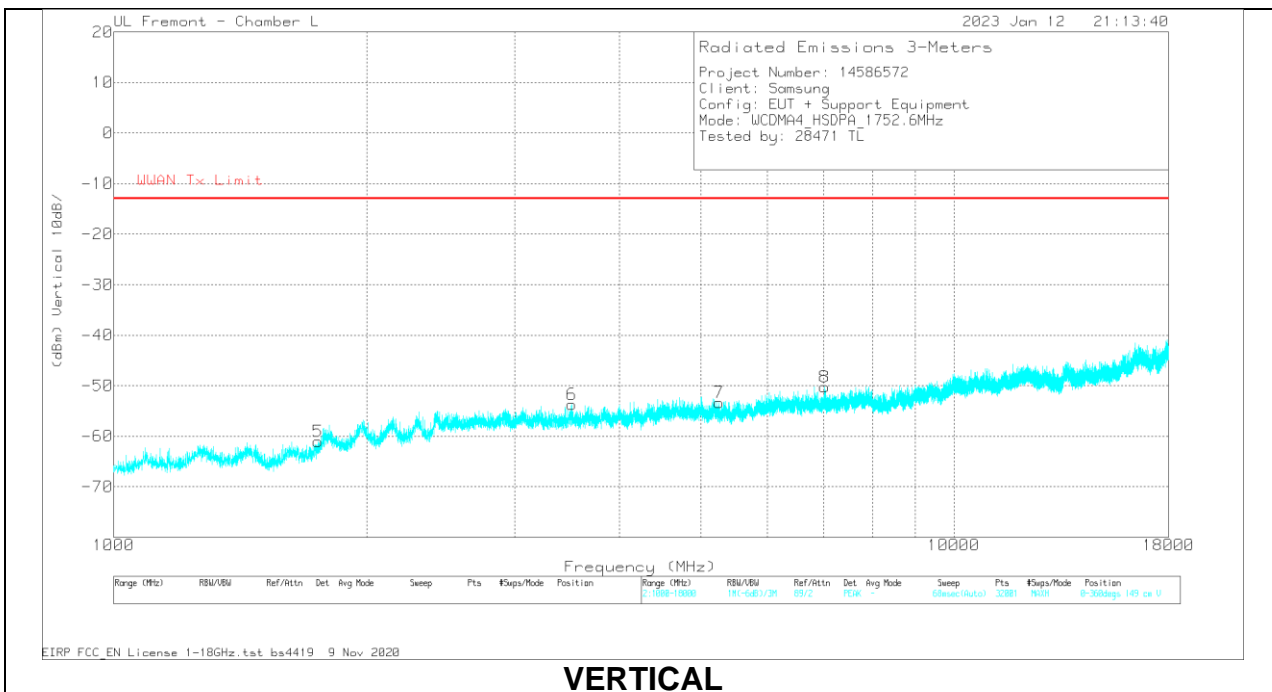


VERTICAL

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	206806 ACF (dB) 3mH	Amp/Cbl (dB)	EIRP CF	Corrected Reading (dBm)	WWAN Harmonics Limit	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1712.4 MHz												
1	3427.281	40.12	Pk	33.2	-28.8	-95.2	-50.68	-13	-37.68	0-360	149	H
2	5134.719	37.32	Pk	34.8	-26.9	-95.2	-49.98	-13	-36.98	0-360	149	H
3	6862.344	32.9	Pk	35.8	-24.3	-95.2	-50.8	-13	-37.8	0-360	149	H
4	3427.813	36.92	Pk	33.2	-28.7	-95.2	-53.78	-13	-40.78	0-360	149	V
5	5140.031	35.51	Pk	34.8	-26.9	-95.2	-51.79	-13	-38.79	0-360	149	V
6	6823.563	32.52	Pk	35.8	-24.6	-95.2	-51.48	-13	-38.48	0-360	149	V
1732.6 MHz												
1	3466.594	39.55	Pk	33.2	-28.7	-95.2	-51.15	-13	-38.15	0-360	149	H
2	5200.063	36.27	Pk	34.9	-26.8	-95.2	-50.83	-13	-37.83	0-360	149	H
3	6944.156	32.31	Pk	35.9	-24.2	-95.2	-51.19	-13	-38.19	0-360	149	H
4	3462.875	39.92	Pk	33.2	-28.7	-95.2	-50.78	-13	-37.78	0-360	149	V
5	5195.813	34.56	Pk	34.9	-26.8	-95.2	-52.54	-13	-39.54	0-360	149	V
6	6944.688	32.08	Pk	35.9	-24.2	-95.2	-51.42	-13	-38.42	0-360	149	V
1752.6 MHz												
1	3503.25	35.29	Pk	33.3	-28.5	-95.2	-55.11	-13	-42.11	0-360	149	H
2	5241.5	34.01	Pk	34.8	-26.7	-95.2	-53.09	-13	-40.09	0-360	149	H
3	7037.656	31.32	Pk	35.8	-24	-95.2	-52.08	-13	-39.08	0-360	149	H
4	3506.969	36.65	Pk	33.3	-28.5	-95.2	-53.75	-13	-40.75	0-360	149	V
5	5250	33.7	Pk	34.8	-26.6	-95.2	-53.3	-13	-40.3	0-360	149	V
6	7016.406	33.31	Pk	35.9	-24.3	-95.2	-50.29	-13	-37.29	0-360	149	V

Pk - Peak detector

10.2.6. LTE BAND 2

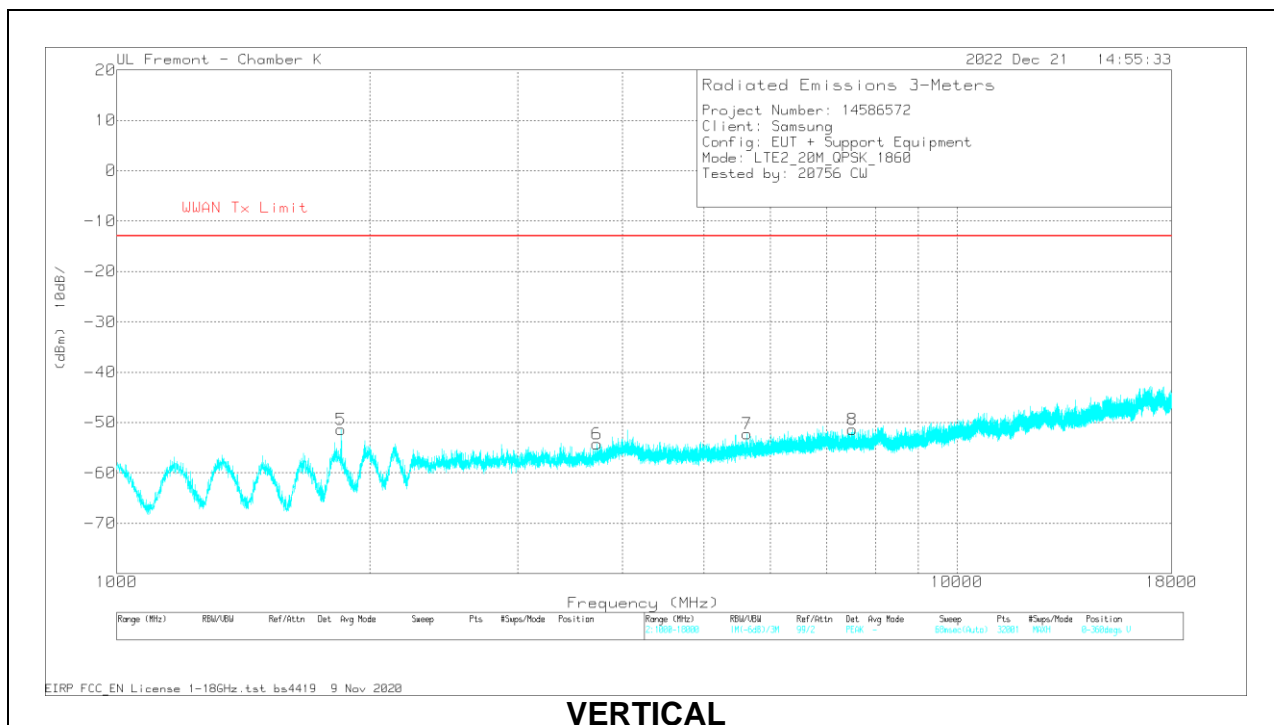
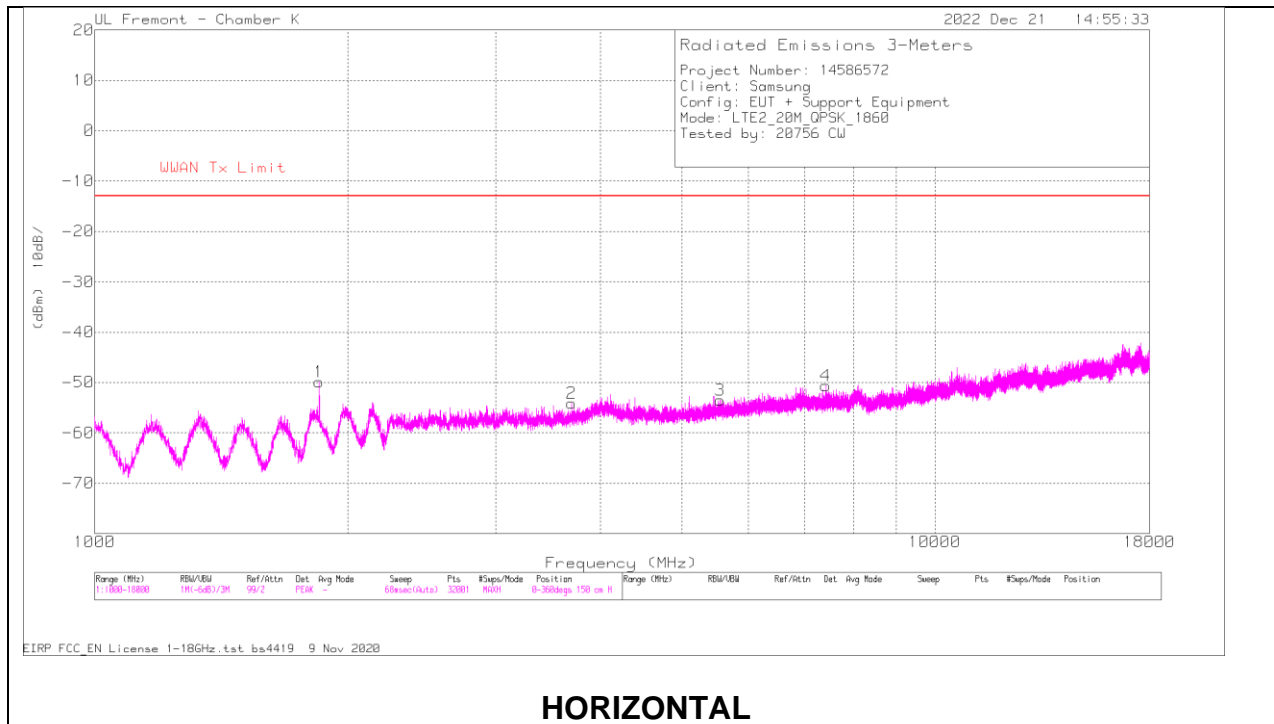
LIMITS

FCC: §24.238(a)

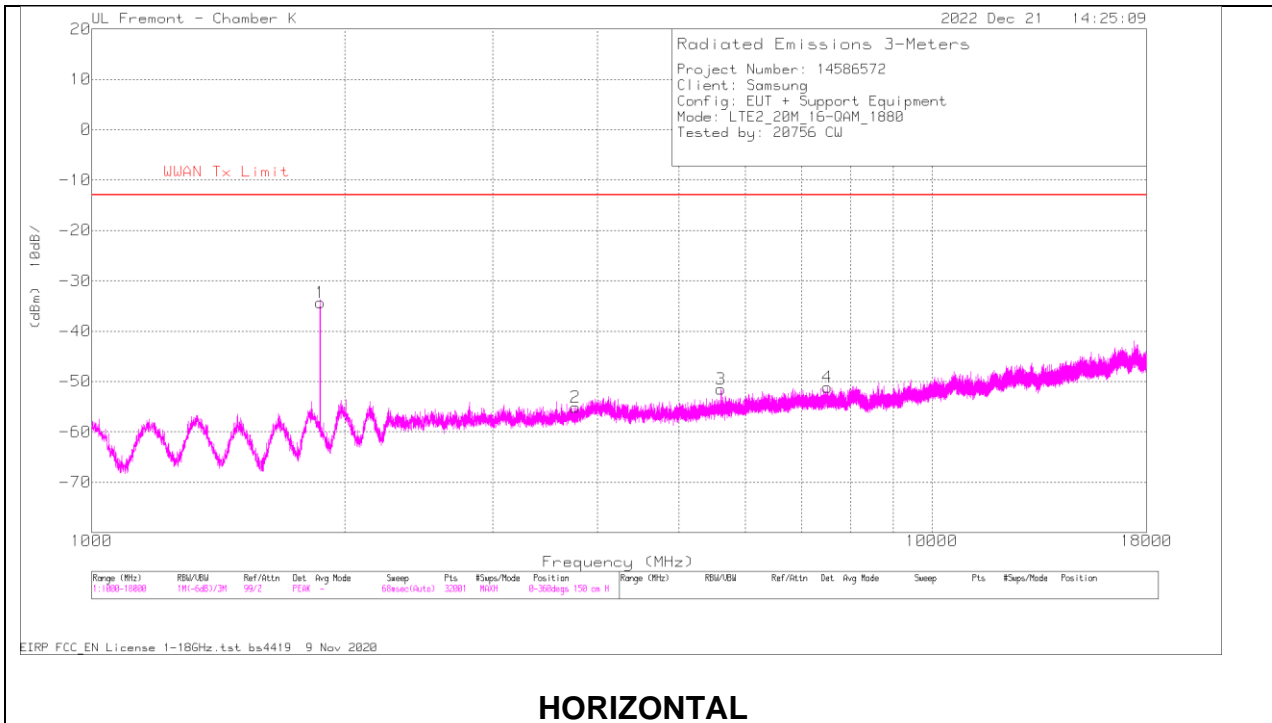
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log (P)$ dB.

QPSK LTE BAND 2 (20.0MHZ BANDWIDTH)

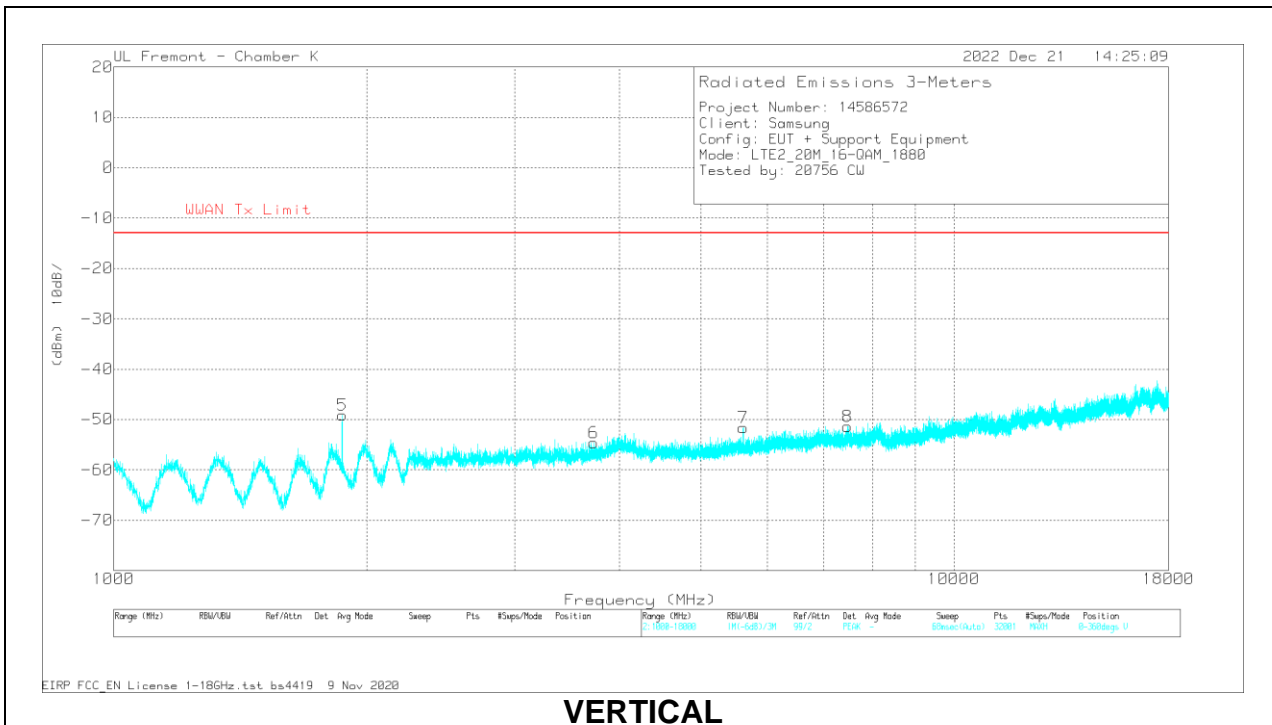
LOW CHANNEL RESULTS



MID CHANNEL RESULTS

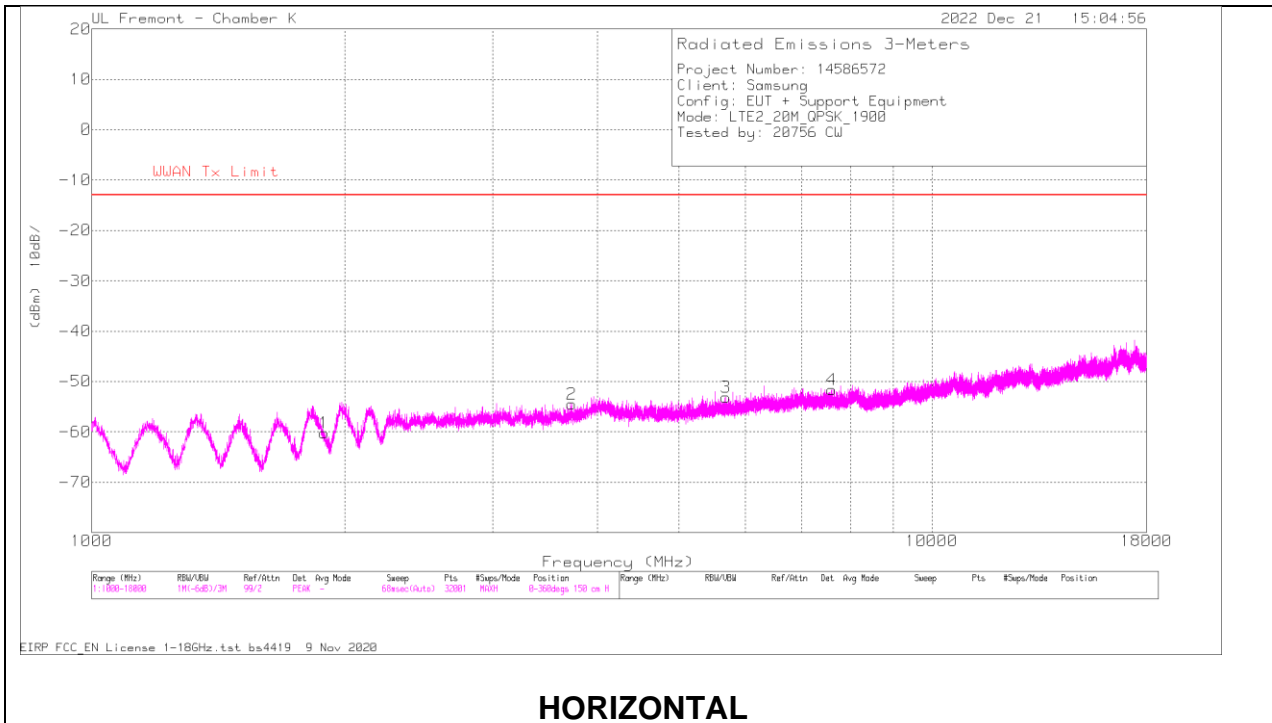


HORIZONTAL

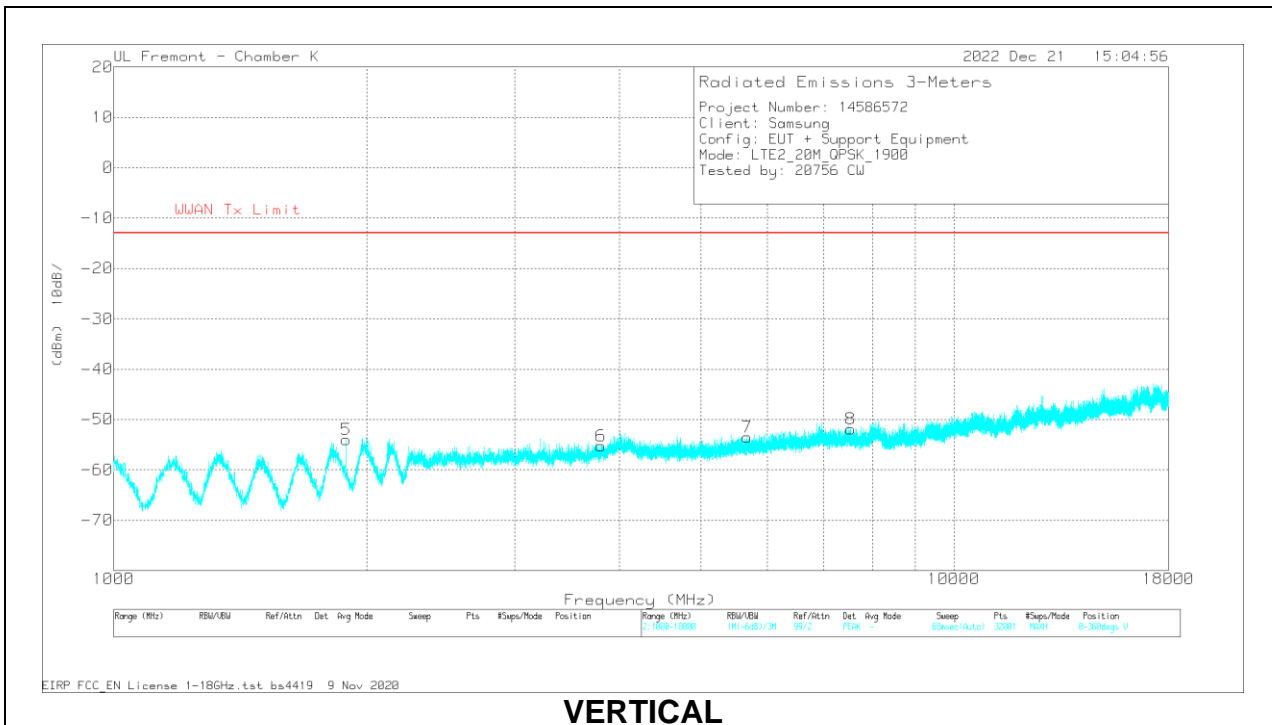


VERTICAL

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

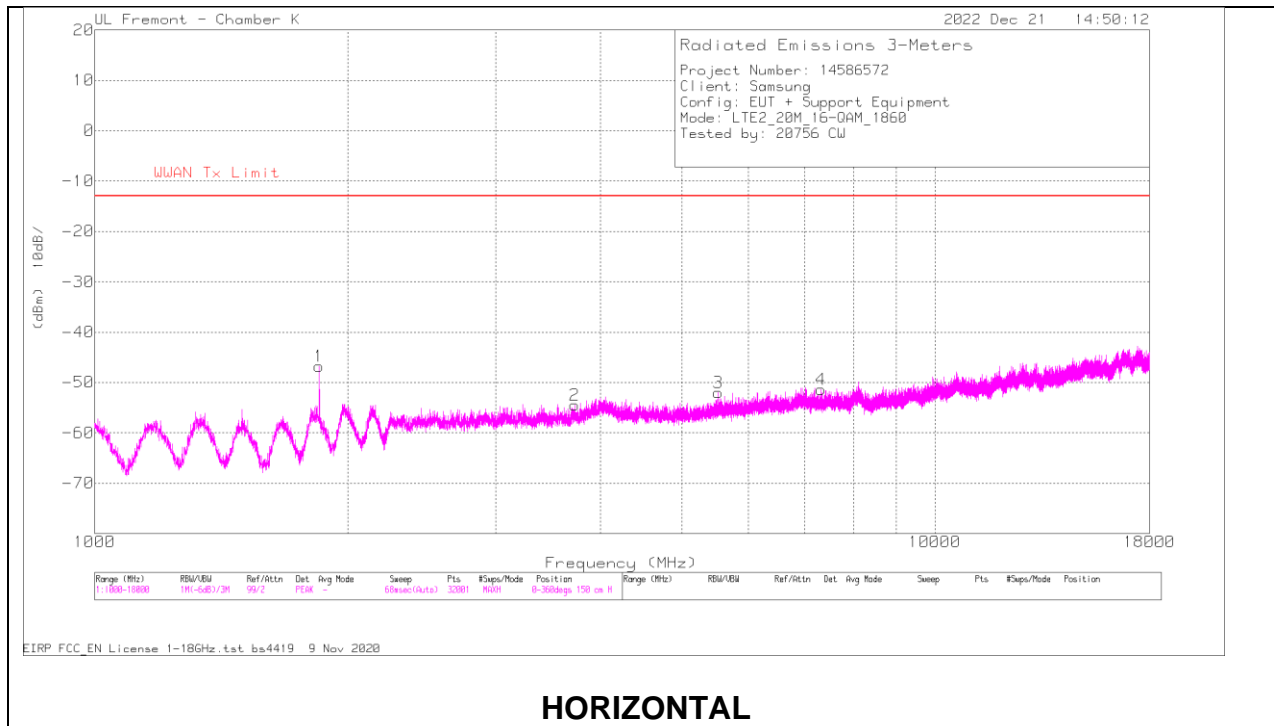
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cbl (dB)	EIRP CF	Corrected Reading (dBm)	WWAN Harmonics Limit	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
LOW CH 1860 MHz												
1	3695.031	50.06	Pk	33.3	-42.3	-95.2	-54.14	-13	-41.14	0-360	150	H
2	5549.625	47.64	Pk	34.6	-40.5	-95.2	-53.46	-13	-40.46	0-360	150	H
3	7413.781	46.89	Pk	35.7	-38	-95.2	-50.61	-13	-37.61	0-360	150	H
4	3730.094	49.93	Pk	33.4	-42.4	-95.2	-54.27	-13	-41.27	0-360	150	V
5	5631.969	48.79	Pk	34.6	-40.5	-95.2	-52.31	-13	-39.31	0-360	150	V
6	7505.156	46.16	Pk	35.7	-38.1	-95.2	-51.44	-13	-38.44	0-360	150	V
MID CH 1880 MHz												
1	3764.094	48.59	Pk	33.6	-42.1	-95.2	-55.11	-13	-42.11	0-360	150	H
2	5612.844	49.38	Pk	34.6	-40.3	-95.2	-51.52	-13	-38.52	0-360	150	H
3	7505.156	46.52	Pk	35.7	-38.1	-95.2	-51.08	-13	-38.08	0-360	150	H
4	3728.5	49.36	Pk	33.4	-42.2	-95.2	-54.64	-13	-41.64	0-360	150	V
5	5613.375	49.23	Pk	34.6	-40.3	-95.2	-51.67	-13	-38.67	0-360	150	V
6	7473.813	46.15	Pk	35.7	-38	-95.2	-51.35	-13	-38.35	0-360	150	V
HIGH CH 1900 MHz												
1	3729.563	49.72	Pk	33.4	-42.4	-95.2	-54.48	-13	-41.48	0-360	150	H
2	5689.344	47.62	Pk	34.6	-40.2	-95.2	-53.18	-13	-40.18	0-360	150	H
3	7597.594	46.22	Pk	35.8	-38.4	-95.2	-51.58	-13	-38.58	0-360	150	H
4	3801.281	48.41	Pk	33.7	-42.1	-95.2	-55.19	-13	-42.19	0-360	150	V
5	5672.875	47.33	Pk	34.6	-40.2	-95.2	-53.47	-13	-40.47	0-360	150	V
6	7534.906	45.78	Pk	35.7	-38.2	-95.2	-51.92	-13	-38.92	0-360	150	V

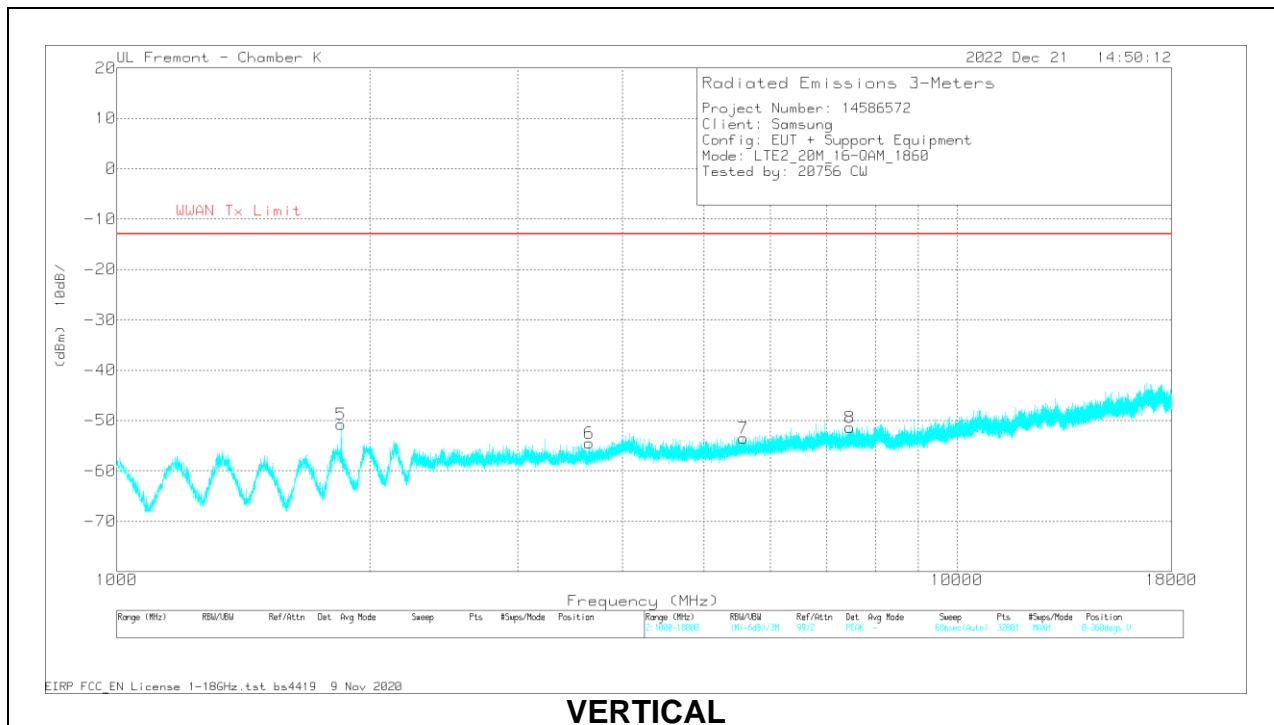
Pk - Peak detector

16QAM LTE BAND 2 (20.0MHZ BANDWIDTH)

LOW CHANNEL RESULTS

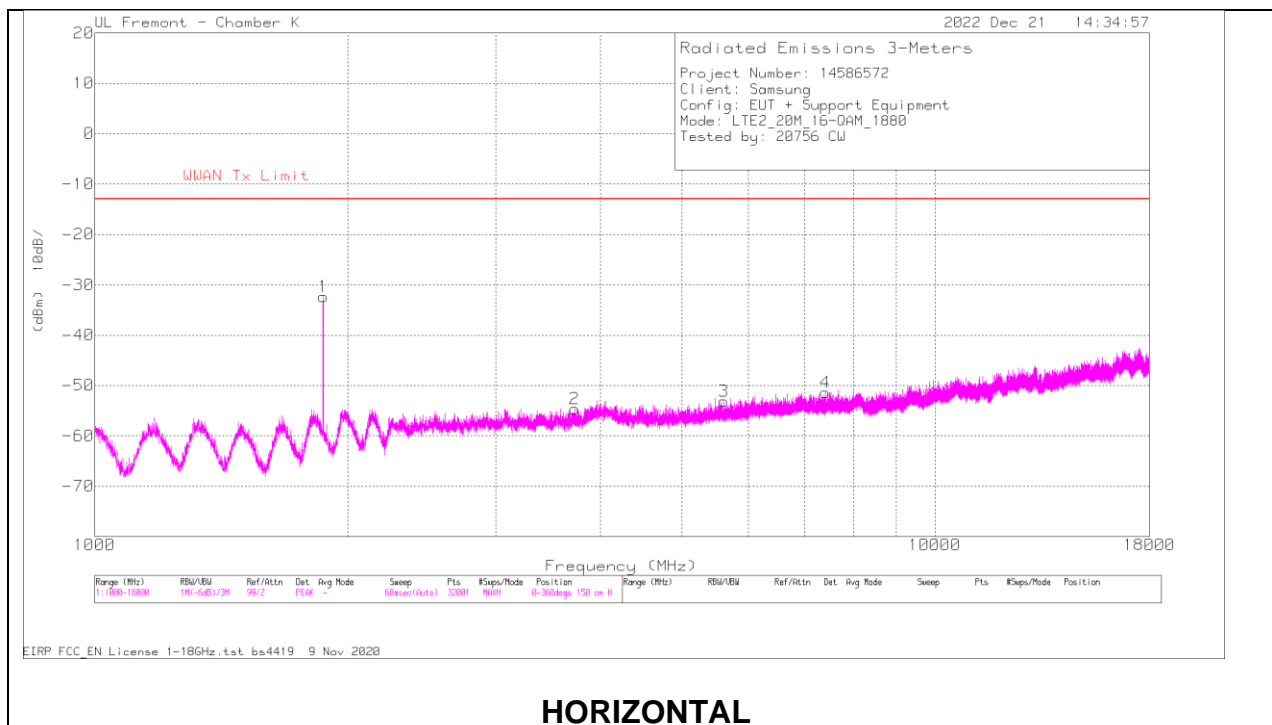


HORIZONTAL

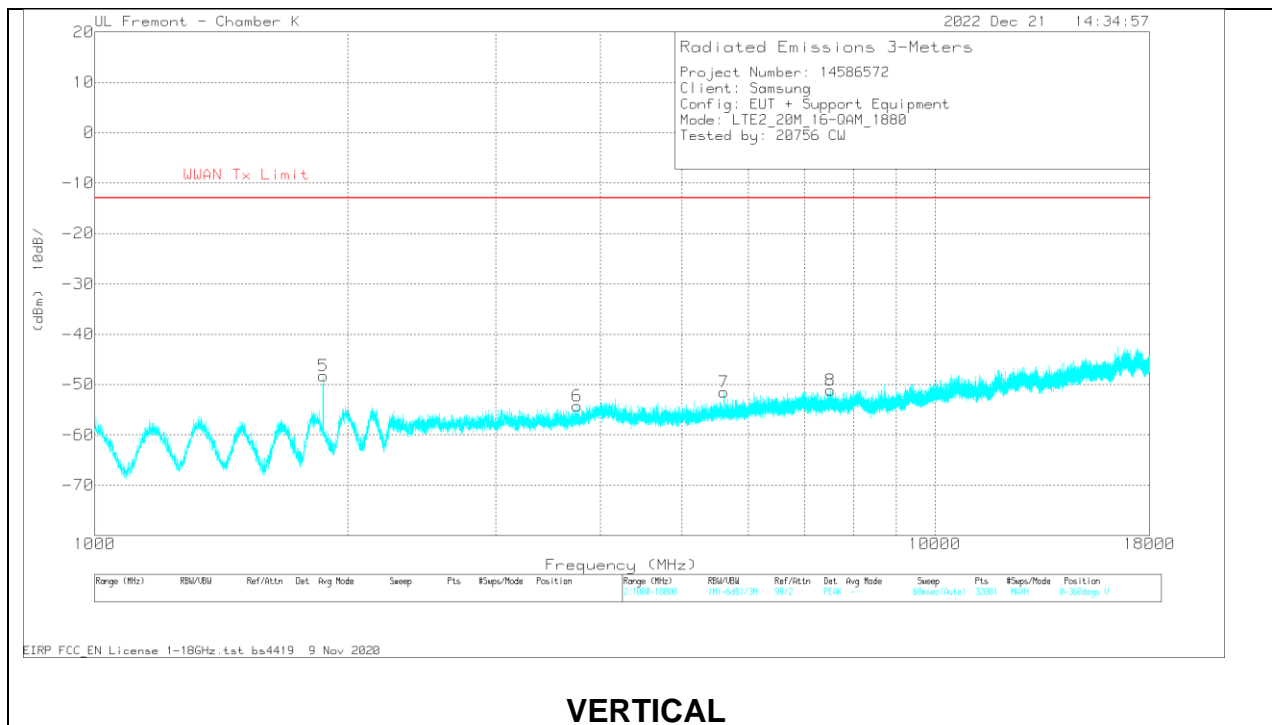


VERTICAL

MID CHANNEL RESULTS

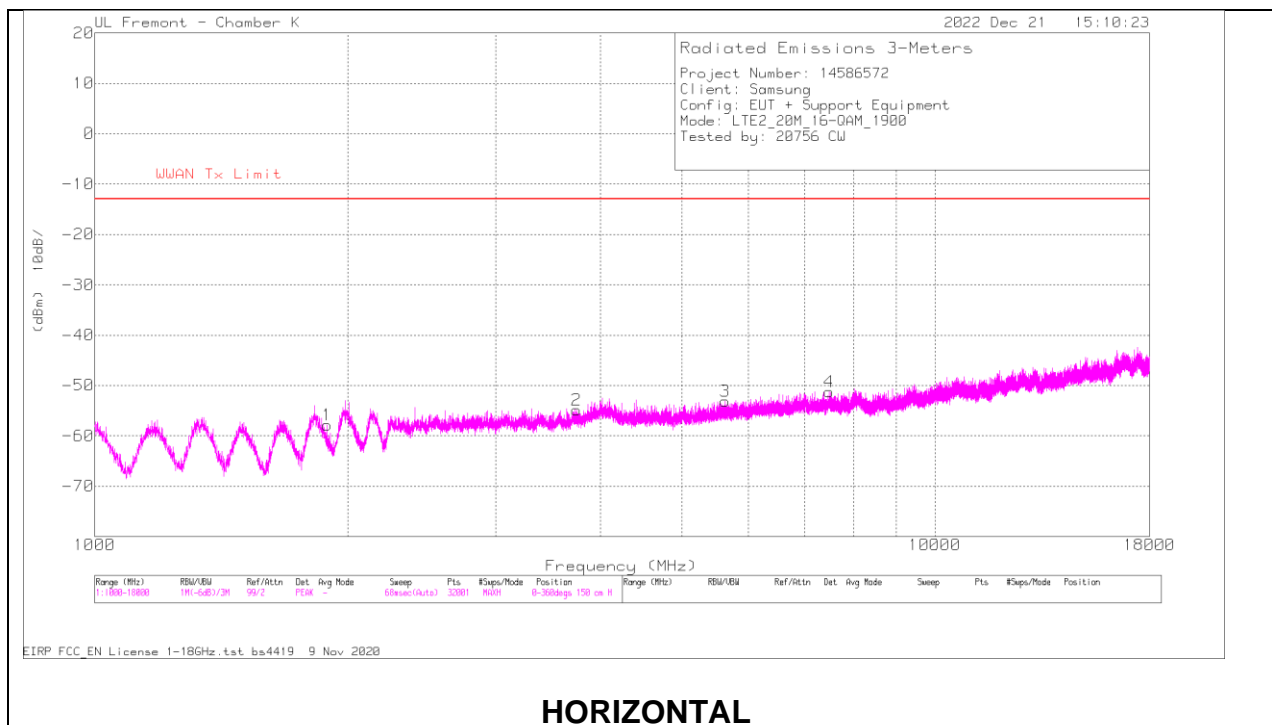


HORIZONTAL

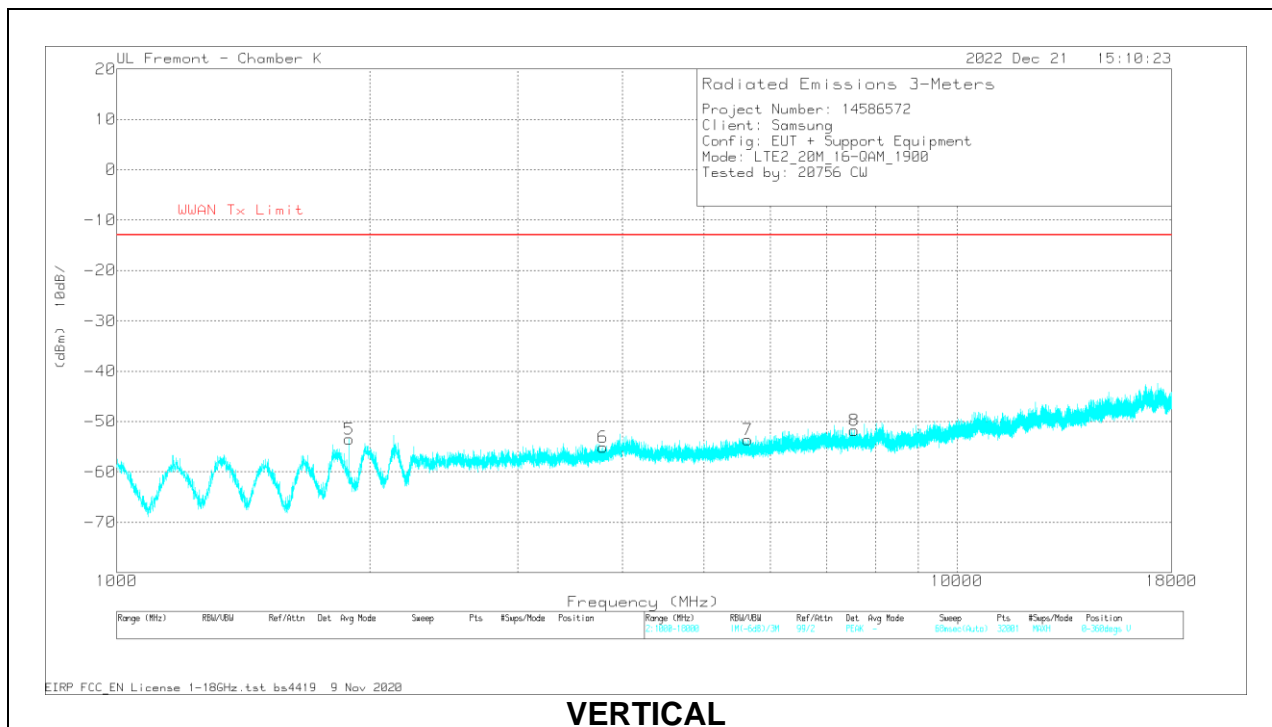


VERTICAL

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cbl (dB)	EIRP CF	Corrected Reading (dBm)	WWAN Harmonics Limit	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
LOW CH 1860 MHz												
1	3728.5	49.47	Pk	33.4	-42.2	-95.2	-54.53	-13	-41.53	0-360	150	H
2	5525.719	48.99	Pk	34.6	-40.4	-95.2	-52.01	-13	-39.01	0-360	150	H
3	7324.531	46.76	Pk	35.7	-38.6	-95.2	-51.34	-13	-38.34	0-360	150	H
4	3648.813	49.9	Pk	33.2	-42.4	-95.2	-54.5	-13	-41.5	0-360	150	V
5	5571.406	47.66	Pk	34.6	-40.5	-95.2	-53.44	-13	-40.44	0-360	150	V
6	7455.219	46.2	Pk	35.7	-38.1	-95.2	-51.4	-13	-38.4	0-360	150	V
MID CH 1880 MHz												
1	3726.906	49.26	Pk	33.4	-42.1	-95.2	-54.64	-13	-41.64	0-360	150	H
2	5607.531	47.72	Pk	34.6	-40.3	-95.2	-53.18	-13	-40.18	0-360	150	H
3	7405.813	46.28	Pk	35.7	-38.2	-95.2	-51.42	-13	-38.42	0-360	150	H
4	3754.531	49.63	Pk	33.5	-42.2	-95.2	-54.27	-13	-41.27	0-360	150	V
5	5612.844	49.36	Pk	34.6	-40.3	-95.2	-51.54	-13	-38.54	0-360	150	V
6	7505.688	46.34	Pk	35.7	-38	-95.2	-51.16	-13	-38.16	0-360	150	V
HIGH CH 1900 MHz												
1	3747.625	49.14	Pk	33.5	-42.3	-95.2	-54.86	-13	-41.86	0-360	150	H
2	5624.531	47.87	Pk	34.6	-40.4	-95.2	-53.13	-13	-40.13	0-360	150	H
3	7490.281	46.1	Pk	35.7	-37.9	-95.2	-51.3	-13	-38.3	0-360	150	H
4	3793.844	48.41	Pk	33.7	-42	-95.2	-55.09	-13	-42.09	0-360	150	V
5	5639.406	47.38	Pk	34.6	-40.4	-95.2	-53.62	-13	-40.62	0-360	150	V
6	7543.406	45.8	Pk	35.7	-38.1	-95.2	-51.8	-13	-38.8	0-360	150	V

Pk - Peak detector

10.2.7. LTE BAND 5

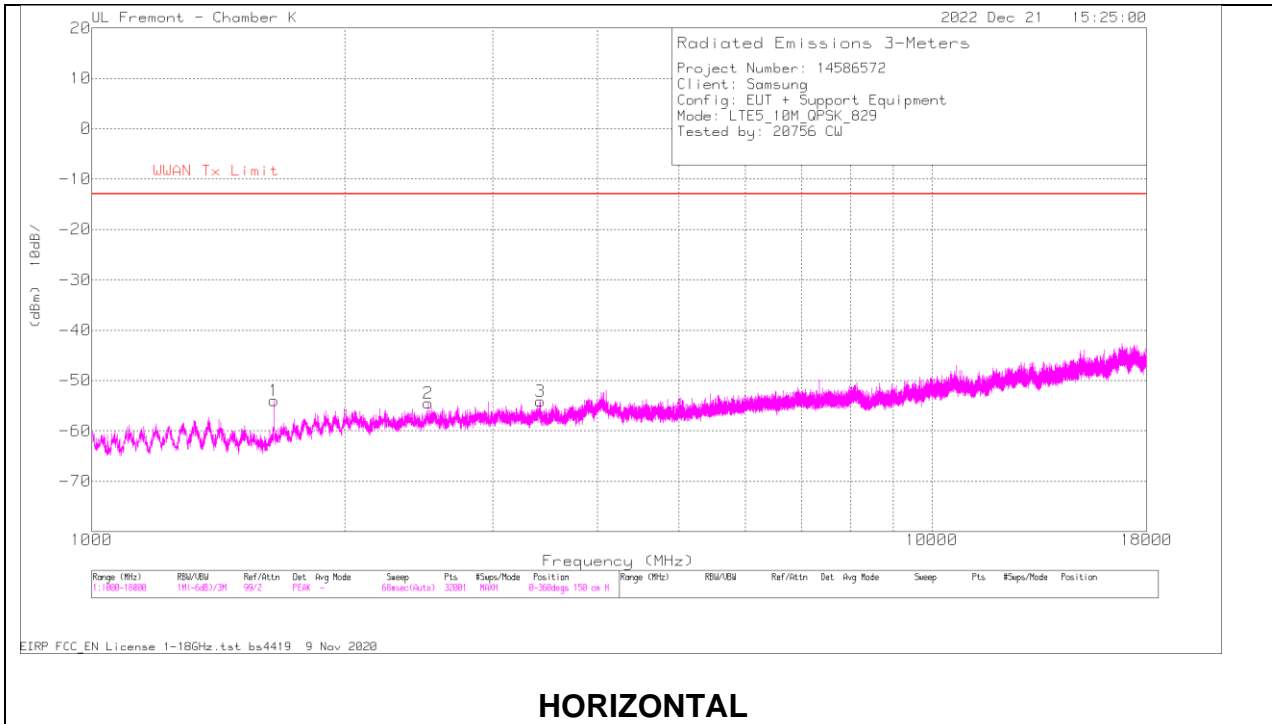
LIMITS

FCC: §22.917(a)

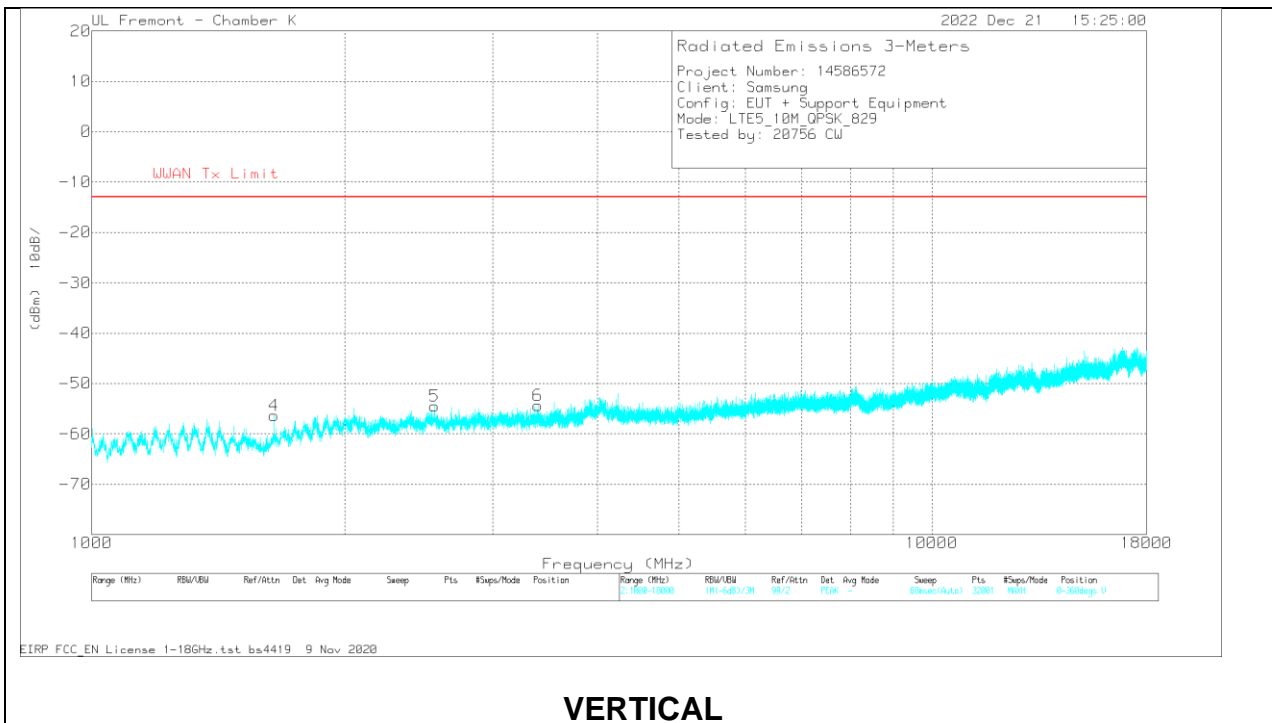
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log (P)$ dB.

QPSK LTE BAND 5 (10.0MHZ BANDWIDTH)

LOW CHANNEL RESULTS

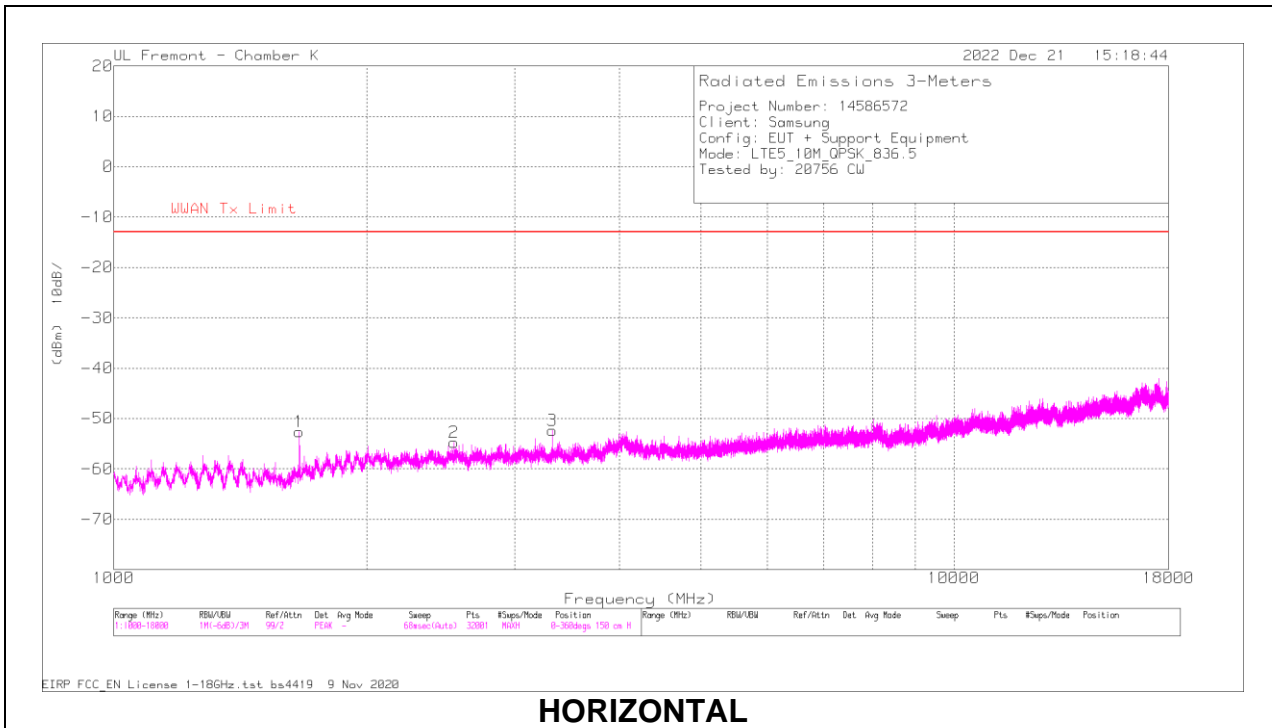


HORIZONTAL

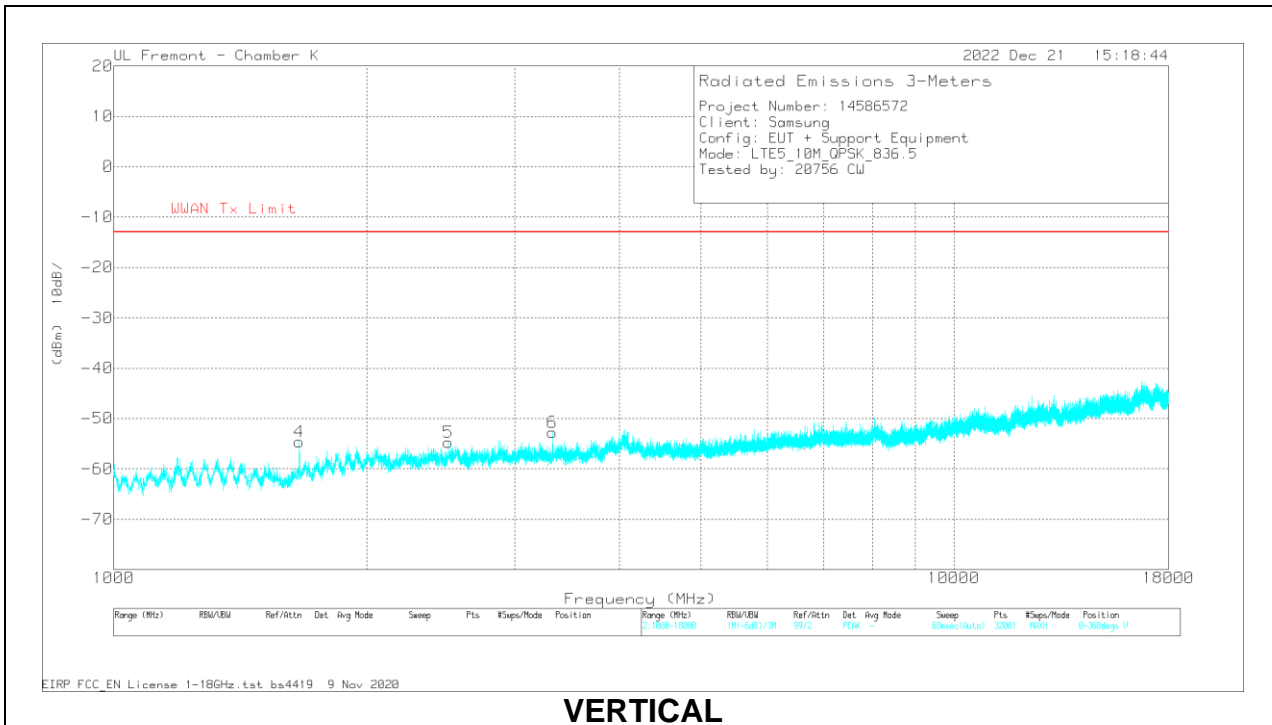


VERTICAL

MID CHANNEL RESULTS

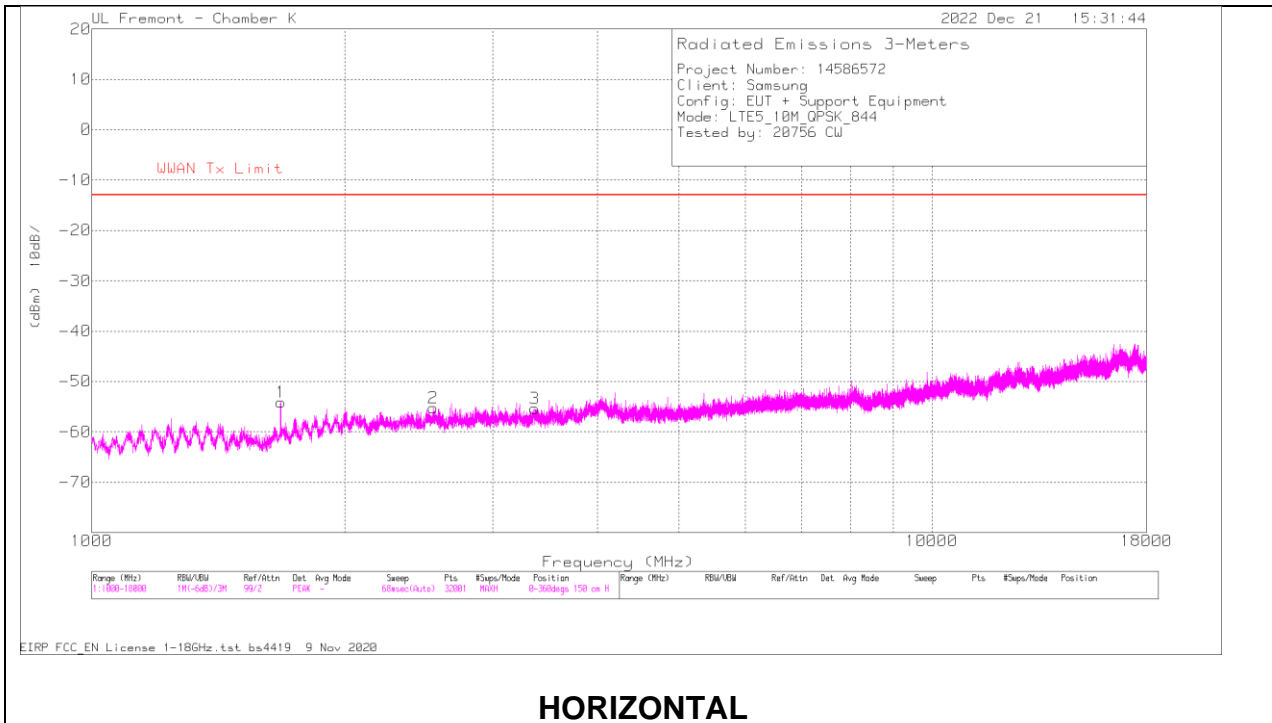


HORIZONTAL

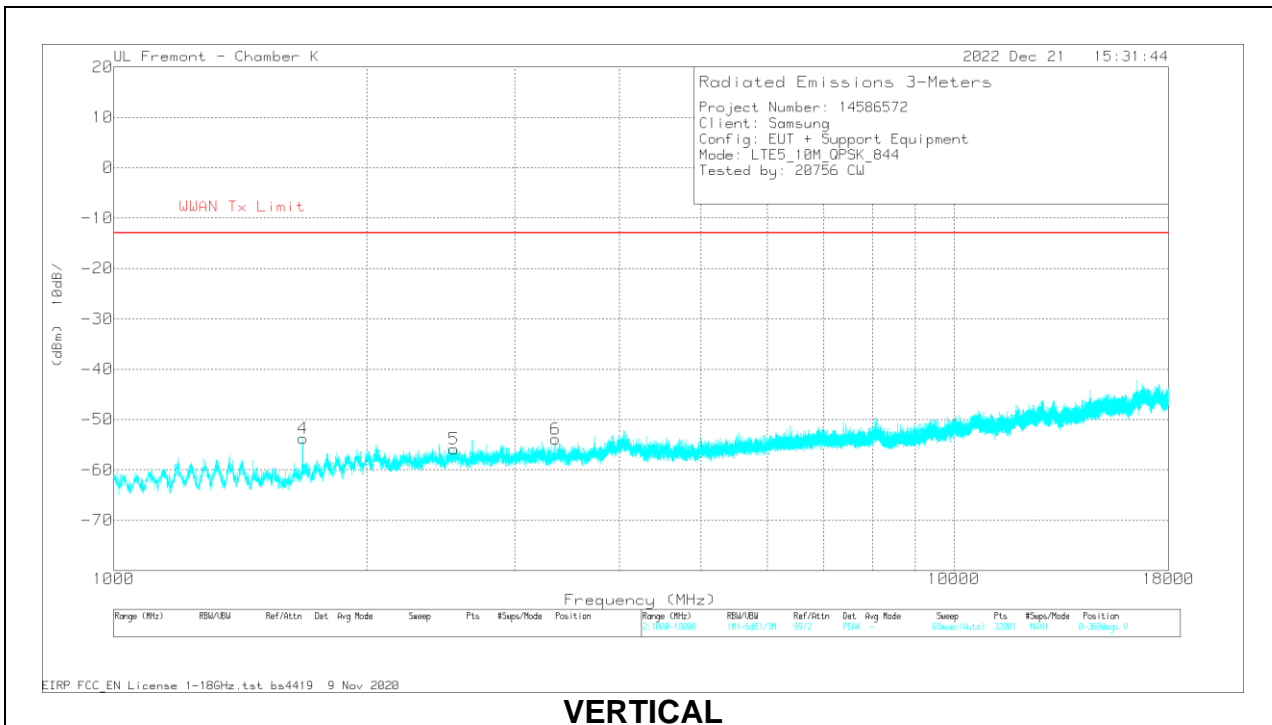


VERTICAL

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

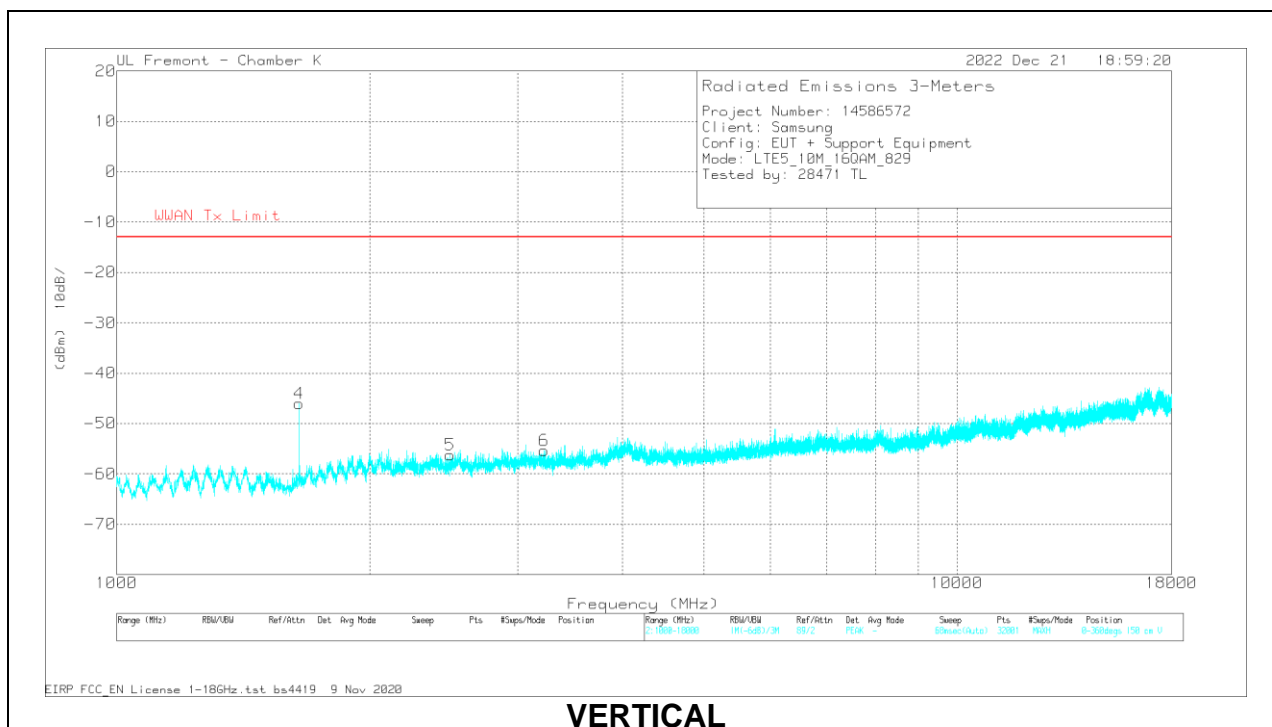
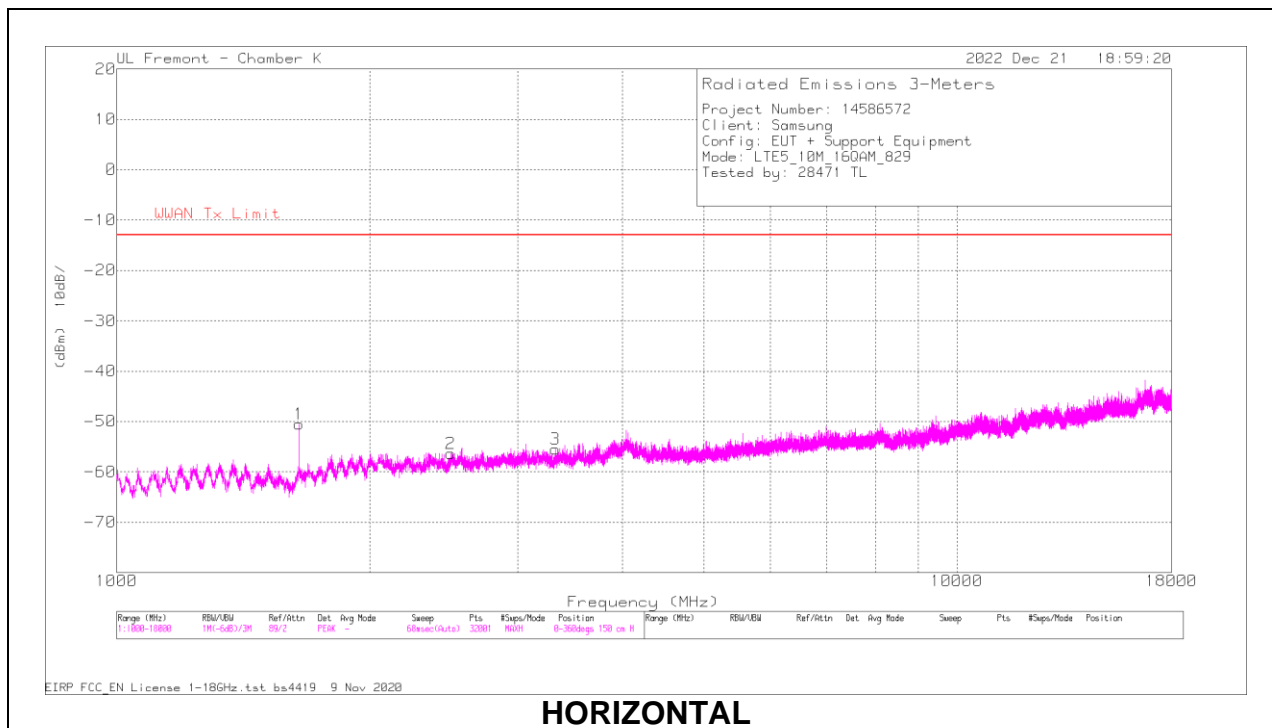
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cbl (dB)	EIRP CF	Corrected Reading (dBm)	WWAN Harmonics Limit	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
LOW CH 829 MHz												
1	1648.656	59.45	Pk	28.4	-46.6	-95.2	-53.95	-13	-40.95	0-360	150	H
2	2516.188	52.95	Pk	32.2	-44.4	-95.2	-54.45	-13	-41.45	0-360	150	H
3	3417.719	50.92	Pk	32.7	-42.5	-95.2	-54.08	-13	-41.08	0-360	150	H
4	1649.188	56.87	Pk	28.5	-46.5	-95.2	-56.33	-13	-43.33	0-360	150	V
5	2558.156	52.78	Pk	32.2	-44.3	-95.2	-54.52	-13	-41.52	0-360	150	V
6	3395.141	50.77	Pk	32.7	-42.6	-95.2	-54.33	-13	-41.33	0-360	150	V
MID CH 836.5 MHz												
1	1663.531	60.6	Pk	28.6	-46.6	-95.2	-52.6	-13	-39.6	0-360	150	H
2	2542.219	52.76	Pk	32.2	-44.5	-95.2	-54.74	-13	-41.74	0-360	150	H
3	3327.938	52.67	Pk	32.8	-42.7	-95.2	-52.43	-13	-39.43	0-360	150	H
4	1663.531	58.58	Pk	28.6	-46.6	-95.2	-54.62	-13	-41.62	0-360	150	V
5	2501.313	52.79	Pk	32.2	-44.5	-95.2	-54.71	-13	-41.71	0-360	150	V
6	3328.469	52.36	Pk	32.8	-42.7	-95.2	-52.74	-13	-39.74	0-360	150	V
HIGH CH 844 MHz												
1	1678.938	58.88	Pk	28.8	-46.6	-95.2	-54.12	-13	-41.12	0-360	150	H
2	2550.188	52.17	Pk	32.2	-44.4	-95.2	-55.23	-13	-42.23	0-360	150	H
3	3367.25	49.95	Pk	32.7	-42.8	-95.2	-55.35	-13	-42.35	0-360	150	H
4	1678.938	59.29	Pk	28.8	-46.6	-95.2	-53.71	-13	-40.71	0-360	150	V
5	2542.219	51.63	Pk	32.2	-44.5	-95.2	-55.87	-13	-42.87	0-360	150	V
6	3358.219	51.26	Pk	32.7	-42.6	-95.2	-53.84	-13	-40.84	0-360	150	V

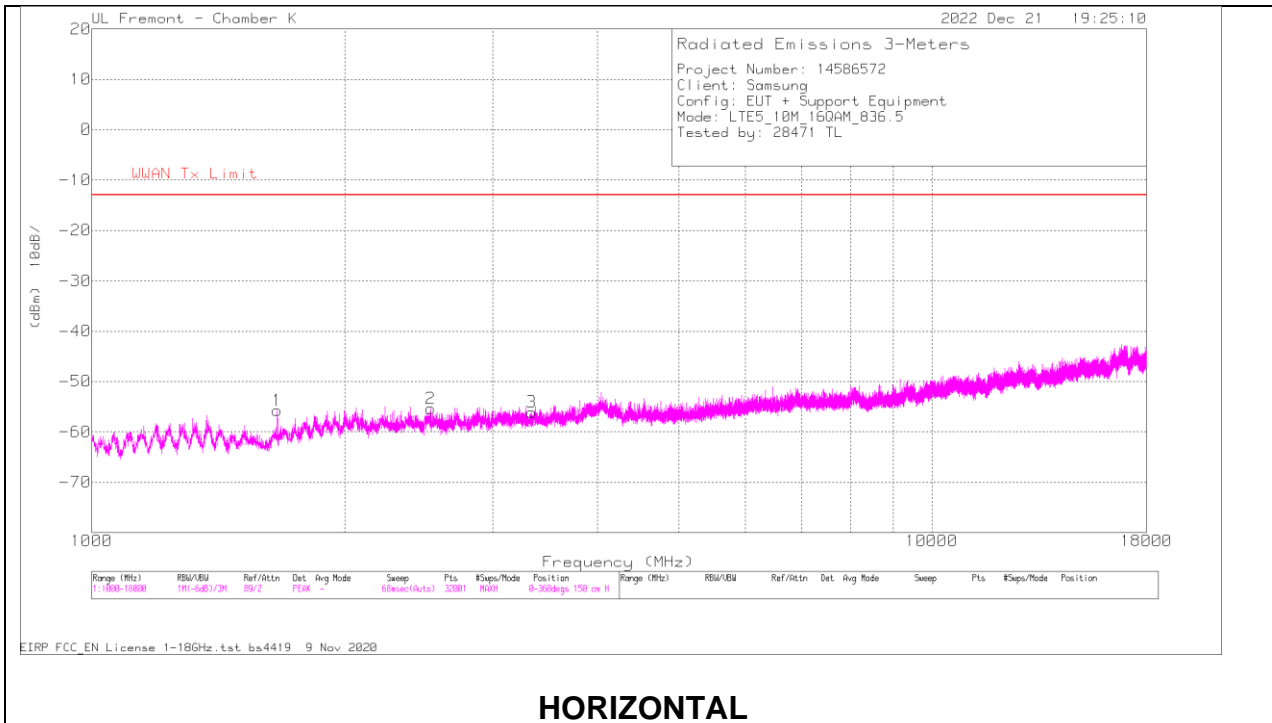
Pk - Peak detector

16QAM LTE BAND 5 (10.0MHZ BANDWIDTH)

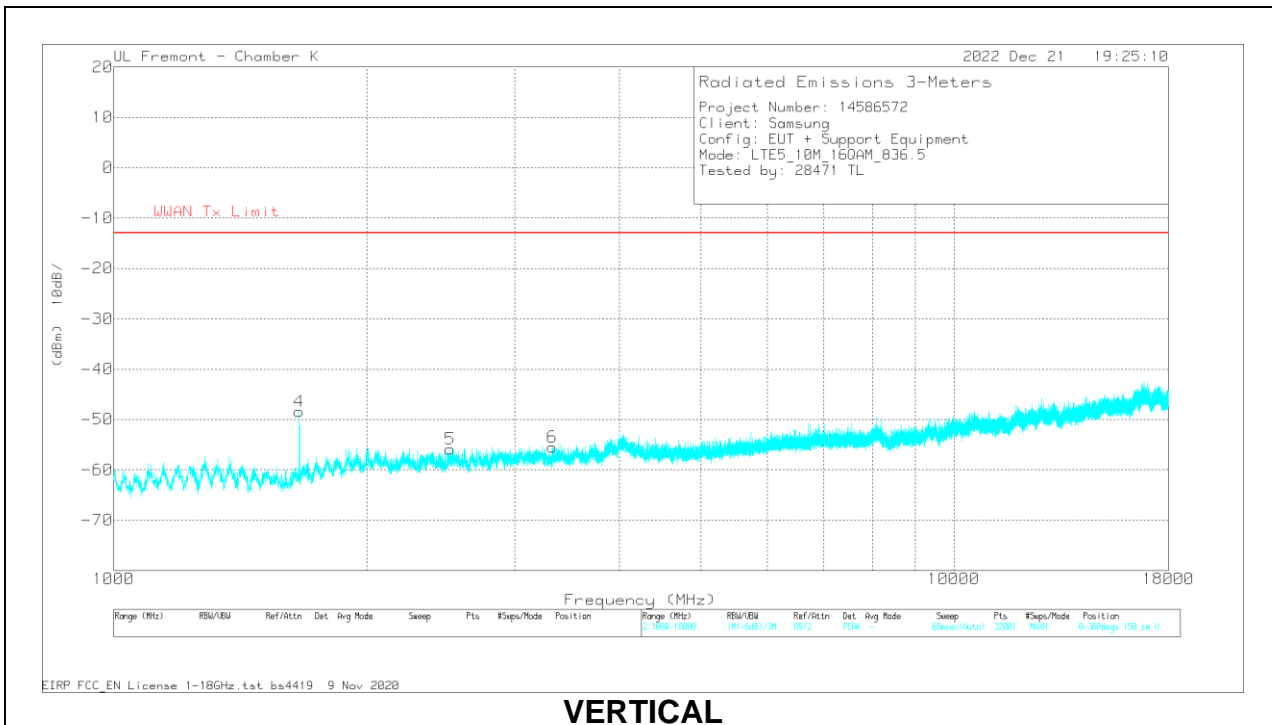
LOW CHANNEL RESULTS



MID CHANNEL RESULTS

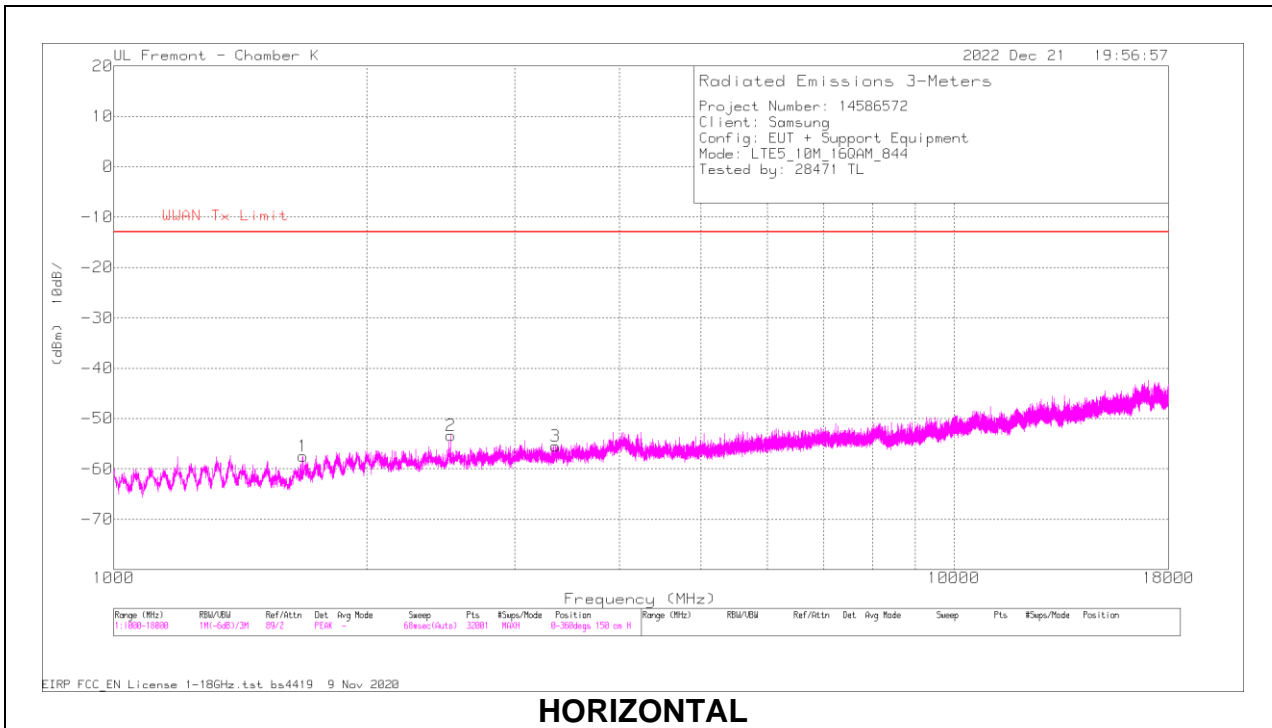


HORIZONTAL

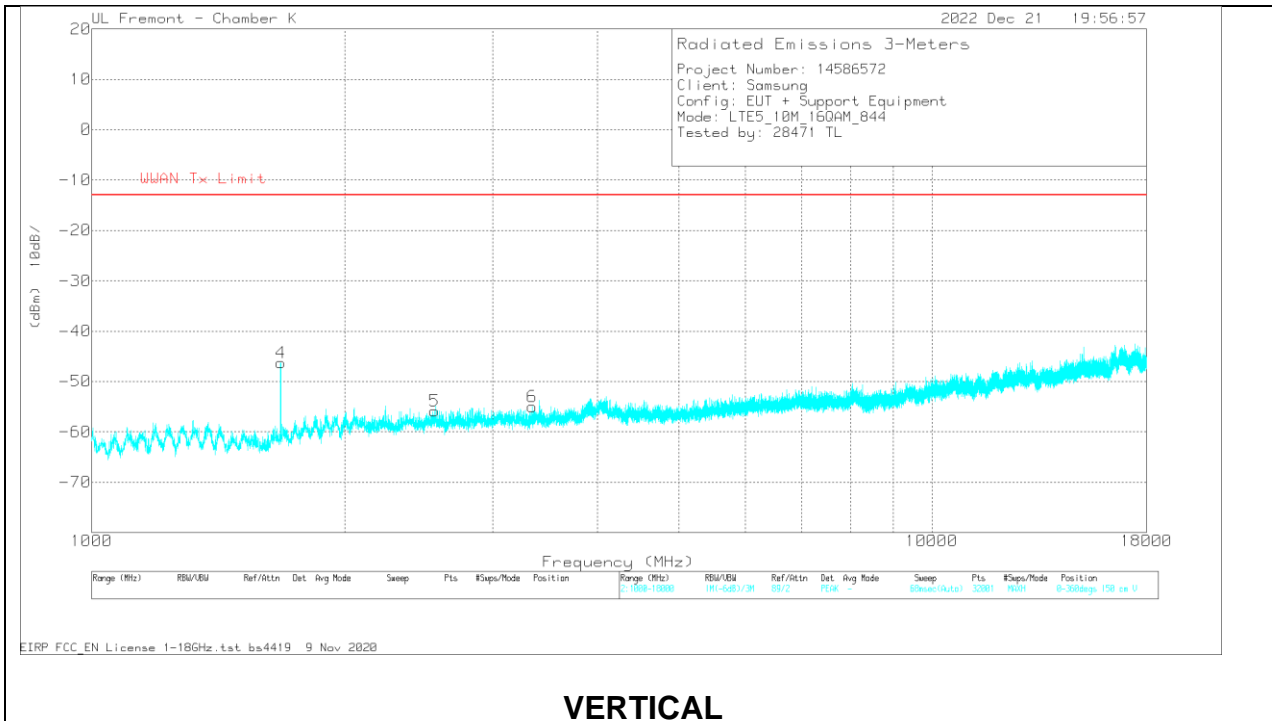


VERTICAL

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cbl (dB)	EIRP CF	Corrected Reading (dBm)	WWAN Harmonics Limit	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
LOW CH 829 MHz												
1	1648.656	62.85	Pk	28.4	-46.6	-95.2	-50.55	-13	-37.55	0-360	150	H
2	2498.125	51.19	Pk	32.2	-44.6	-95.2	-56.41	-13	-43.41	0-360	150	H
3	3327.406	49.6	Pk	32.8	-42.7	-95.2	-55.5	-13	-42.5	0-360	150	H
4	1648.656	67.37	Pk	28.4	-46.6	-95.2	-46.03	-13	-33.03	0-360	150	V
5	2495.469	51.31	Pk	32.2	-44.6	-95.2	-56.29	-13	-43.29	0-360	150	V
6	3227	49.43	Pk	32.8	-42.4	-95.2	-55.37	-13	-42.37	0-360	150	V
MID CH 836.5 MHz												
1	1664.063	57.45	Pk	28.6	-46.6	-95.2	-55.75	-13	-42.75	0-360	150	H
2	2530.531	52.01	Pk	32.2	-44.4	-95.2	-55.39	-13	-42.39	0-360	150	H
3	3339.094	48.95	Pk	32.8	-42.6	-95.2	-56.05	-13	-43.05	0-360	150	H
4	1664.063	64.8	Pk	28.6	-46.6	-95.2	-48.4	-13	-35.4	0-360	150	V
5	2515.656	51.48	Pk	32.2	-44.4	-95.2	-55.92	-13	-42.92	0-360	150	V
6	3328.469	49.67	Pk	32.8	-42.7	-95.2	-55.43	-13	-42.43	0-360	150	V
HIGH CH 844 MHz												
1	1678.938	55.47	Pk	28.8	-46.6	-95.2	-57.53	-13	-44.53	0-360	150	H
2	2518.313	54.15	Pk	32.2	-44.5	-95.2	-53.35	-13	-40.35	0-360	150	H
3	3357.688	49.55	Pk	32.7	-42.5	-95.2	-55.45	-13	-42.45	0-360	150	H
4	1678.938	66.69	Pk	28.8	-46.6	-95.2	-46.31	-13	-33.31	0-360	150	V
5	2558.156	51.45	Pk	32.2	-44.3	-95.2	-55.85	-13	-42.85	0-360	150	V
6	3347.063	49.95	Pk	32.8	-42.6	-95.2	-55.05	-13	-42.05	0-360	150	V

Pk - Peak detector

10.2.8. LTE BAND 12

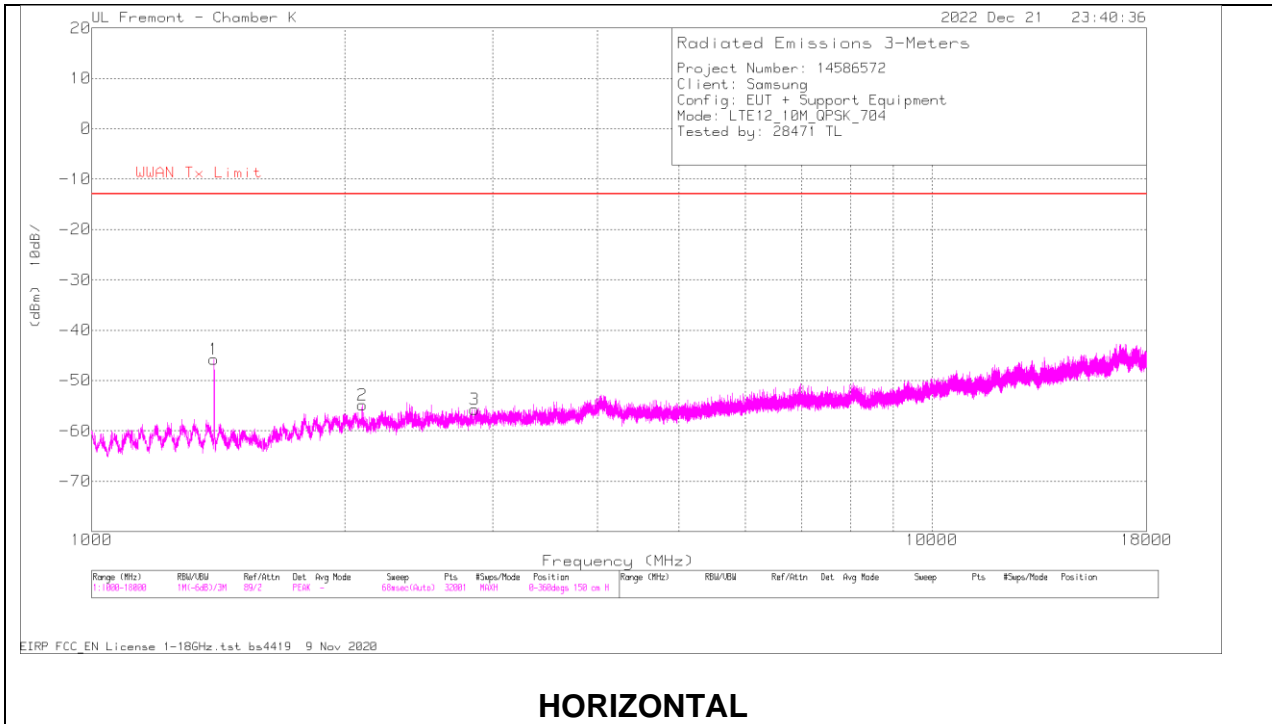
LIMITS

FCC: §27.53 (g)

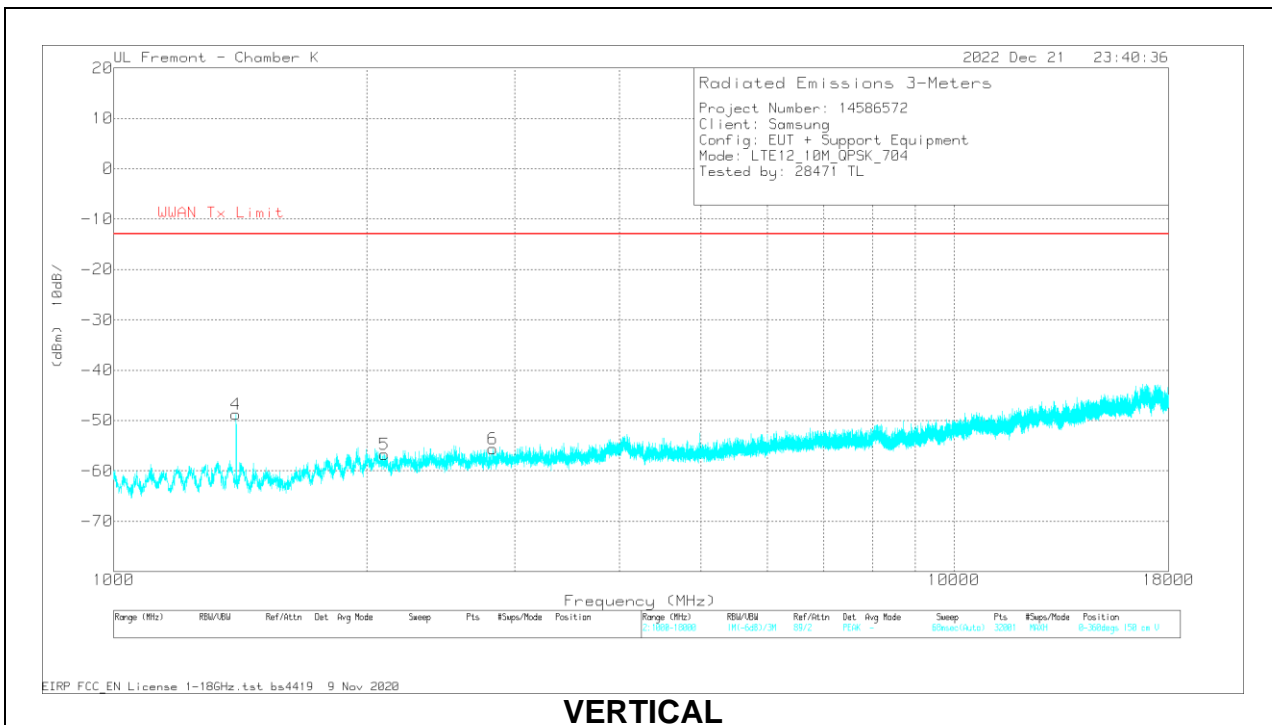
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log (P)$ dB.

QPSK LTE BAND 12 (10.0MHZ BANDWIDTH)

LOW CHANNEL RESULTS

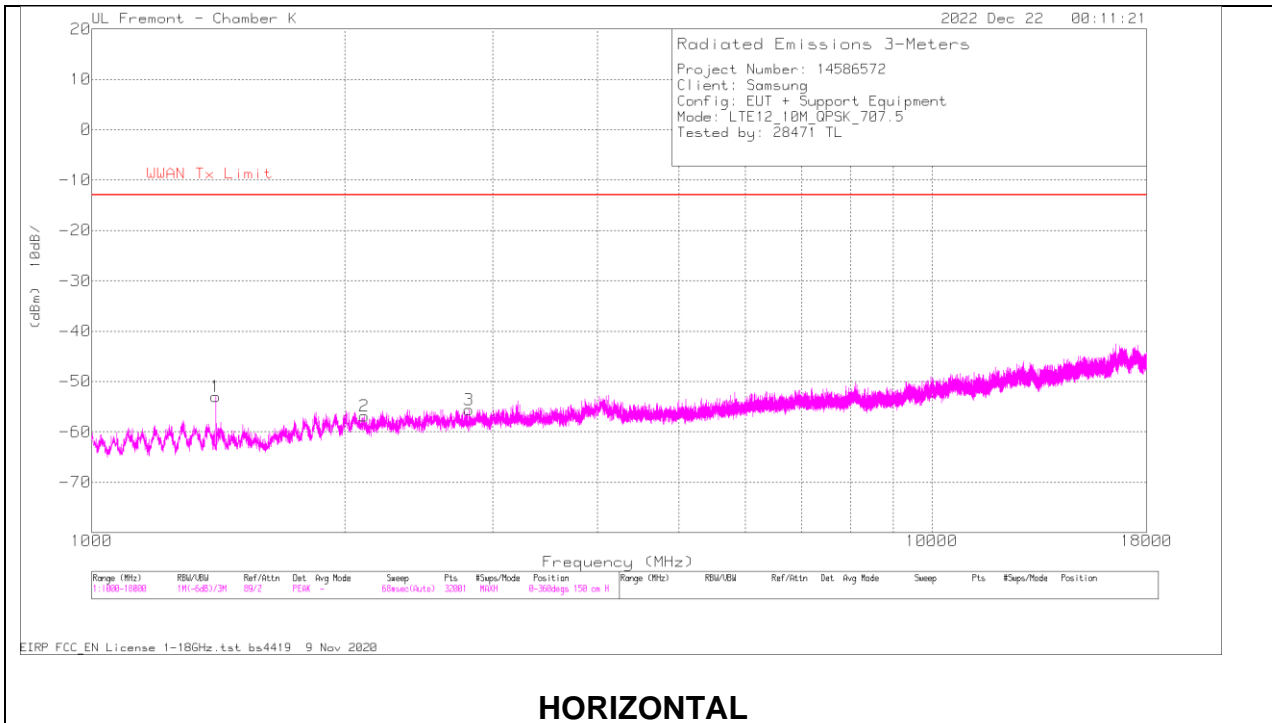


HORIZONTAL

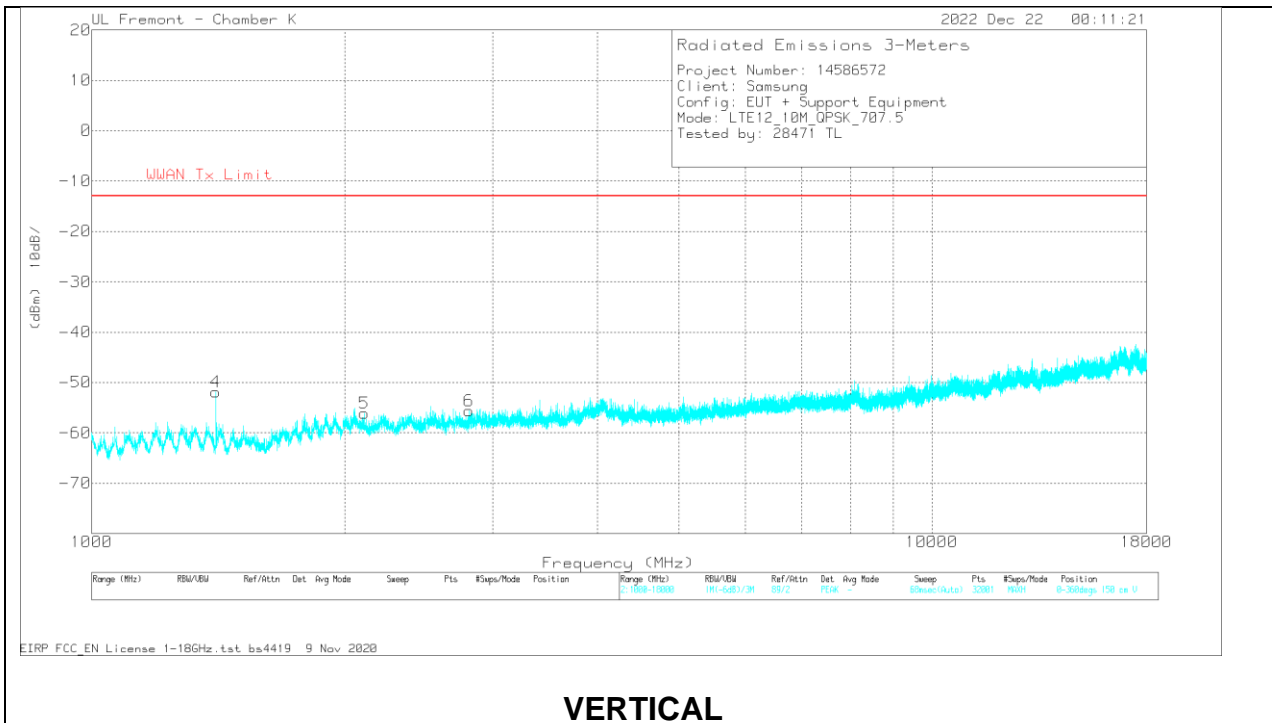


VERTICAL

MID CHANNEL RESULTS

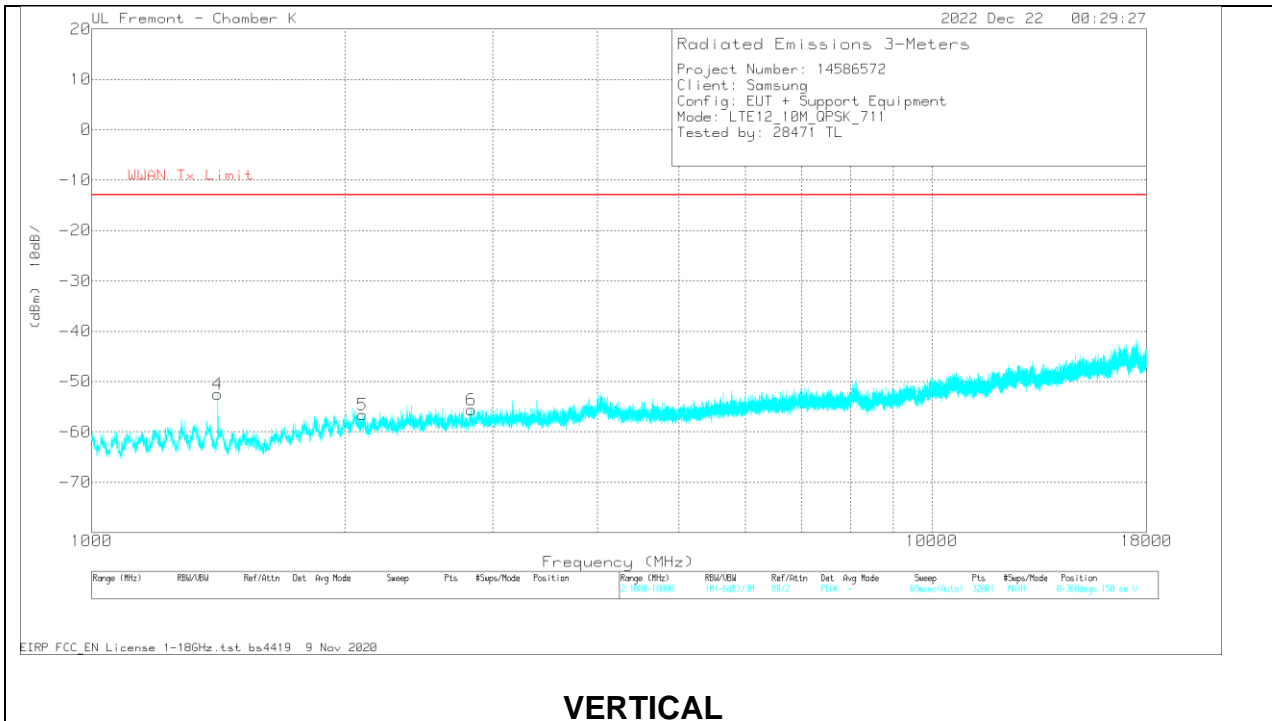
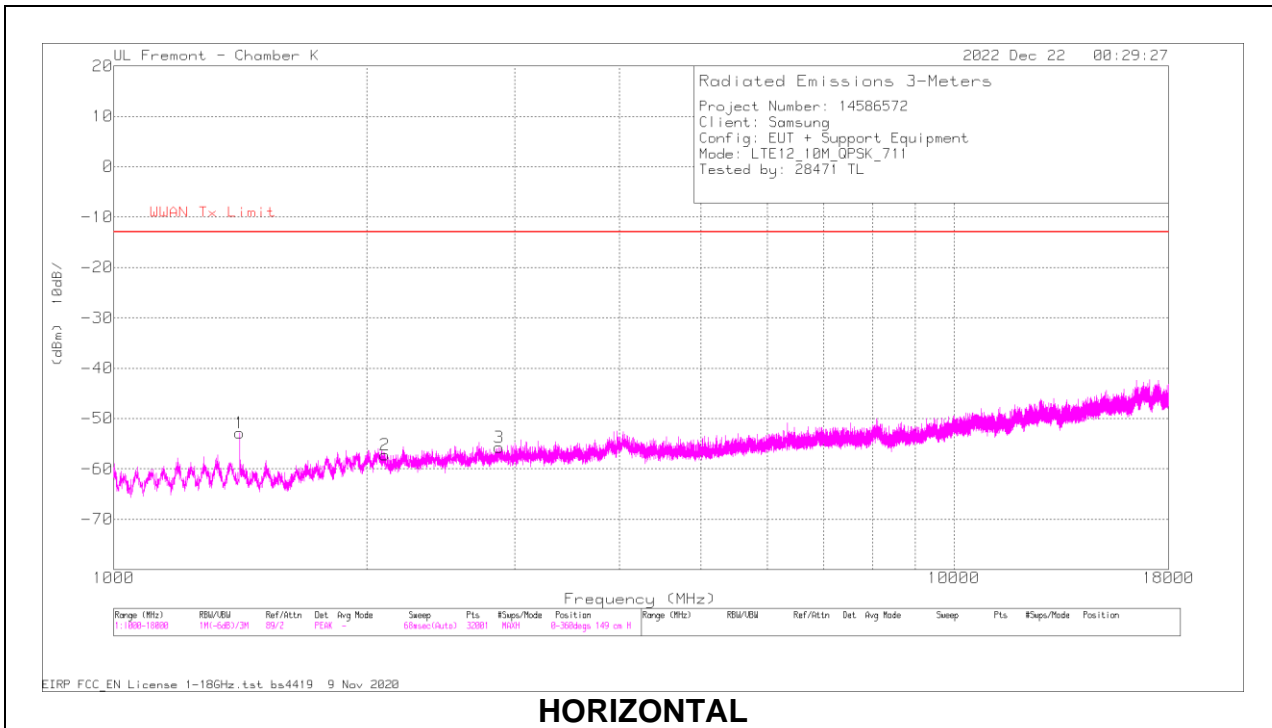


HORIZONTAL



VERTICAL

HIGH CHANNEL RESULTS



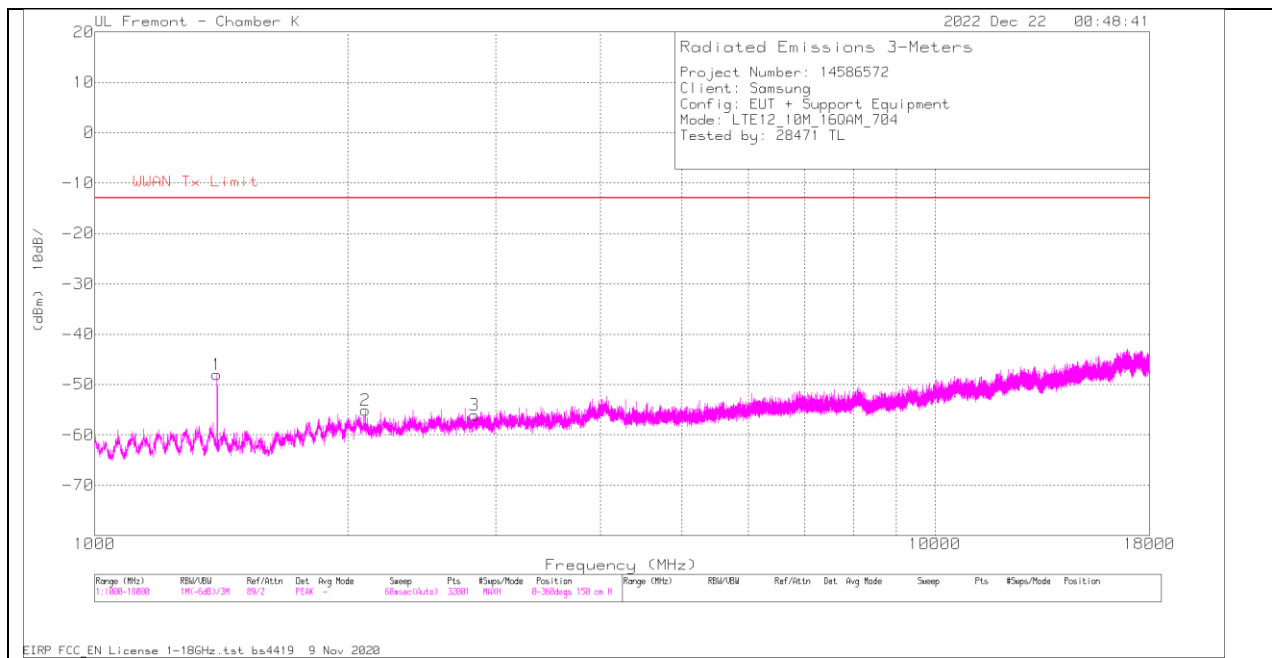
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cbl (dB)	EIRP CF	Corrected Reading (dBm)	WWAN Harmonics Limit	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
LOW CH 704 MHz												
1	1398.969	66.93	Pk	28.8	-46.3	-95.2	-45.77	-13	-32.77	0-360	150	H
2	2098.625	54.01	Pk	31.7	-45.4	-95.2	-54.89	-13	-41.89	0-360	150	H
3	2857.781	50.66	Pk	32.3	-43.5	-95.2	-55.74	-13	-42.74	0-360	150	H
4	1398.438	63.87	Pk	28.8	-46.3	-95.2	-48.83	-13	-35.83	0-360	150	V
5	2100.219	52.42	Pk	31.6	-45.6	-95.2	-56.78	-13	-43.78	0-360	150	V
6	2824.313	51.08	Pk	32.2	-43.7	-95.2	-55.62	-13	-42.62	0-360	150	V
MID CH 707.5 MHz												
1	1405.875	59.65	Pk	28.8	-46.2	-95.2	-52.95	-13	-39.95	0-360	150	H
2	2109.25	52.48	Pk	31.6	-45.7	-95.2	-56.82	-13	-43.82	0-360	150	H
3	2814.219	51.19	Pk	32.2	-43.8	-95.2	-55.61	-13	-42.61	0-360	150	H
4	1405.875	60.76	Pk	28.8	-46.2	-95.2	-51.84	-13	-38.84	0-360	150	V
5	2109.25	53.19	Pk	31.6	-45.7	-95.2	-56.11	-13	-43.11	0-360	150	V
6	2812.094	50.98	Pk	32.2	-43.6	-95.2	-55.62	-13	-42.62	0-360	150	V
HIGH CH 711 MHz												
1	1412.781	59.98	Pk	28.7	-46.3	-95.2	-52.82	-13	-39.82	0-360	149	H
2	2104.469	51.86	Pk	31.6	-45.5	-95.2	-57.24	-13	-44.24	0-360	149	H
3	2874.781	50.62	Pk	32.4	-43.6	-95.2	-55.78	-13	-42.78	0-360	149	H
4	1412.781	60.25	Pk	28.7	-46.3	-95.2	-52.55	-13	-39.55	0-360	150	V
5	2101.281	52.65	Pk	31.6	-45.6	-95.2	-56.55	-13	-43.55	0-360	150	V
6	2832.813	50.89	Pk	32.3	-43.6	-95.2	-55.61	-13	-42.61	0-360	150	V

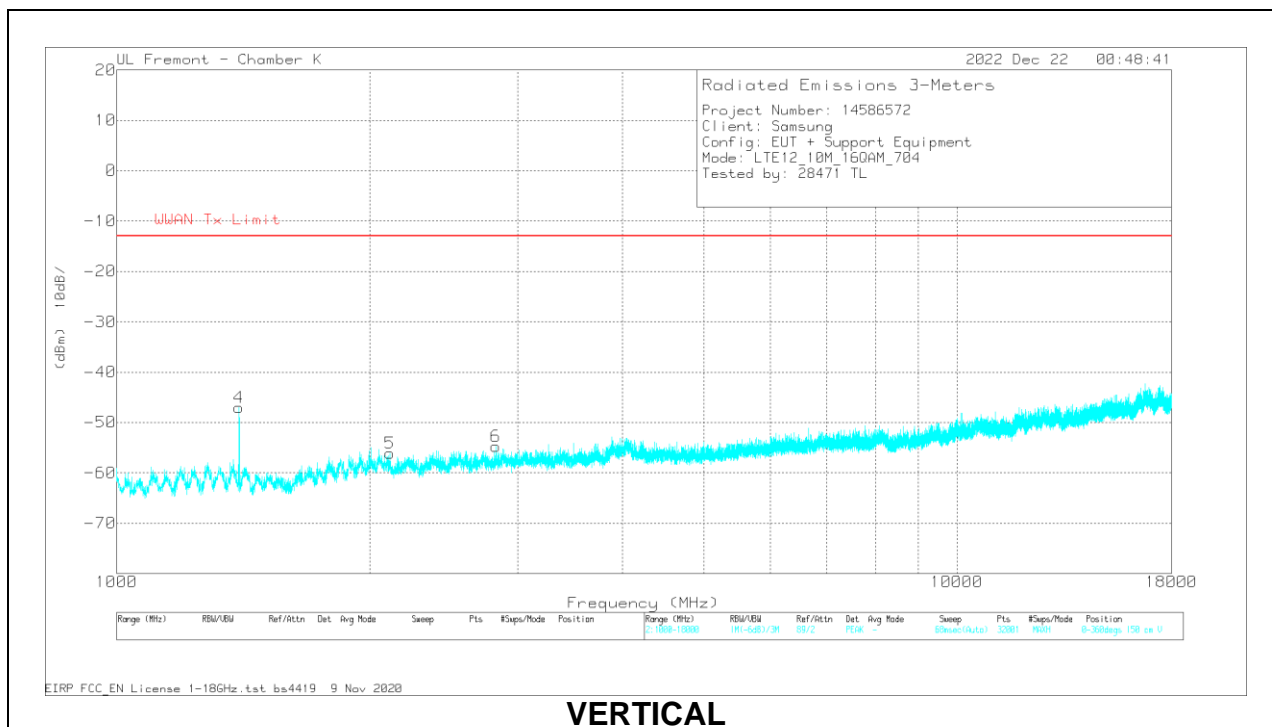
Pk - Peak detector

16QAM LTE BAND 12 (10.0MHZ BANDWIDTH)

LOW CHANNEL RESULTS

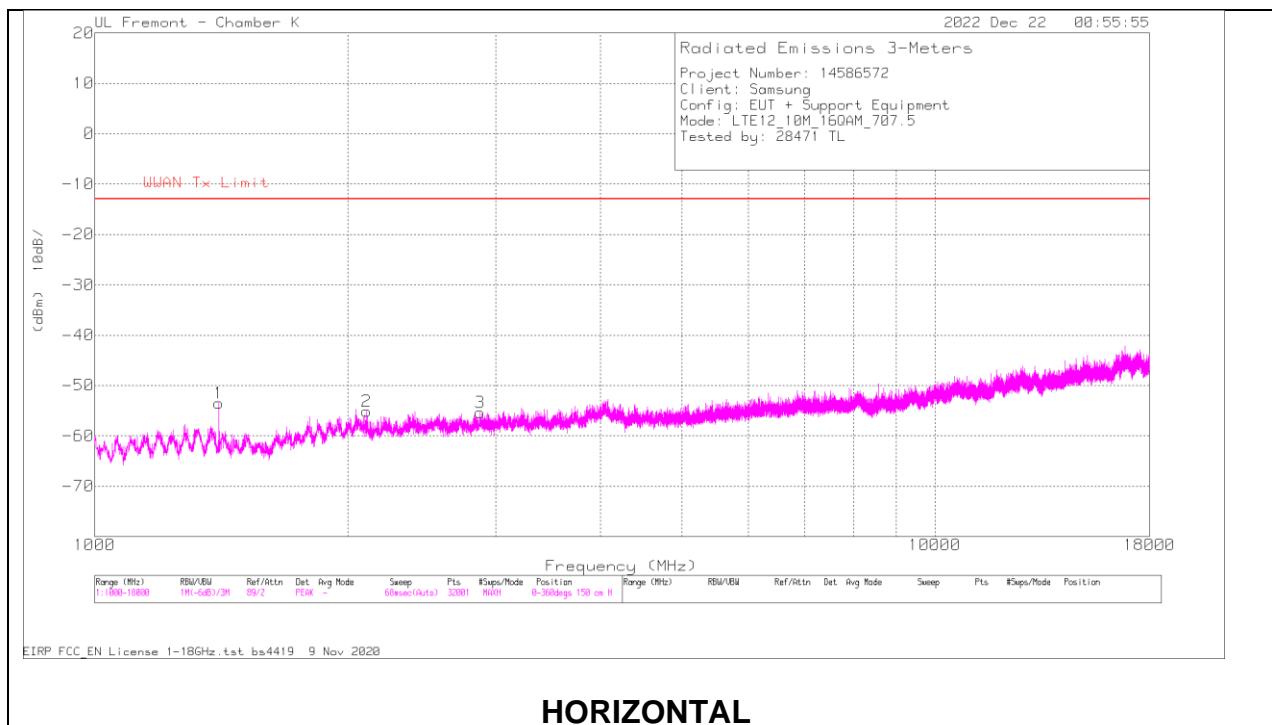


HORIZONTAL

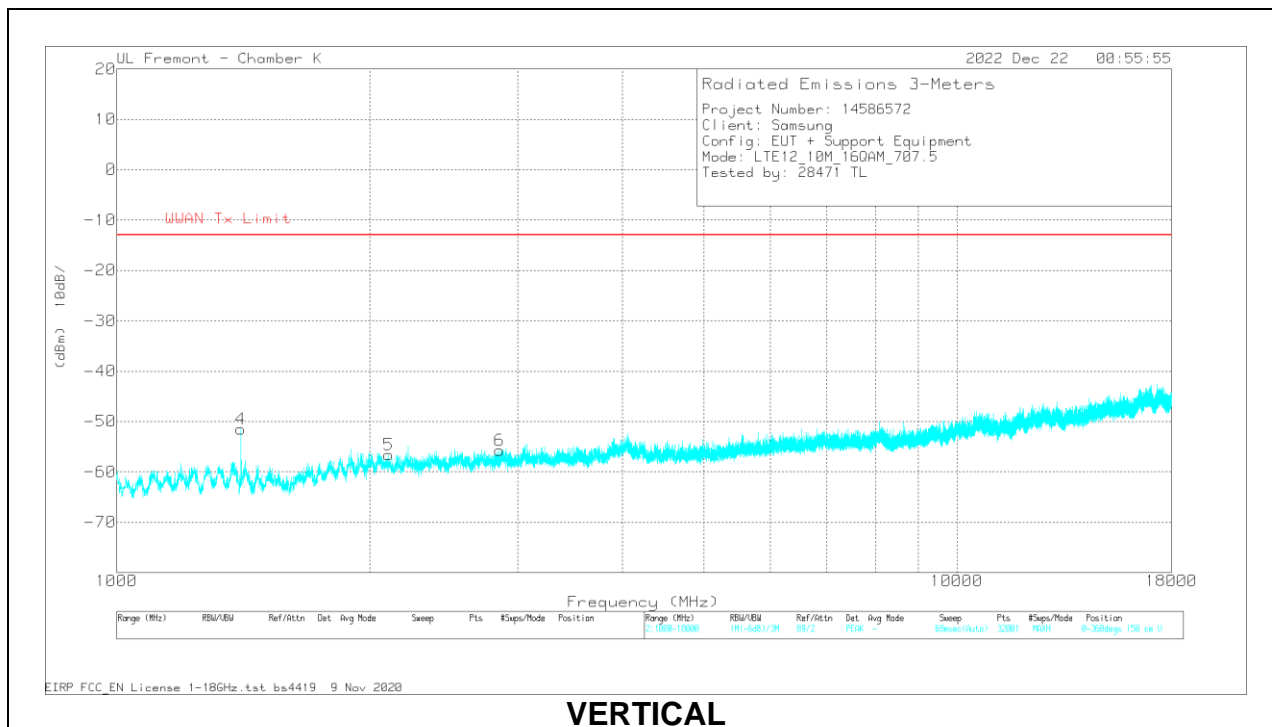


VERTICAL

MID CHANNEL RESULTS

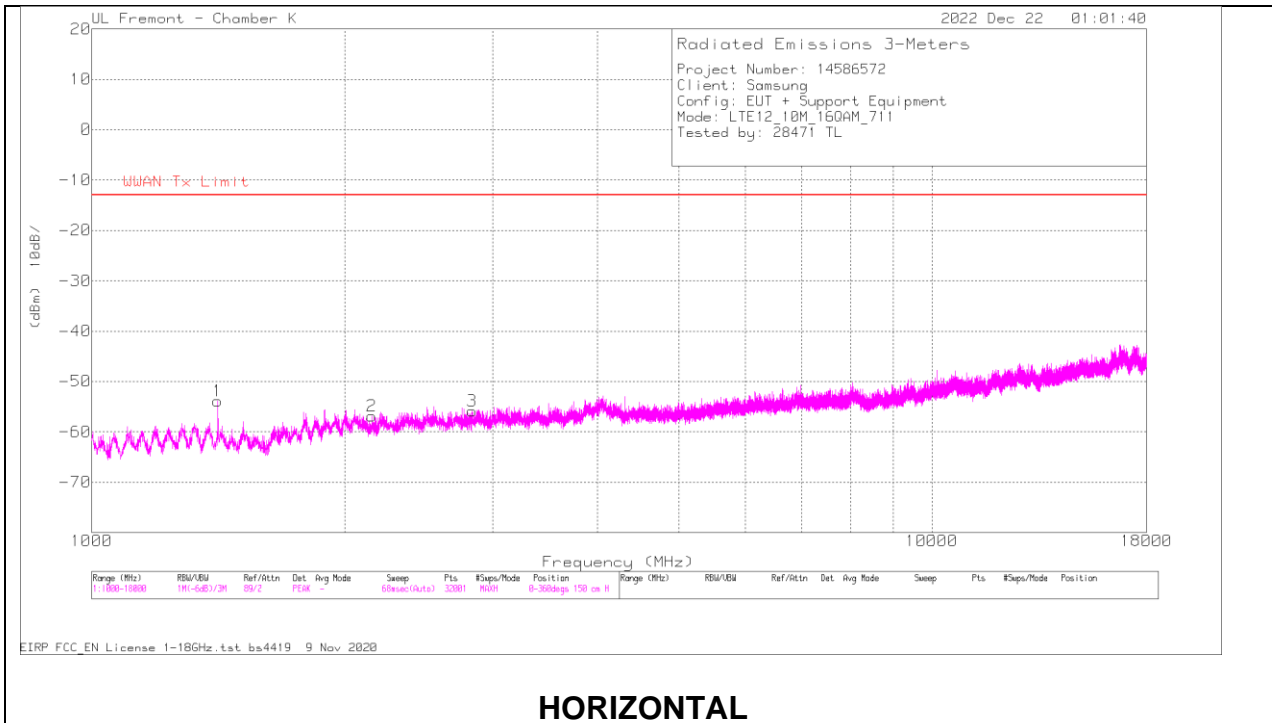


HORIZONTAL

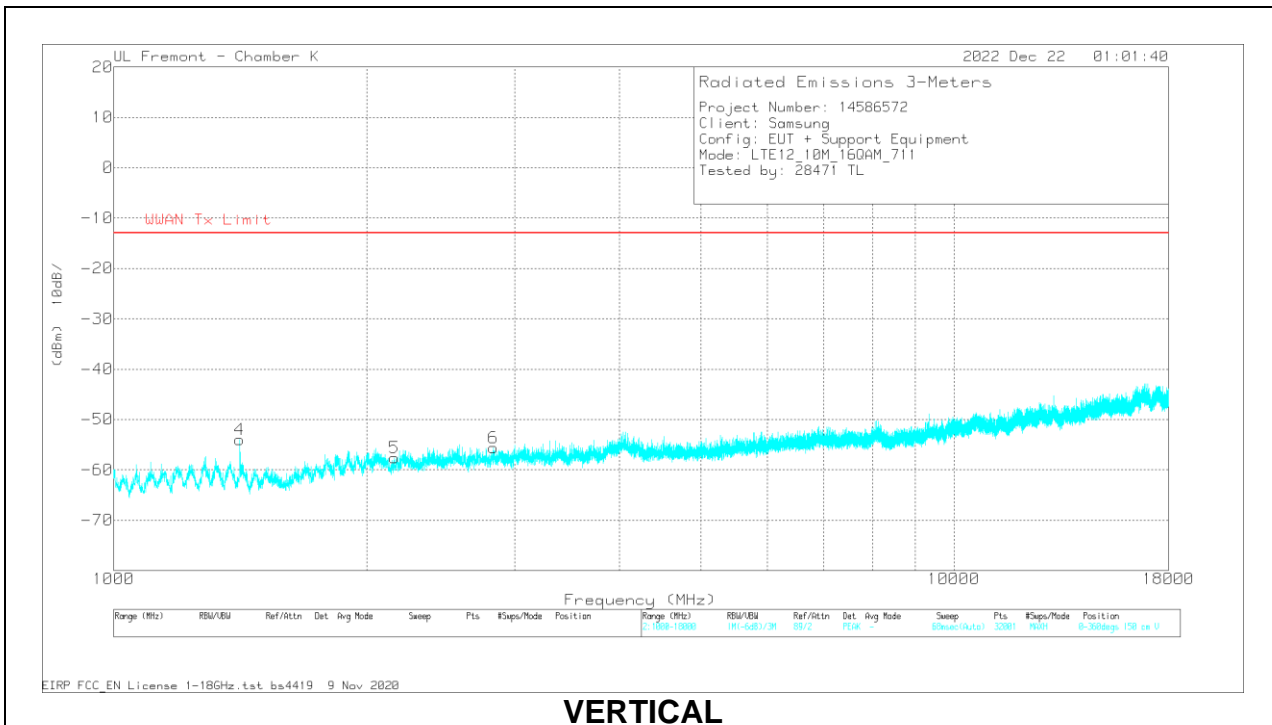


VERTICAL

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cbl (dB)	EIRP CF	Corrected Reading (dBm)	WWAN Harmonics Limit	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
LOW CH 704 MHz												
1	1398.969	64.66	Pk	28.8	-46.3	-95.2	-48.04	-13	-35.04	0-360	150	H
2	2099.156	53.84	Pk	31.6	-45.4	-95.2	-55.16	-13	-42.16	0-360	150	H
3	2831.219	50.75	Pk	32.2	-43.8	-95.2	-56.05	-13	-43.05	0-360	150	H
4	1398.969	65.62	Pk	28.8	-46.3	-95.2	-47.08	-13	-34.08	0-360	150	V
5	2115.094	52.94	Pk	31.6	-45.5	-95.2	-56.16	-13	-43.16	0-360	150	V
6	2828.563	51.96	Pk	32.2	-43.7	-95.2	-54.74	-13	-41.74	0-360	150	V
MID CH 707.5 MHz												
1	1405.875	59.07	Pk	28.8	-46.2	-95.2	-53.53	-13	-40.53	0-360	150	H
2	2108.719	54.19	Pk	31.6	-45.7	-95.2	-55.11	-13	-42.11	0-360	150	H
3	2873.719	50.94	Pk	32.4	-43.5	-95.2	-55.36	-13	-42.36	0-360	150	H
4	1405.875	61.04	Pk	28.8	-46.2	-95.2	-51.56	-13	-38.56	0-360	150	V
5	2108.719	52.73	Pk	31.6	-45.7	-95.2	-56.57	-13	-43.57	0-360	150	V
6	2855.656	50.68	Pk	32.3	-43.5	-95.2	-55.72	-13	-42.72	0-360	150	V
HIGH CH 711 MHz												
1	1412.781	58.93	Pk	28.7	-46.3	-95.2	-53.87	-13	-40.87	0-360	150	H
2	2154.938	52.49	Pk	31.5	-45.7	-95.2	-56.91	-13	-43.91	0-360	150	H
3	2836	50.72	Pk	32.3	-43.7	-95.2	-55.88	-13	-42.88	0-360	150	H
4	1412.781	58.84	Pk	28.7	-46.3	-95.2	-53.96	-13	-40.96	0-360	150	V
5	2158.656	51.65	Pk	31.5	-45.5	-95.2	-57.55	-13	-44.55	0-360	150	V
6	2833.875	50.9	Pk	32.3	-43.6	-95.2	-55.6	-13	-42.6	0-360	150	V

Pk - Peak detector

10.2.9. LTE BAND 13

LIMITS

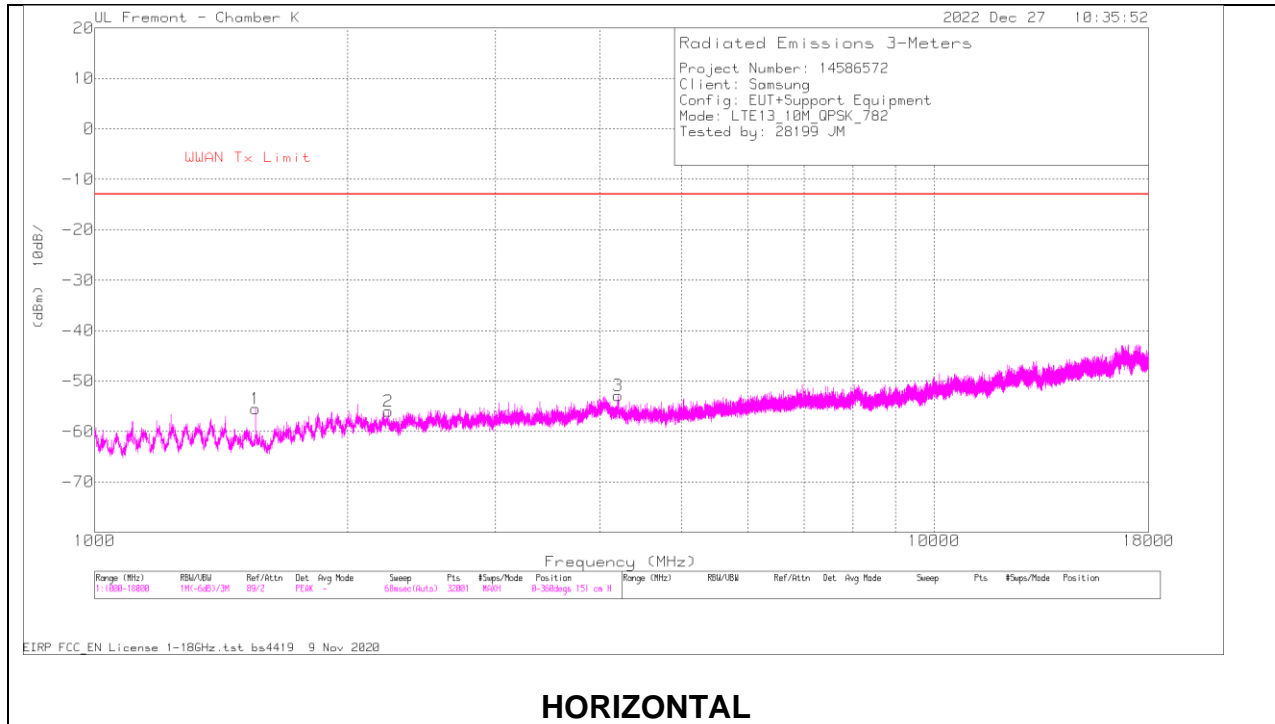
FCC: §27.53

(c) The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log (P)$ dB.

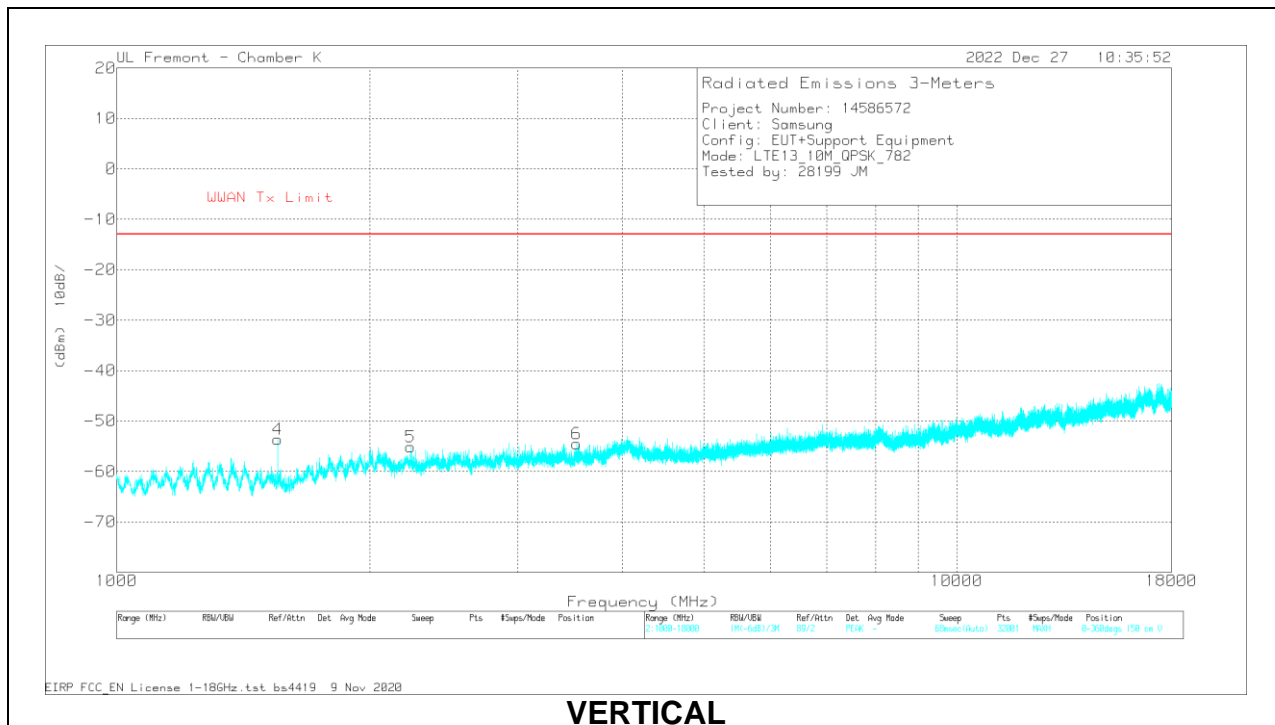
(f) Emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth.

QPSK LTE BAND 13 (10.0MHZ BANDWIDTH)

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

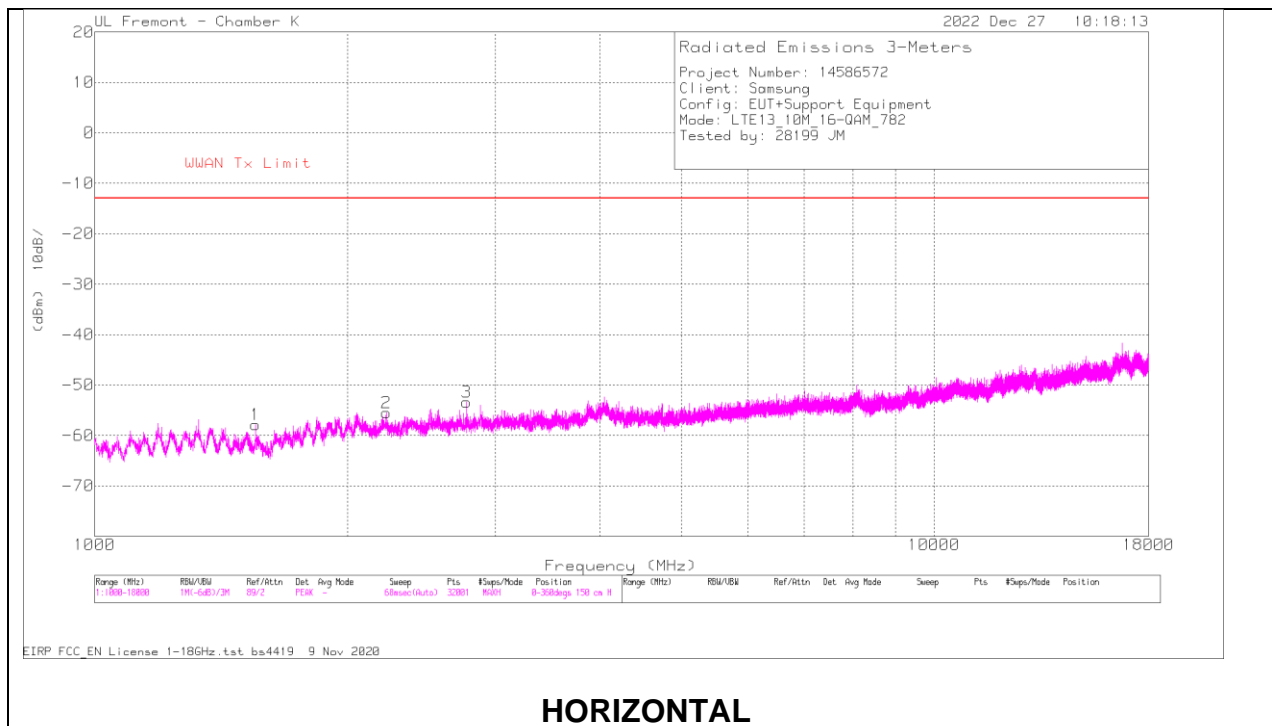
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cbl (dB)	EIRP CF	Corrected Reading (dBm)	WWAN Harmonics Limit	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
MID CH 782MHz												
1	1555.156	58.04	Pk	27.9	-46.2	-95.2	-55.46	-13	-42.46	0-360	151	H
2	2238.344	53.38	Pk	31.4	-45.6	-95.2	-56.02	-13	-43.02	0-360	151	H
3	4204.5	50.07	Pk	34.2	-42	-95.2	-52.93	-13	-39.93	0-360	151	H
4	1554.625	59.83	Pk	27.9	-46.1	-95.2	-53.57	-13	-40.57	0-360	150	V
5	2236.219	54.13	Pk	31.4	-45.5	-95.2	-55.17	-13	-42.17	0-360	150	V
6	3529.281	50.2	Pk	32.9	-42.4	-95.2	-54.5	-13	-41.5	0-360	150	V

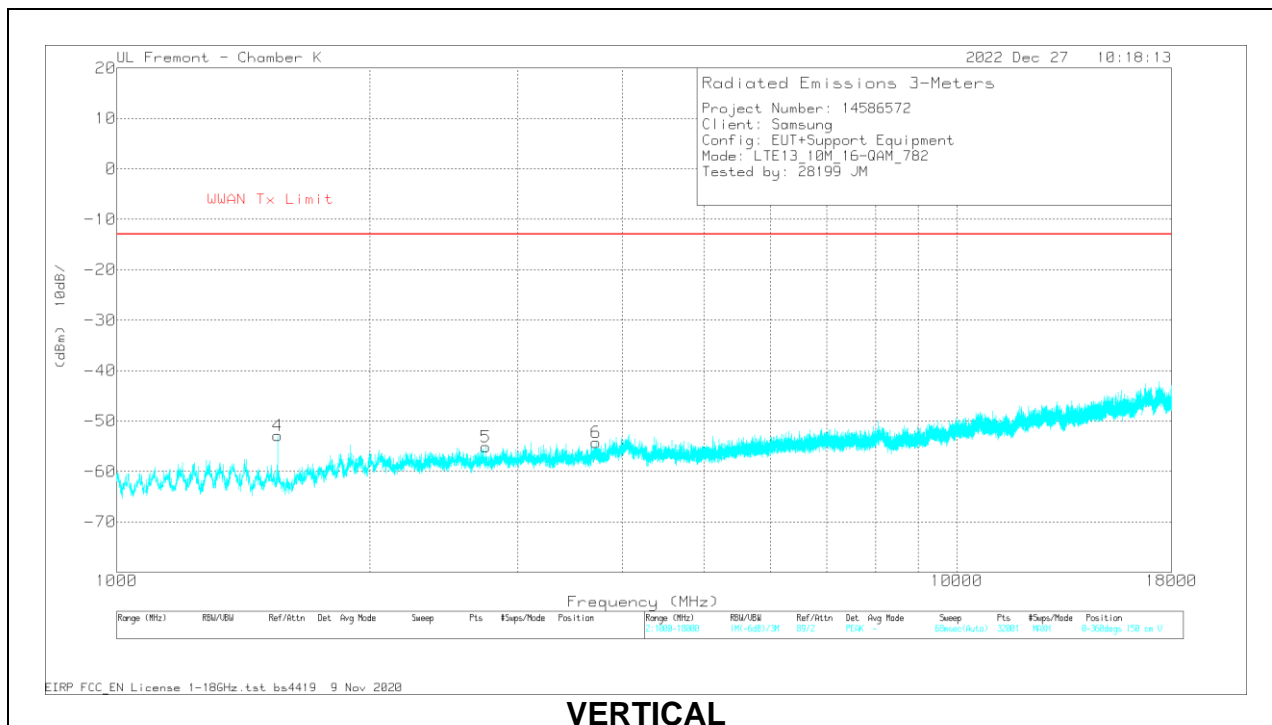
Pk - Peak detector

16QAM LTE BAND 13 (10.0MHZ BANDWIDTH)

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cbl (dB)	EIRP CF	Corrected Reading (dBm)	WWAN Harmonics Limit	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
MID CH 782MHz												
1	1554.625	55.6	Pk	27.9	-46.1	-95.2	-57.8	-13	-44.8	0-360	150	H
2	2227.719	53.85	Pk	31.4	-45.6	-95.2	-55.55	-13	-42.55	0-360	150	H
3	2775.969	53.47	Pk	32.3	-43.9	-95.2	-53.33	-13	-40.33	0-360	150	H
4	1554.625	60.49	Pk	27.9	-46.1	-95.2	-52.91	-13	-39.91	0-360	150	V
5	2747.813	51.87	Pk	32.3	-44.1	-95.2	-55.13	-13	-42.13	0-360	150	V
6	3718.938	49.75	Pk	33.4	-42.2	-95.2	-54.25	-13	-41.25	0-360	150	V

Pk - Peak detector

10.2.10. LTE BAND 26 (FCC PART 90S)

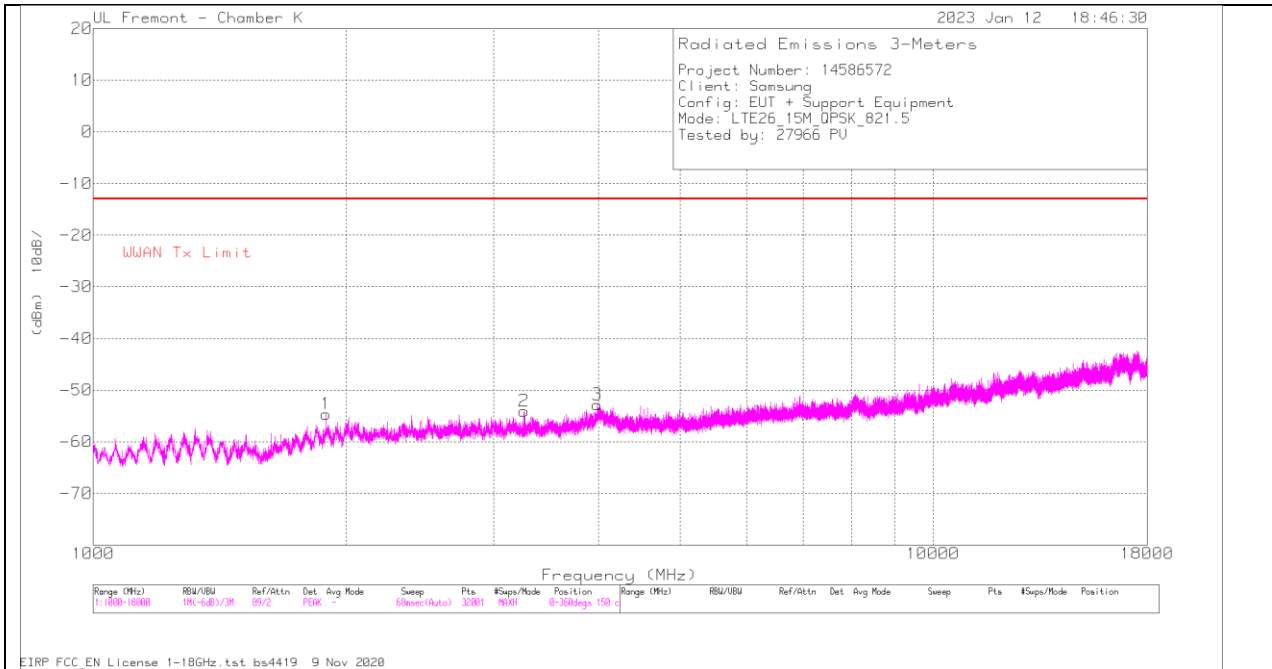
LIMITS

FCC: §90.691

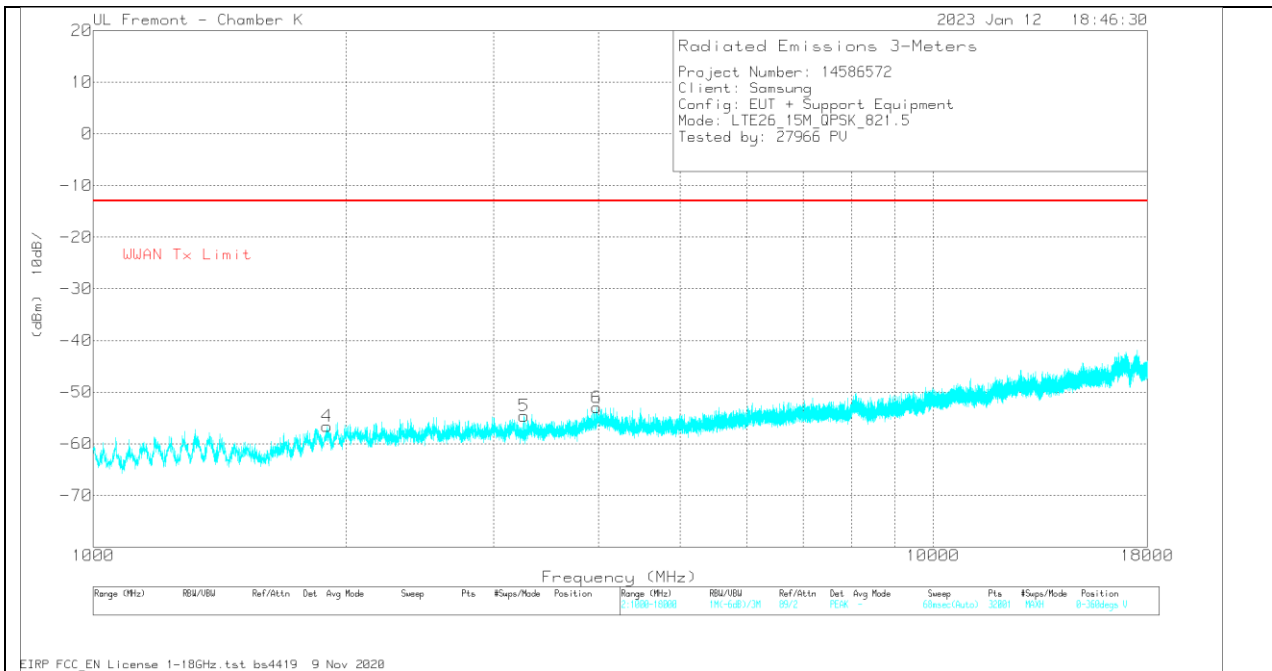
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log (P)$ dB.

QPSK LTE BAND 26 (15.0MHZ BANDWIDTH)

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

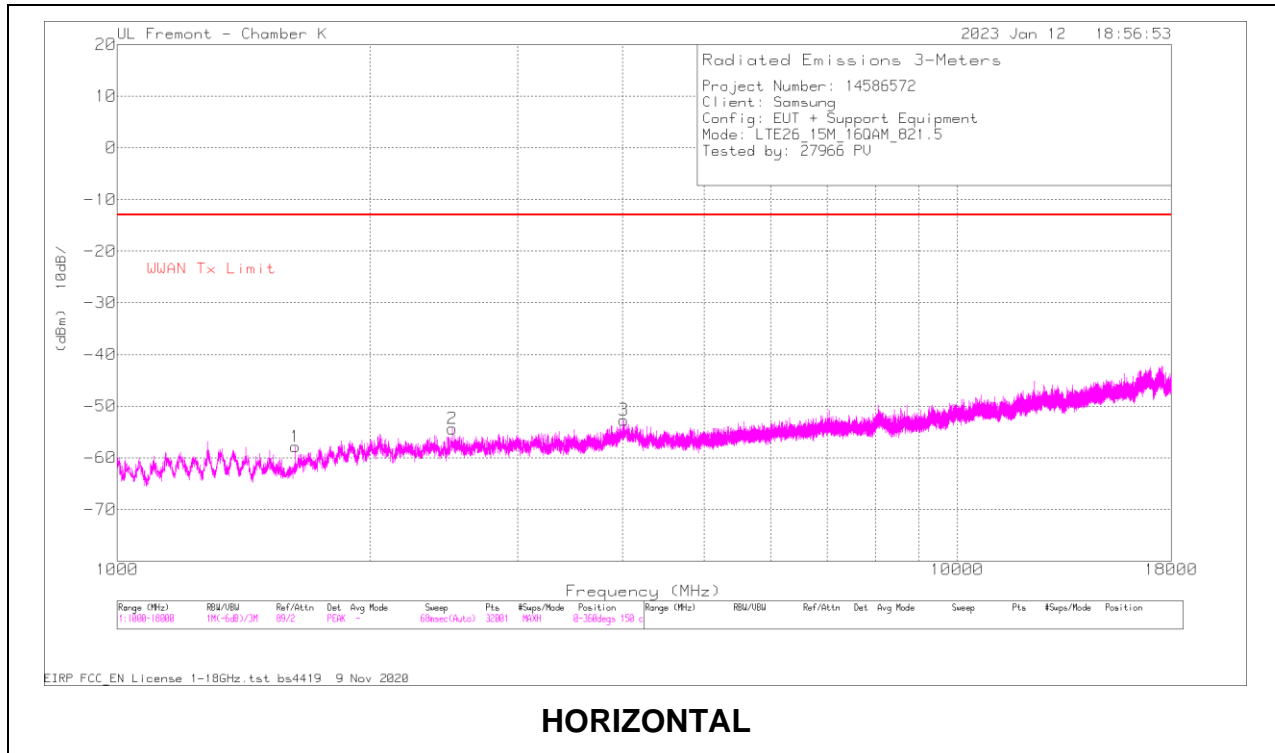
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cbi (dB)	EIRP CF	Corrected Reading (dBm)	WWAN Harmonics Limit	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
821.5 MHz												
1	1894.094	55.27	Pk	31.1	-45.8	-95.2	-54.63	-13	-41.63	0-360	150	H
2	3258.875	50.75	Pk	32.8	-42.4	-95.2	-54.05	-13	-41.05	0-360	150	H
3	3984.563	49.48	Pk	35	-42.1	-95.2	-52.82	-13	-39.82	0-360	150	H
4	1898.344	53.48	Pk	31.1	-46	-95.2	-56.62	-13	-43.62	0-360	150	V
5	3258.875	50.19	Pk	32.8	-42.4	-95.2	-54.61	-13	-41.61	0-360	150	V
6	3977.125	49.51	Pk	34.9	-42.2	-95.2	-52.99	-13	-39.99	0-360	150	V

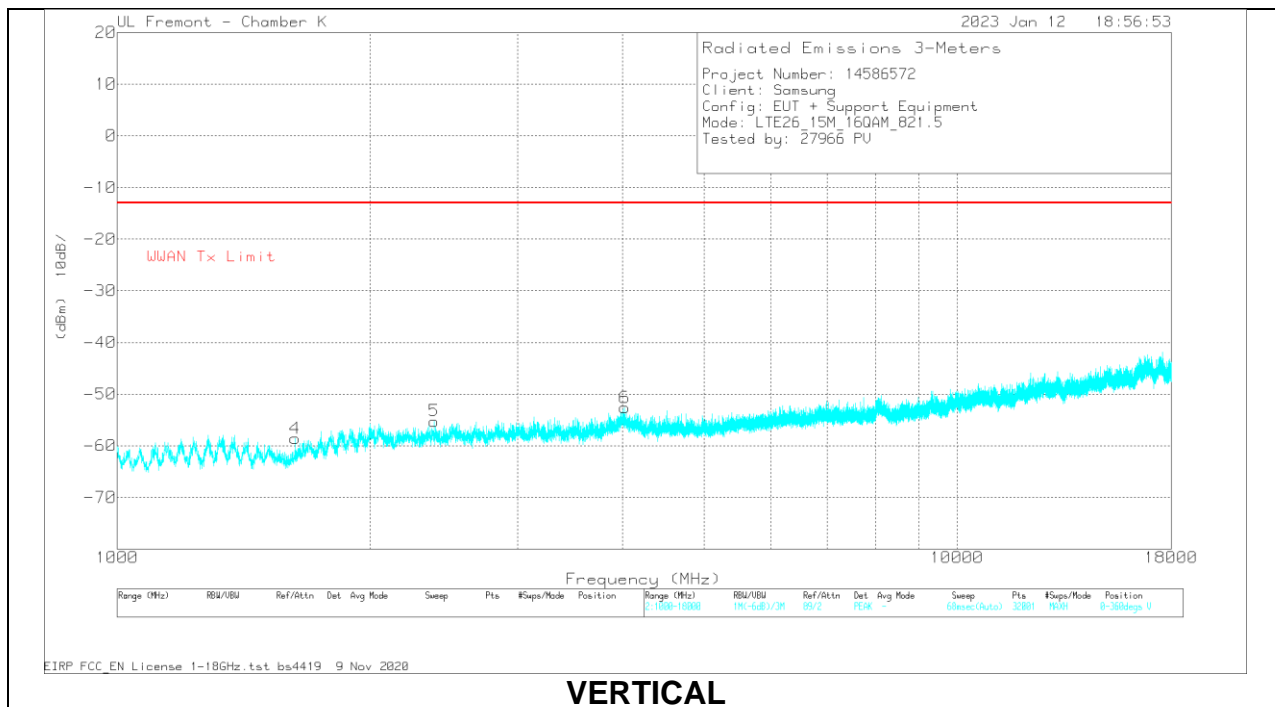
Pk - Peak detector

16QAM LTE BAND 26 (15.0MHZ BANDWIDTH)

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cbl (dB)	EIRP CF	Corrected Reading (dBm)	WWAN Harmonics Limit	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
821.5 MHz												
1	1629.531	55.44	Pk	28.2	-46.3	-95.2	-57.86	-13	-44.86	0-360	150	H
2	2506.625	53.15	Pk	32.2	-44.5	-95.2	-54.35	-13	-41.35	0-360	150	H
3	4010.594	49.6	Pk	35.2	-42.3	-95.2	-52.7	-13	-39.7	0-360	150	H
4	1629	54.71	Pk	28.2	-46.3	-95.2	-58.59	-13	-45.59	0-360	150	V
5	2383.906	52.86	Pk	31.8	-44.7	-95.2	-55.24	-13	-42.24	0-360	150	V
6	4020.688	49.57	Pk	35.2	-42.2	-95.2	-52.63	-13	-39.63	0-360	150	V

Pk - Peak detector

10.2.11. LTE BAND 26 (FCC PART 22)

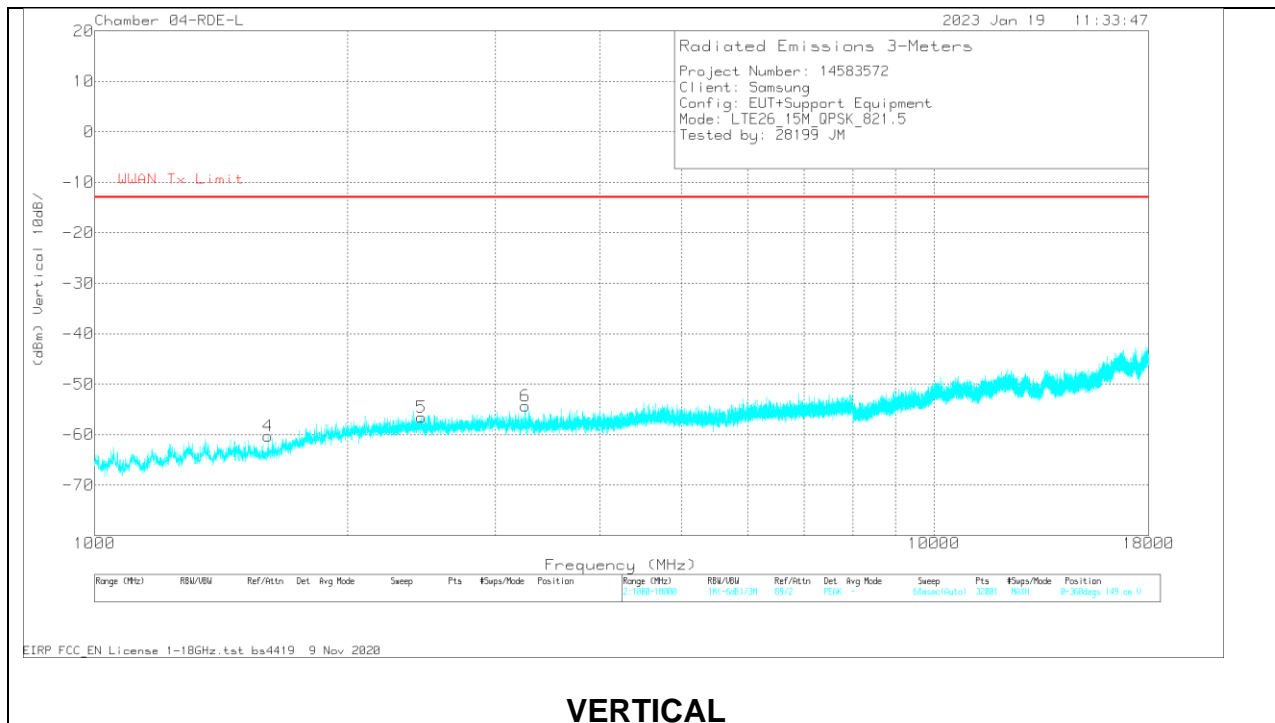
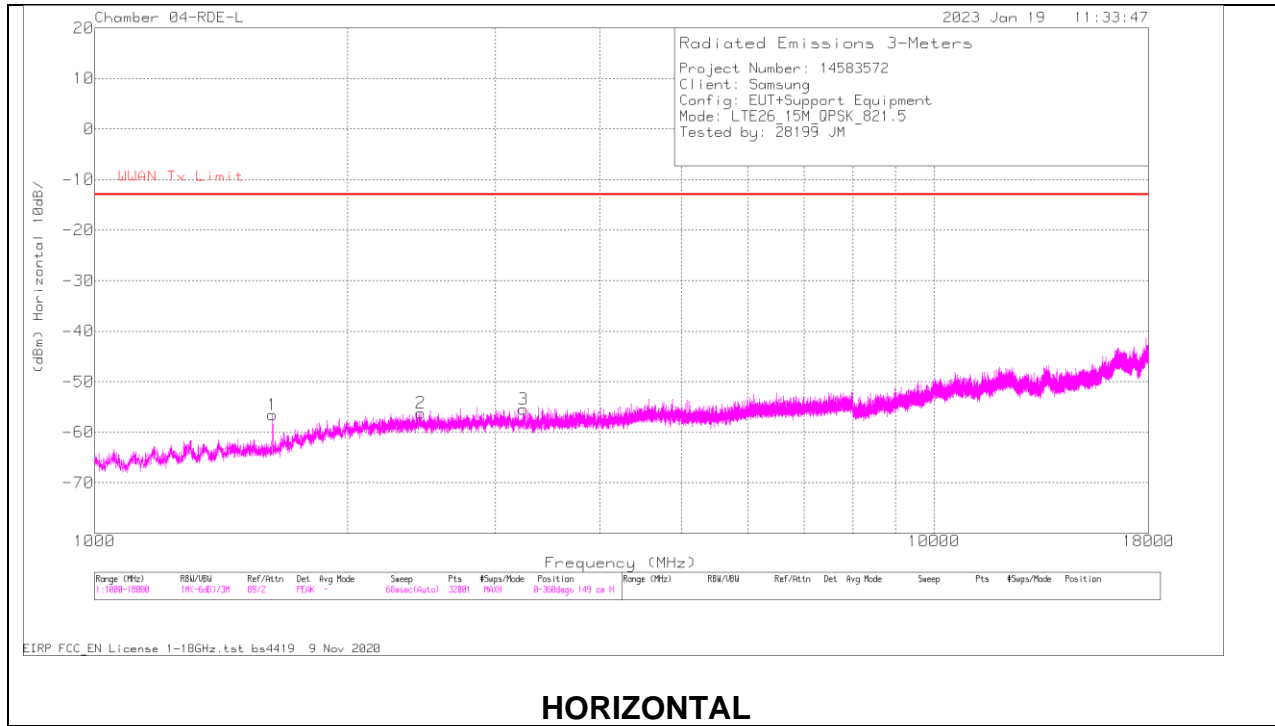
LIMITS

FCC: §22.917(a)

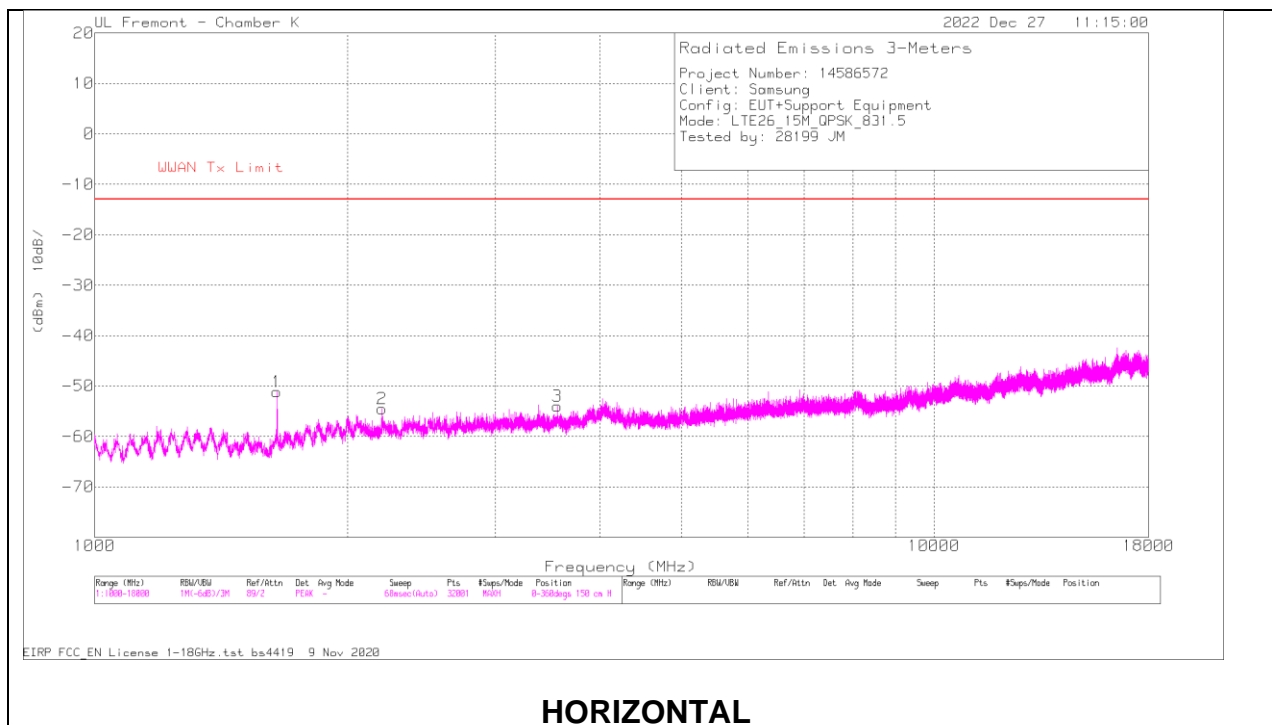
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log (P)$ dB.

QPSK LTE BAND 26 (15.0MHZ BANDWIDTH)

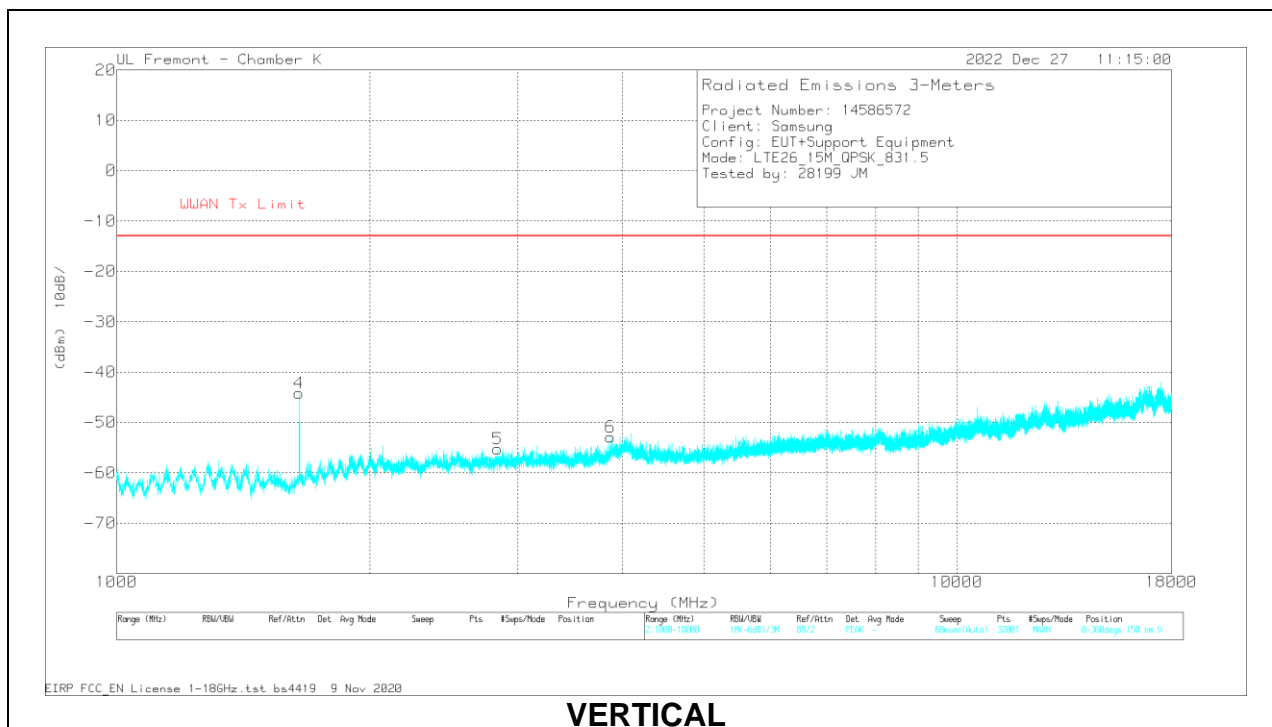
LOW CHANNEL RESULTS



MID CHANNEL RESULTS

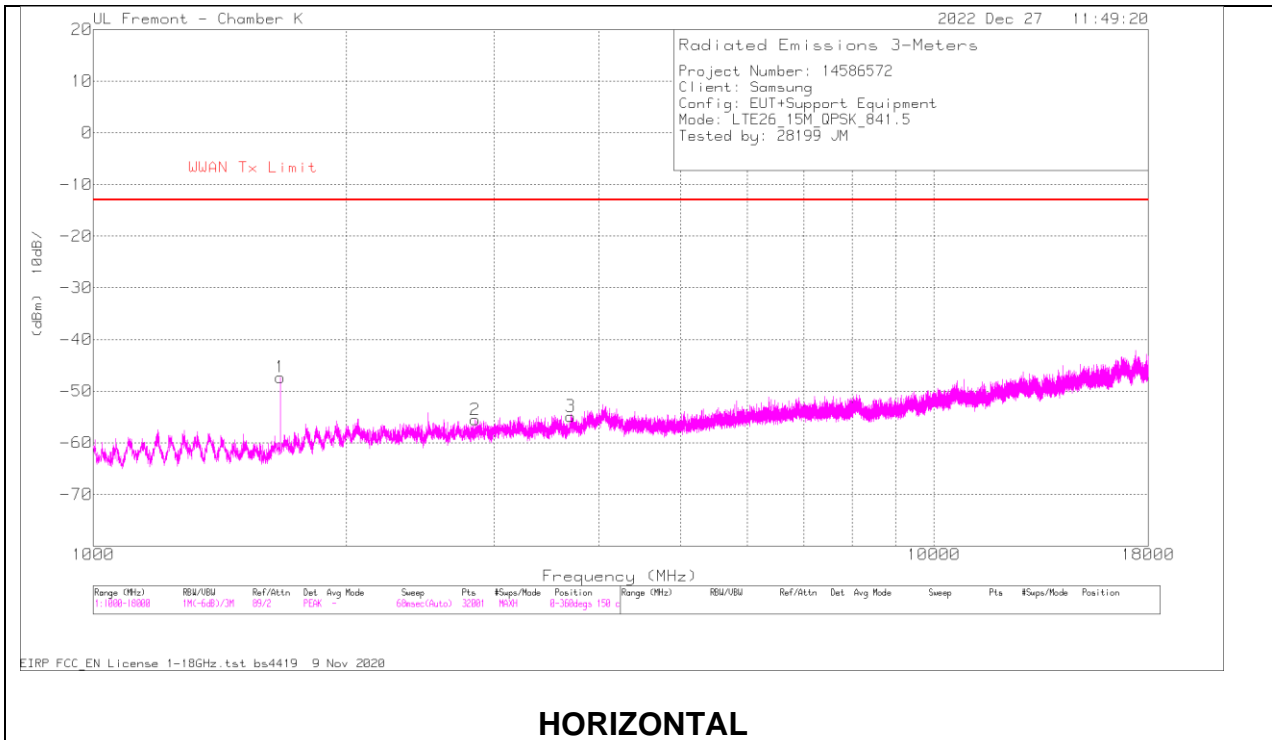


HORIZONTAL

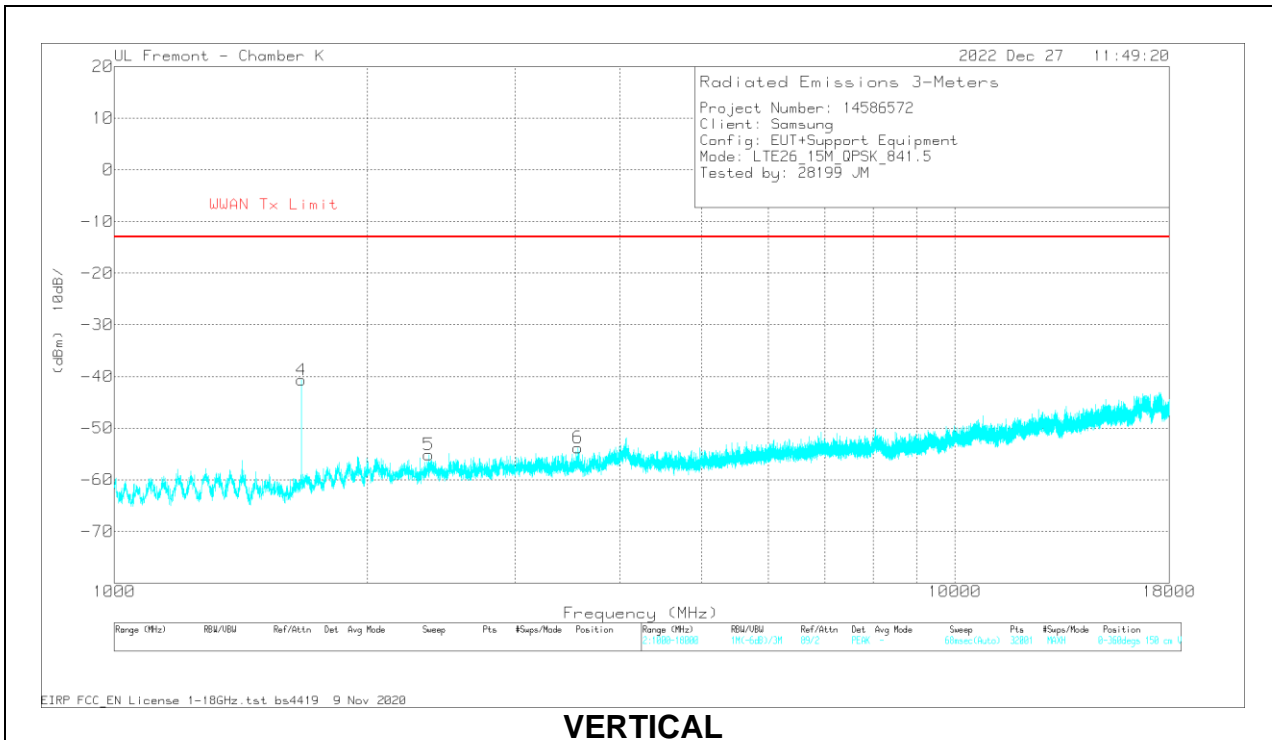


VERTICAL

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB) 3mH	Amp/Cbl (dB)	EIRP CF	Corrected Reading (dBm)	WWAN Harmonics Limit	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
831.5 MHz												
1	1649.719	62.03	Pk	28.5	-46.5	-95.2	-51.17	-13	-38.17	0-360	150	H
2	2201.688	54.92	Pk	31.4	-45.6	-95.2	-54.48	-13	-41.48	0-360	150	H
3	3557.969	50.76	Pk	33	-42.6	-95.2	-54.04	-13	-41.04	0-360	150	H
4	1649.188	69	Pk	28.5	-46.5	-95.2	-44.2	-13	-31.2	0-360	150	V
5	2841.313	51.21	Pk	32.3	-43.6	-95.2	-55.29	-13	-42.29	0-360	150	V
6	3870.344	50.38	Pk	34.1	-42.1	-95.2	-52.82	-13	-39.82	0-360	150	V
836.5 MHz												
1	1659.281	59.06	Pk	28.6	-46.4	-95.2	-53.94	-13	-40.94	0-360	149	H
2	2216.031	54.19	Pk	31.4	-45.6	-95.2	-55.21	-13	-42.21	0-360	149	H
3	3899.031	51.66	Pk	34.3	-42.3	-95.2	-51.54	-13	-38.54	0-360	149	H
4	1659.281	67.48	Pk	28.6	-46.4	-95.2	-45.52	-13	-32.52	0-360	149	V
5	2683	51.62	Pk	32.3	-43.8	-95.2	-55.08	-13	-42.08	0-360	149	V
6	3868.219	50.4	Pk	34.1	-42.3	-95.2	-53	-13	-40	0-360	149	V
841.5 MHz												
1	1669.375	65.78	Pk	28.7	-46.6	-95.2	-47.32	-13	-34.32	0-360	150	H
2	2847.156	51.04	Pk	32.3	-43.7	-95.2	-55.56	-13	-42.56	0-360	150	H
3	3698.219	49.21	Pk	33.3	-42.2	-95.2	-54.89	-13	-41.89	0-360	150	H
4	1669.375	72.4	Pk	28.7	-46.6	-95.2	-40.7	-13	-27.7	0-360	150	V
5	2366.375	53.27	Pk	31.7	-44.9	-95.2	-55.13	-13	-42.13	0-360	150	V
6	3562.219	50.92	Pk	33	-42.5	-95.2	-53.78	-13	-40.78	0-360	150	V

Pk - Peak detector