

10.1.11. LTE BAND 14

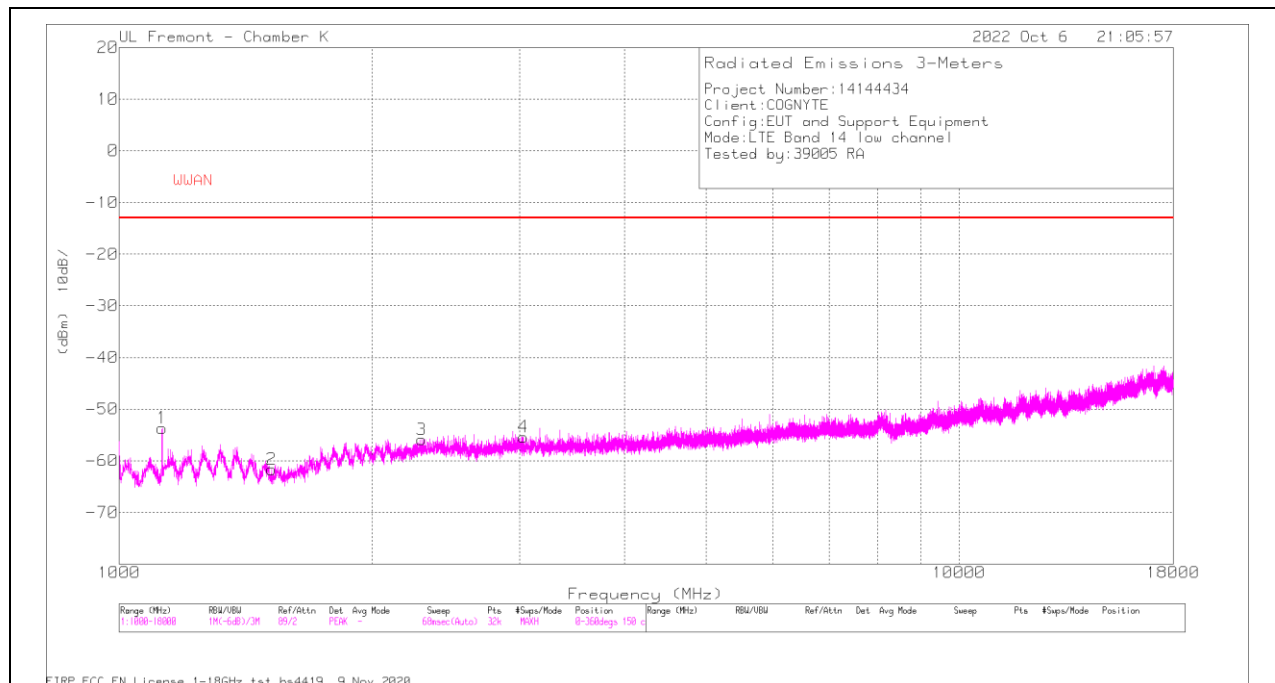
LIMITS

FCC: §90.543 (e)

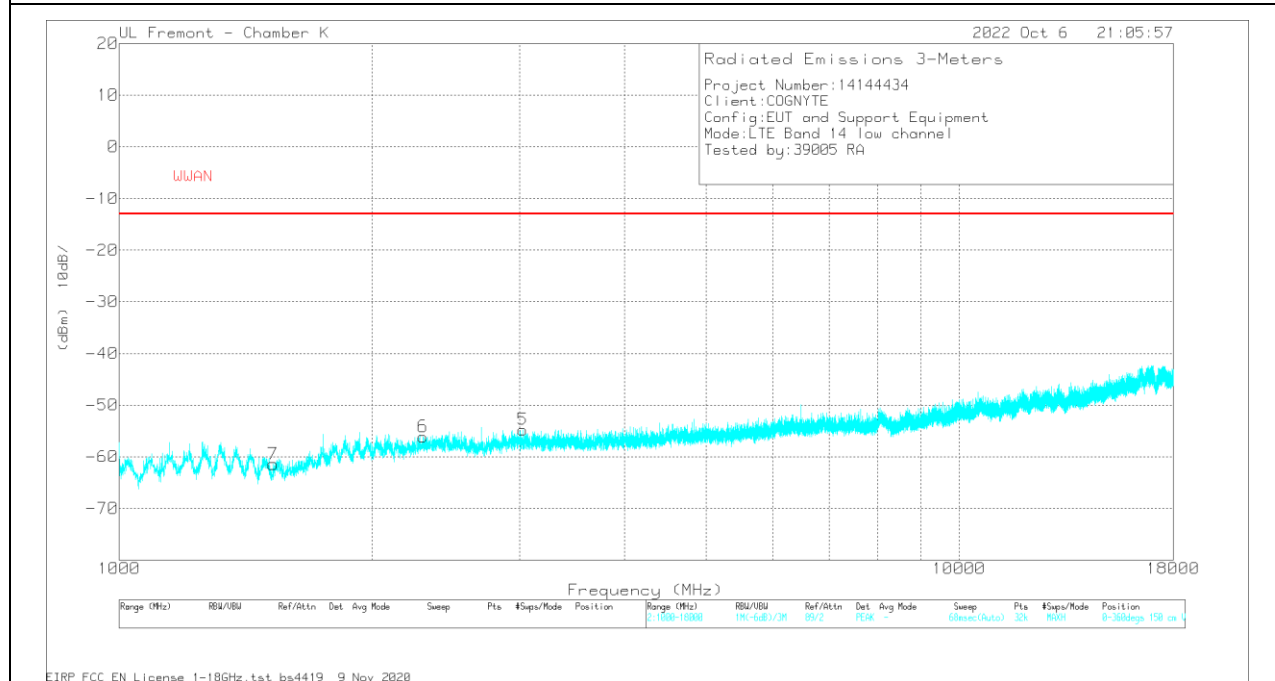
- (1) On all frequencies between 769-775 MHz and 799-805 MHz, by a factor not less than $76 + 10 \log (P)$ dB in a 6.25 kHz band segment, for base and fixed stations.
- (3) On any frequency between 775-788 MHz, above 805 MHz, and below 758 MHz, by at least $43 + 10 \log (P)$ dB.
- (4) Compliance with the provisions of paragraphs (e)(1) and (2) of this section is based on the use of measurement instrumentation such that the reading taken with any resolution bandwidth setting should be adjusted to indicate spectral energy in a 6.25 kHz segment.
- (5) Compliance with the provisions of paragraph (e)(3) of this section is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of 30 kHz may be employed.
- (f) For operations in the 758-775 MHz and 788-805 MHz bands, all emissions including harmonics 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. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.

QPSK LTE BAND 14 (5.0MHZ BANDWIDTH)

LOW CHANNEL RESULTS



HORIZONTAL



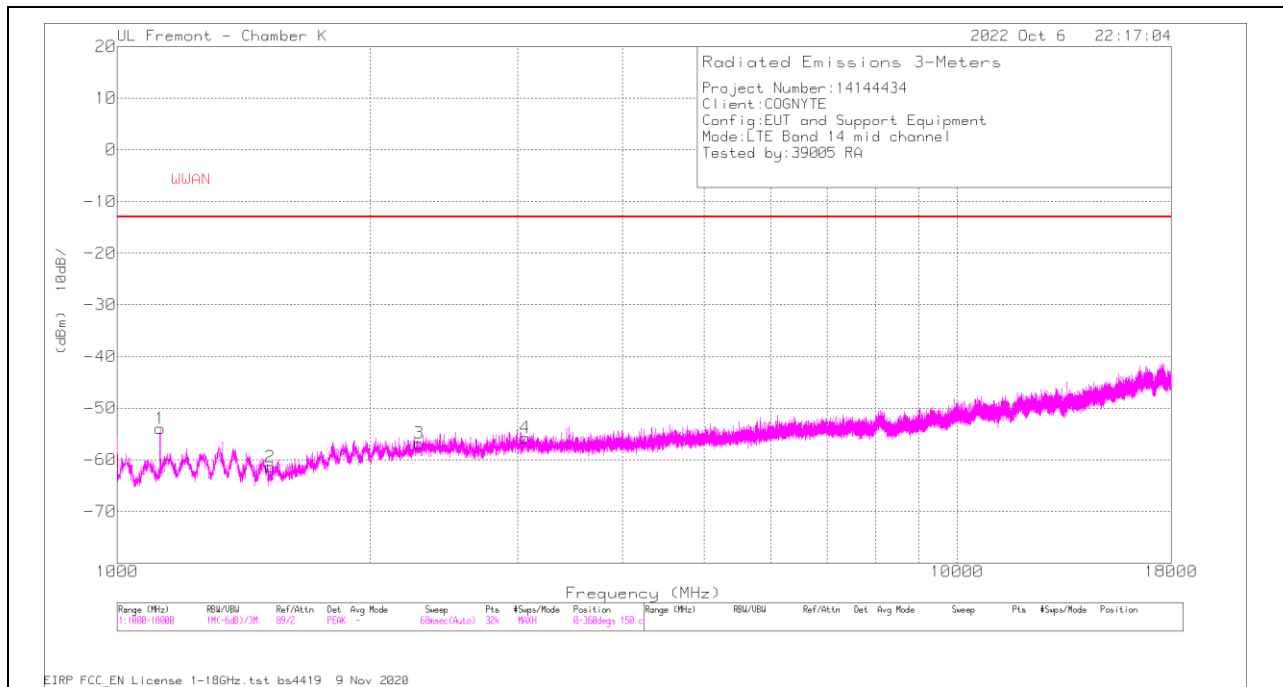
VERTICAL

Trace Markers

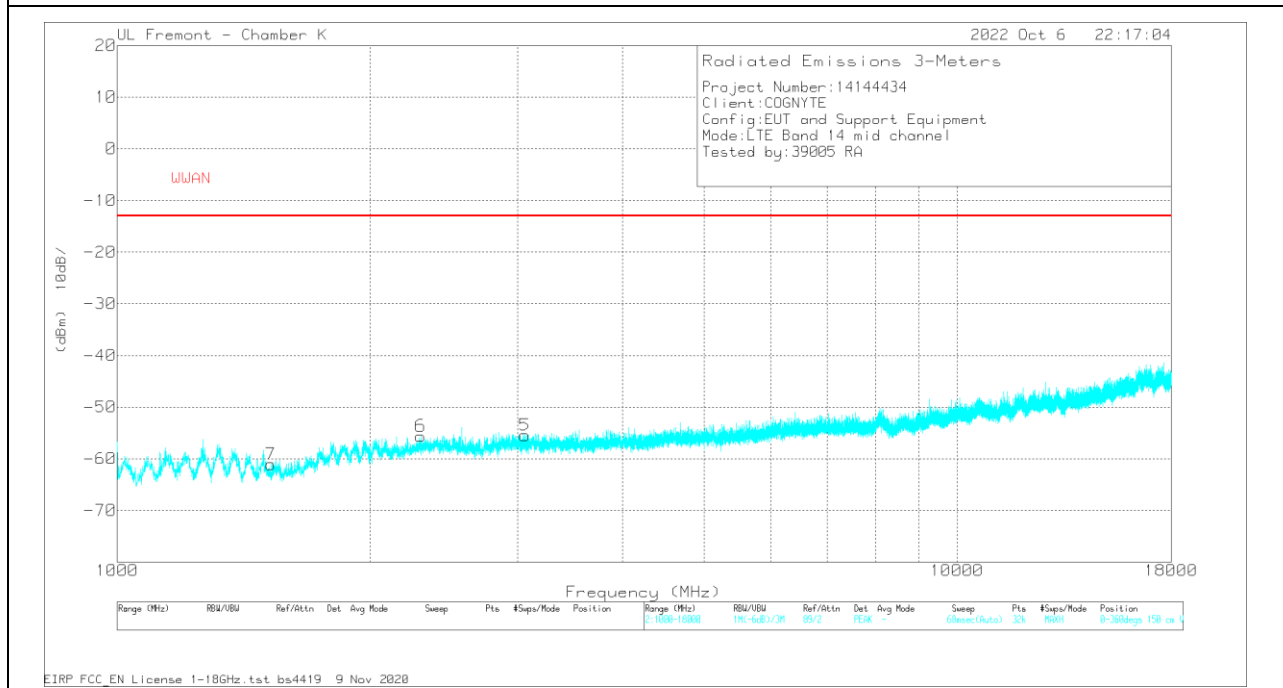
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80402 ACF(dB) - 3mH	Amp/Cbl (dB)	EIRP CF	Corrected Reading (dBm)	WWAN	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1124.844	60.44	Pk	28.1	-47	-95.2	-53.66	-13	-40.66	0-360	150	H
2	1519.031	52.44	Pk	27.5	-46.4	-95.2	-61.66	-13	-48.66	0-360	150	H
3	2293.594	52.58	Pk	32	-45.3	-95.2	-55.92	-13	-42.92	0-360	150	H
4	3029.375	49.91	Pk	32.9	-43	-95.2	-55.39	-13	-42.39	0-360	150	H
5	3023.531	50.35	Pk	33	-42.9	-95.2	-54.75	-13	-41.75	0-360	150	V
6	2301.563	52.2	Pk	32.1	-45.2	-95.2	-56.1	-13	-43.1	0-360	150	V
7	1525.406	52.67	Pk	27.5	-46.4	-95.2	-61.43	-13	-48.43	0-360	150	V

Pk - Peak detector

MID CHANNEL RESULTS



HORIZONTAL



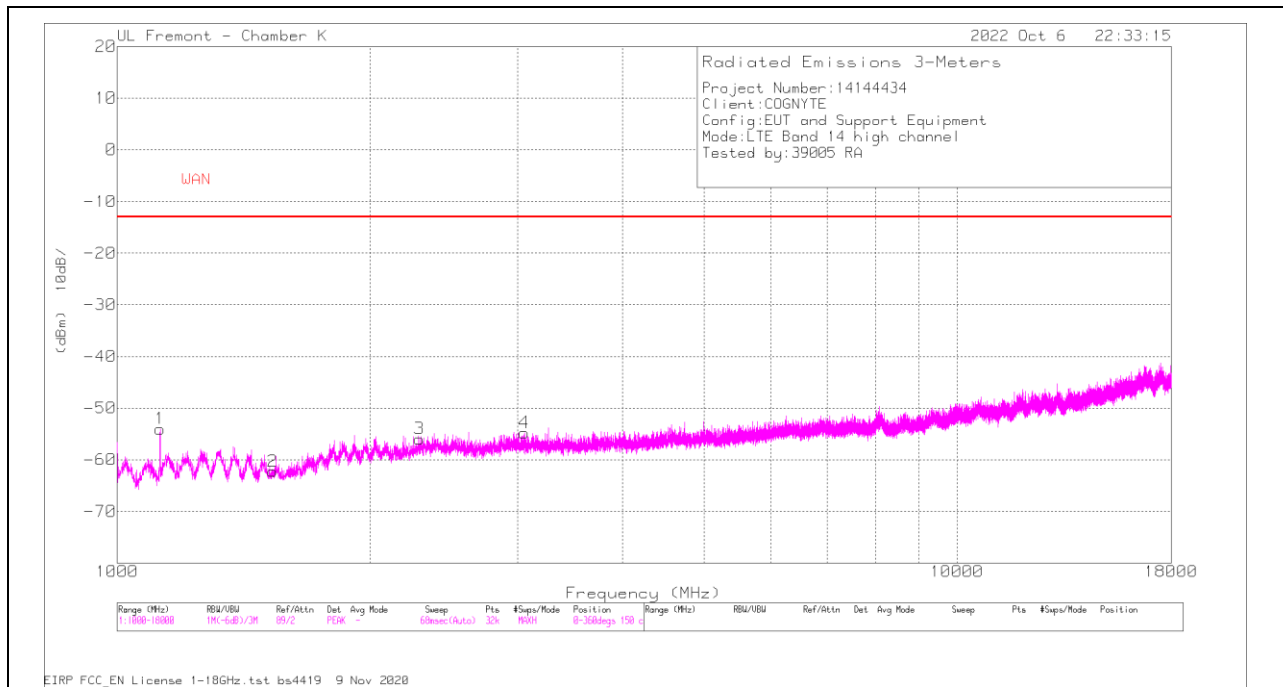
VERTICAL

Trace Markers

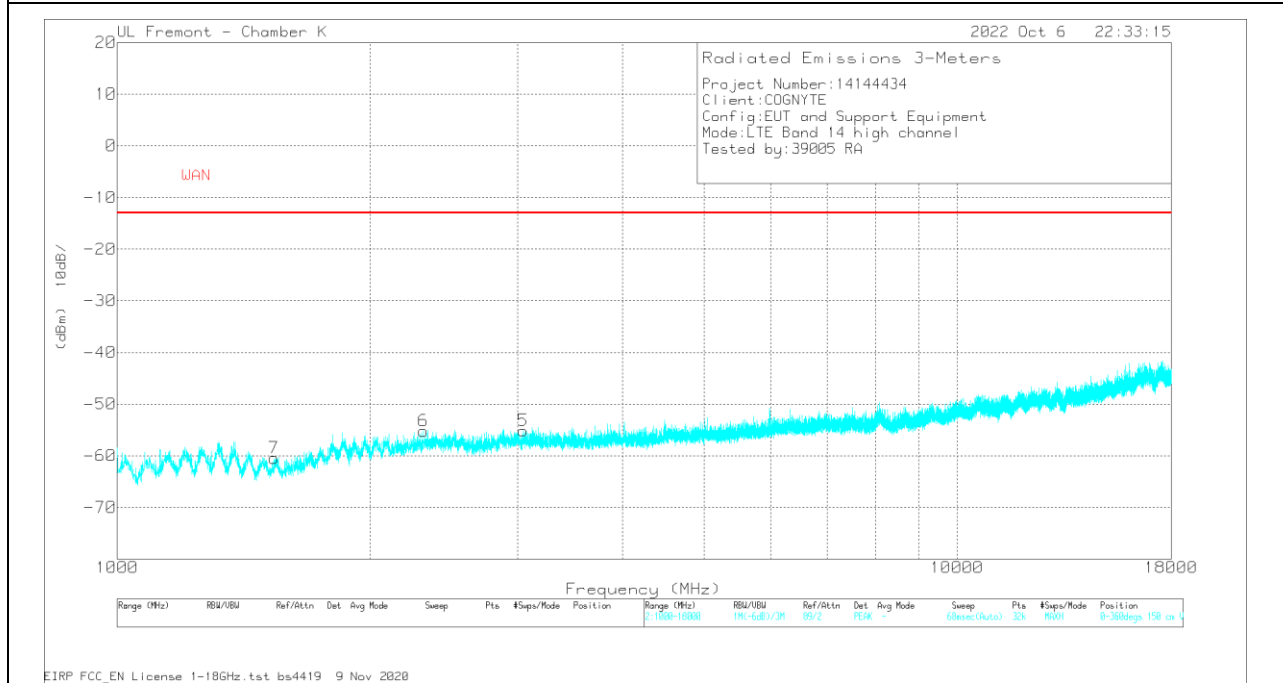
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80402 ACF(dB) - 3mH	Amp/Cbl (dB)	EIRP CF	Corrected Reading (dBm)	WWAN	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1124.844	60.14	Pk	28.1	-47	-95.2	-53.96	-13	-40.96	0-360	150	H
2	1521.688	52.69	Pk	27.5	-46.4	-95.2	-61.41	-13	-48.41	0-360	150	H
3	2287.219	51.69	Pk	32	-45.3	-95.2	-56.81	-13	-43.81	0-360	150	H
4	3059.656	49.44	Pk	32.9	-42.9	-95.2	-55.76	-13	-42.76	0-360	150	H
5	3058.063	49.95	Pk	32.9	-43.1	-95.2	-55.45	-13	-42.45	0-360	150	V
6	2298.375	52.68	Pk	32.1	-45.2	-95.2	-55.62	-13	-42.62	0-360	150	V
7	1523.281	52.93	Pk	27.5	-46.3	-95.2	-61.07	-13	-48.07	0-360	150	V

Pk - Peak detector

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80402 ACF(dB) - 3mH	Amp/Cbl (dB)	EIRP CF	Corrected Reading (dBm)	WAN	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1124.844	60.09	Pk	28.1	-47	-95.2	-54.01	-13	-41.01	0-360	150	H
2	1532.844	51.97	Pk	27.4	-46.4	-95.2	-62.23	-13	-49.23	0-360	150	H
3	2290.406	52.54	Pk	32	-45.3	-95.2	-55.96	-13	-42.96	0-360	150	H
4	3053.281	50.31	Pk	32.9	-42.8	-95.2	-54.79	-13	-41.79	0-360	150	H
5	3045.844	50.04	Pk	32.9	-42.9	-95.2	-55.16	-13	-42.16	0-360	150	V
6	2315.375	52.89	Pk	32.2	-45.1	-95.2	-55.21	-13	-42.21	0-360	150	V
7	1538.156	53.54	Pk	27.4	-46.2	-95.2	-60.46	-13	-47.46	0-360	150	V

Pk - Peak detector

****NOTE for test engineer to check test data: if emissions in 1559-1610 MHz bandwidth is less than 700Hz BW, then the limit is -50dBm/MHz. If more than 700Hz BW, then shall be limited to -40 dBm/MHz.**

*** Emissions in the GPS band were wideband emissions therefore the -40dBm/MHz limit was used.**

10.1.12. LTE BAND 17

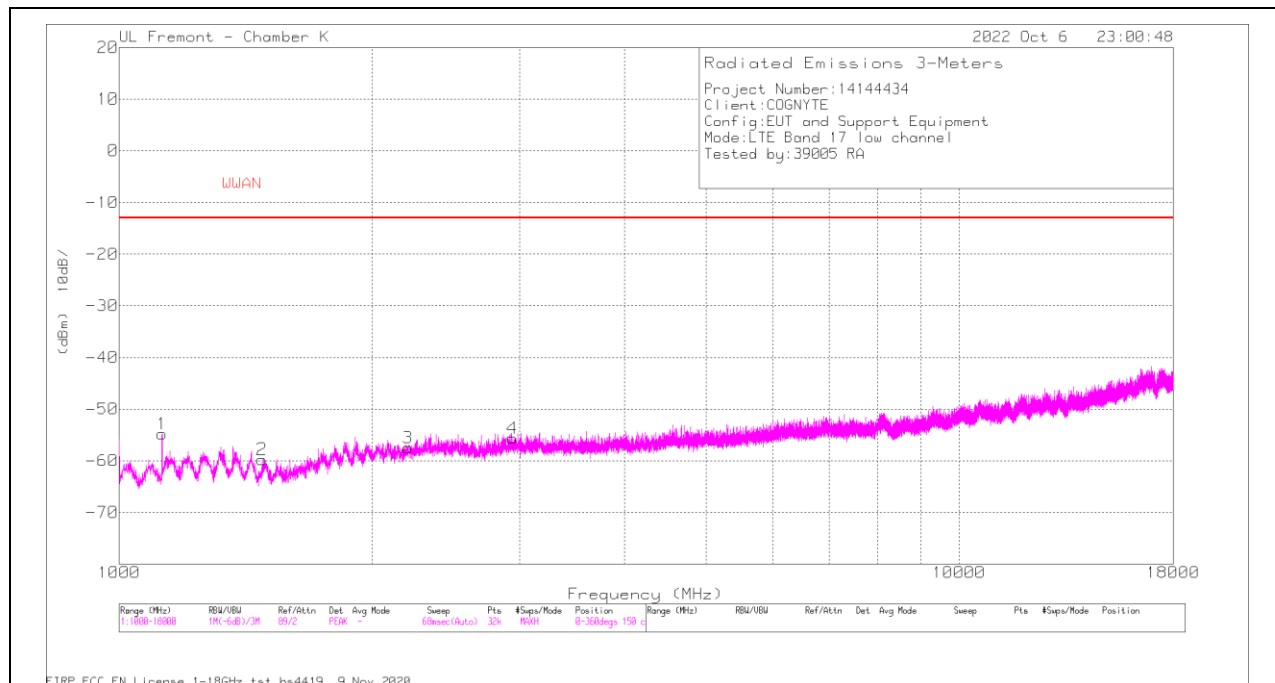
LIMITS

FCC: §27.53 (g)

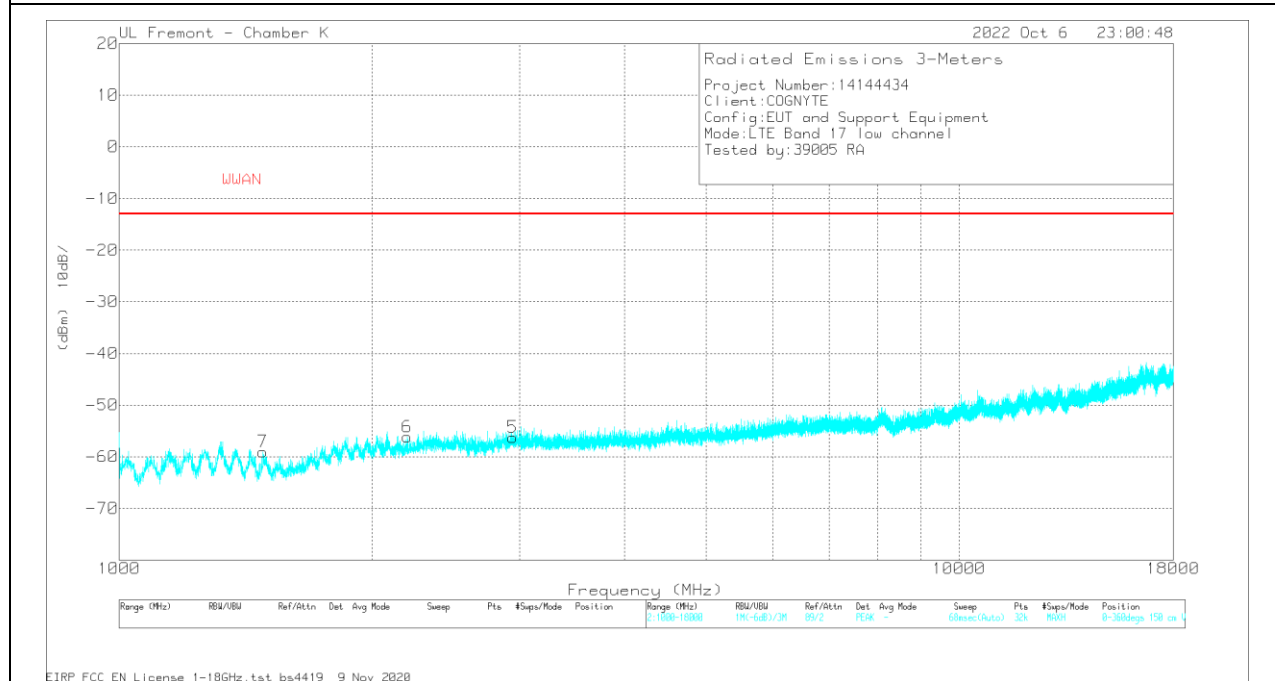
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log (P)$ dB.

QPSK LTE BAND 17 (5.0MHZ BANDWIDTH)

LOW CHANNEL RESULTS



HORIZONTAL



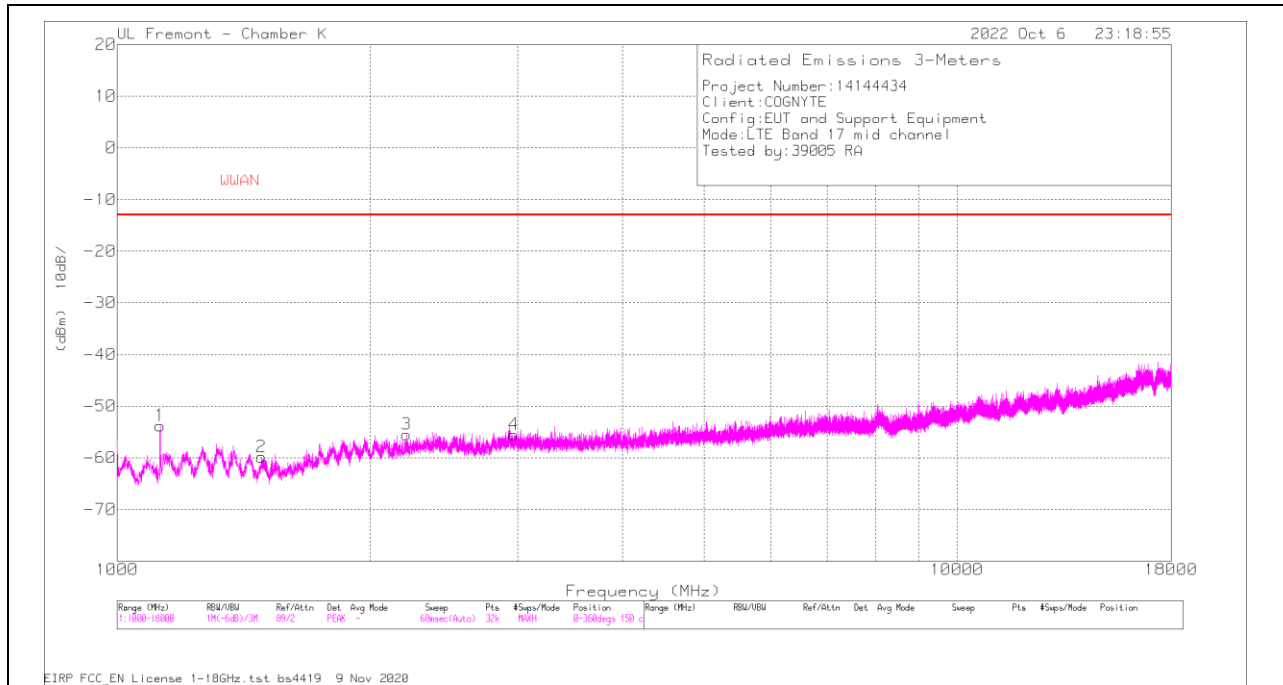
VERTICAL

Trace Markers

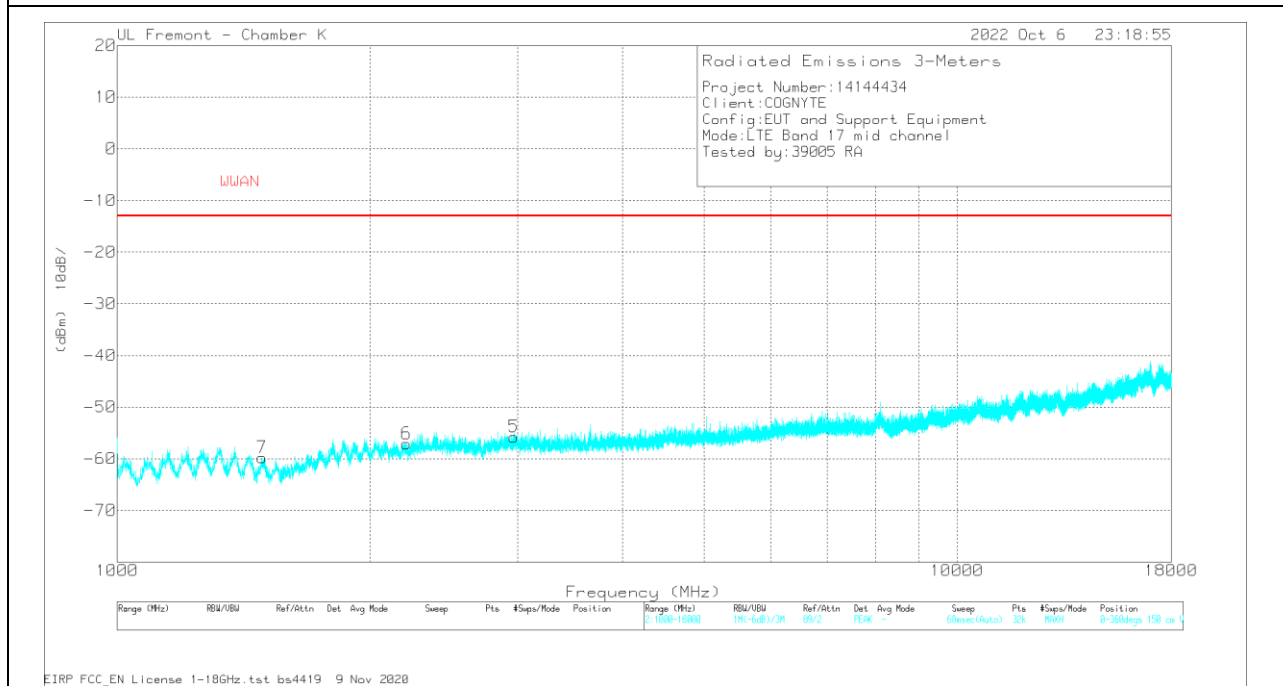
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80402 ACF(dB) - 3mH	Amp/Cbl (dB)	EIRP CF	Corrected Reading (dBm)	WWAN	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1124.844	59.28	Pk	28.1	-47	-95.2	-54.82	-13	-41.82	0-360	150	H
2	1479.188	54.02	Pk	27.8	-46.4	-95.2	-59.78	-13	-46.78	0-360	150	H
3	2206.469	51.7	Pk	31.6	-45.6	-95.2	-57.5	-13	-44.5	0-360	150	H
4	2939.594	49.72	Pk	32.9	-43.1	-95.2	-55.68	-13	-42.68	0-360	150	H
5	2942.25	49.35	Pk	32.9	-43.3	-95.2	-56.25	-13	-43.25	0-360	150	V
6	2203.281	52.94	Pk	31.6	-45.5	-95.2	-56.16	-13	-43.16	0-360	150	V
7	1483.438	54.76	Pk	27.8	-46.4	-95.2	-59.04	-13	-46.04	0-360	150	V

Pk - Peak detector

MID CHANNEL RESULTS



HORIZONTAL



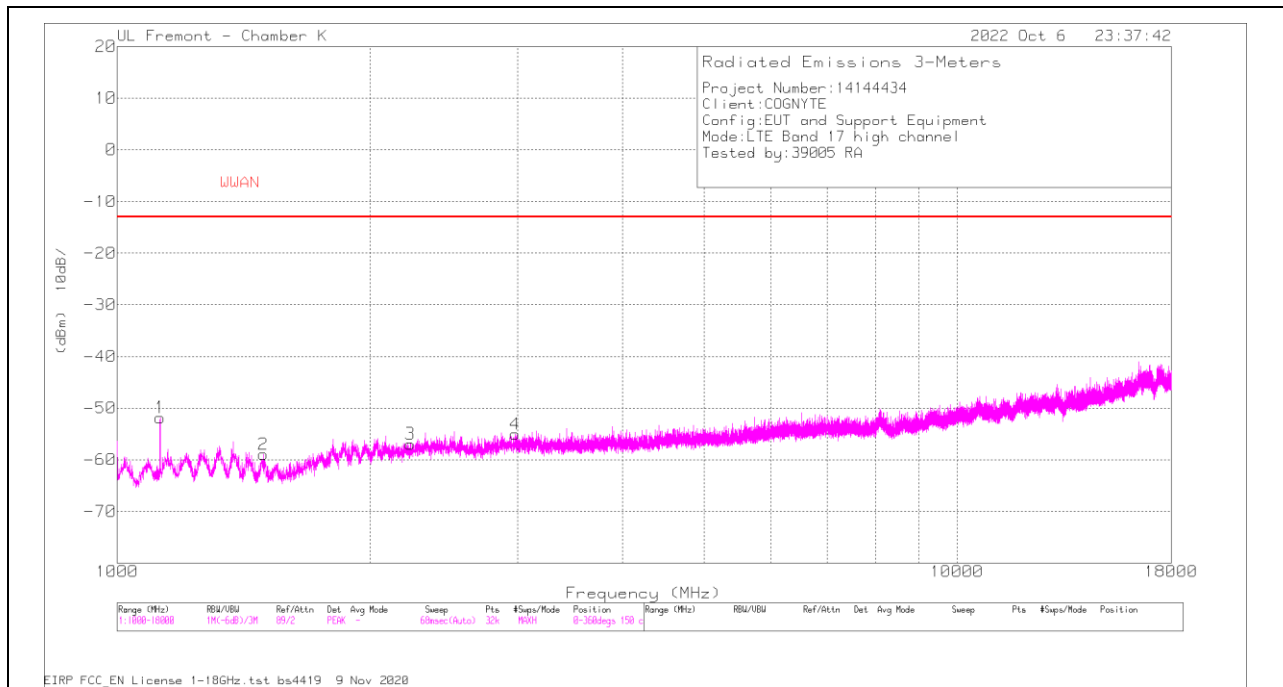
VERTICAL

Trace Markers

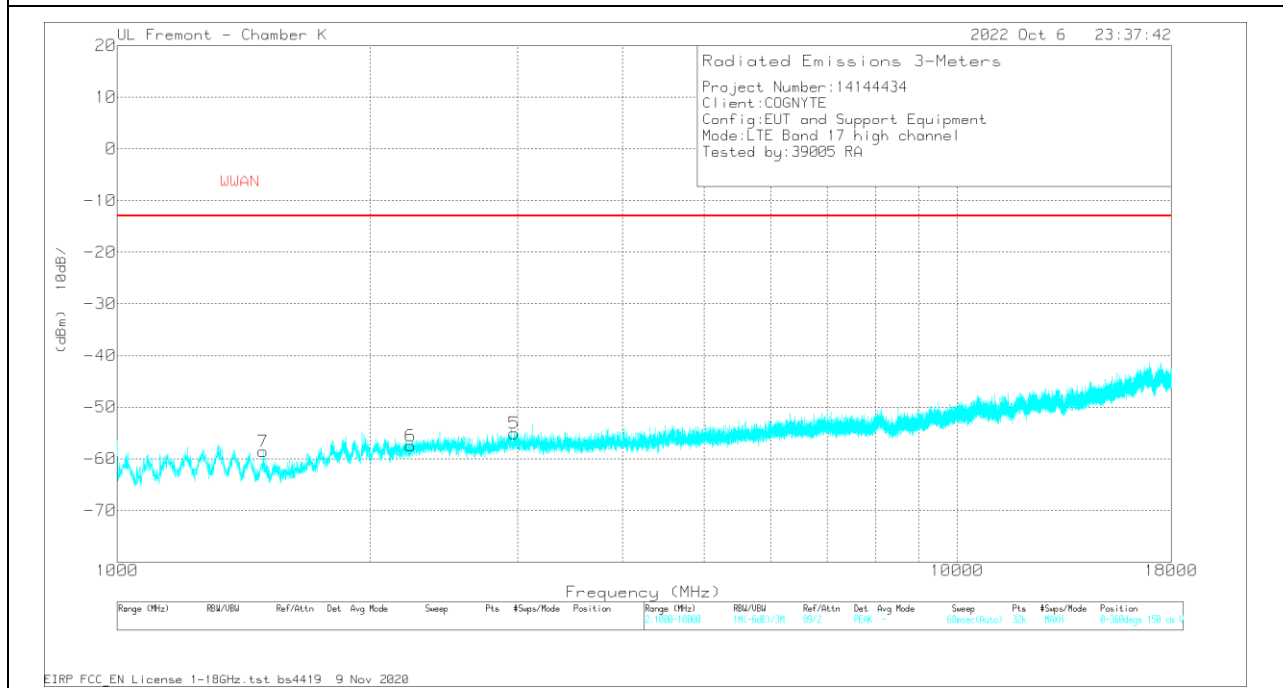
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80402 ACF(dB) - 3mH	Amp/Cbl (dB)	EIRP CF	Corrected Reading (dBm)	WWAN	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1124.844	60.3	Pk	28.1	-47	-95.2	-53.8	-13	-40.8	0-360	150	H
2	1485.031	53.85	Pk	27.8	-46.3	-95.2	-59.85	-13	-46.85	0-360	150	H
3	2210.188	53.73	Pk	31.6	-45.6	-95.2	-55.47	-13	-42.47	0-360	150	H
4	2968.813	49.69	Pk	33	-43	-95.2	-55.51	-13	-42.51	0-360	150	H
5	2966.156	49.77	Pk	33	-43.3	-95.2	-55.73	-13	-42.73	0-360	150	V
6	2210.719	52.02	Pk	31.6	-45.5	-95.2	-57.08	-13	-44.08	0-360	150	V
7	1487.156	53.94	Pk	27.8	-46.3	-95.2	-59.76	-13	-46.76	0-360	150	V

Pk - Peak detector

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80402 ACF(dB) - 3mH	Amp/Cbl (dB)	EIRP CF	Corrected Reading (dBm)	WWAN	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1124.844	62.23	Pk	28.1	-47	-95.2	-51.87	-13	-38.87	0-360	150	H
2	1493.531	54.75	Pk	27.7	-46.2	-95.2	-58.95	-13	-45.95	0-360	150	H
3	2235.156	52.13	Pk	31.6	-45.5	-95.2	-56.97	-13	-43.97	0-360	150	H
4	2978.906	50.03	Pk	33.1	-43	-95.2	-55.07	-13	-42.07	0-360	150	H
5	2970.406	50.12	Pk	33	-43	-95.2	-55.08	-13	-42.08	0-360	150	V
6	2235.688	51.6	Pk	31.6	-45.5	-95.2	-57.5	-13	-44.5	0-360	150	V
7	1491.938	55.1	Pk	27.7	-46.2	-95.2	-58.6	-13	-45.6	0-360	150	V

Pk - Peak detector

10.1.13. LTE BAND 25

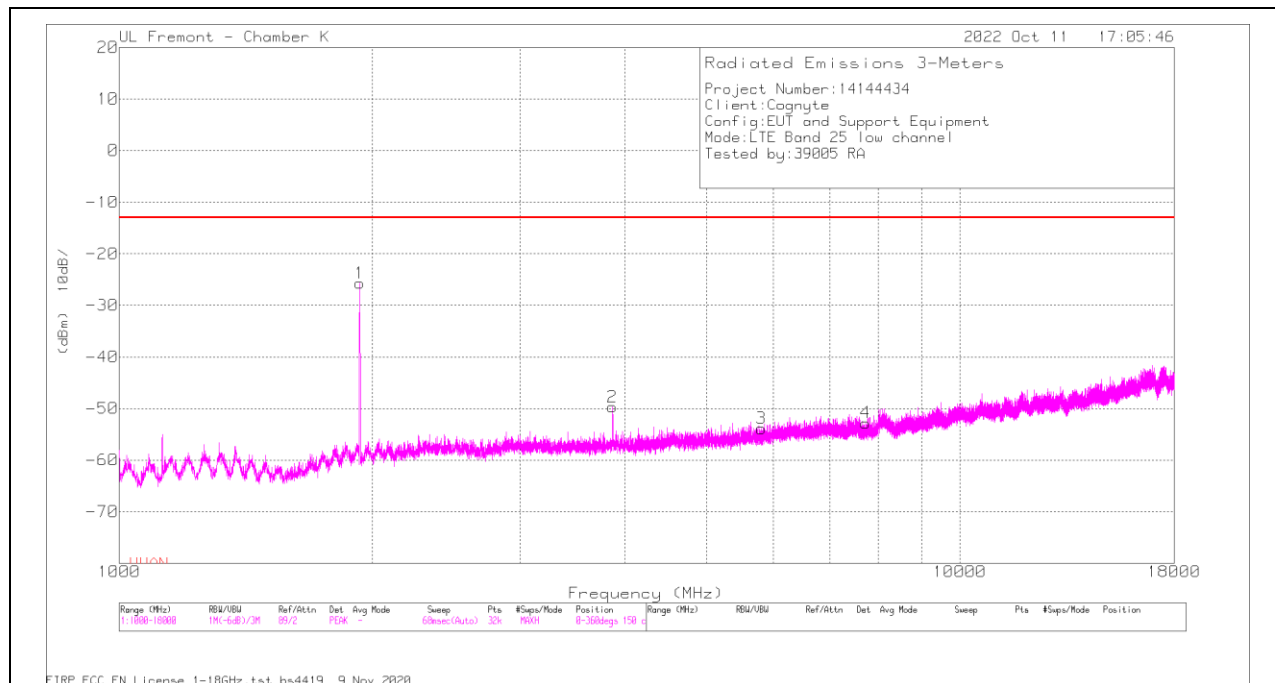
LIMITS

FCC: §24.238(a)

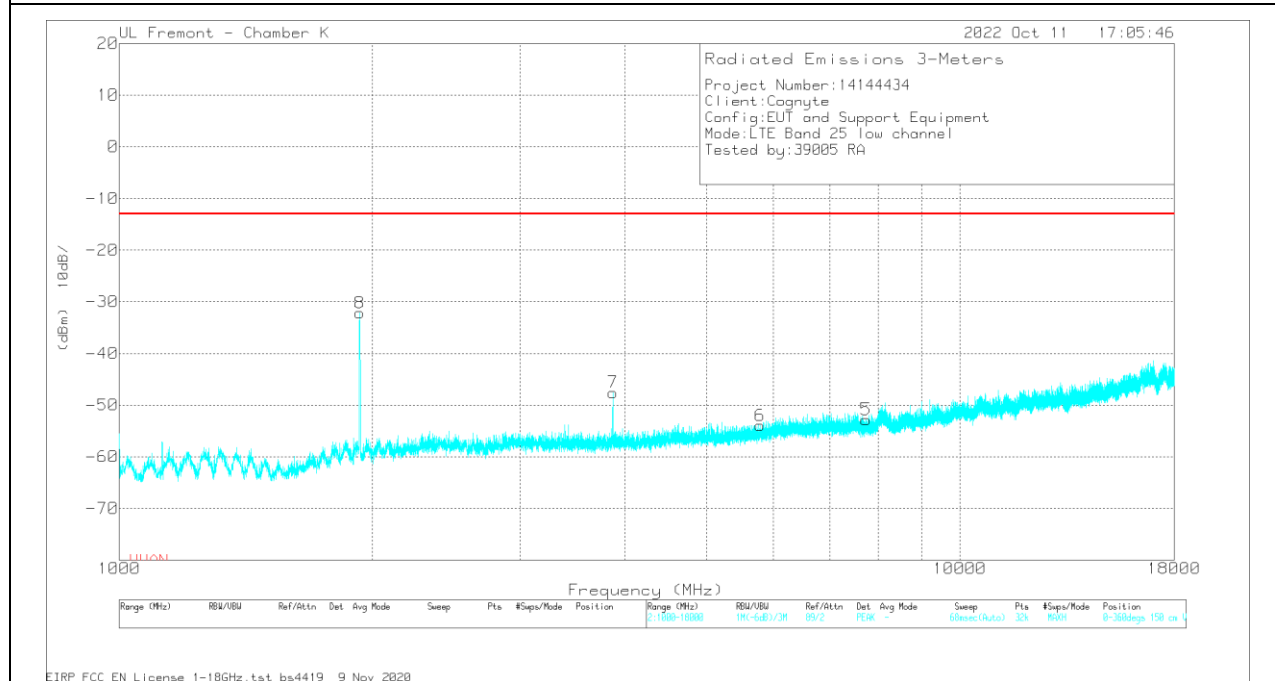
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log (P)$ dB.

QPSK LTE BAND 25 (5.0MHZ BANDWIDTH)

LOW CHANNEL RESULTS



HORIZONTAL



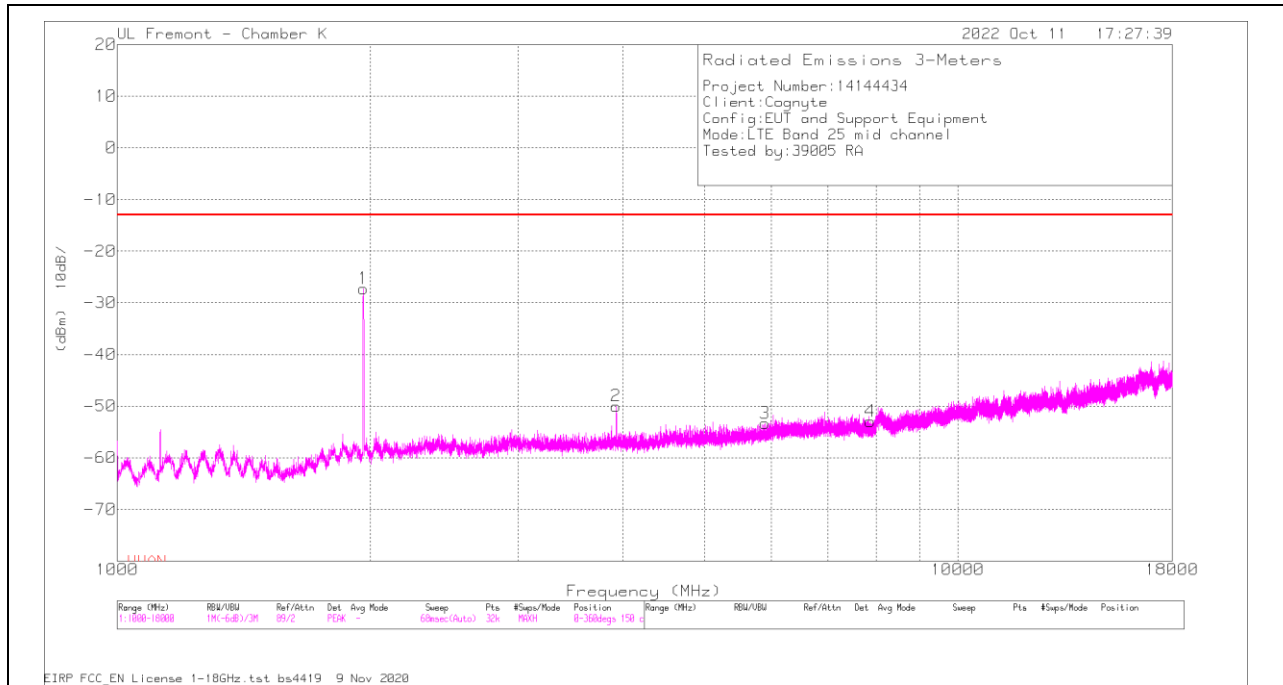
VERTICAL

Trace Markers

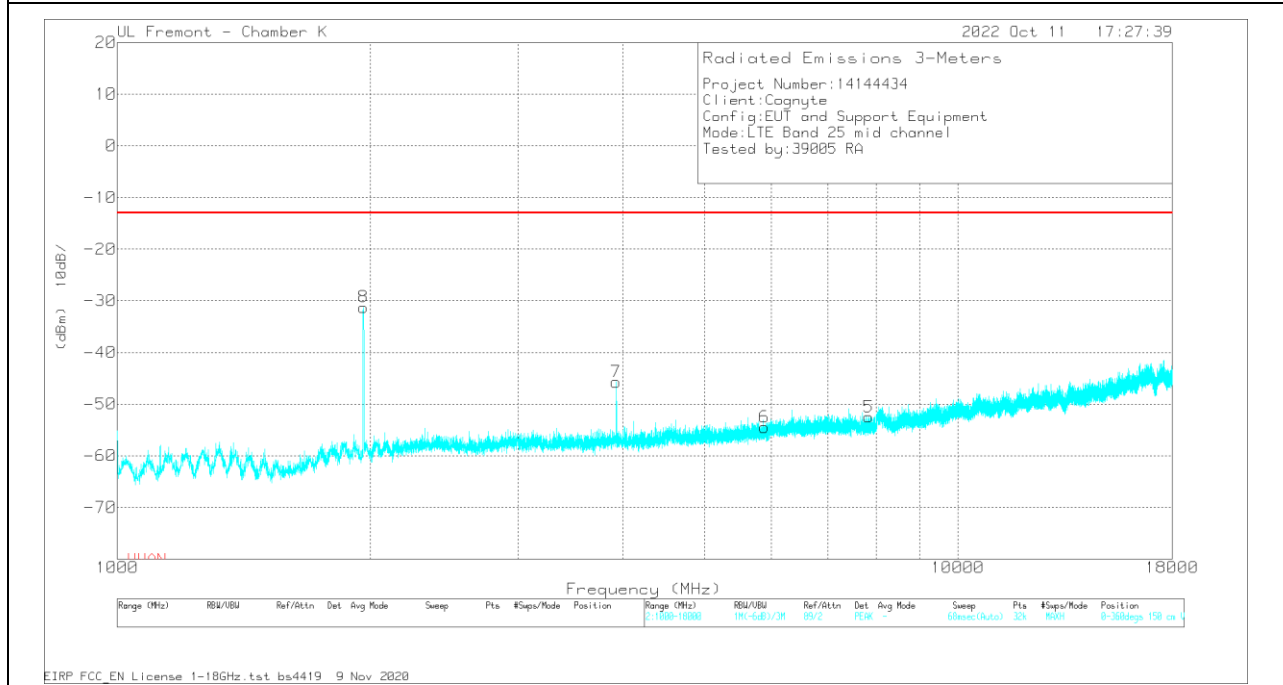
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80402 ACF(dB) - 3mH	Amp/Cbl (dB)	EIRP CF	Corrected Reading (dBm)	WWAN	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*1933.406	84.21	Pk	31.2	-45.9	-95.2	-25.69	-13	-12.69	0-360	150	H
2	3862.906	54.11	Pk	33.5	-42.1	-95.2	-49.69	-13	-36.69	0-360	150	H
3	5806.219	46.62	Pk	34.8	-40.1	-95.2	-53.88	-13	-40.88	0-360	150	H
4	7727.219	44.8	Pk	35.8	-38.2	-95.2	-52.8	-13	-39.8	0-360	150	H
5	7736.781	44.68	Pk	35.8	-38.1	-95.2	-52.82	-13	-39.82	0-360	150	V
6	5784.969	46.45	Pk	34.8	-40	-95.2	-53.95	-13	-40.95	0-360	150	V
7	3866.094	56.34	Pk	33.5	-42.2	-95.2	-47.56	-13	-34.56	0-360	150	V
8	*1931.813	77.65	Pk	31.2	-45.8	-95.2	-32.15	-13	-19.15	0-360	150	V

* - indicates fundamental frequencies
 Pk - Peak detector

MID CHANNEL RESULTS



HORIZONTAL



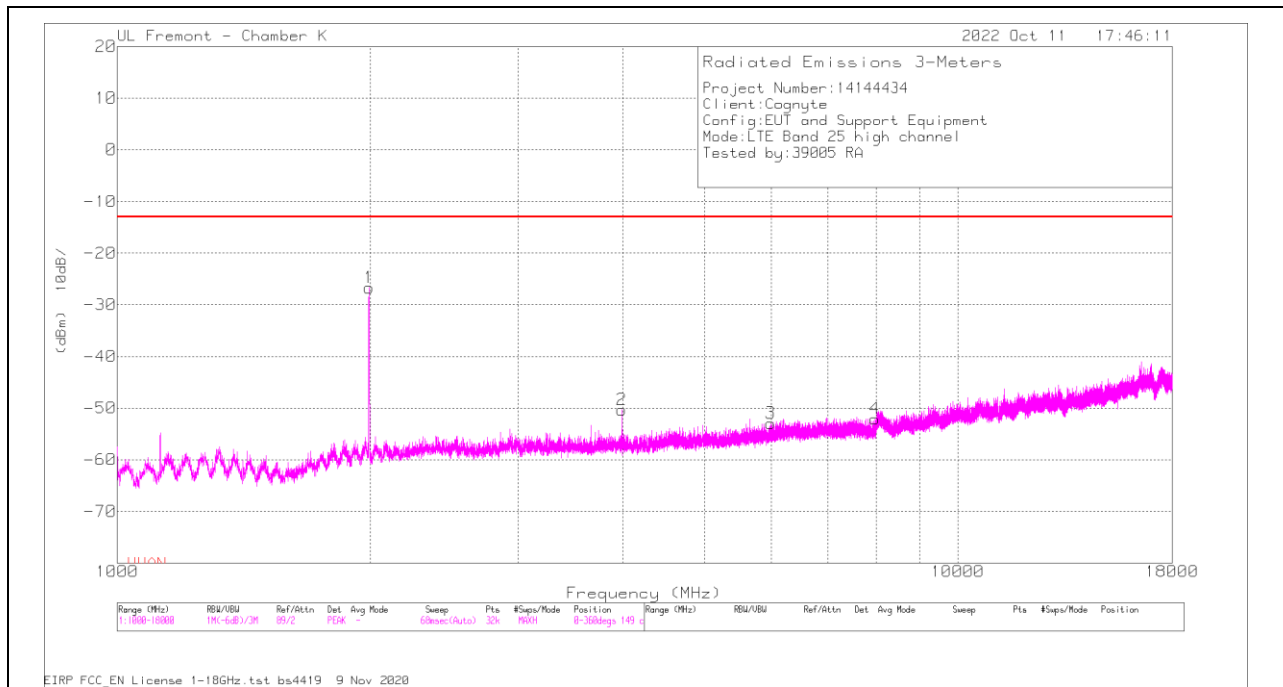
VERTICAL

Trace Markers

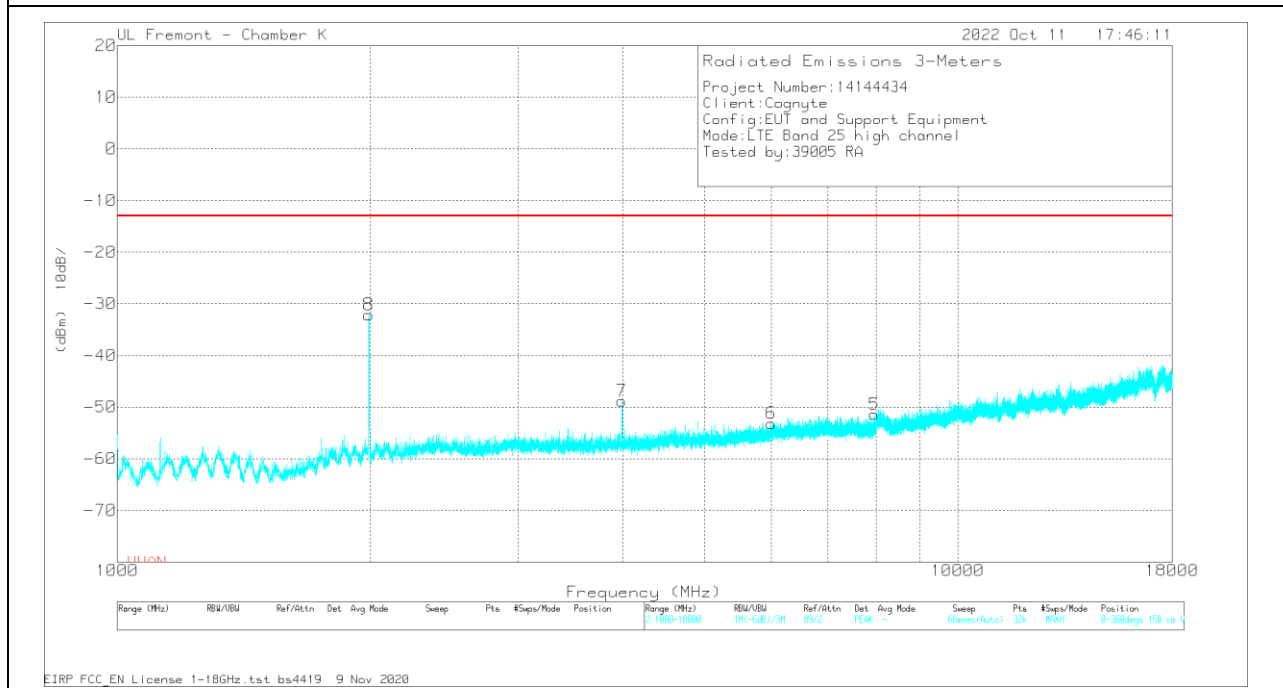
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80402 ACF(dB) - 3mH	Amp/Cbl (dB)	EIRP CF	Corrected Reading (dBm)	WWAN	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*1962.094	82.36	Pk	31.3	-45.7	-95.2	-27.24	-13	-14.24	0-360	150	H
2	3922.406	54.1	Pk	33.4	-42.3	-95.2	-50	-13	-37	0-360	150	H
3	5898.656	46.77	Pk	35.1	-40	-95.2	-53.33	-13	-40.33	0-360	150	H
4	7869.594	44.74	Pk	35.7	-38.2	-95.2	-52.96	-13	-39.96	0-360	150	H
5	7840.375	45.21	Pk	35.7	-38.2	-95.2	-52.49	-13	-39.49	0-360	150	V
6	5886.438	45.53	Pk	35.1	-39.9	-95.2	-54.47	-13	-41.47	0-360	150	V
7	3921.344	58.39	Pk	33.4	-42.3	-95.2	-45.71	-13	-32.71	0-360	150	V
8	*1963.688	78.57	Pk	31.3	-45.9	-95.2	-31.23	-13	-18.23	0-360	150	V

* - indicates fundamental frequencies
 Pk - Peak detector

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80402 ACF(dB) - 3mH	Amp/Cbl (dB)	EIRP CF	Corrected Reading (dBm)	WWAN	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*1992.906	82.9	Pk	31.4	-45.8	-95.2	-26.7	-13	-13.7	0-360	149	H
2	3984.563	53.57	Pk	33.4	-42.1	-95.2	-50.33	-13	-37.33	0-360	149	H
3	5988.438	46.77	Pk	35.3	-39.8	-95.2	-52.93	-13	-39.93	0-360	149	H
4	7975.844	44.93	Pk	35.8	-37.6	-95.2	-52.07	-13	-39.07	0-360	149	H
5	7959.375	45.68	Pk	35.8	-37.7	-95.2	-51.42	-13	-38.42	0-360	150	V
6	5998.531	46.54	Pk	35.3	-39.8	-95.2	-53.16	-13	-40.16	0-360	150	V
7	3985.094	55.11	Pk	33.4	-42.1	-95.2	-48.79	-13	-35.79	0-360	150	V
8	*1991.844	77.48	Pk	31.4	-45.8	-95.2	-32.12	-13	-19.12	0-360	150	V

* - indicates fundamental frequencies
 Pk - Peak detector

10.1.14. LTE BAND 26 (FCC PART 90S)

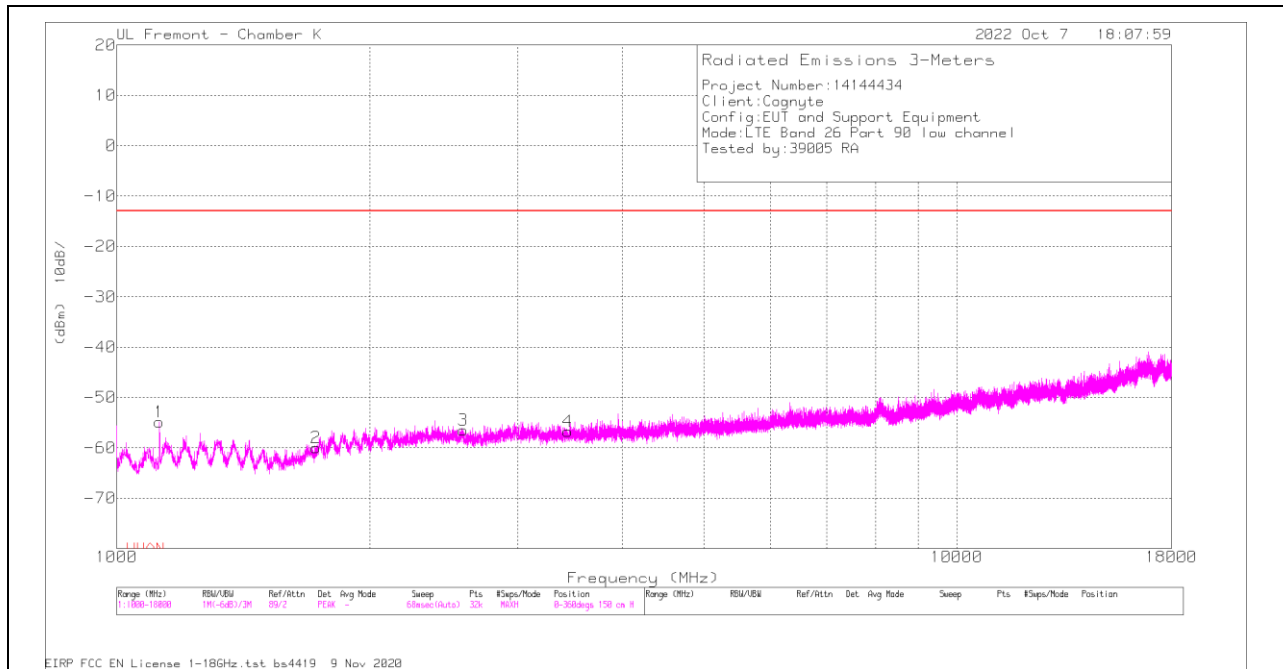
LIMITS

FCC: §90.691(a)

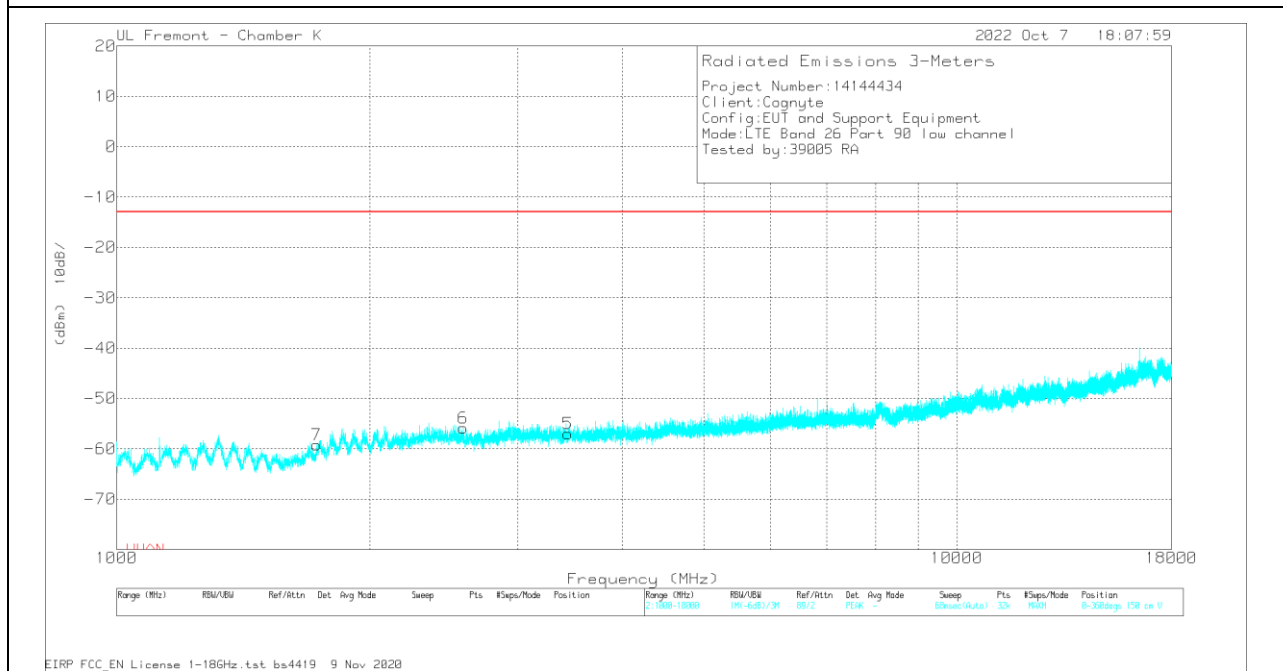
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log (P)$ dB.

QPSK LTE BAND 26 (5.0MHZ BANDWIDTH)

LOW CHANNEL RESULTS



HORIZONTAL



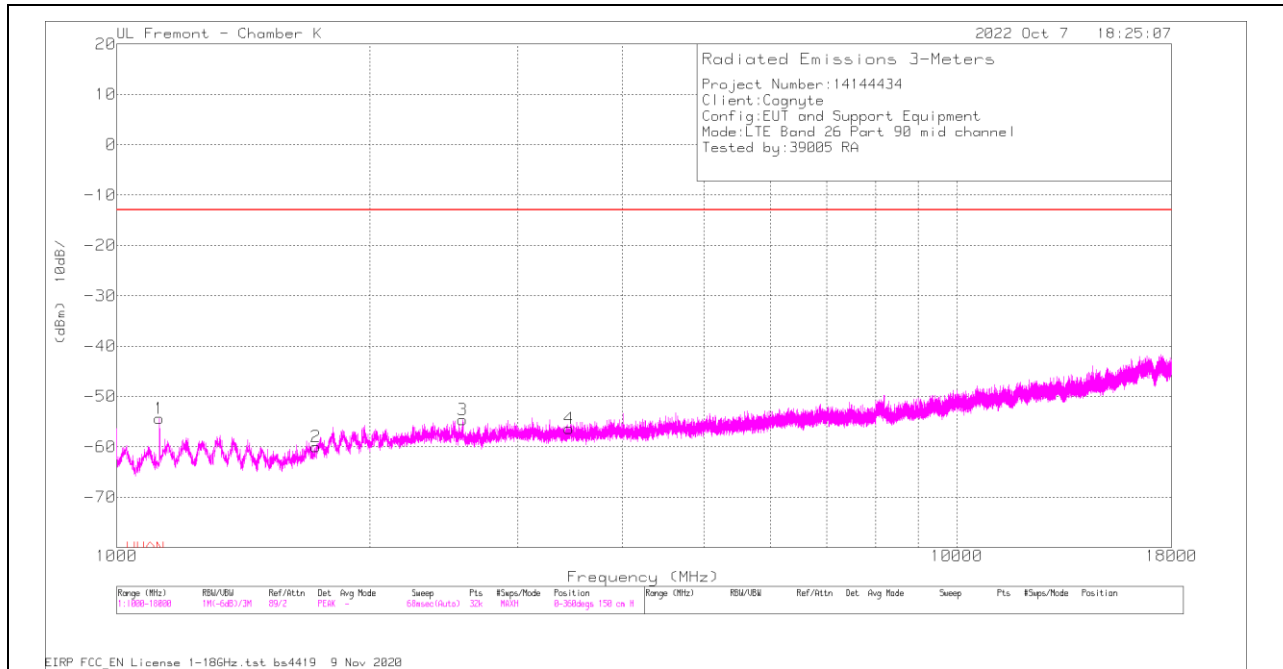
VERTICAL

Trace Markers

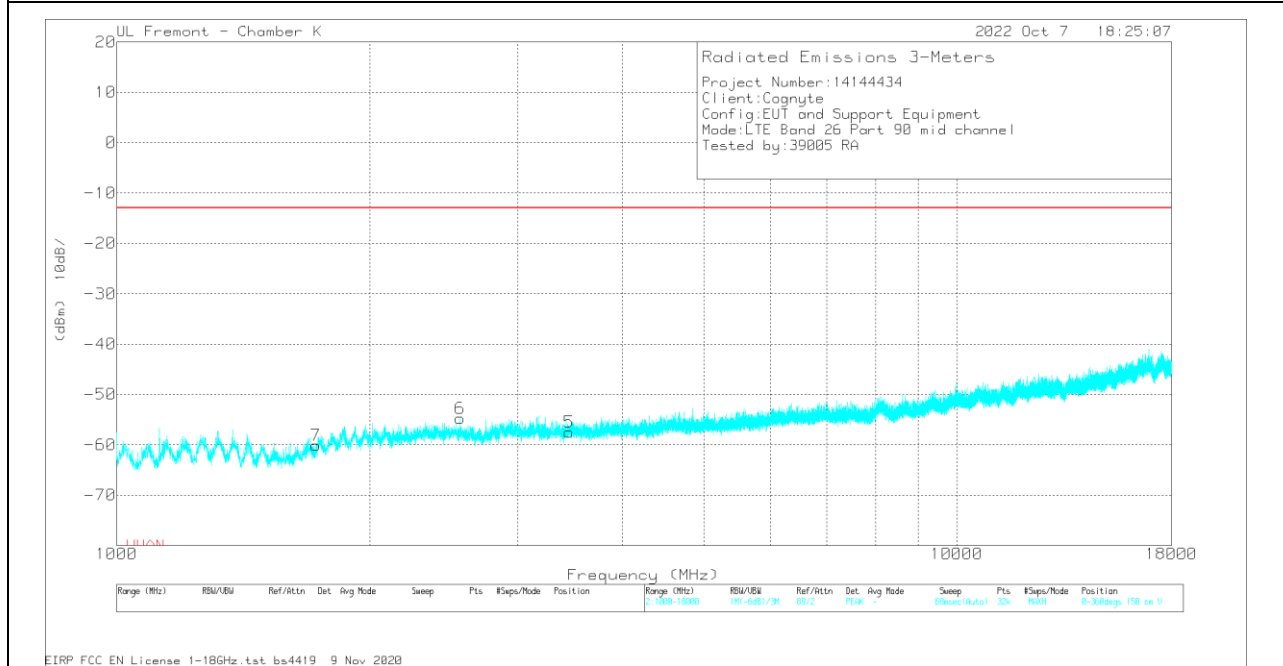
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80402 ACF(dB) - 3mH	Amp/Cbl (dB)	EIRP CF	Corrected Reading (dBm)	WWAN	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1124.844	59.26	Pk	28.1	-47	-95.2	-54.84	-13	-41.84	0-360	150	H
2	1727.813	52.37	Pk	29.2	-46.3	-95.2	-59.93	-13	-46.93	0-360	150	H
3	2587.375	50.87	Pk	32.1	-44.2	-95.2	-56.43	-13	-43.43	0-360	150	H
4	3446.406	48.1	Pk	32.9	-42.5	-95.2	-56.7	-13	-43.7	0-360	150	H
5	3445.875	47.77	Pk	32.9	-42.5	-95.2	-57.03	-13	-44.03	0-360	150	V
6	2587.375	51.38	Pk	32.1	-44.2	-95.2	-55.92	-13	-42.92	0-360	150	V
7	1730.469	53.17	Pk	29.3	-46.5	-95.2	-59.23	-13	-46.23	0-360	150	V

Pk - Peak detector

MID CHANNEL RESULTS



HORIZONTAL



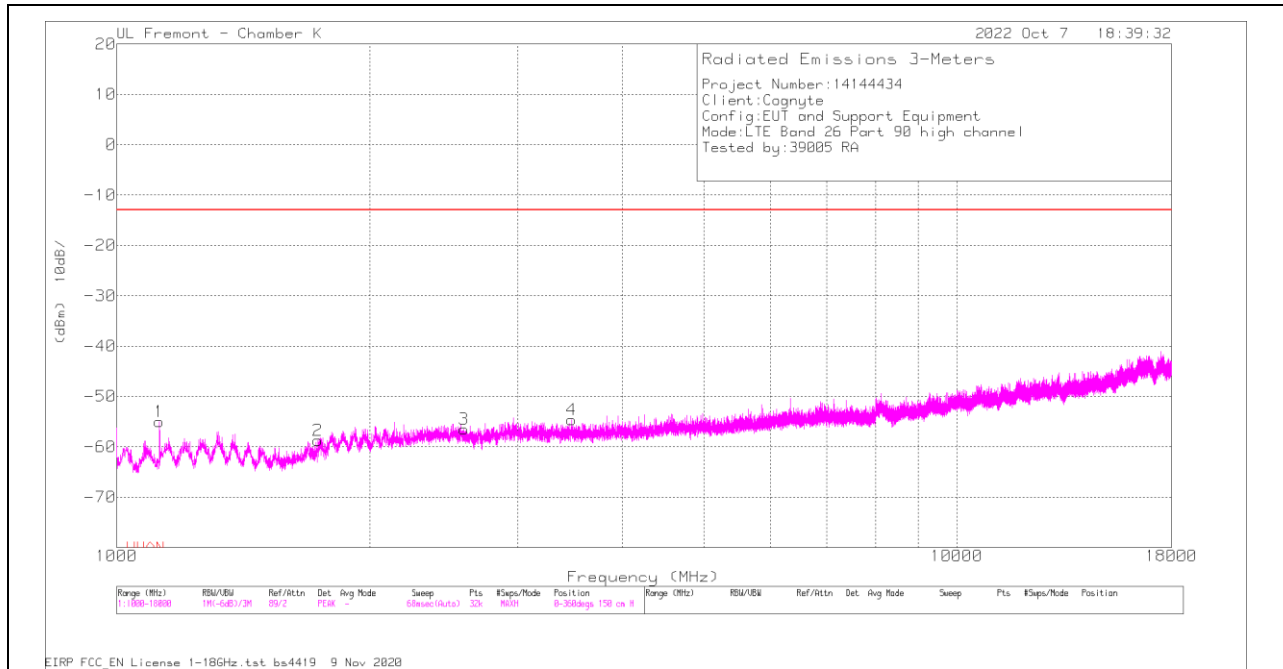
VERTICAL

Trace Markers

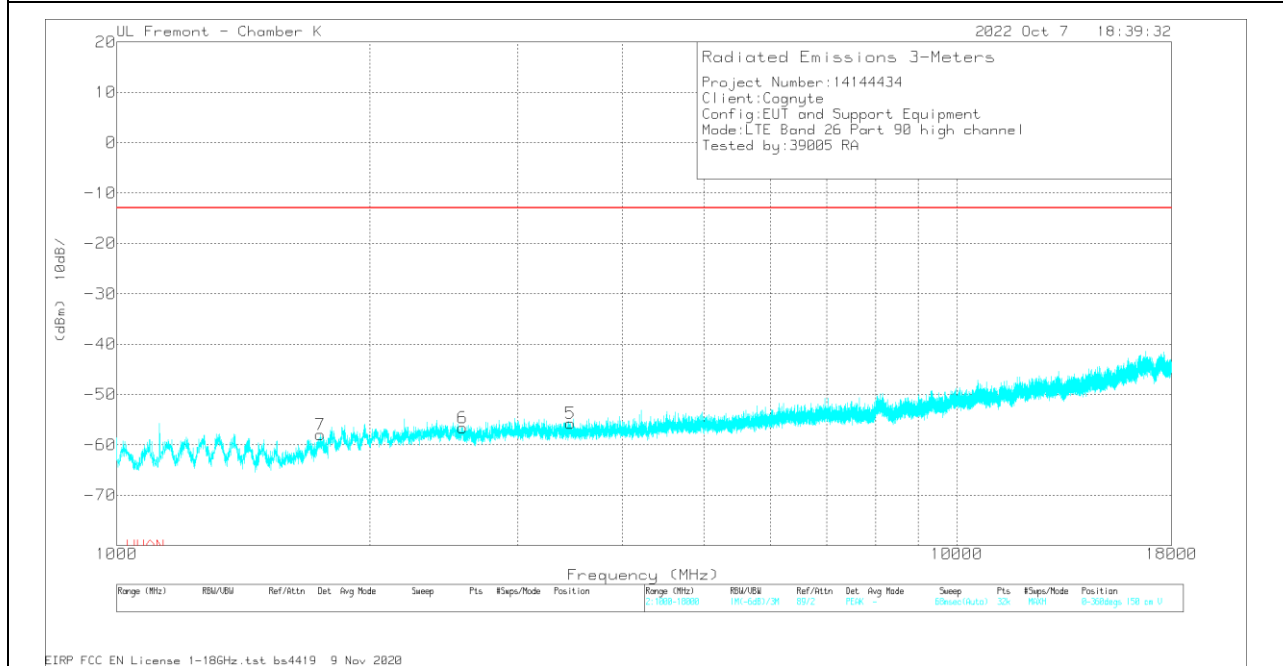
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80402 ACF(dB) - 3mH	Amp/Cbl (dB)	EIRP CF	Corrected Reading (dBm)	WWAN	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1124.844	59.77	Pk	28.1	-47	-95.2	-54.33	-13	-41.33	0-360	150	H
2	1727.281	52.34	Pk	29.2	-46.3	-95.2	-59.96	-13	-46.96	0-360	150	H
3	2582.594	52.56	Pk	32.1	-44.1	-95.2	-54.64	-13	-41.64	0-360	150	H
4	3453.313	48.38	Pk	32.9	-42.4	-95.2	-56.32	-13	-43.32	0-360	150	H
5	3454.375	47.27	Pk	32.9	-42.4	-95.2	-57.43	-13	-44.43	0-360	150	V
6	2562.938	52.33	Pk	32.3	-44.2	-95.2	-54.77	-13	-41.77	0-360	150	V
7	1726.75	52.25	Pk	29.2	-46.4	-95.2	-60.15	-13	-47.15	0-360	150	V

Pk - Peak detector

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80402 ACF(dB) - 3mH	Amp/Cbl (dB)	EIRP CF	Corrected Reading (dBm)	WWAN	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1124.313	59.11	Pk	28.1	-47	-95.2	-54.99	-13	-41.99	0-360	150	H
2	1736.313	53.56	Pk	29.3	-46.4	-95.2	-58.74	-13	-45.74	0-360	150	H
3	2589.5	50.81	Pk	32.1	-44.2	-95.2	-56.49	-13	-43.49	0-360	150	H
4	3476.688	50.06	Pk	32.9	-42.4	-95.2	-54.64	-13	-41.64	0-360	150	H
5	3469.781	48.93	Pk	32.9	-42.4	-95.2	-55.77	-13	-42.77	0-360	150	V
6	2581.531	50.69	Pk	32.1	-44.2	-95.2	-56.61	-13	-43.61	0-360	150	V
7	1749.063	53.87	Pk	29.5	-46.2	-95.2	-58.03	-13	-45.03	0-360	150	V

Pk - Peak detector

10.1.15. LTE BAND 26 (FCC PART 22)

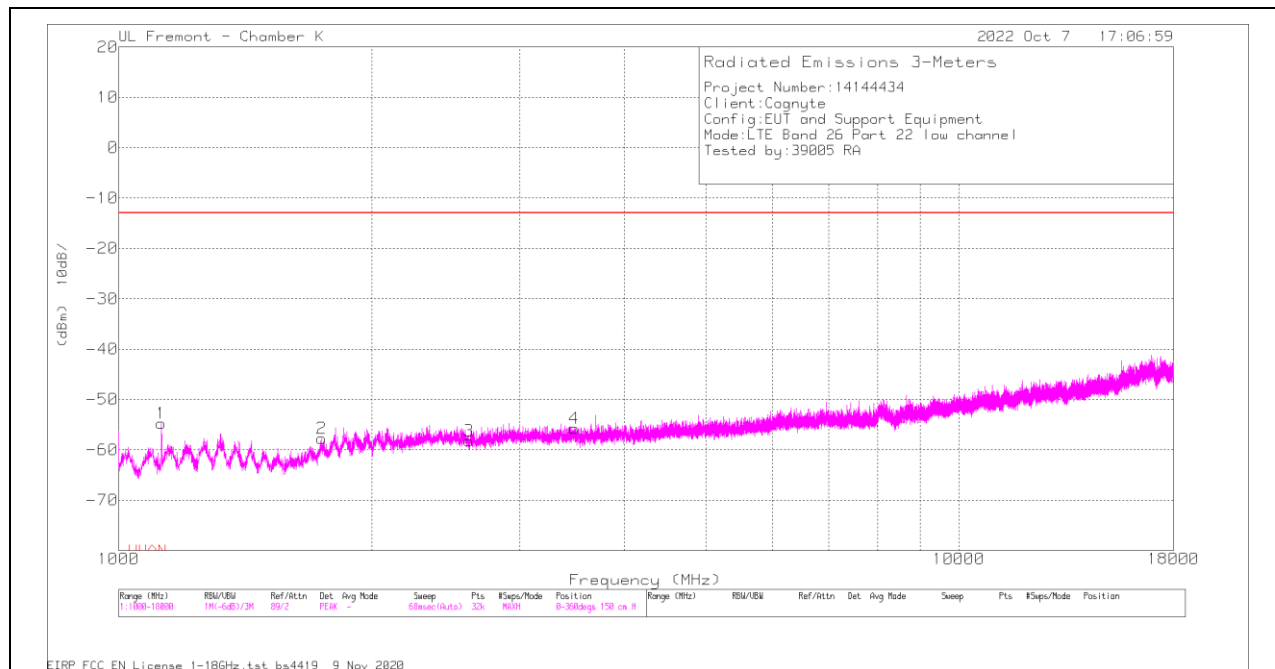
LIMITS

FCC: §22.917(a)

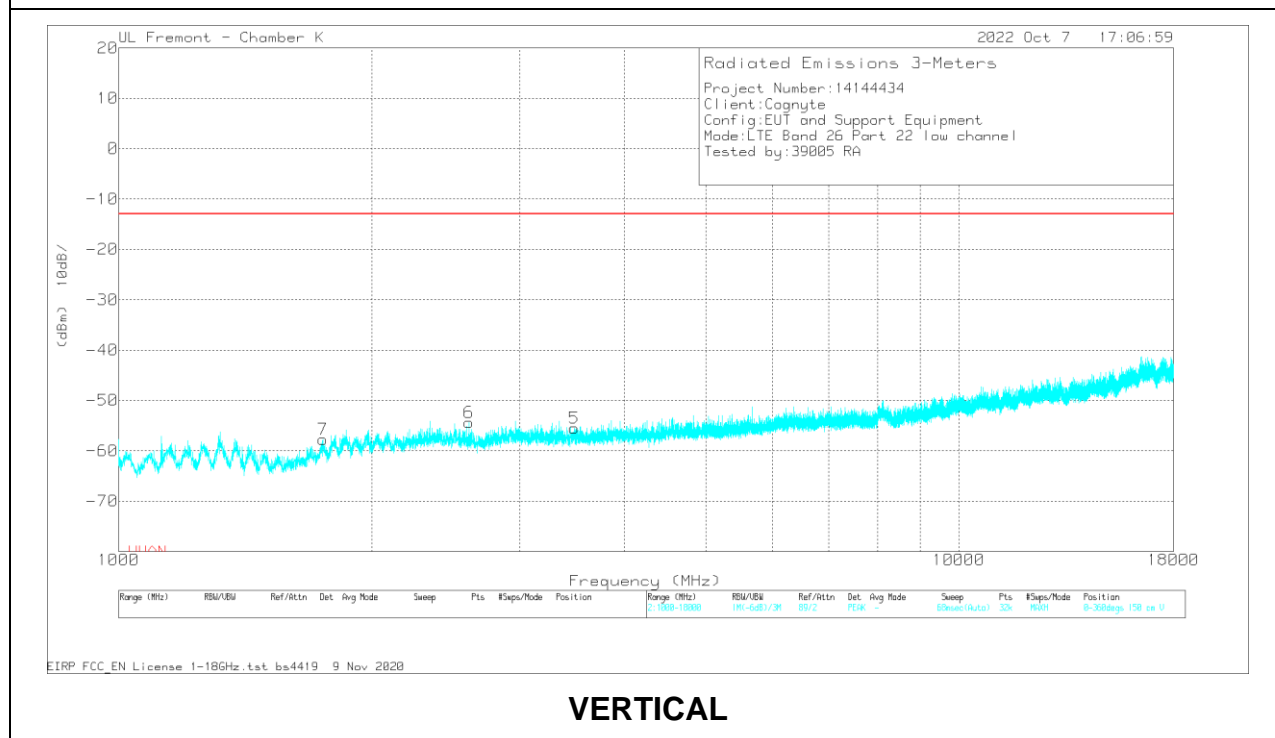
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log (P)$ dB.

QPSK LTE BAND 26 (5.0MHZ BANDWIDTH)

LOW CHANNEL RESULTS



HORIZONTAL



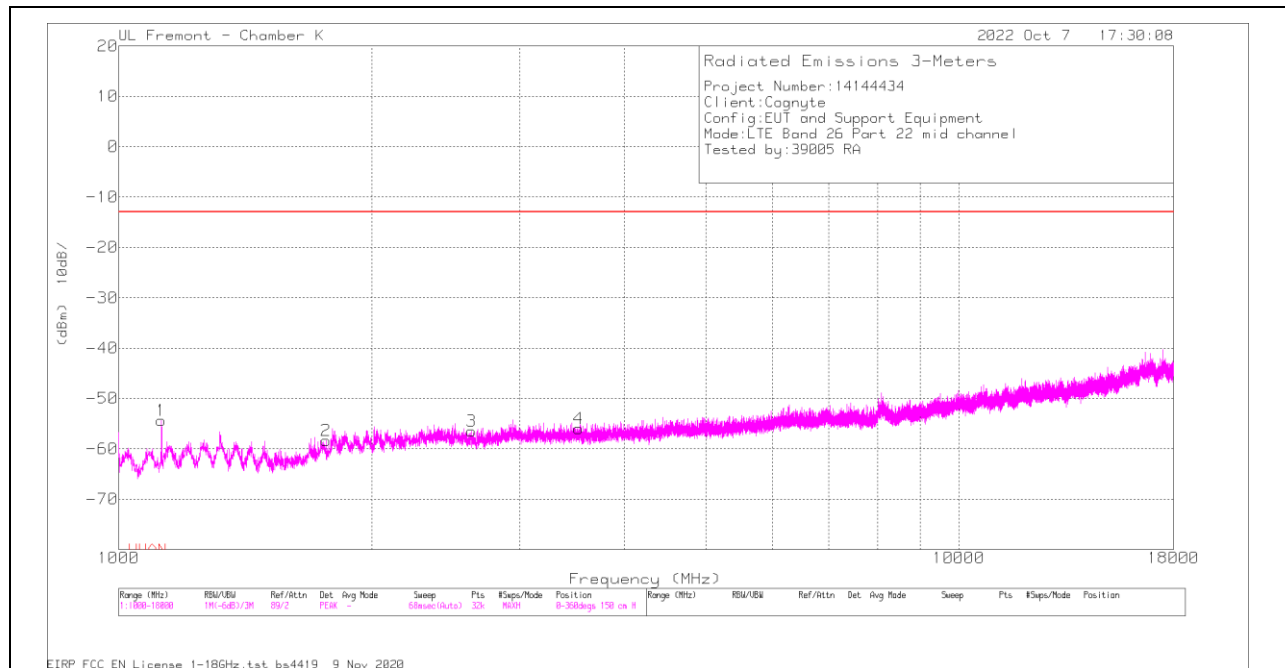
VERTICAL

Trace Markers

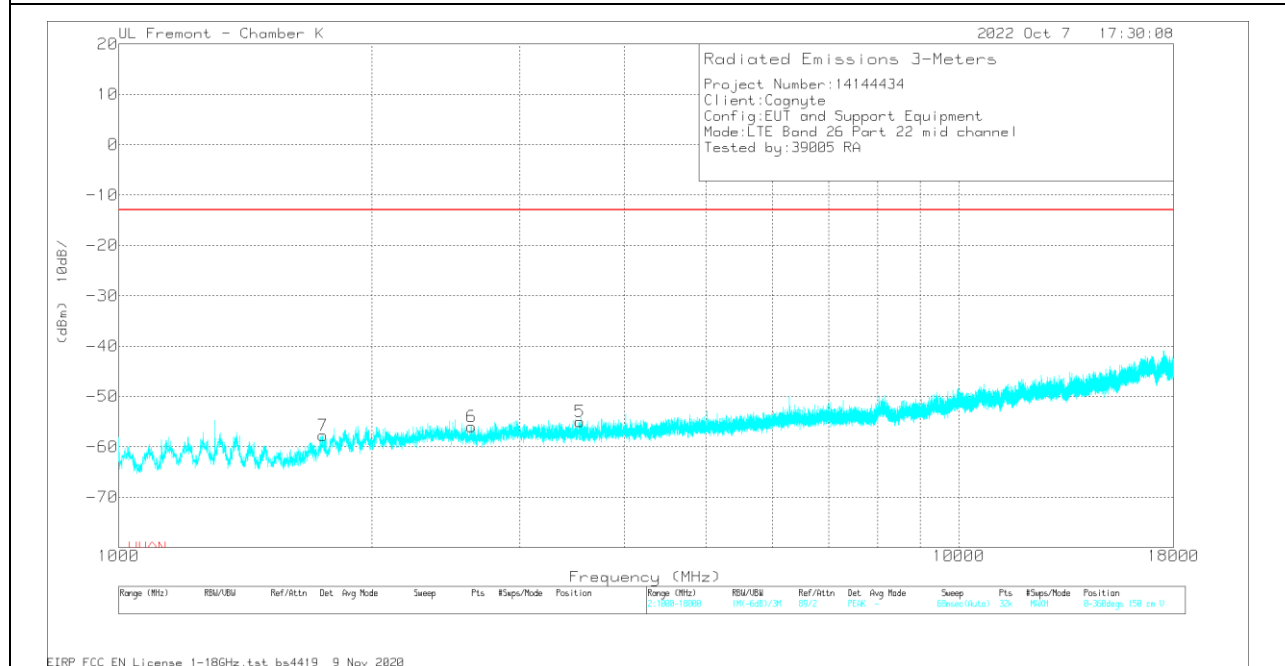
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80402 ACF(dB) - 3mH	Amp/Cbl (dB)	EIRP CF	Corrected Reading (dBm)	WWAN	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1124.844	59.41	Pk	28.1	-47	-95.2	-54.69	-13	-41.69	0-360	150	H
2	1744.813	54.25	Pk	29.5	-46.3	-95.2	-57.75	-13	-44.75	0-360	150	H
3	2613.938	48.79	Pk	32.1	-43.9	-95.2	-58.21	-13	-45.21	0-360	150	H
4	3485.719	48.95	Pk	33	-42.5	-95.2	-55.75	-13	-42.75	0-360	150	H
5	3484.656	49.12	Pk	33	-42.4	-95.2	-55.48	-13	-42.48	0-360	150	V
6	2610.219	52.97	Pk	32	-44.1	-95.2	-54.33	-13	-41.33	0-360	150	V
7	1750.656	54.2	Pk	29.5	-46.2	-95.2	-57.7	-13	-44.7	0-360	150	V

Pk - Peak detector

MID CHANNEL RESULTS



HORIZONTAL



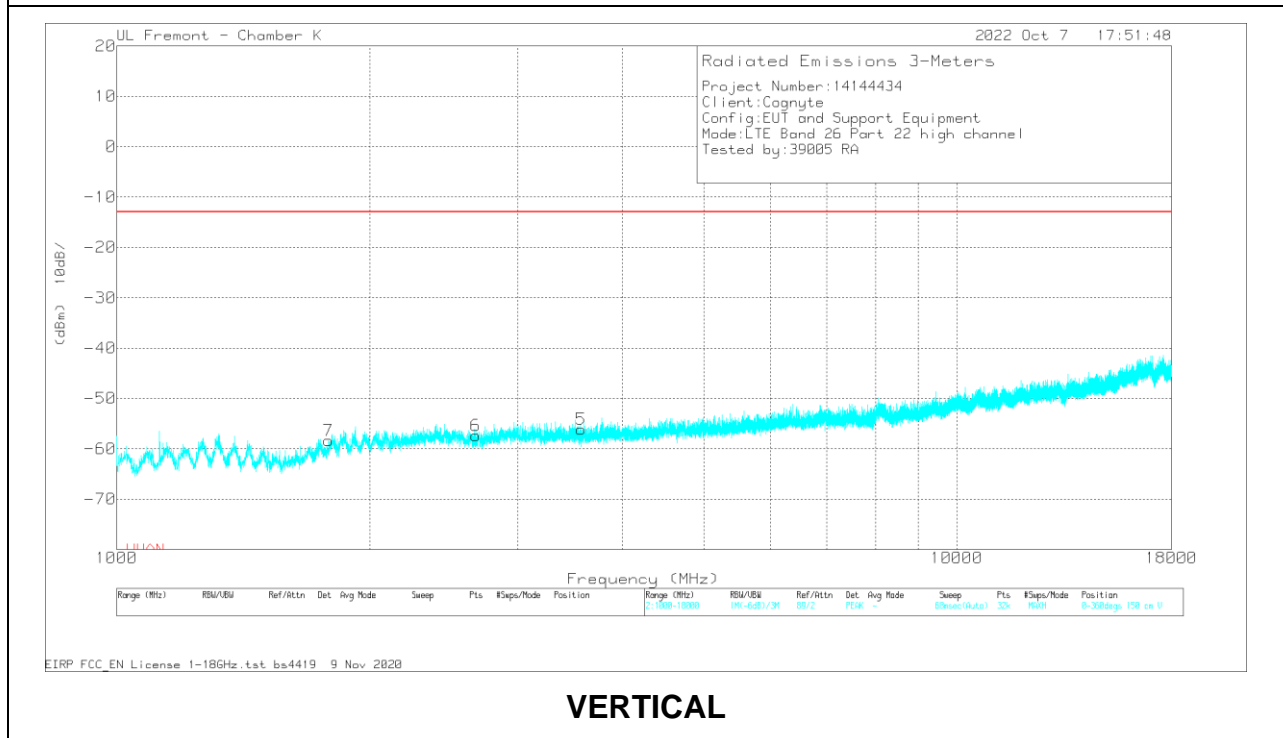
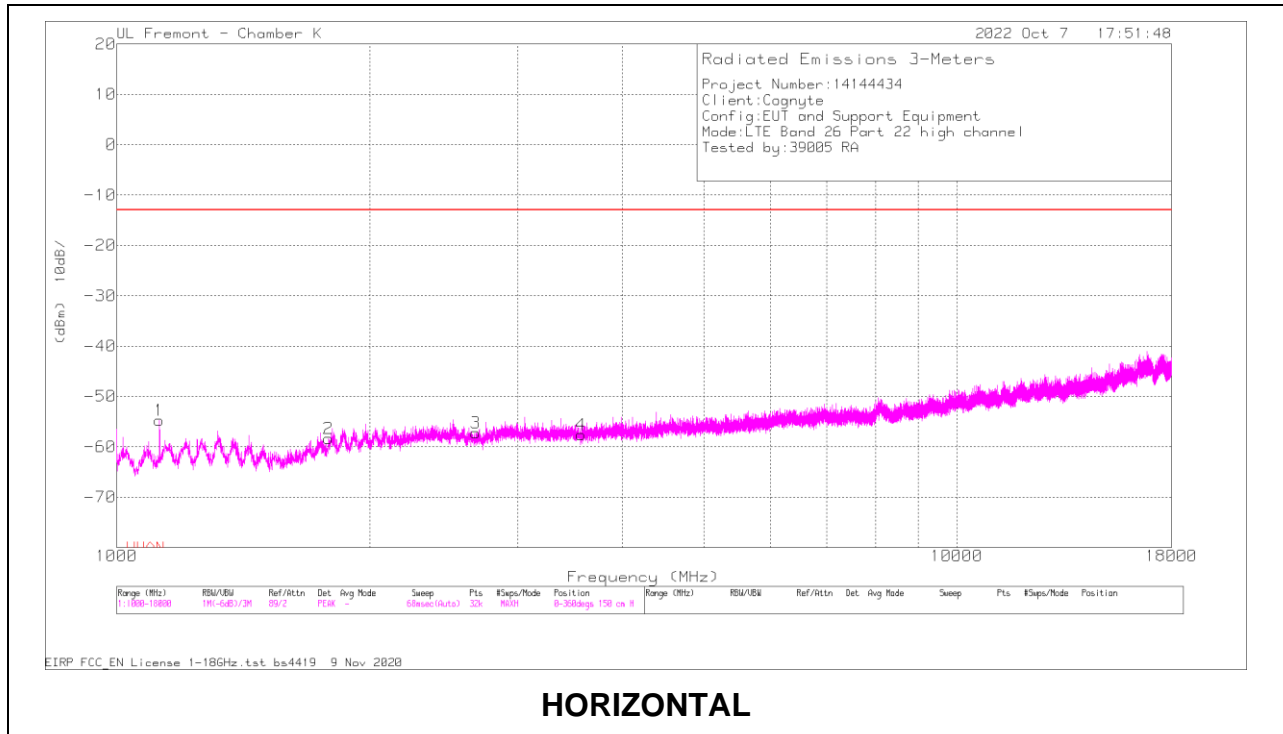
VERTICAL

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80402 ACF(dB) - 3mH	Amp/Cbl (dB)	EIRP CF	Corrected Reading (dBm)	WWAN	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1124.844	59.67	Pk	28.1	-47	-95.2	-54.43	-13	-41.43	0-360	150	H
2	1766.063	53.21	Pk	29.8	-46.2	-95.2	-58.39	-13	-45.39	0-360	150	H
3	2629.875	50.49	Pk	32.1	-43.9	-95.2	-56.51	-13	-43.51	0-360	150	H
4	3529.281	48.7	Pk	32.9	-42.4	-95.2	-56	-13	-43	0-360	150	H
5	3537.25	49.69	Pk	32.9	-42.4	-95.2	-55.01	-13	-42.01	0-360	150	V
6	2631.469	51.06	Pk	32.1	-43.9	-95.2	-55.94	-13	-42.94	0-360	150	V
7	1750.125	54.15	Pk	29.5	-46.2	-95.2	-57.75	-13	-44.75	0-360	150	V

Pk - Peak detector

HIGH CHANNEL RESULTS



Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80402 ACF(dB) - 3mH	Amp/Cbl (dB)	EIRP CF	Corrected Reading (dBm)	WWAN	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1124.844	59.36	Pk	28.1	-47	-95.2	-54.74	-13	-41.74	0-360	150	H
2	1788.375	52.63	Pk	30.2	-46	-95.2	-58.37	-13	-45.37	0-360	150	H
3	2676.625	49.72	Pk	32.1	-43.9	-95.2	-57.28	-13	-44.28	0-360	150	H
4	3569.656	47.07	Pk	33	-42.5	-95.2	-57.63	-13	-44.63	0-360	150	H
5	3569.125	48.58	Pk	33	-42.5	-95.2	-56.12	-13	-43.12	0-360	150	V
6	2676.625	49.65	Pk	32.1	-43.9	-95.2	-57.35	-13	-44.35	0-360	150	V
7	1788.375	52.63	Pk	30.2	-46	-95.2	-58.37	-13	-45.37	0-360	150	V

Pk - Peak detector

10.1.16. LTE BAND 66

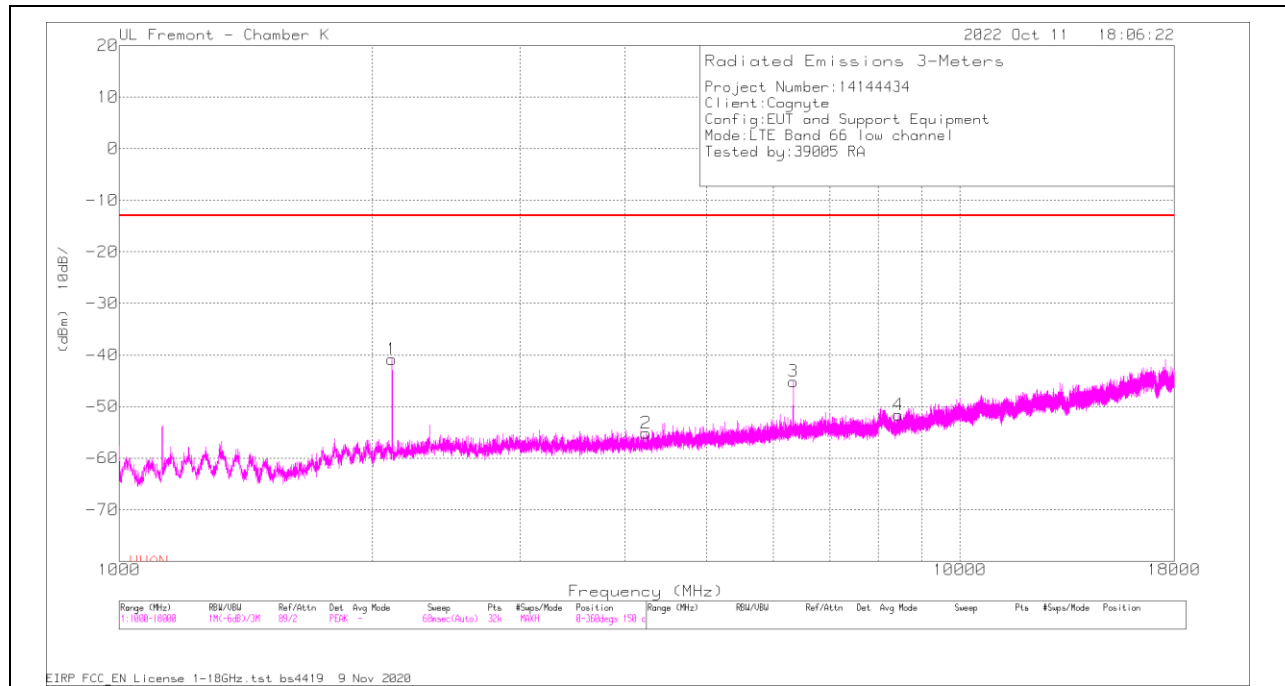
LIMITS

FCC: §27.53 (h)

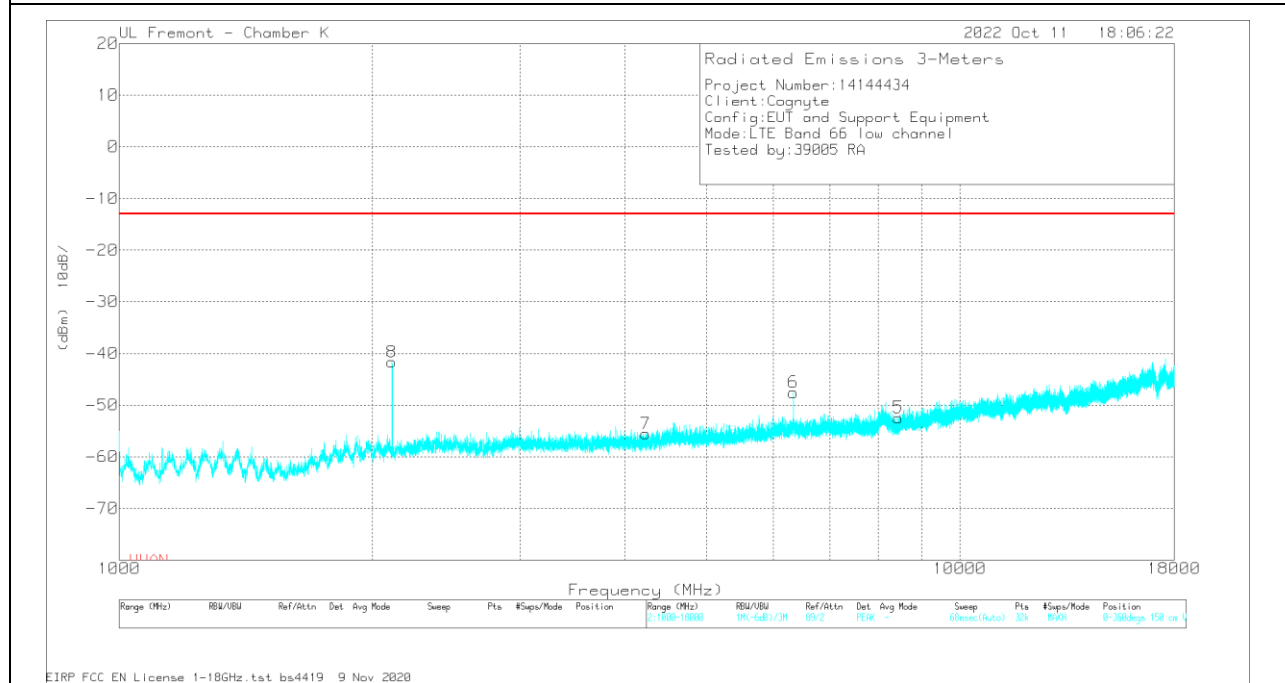
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log (P)$ dB.

QPSK LTE BAND 66 (5.0MHZ BANDWIDTH)

LOW CHANNEL RESULTS



HORIZONTAL



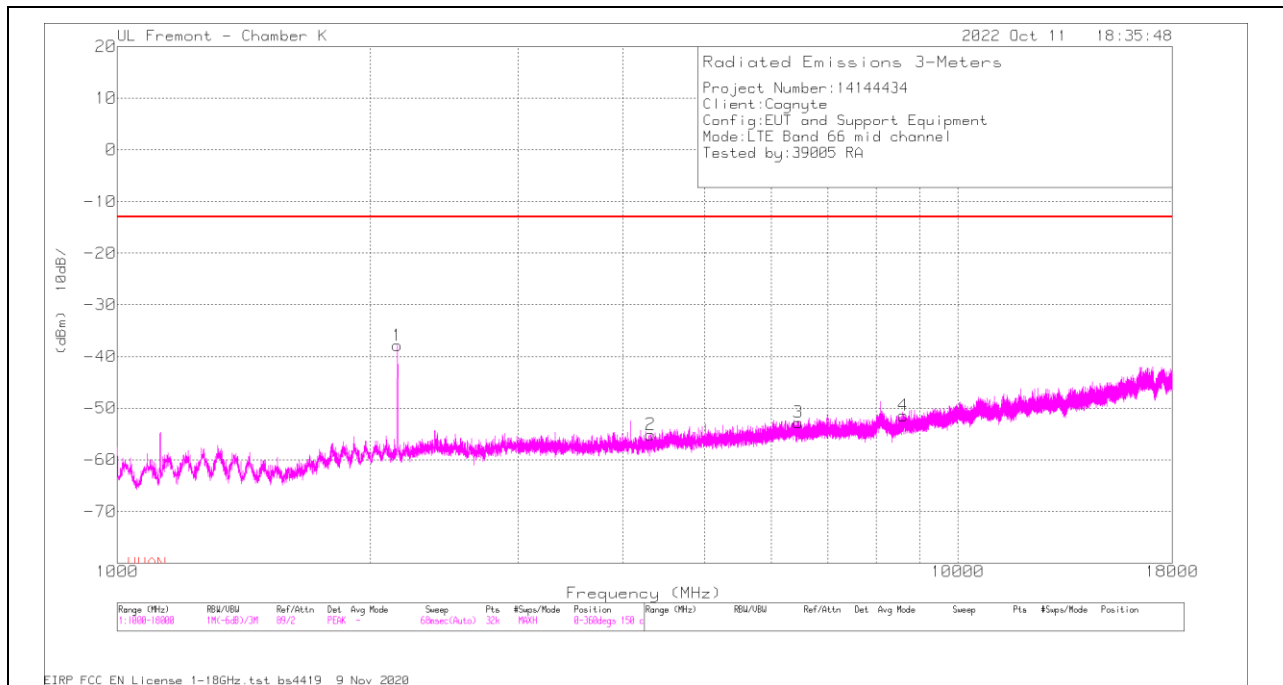
VERTICAL

Trace Markers

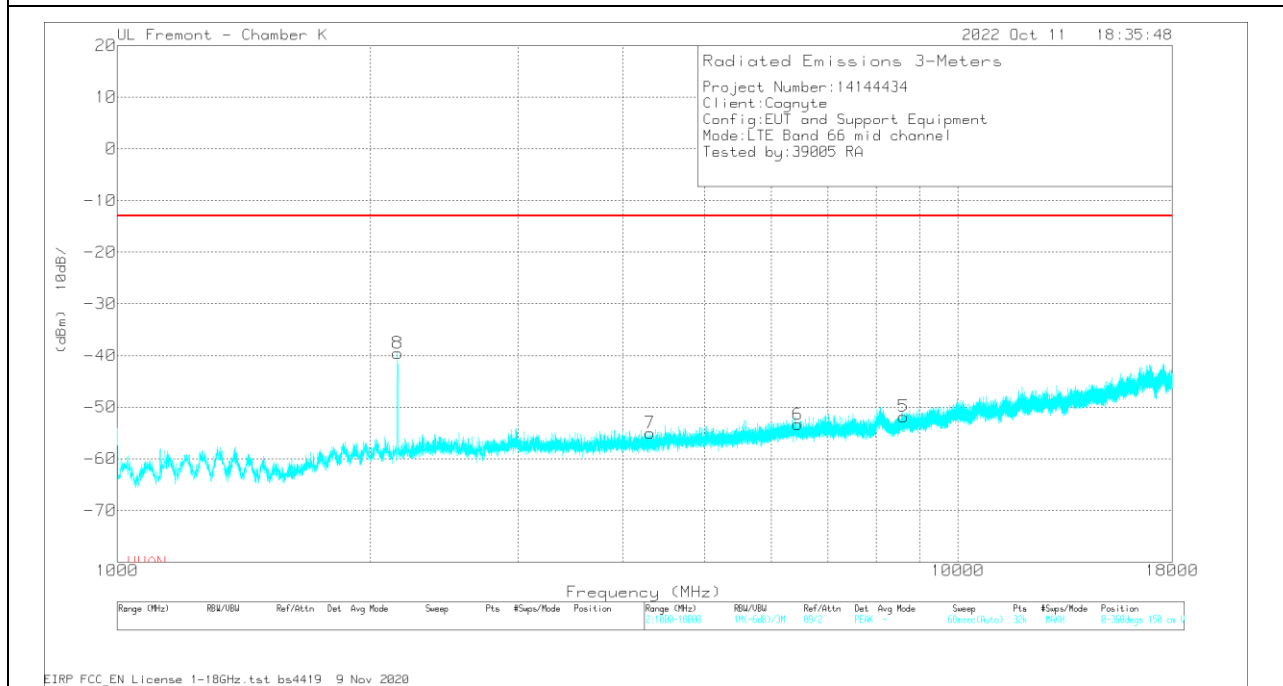
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80402 ACF(dB) - 3mH	Amp/Cbl (dB)	EIRP CF	Corrected Reading (dBm)	WWAN	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2111.375	68.26	Pk	31.7	-45.6	-95.2	-40.84	-13	-27.84	0-360	150	H
2	4234.781	48.35	Pk	33.7	-42	-95.2	-55.15	-13	-42.15	0-360	150	H
3	6340.656	53.38	Pk	35.7	-39	-95.2	-45.12	-13	-32.12	0-360	150	H
4	8448.125	45.69	Pk	35.7	-37.8	-95.2	-51.61	-13	-38.61	0-360	150	H
5	8447.063	44.86	Pk	35.7	-37.8	-95.2	-52.44	-13	-39.44	0-360	150	V
6	6339.063	51.05	Pk	35.7	-39.1	-95.2	-47.55	-13	-34.55	0-360	150	V
7	4228.406	47.94	Pk	33.7	-42	-95.2	-55.56	-13	-42.56	0-360	150	V
8	*2110.313	67.44	Pk	31.7	-45.6	-95.2	-41.66	-13	-28.66	0-360	150	V

* - indicates fundamental frequencies
 Pk - Peak detector

MID CHANNEL RESULTS



HORIZONTAL



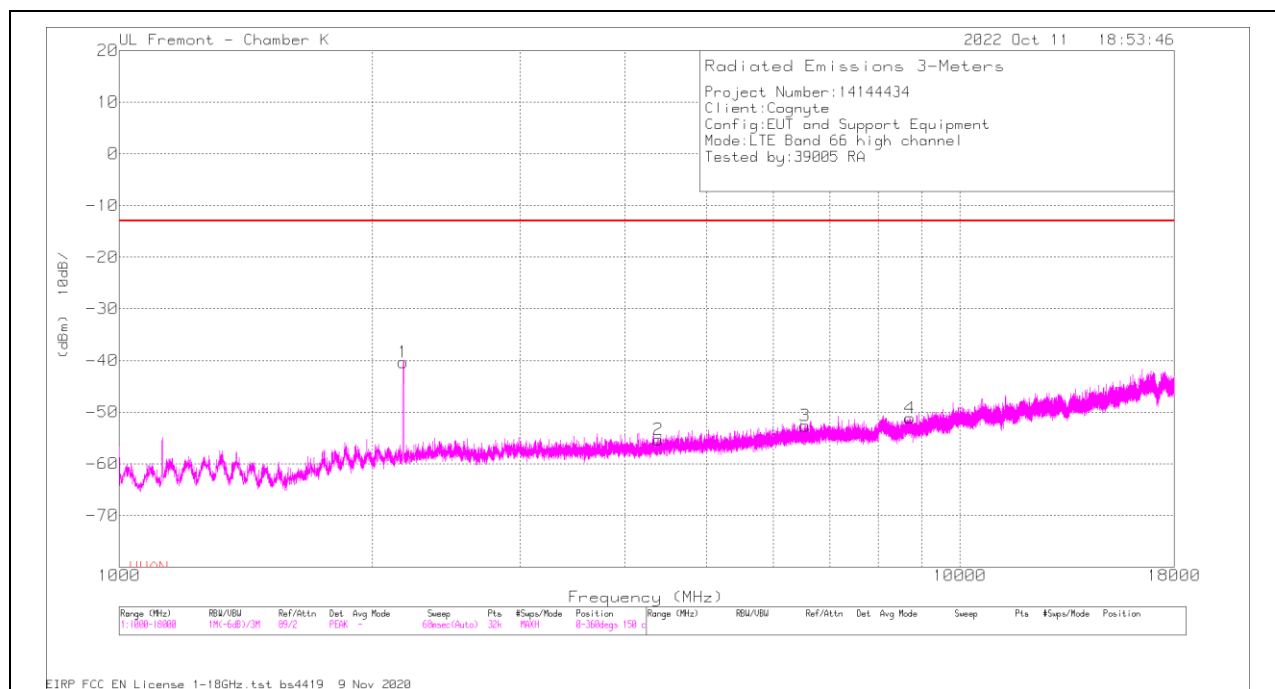
VERTICAL

Trace Markers

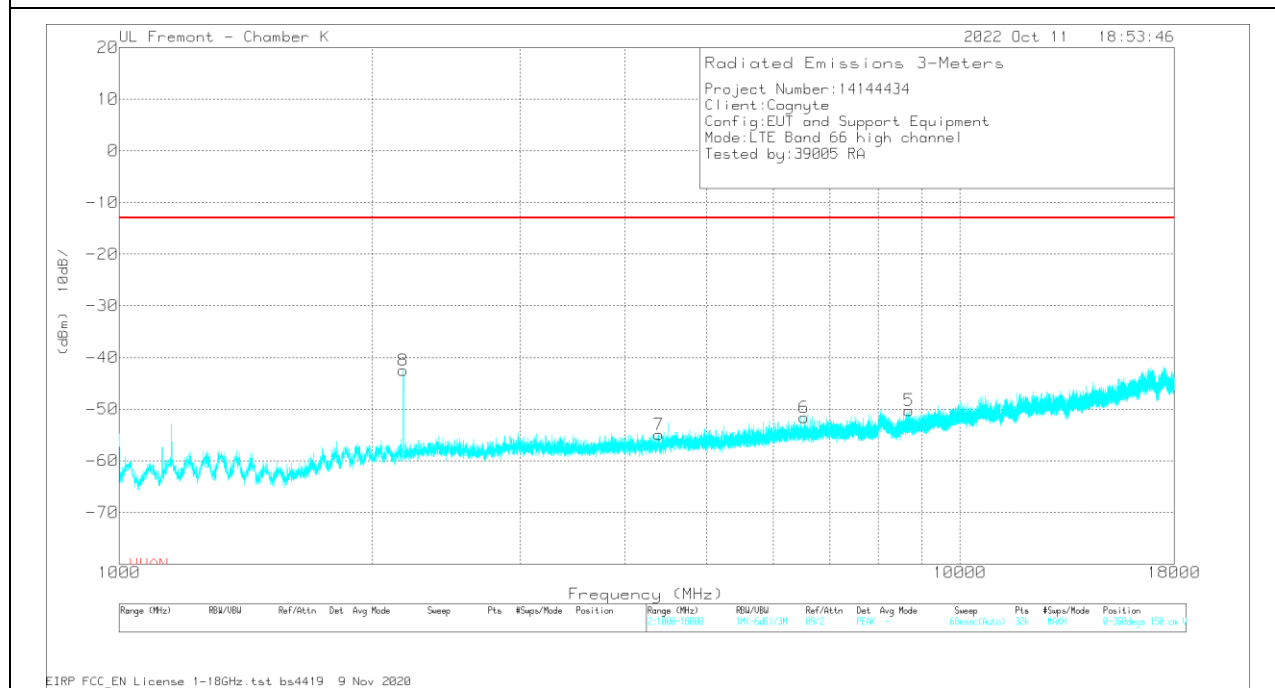
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80402 ACF(dB) - 3mH	Amp/Cbl (dB)	EIRP CF	Corrected Reading (dBm)	WWAN	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2153.875	71.3	Pk	31.6	-45.6	-95.2	-37.9	-13	-24.9	0-360	150	H
2	4310.219	48.28	Pk	33.7	-41.9	-95.2	-55.12	-13	-42.12	0-360	150	H
3	6462.313	46.11	Pk	35.7	-39.4	-95.2	-52.79	-13	-39.79	0-360	150	H
4	8619.188	45.37	Pk	35.9	-37.5	-95.2	-51.43	-13	-38.43	0-360	150	H
5	8619.719	44.98	Pk	35.9	-37.5	-95.2	-51.82	-13	-38.82	0-360	150	V
6	6452.75	45.46	Pk	35.7	-39.3	-95.2	-53.34	-13	-40.34	0-360	150	V
7	4302.25	48.28	Pk	33.7	-41.8	-95.2	-55.02	-13	-42.02	0-360	150	V
8	*2156	69.66	Pk	31.6	-45.6	-95.2	-39.54	-13	-26.54	0-360	150	V

* - indicates fundamental frequencies
 Pk - Peak detector

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80402 ACF(dB) - 3mH	Amp/Cbl (dB)	EIRP CF	Corrected Reading (dBm)	WWAN	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2176.188	68.85	Pk	31.6	-45.6	-95.2	-40.35	-13	-27.35	0-360	150	H
2	4377.688	47.96	Pk	33.7	-41.8	-95.2	-55.34	-13	-42.34	0-360	150	H
3	6545.188	46.24	Pk	35.7	-39.4	-95.2	-52.66	-13	-39.66	0-360	150	H
4	8724.906	45.42	Pk	36	-37.4	-95.2	-51.18	-13	-38.18	0-360	150	H
5	8706.844	46.32	Pk	36	-37.4	-95.2	-50.28	-13	-37.28	0-360	150	V
6	6525.531	47.14	Pk	35.7	-39.3	-95.2	-51.66	-13	-38.66	0-360	150	V
7	4387.781	48.47	Pk	33.7	-41.9	-95.2	-54.93	-13	-41.93	0-360	150	V
8	*2176.188	66.67	Pk	31.6	-45.6	-95.2	-42.53	-13	-29.53	0-360	150	V

* - indicates fundamental frequencies
 Pk - Peak detector

10.1.17. LTE BAND 71 AND 5G NR n71

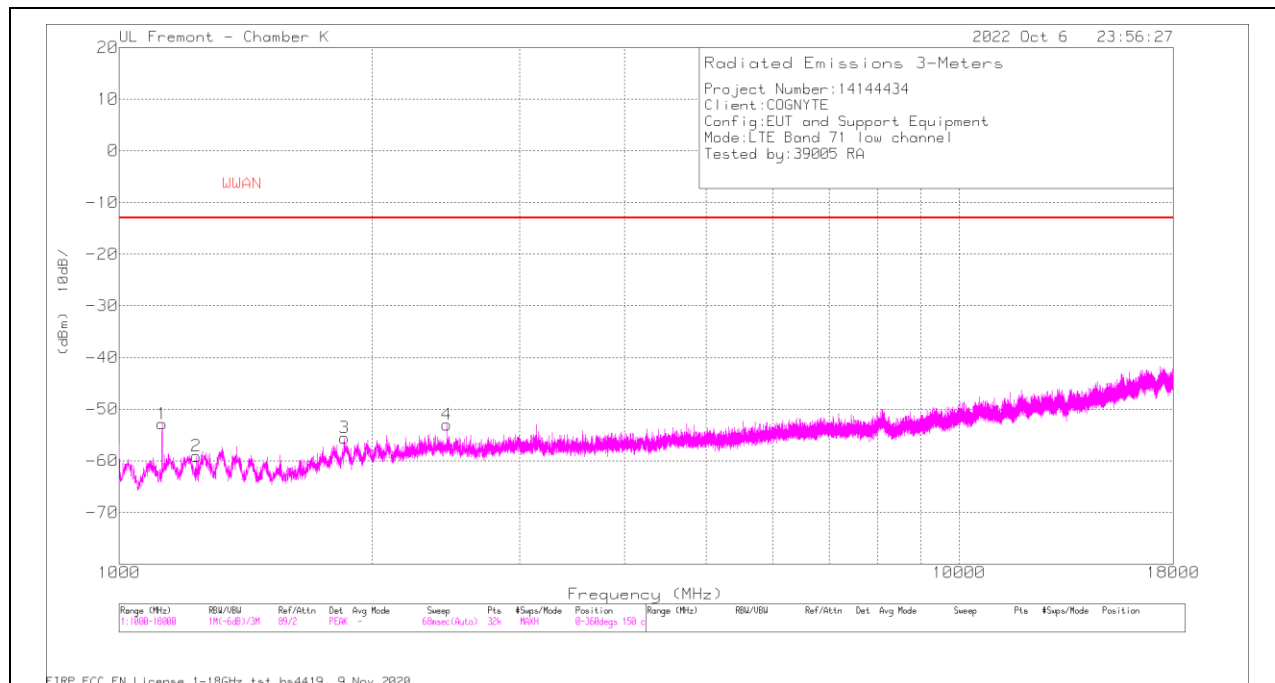
LIMITS

FCC: §27.53 (g)

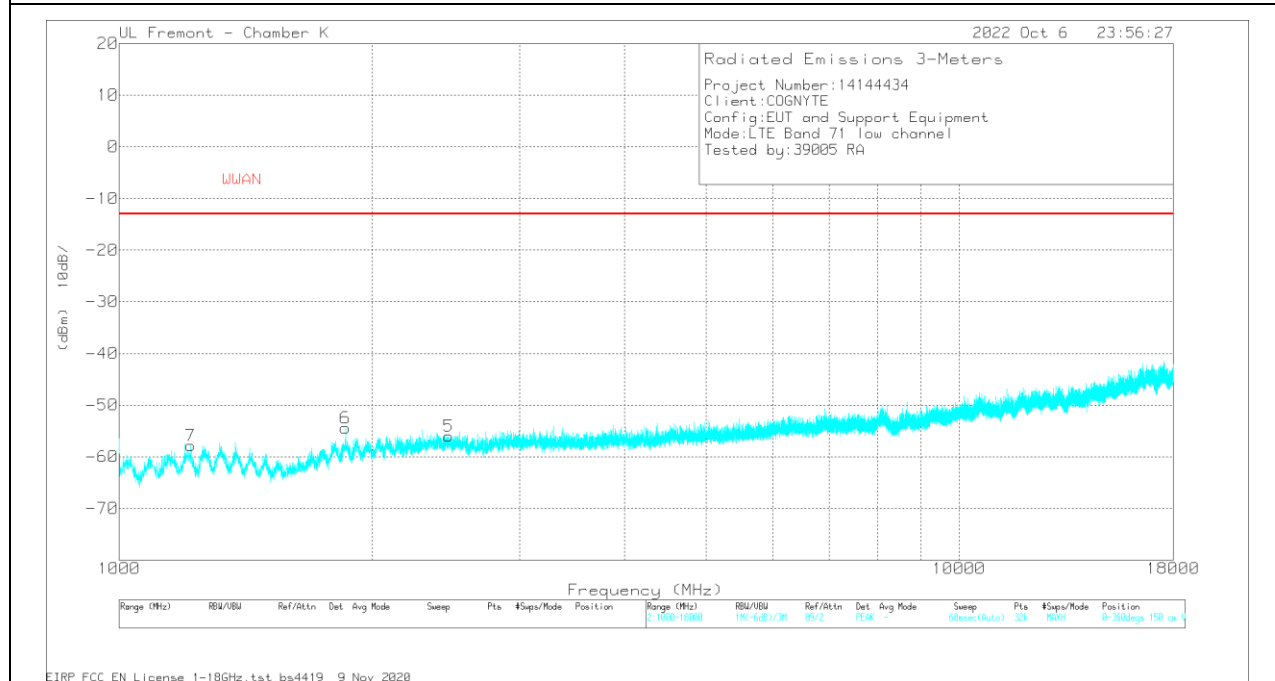
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log (P)$ dB.

QPSK LTE BAND 71 (5.0MHZ BANDWIDTH)

LOW CHANNEL RESULTS



HORIZONTAL



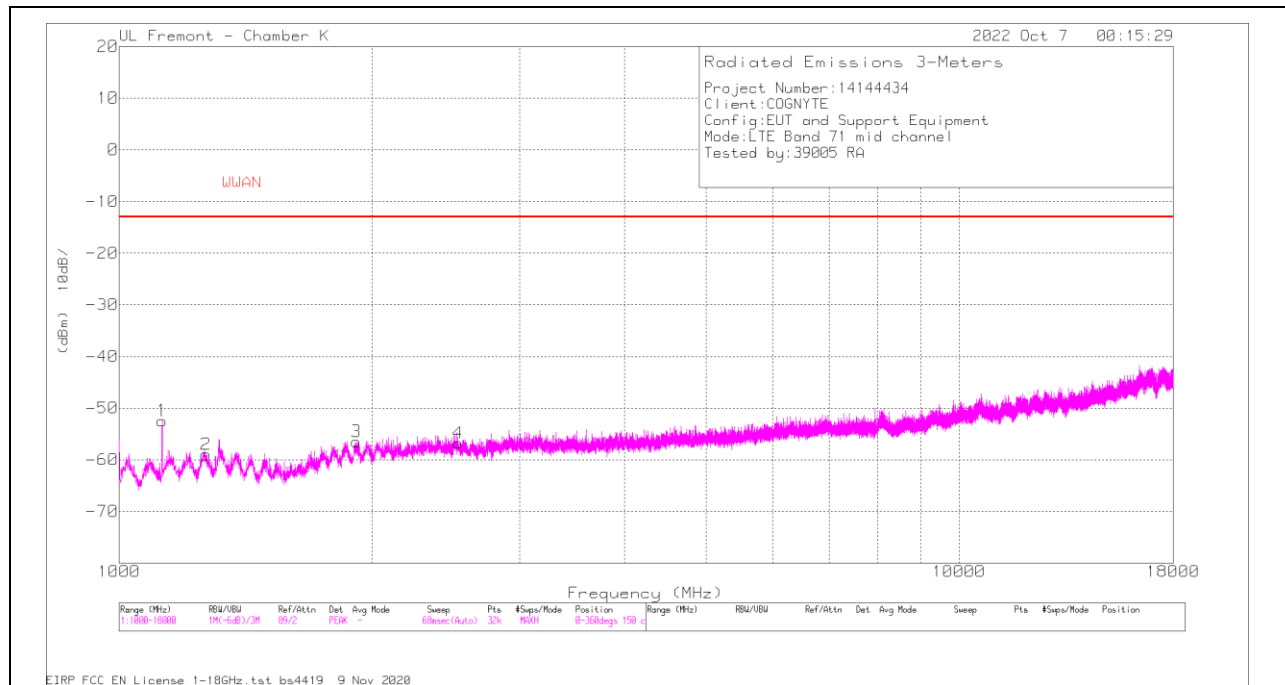
VERTICAL

Trace Markers

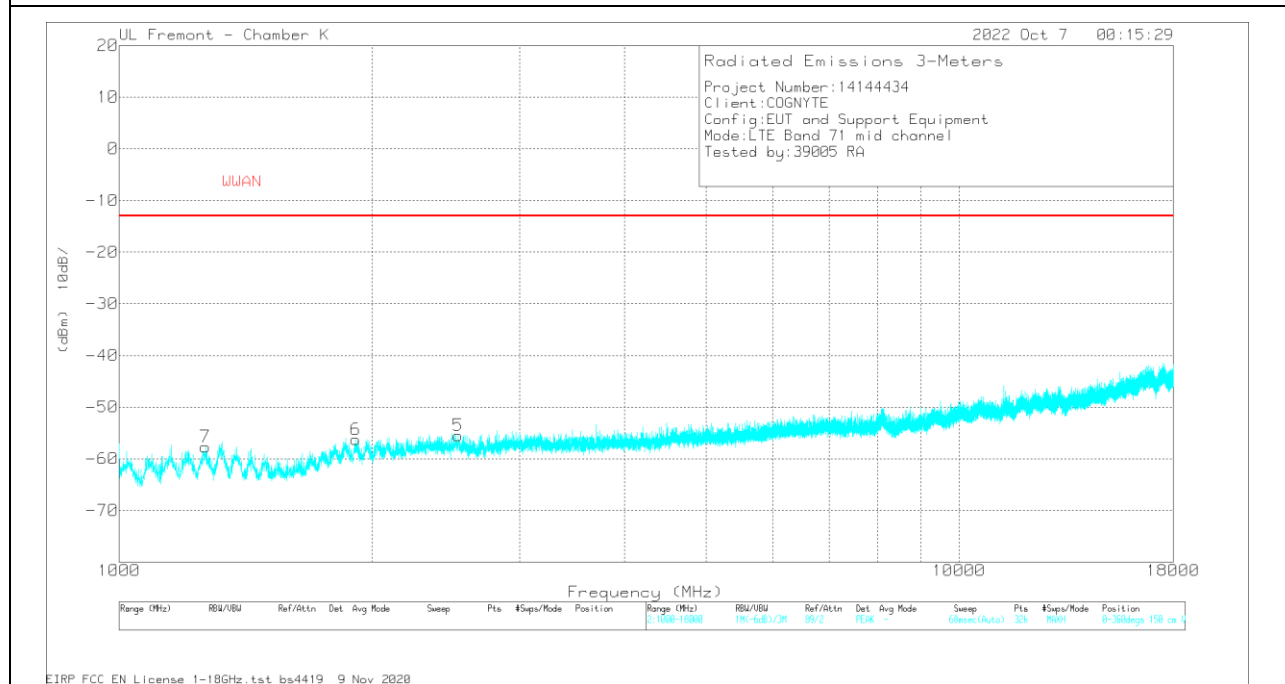
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80402 ACF(dB) - 3mH	Amp/Cbl (dB)	EIRP CF	Corrected Reading (dBm)	WWAN	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1124.844	61.24	Pk	28.1	-47	-95.2	-52.86	-13	-39.86	0-360	150	H
2	1235.875	53.98	Pk	28.9	-46.8	-95.2	-59.12	-13	-46.12	0-360	150	H
3	1854.25	54.61	Pk	31.1	-46.1	-95.2	-55.59	-13	-42.59	0-360	150	H
4	2454.031	54.29	Pk	32.4	-44.5	-95.2	-53.01	-13	-40.01	0-360	150	H
5	2466.781	51.47	Pk	32.4	-44.7	-95.2	-56.03	-13	-43.03	0-360	150	V
6	1859.563	55.84	Pk	31.1	-46.2	-95.2	-54.46	-13	-41.46	0-360	150	V
7	1216.219	55.44	Pk	28.7	-46.8	-95.2	-57.86	-13	-44.86	0-360	150	V

Pk - Peak detector

MID CHANNEL RESULTS



HORIZONTAL



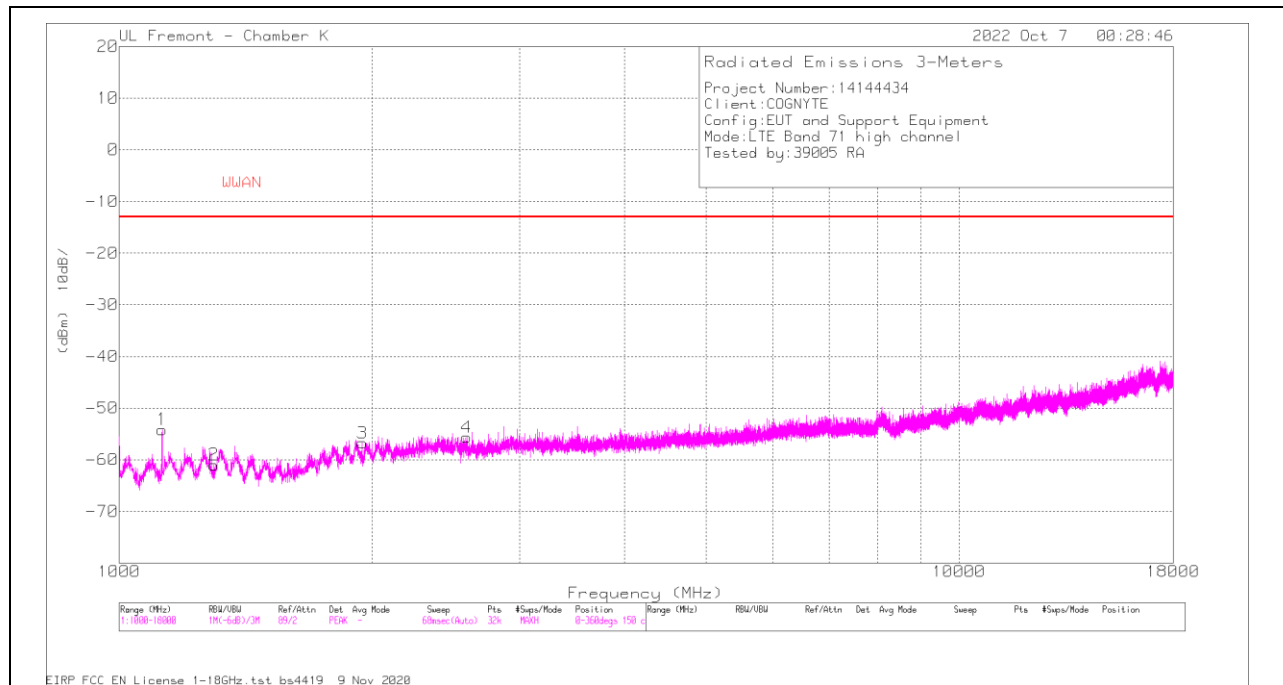
VERTICAL

Trace Markers

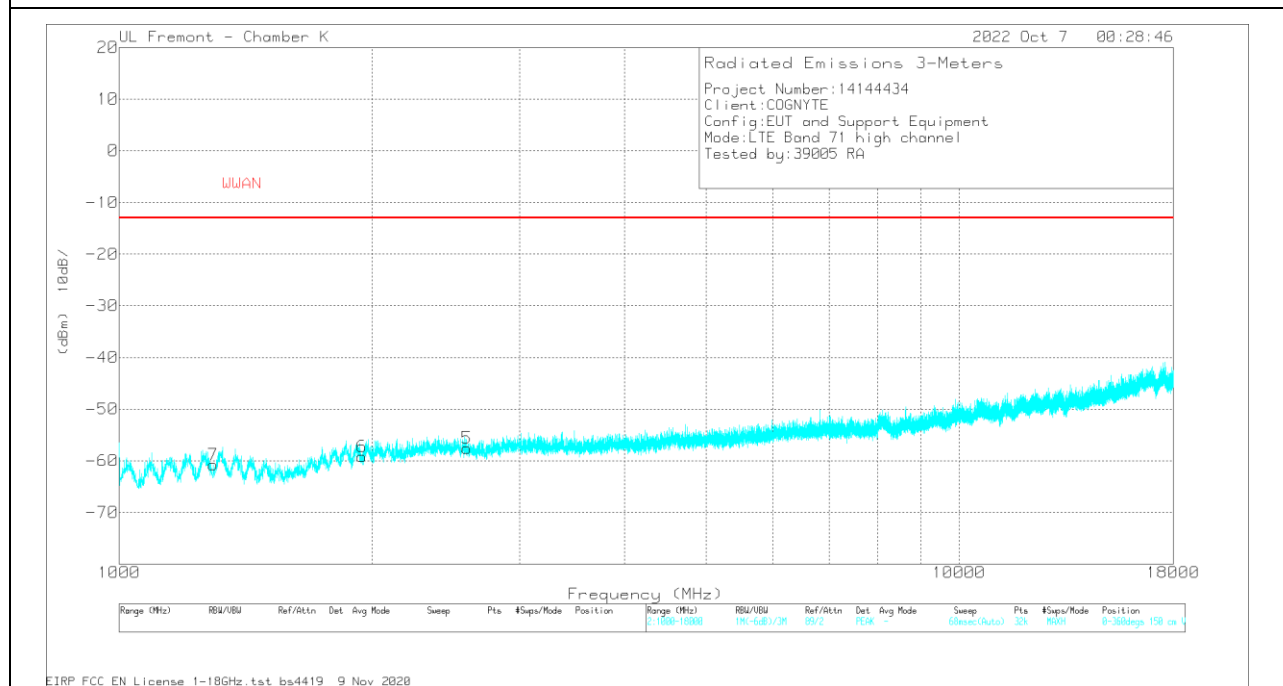
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80402 ACF(dB) - 3mH	Amp/Cbl (dB)	EIRP CF	Corrected Reading (dBm)	WWAN	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1124.844	61.66	Pk	28.1	-47	-95.2	-52.44	-13	-39.44	0-360	150	H
2	1268.813	53.8	Pk	29.1	-46.7	-95.2	-59	-13	-46	0-360	150	H
3	1916.938	53.41	Pk	31.2	-45.9	-95.2	-56.49	-13	-43.49	0-360	150	H
4	2532.656	50.32	Pk	32.5	-44.4	-95.2	-56.78	-13	-43.78	0-360	150	H
5	2532.125	51.49	Pk	32.6	-44.4	-95.2	-55.51	-13	-42.51	0-360	150	V
6	1913.219	53.92	Pk	31.1	-46.1	-95.2	-56.28	-13	-43.28	0-360	150	V
7	1266.688	55.1	Pk	29.1	-46.7	-95.2	-57.7	-13	-44.7	0-360	150	V

Pk - Peak detector

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

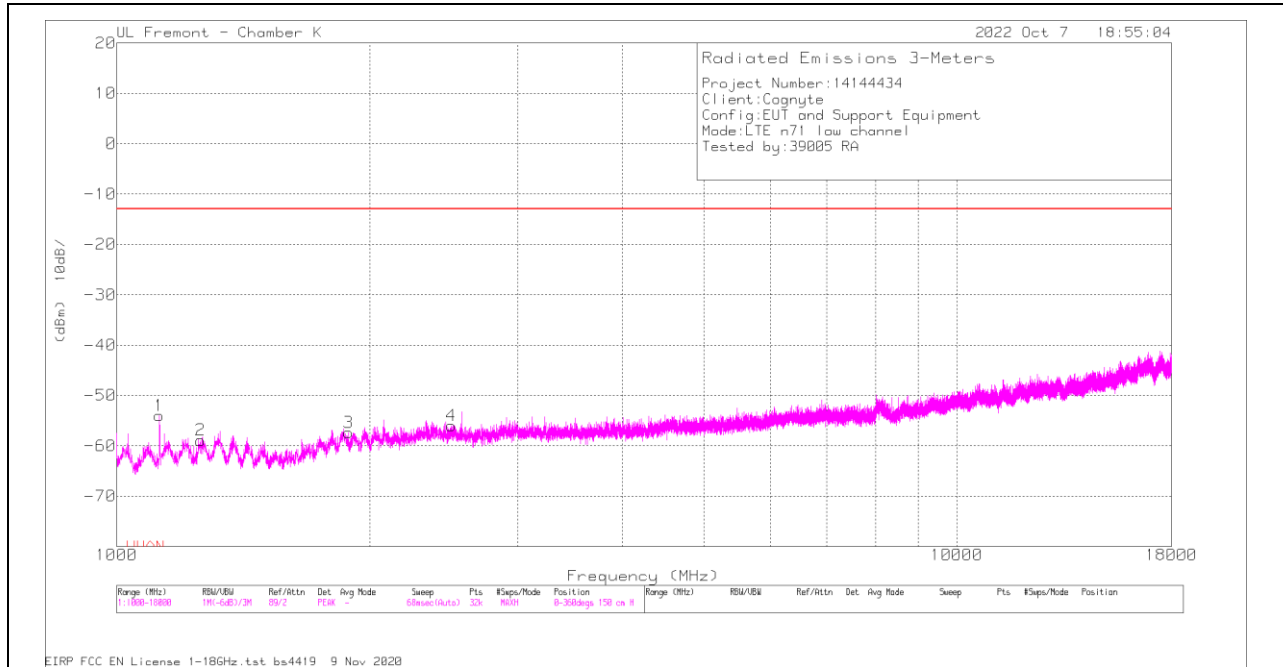
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80402 ACF(dB) - 3mH	Amp/Cbl (dB)	EIRP CF	Corrected Reading (dBm)	WWAN	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1124.844	59.95	Pk	28.1	-47	-95.2	-54.15	-13	-41.15	0-360	150	H
2	1296.172	51.32	Pk	29.4	-46.5	-95.2	-60.98	-13	-47.98	0-360	150	H
3	1947.75	53.04	Pk	31.3	-45.9	-95.2	-56.76	-13	-43.76	0-360	150	H
4	2592.688	51.53	Pk	32.1	-44.1	-95.2	-55.67	-13	-42.67	0-360	150	H
5	2594.281	49.7	Pk	32.1	-44.2	-95.2	-57.6	-13	-44.6	0-360	150	V
6	1947.219	50.61	Pk	31.3	-45.9	-95.2	-59.19	-13	-46.19	0-360	150	V
7	1294.844	51.7	Pk	29.3	-46.6	-95.2	-60.8	-13	-47.8	0-360	150	V

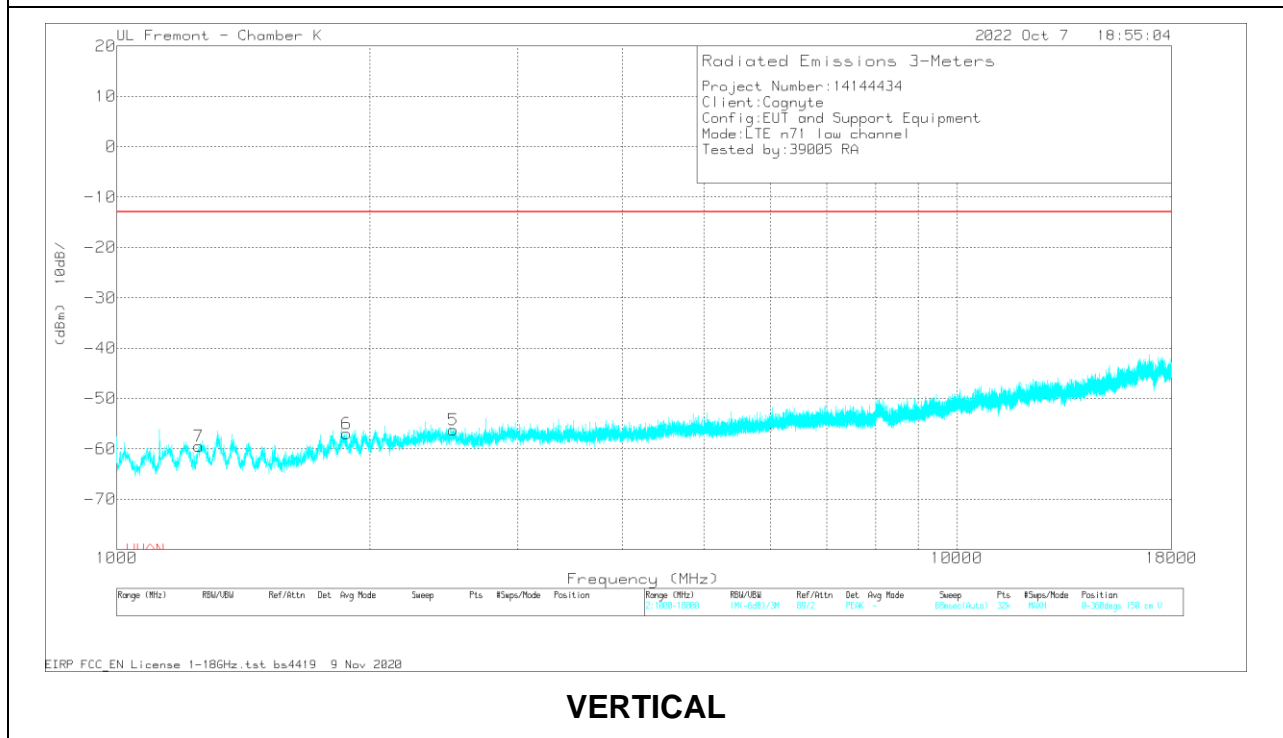
Pk - Peak detector

QPSK 5G NR n71 (20.0MHZ BANDWIDTH)

LOW CHANNEL RESULTS



HORIZONTAL



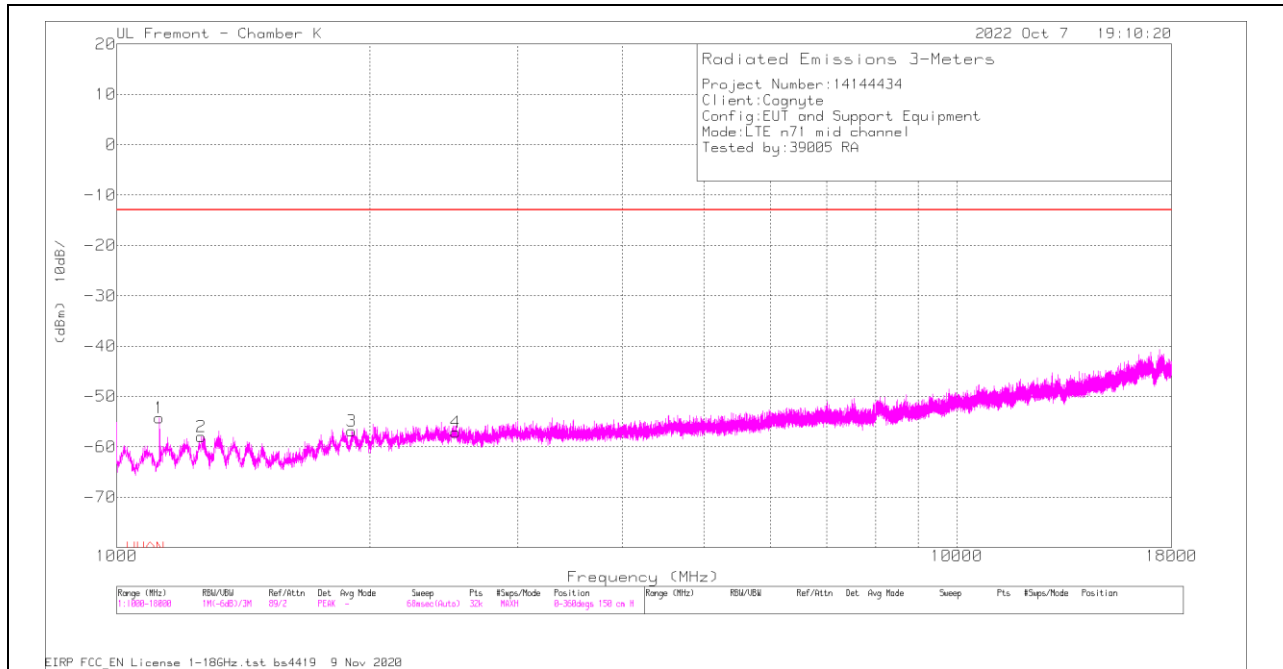
VERTICAL

Trace Markers

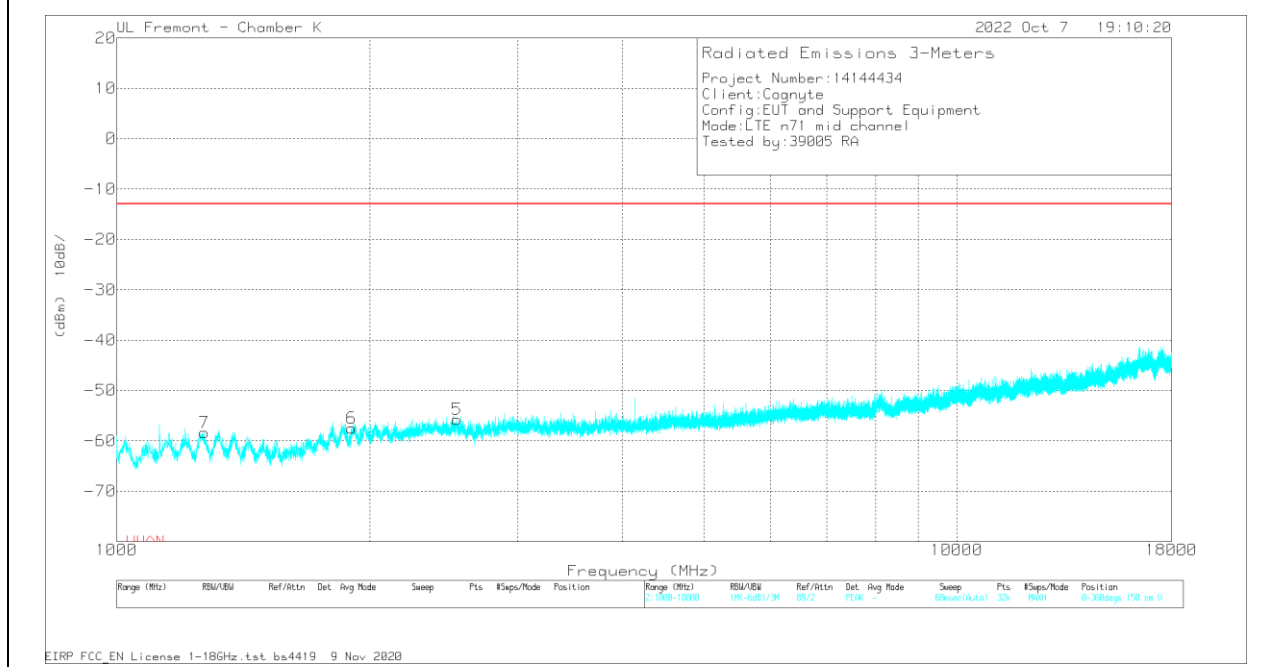
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80402 ACF(dB) - 3mH	Amp/Cbl (dB)	EIRP CF	Corrected Reading (dBm)	WWAN	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1124.844	60.1	Pk	28.1	-47	-95.2	-54	-13	-41	0-360	150	H
2	1259.781	53.99	Pk	29	-46.7	-95.2	-58.91	-13	-45.91	0-360	150	H
3	1886.656	52.49	Pk	31.2	-45.9	-95.2	-57.41	-13	-44.41	0-360	150	H
4	2503.969	51.23	Pk	32.6	-44.6	-95.2	-55.97	-13	-42.97	0-360	150	H
5	2515.656	50.76	Pk	32.6	-44.4	-95.2	-56.24	-13	-43.24	0-360	150	V
6	1878.688	52.86	Pk	31.2	-45.9	-95.2	-57.04	-13	-44.04	0-360	150	V
7	1252.875	53.38	Pk	29	-46.6	-95.2	-59.42	-13	-46.42	0-360	150	V

Pk - Peak detector

MID CHANNEL RESULTS



HORIZONTAL



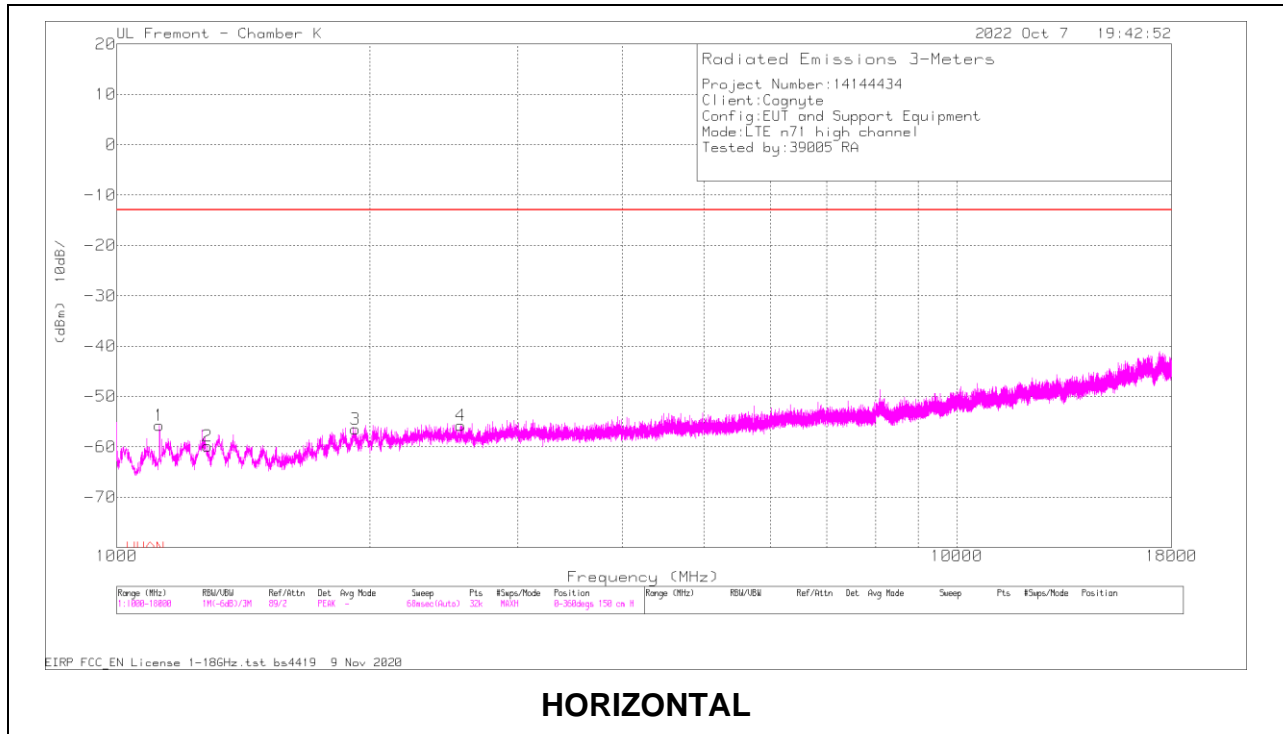
VERTICAL

Trace Markers

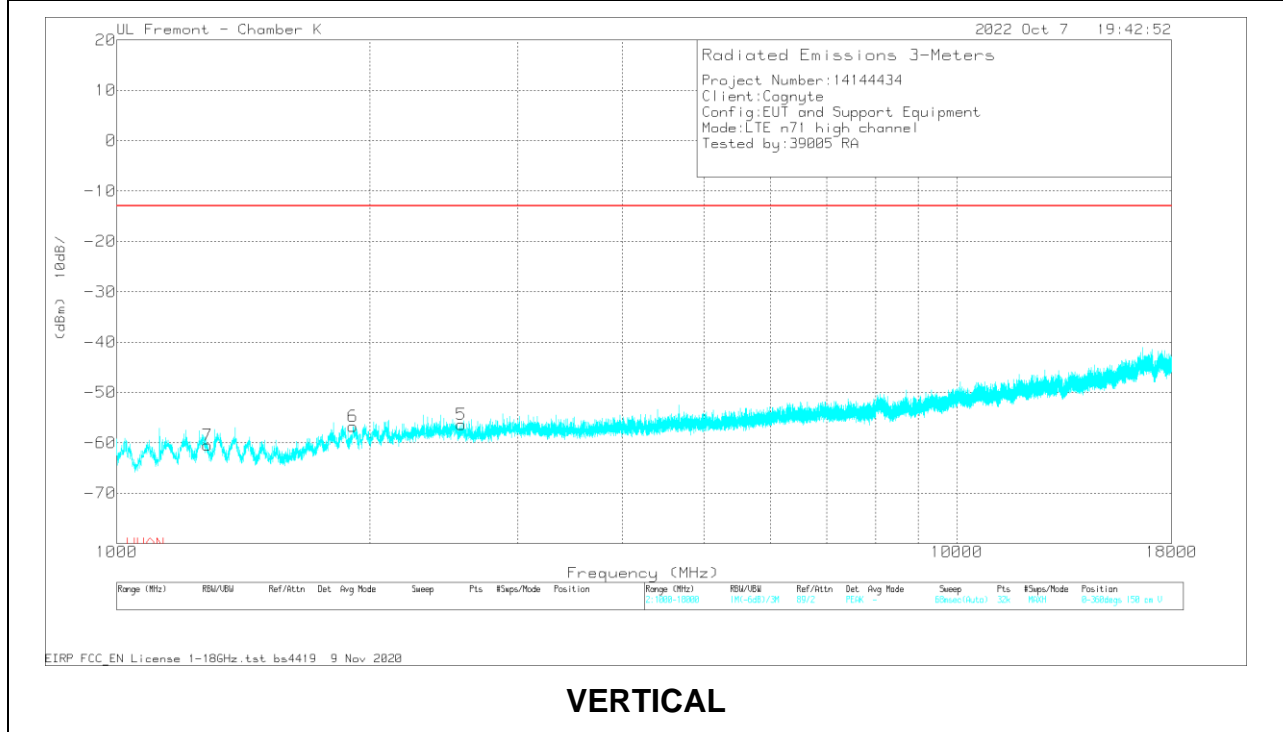
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80402 ACF(dB) - 3mH	Amp/Cbl (dB)	EIRP CF	Corrected Reading (dBm)	WWAN	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1124.313	59.9	Pk	28.1	-47	-95.2	-54.2	-13	-41.2	0-360	150	H
2	1261.906	54.98	Pk	29	-46.7	-95.2	-57.92	-13	-44.92	0-360	150	H
3	1903.656	53.14	Pk	31.1	-45.9	-95.2	-56.86	-13	-43.86	0-360	150	H
4	2532.656	49.95	Pk	32.5	-44.4	-95.2	-57.15	-13	-44.15	0-360	150	H
5	2542.75	51.45	Pk	32.5	-44.5	-95.2	-55.75	-13	-42.75	0-360	150	V
6	1905.781	52.72	Pk	31.1	-46.1	-95.2	-57.48	-13	-44.48	0-360	150	V
7	1270.938	54.5	Pk	29.1	-46.7	-95.2	-58.3	-13	-45.3	0-360	150	V

Pk - Peak detector

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80402 ACF(dB) - 3mH	Amp/Cbl (dB)	EIRP CF	Corrected Reading (dBm)	WWAN	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1124.313	58.39	Pk	28.1	-47	-95.2	-55.71	-13	-42.71	0-360	150	H
2	1282.359	52.72	Pk	29.2	-46.6	-95.2	-59.88	-13	-46.88	0-360	150	H
3	1923.844	53.37	Pk	31.2	-45.9	-95.2	-56.53	-13	-43.53	0-360	150	H
4	2568.25	51.48	Pk	32.2	-44.2	-95.2	-55.72	-13	-42.72	0-360	150	H
5	2571.969	50.86	Pk	32.2	-44.2	-95.2	-56.34	-13	-43.34	0-360	150	V
6	1910.563	53.29	Pk	31.1	-45.9	-95.2	-56.71	-13	-43.71	0-360	150	V
7	1282.625	52.11	Pk	29.2	-46.6	-95.2	-60.49	-13	-47.49	0-360	150	V

Pk - Peak detector