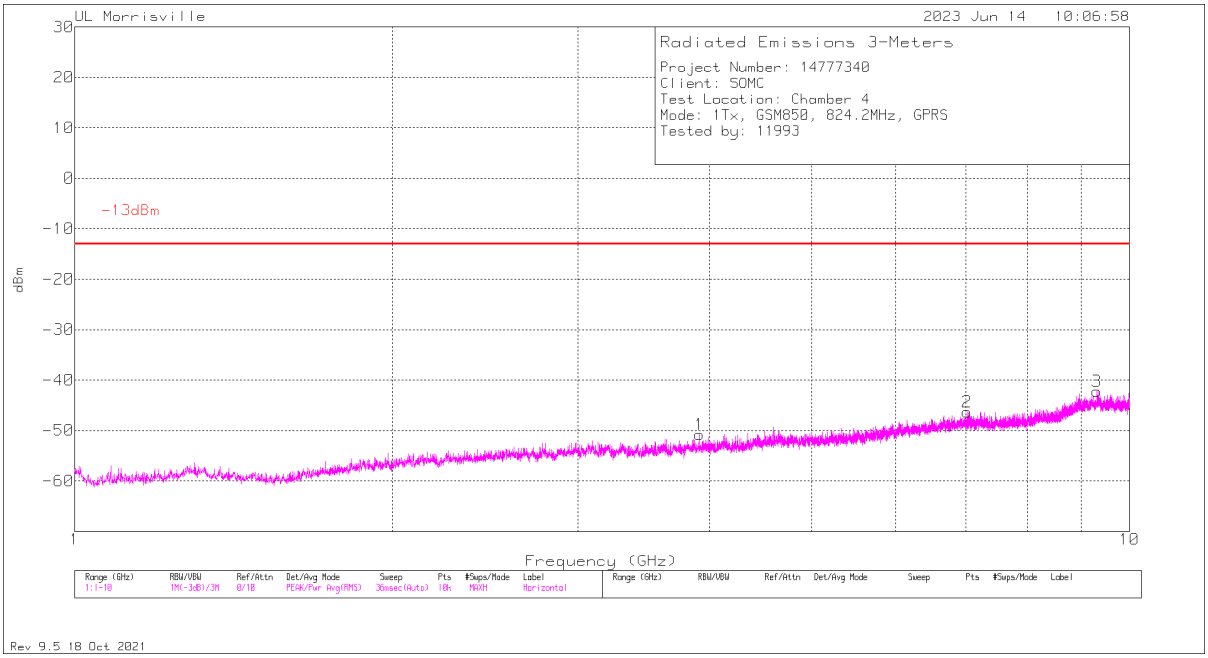
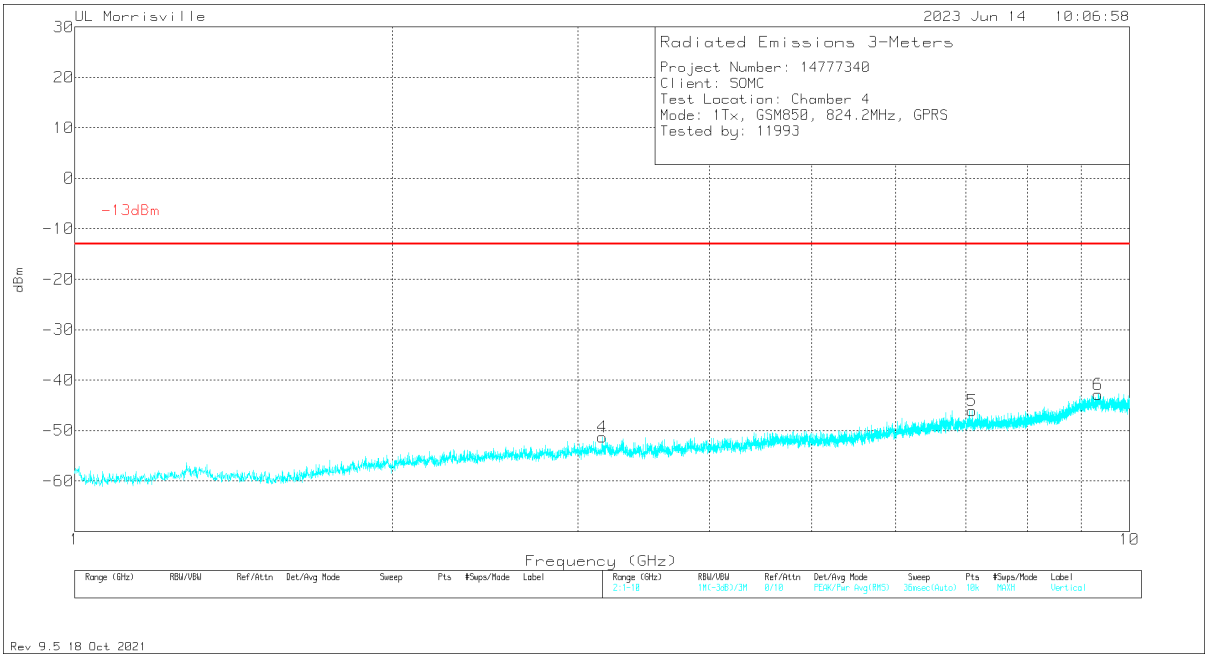
GPRS Low Channel

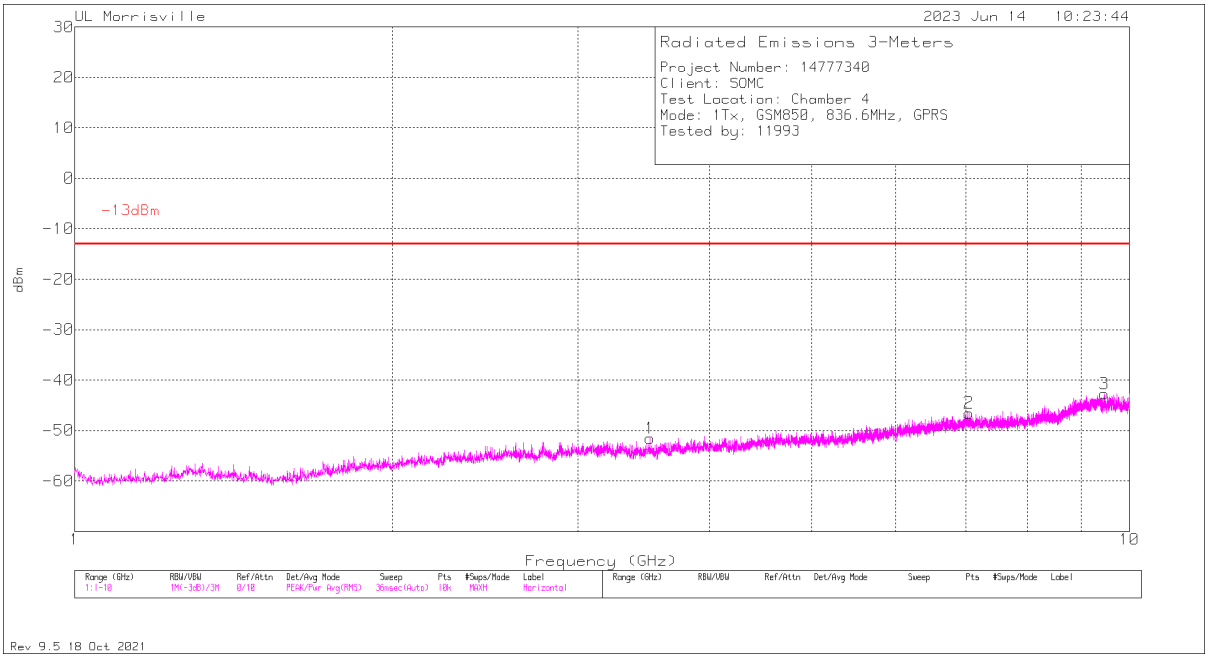


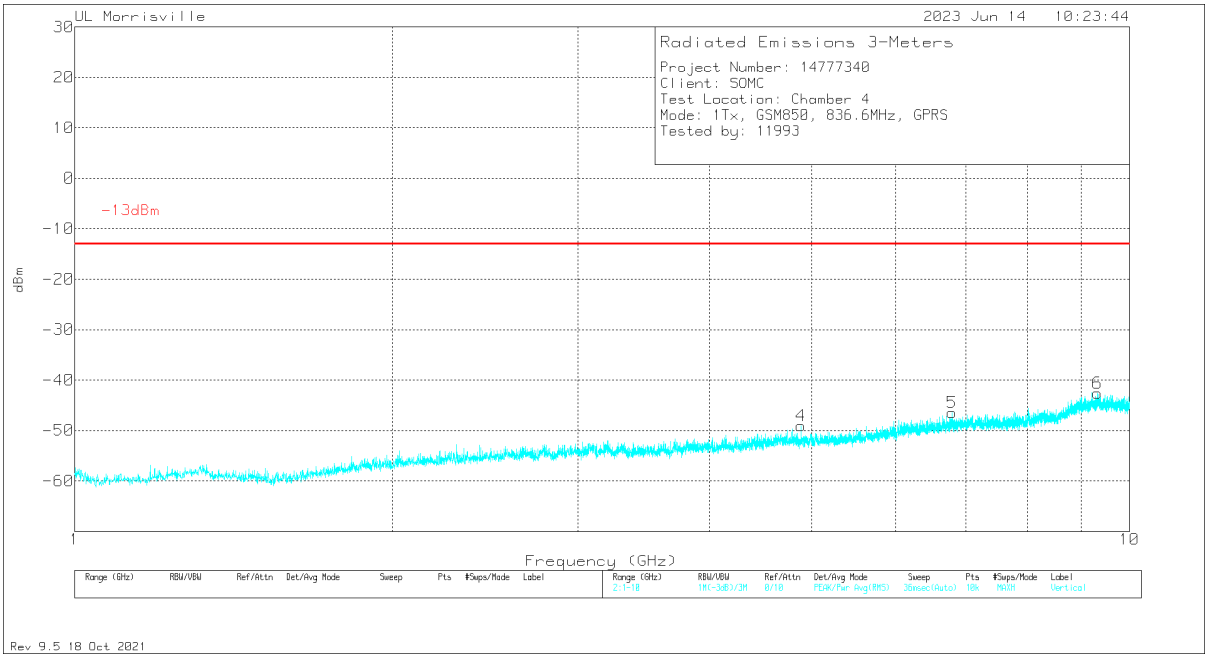


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Filter (dB)	CF (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	3.1627	-61.34	Pk	32.9	-35.3	.6	11.8	-51.34	-13	-38.34	0-360	300	V
1	3.9133	-62.75	Pk	33.3	-33.4	.3	11.8	-50.75	-13	-37.75	0-360	100	H
2	7.0138	-65.89	Pk	35.5	-28.3	.6	11.8	-46.29	-13	-33.29	0-360	100	H
5	7.093	-65.67	Pk	35.6	-28.5	.7	11.8	-46.07	-13	-33.07	0-360	300	V
3	9.3133	-65.57	Pk	36.4	-25.9	1.1	11.8	-42.17	-13	-29.17	0-360	100	H
6	9.3403	-66.48	Pk	36.5	-26	1.3	11.8	-42.88	-13	-29.88	0-360	300	V

Pk - Peak detector

GPRS Mid channel

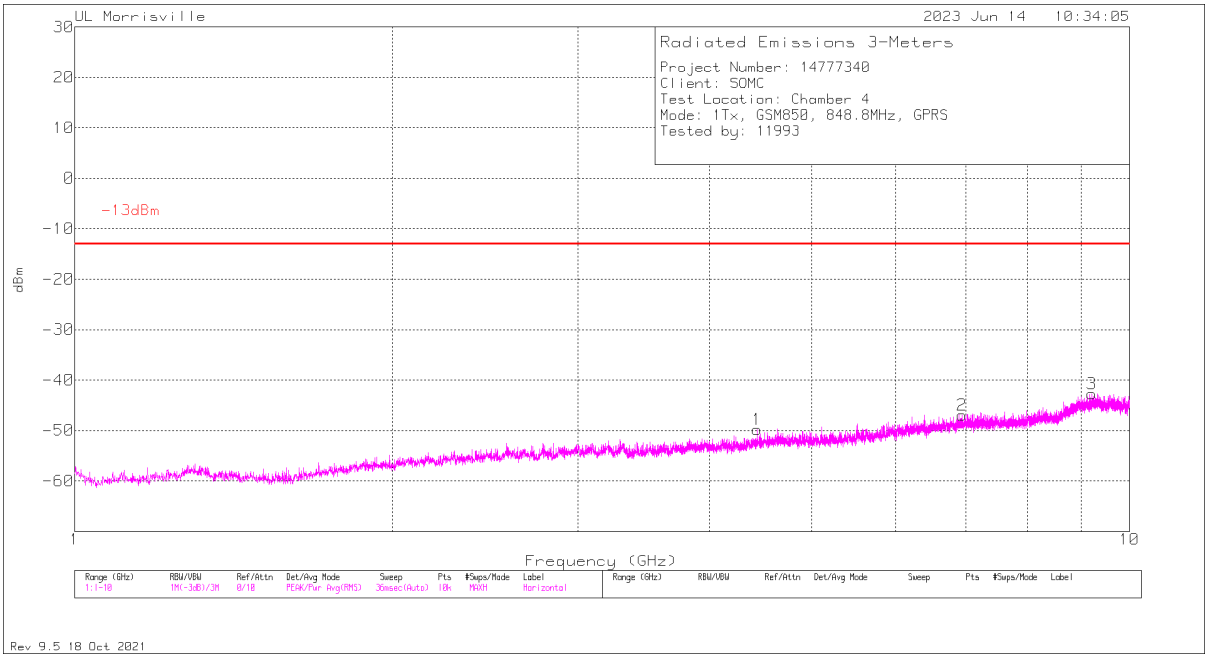


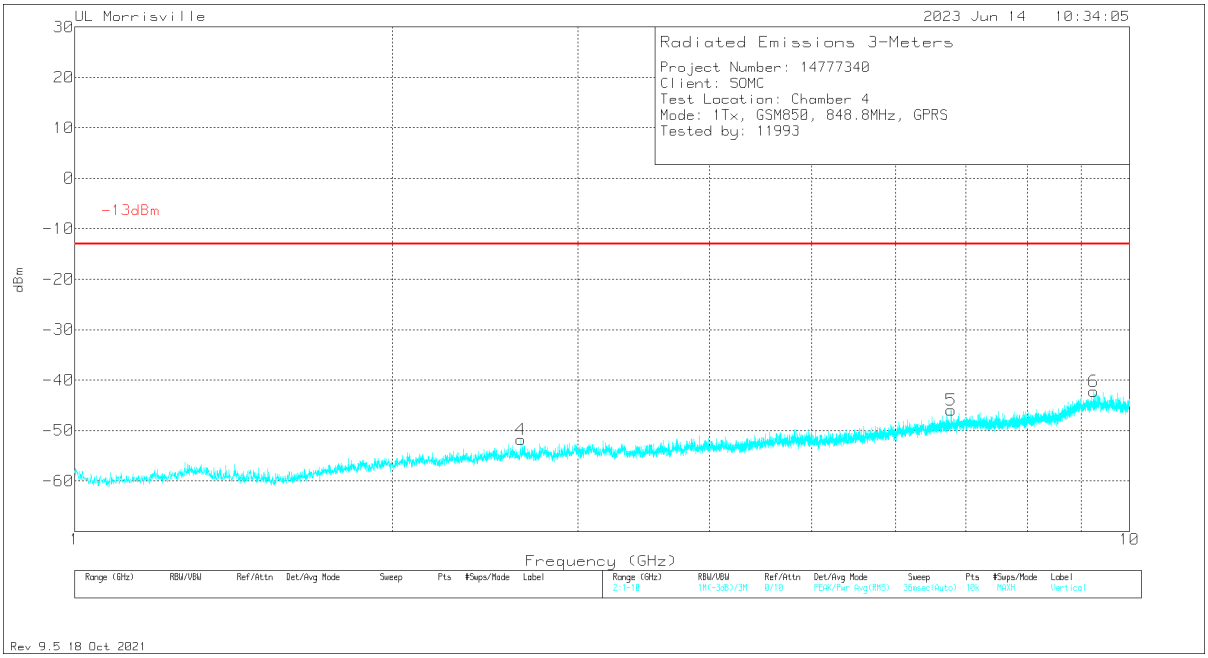


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Filter (dB)	CF (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	3.511	-61.95	Pk	32.9	-34.6	.3	11.8	-51.55	-13	-38.55	0-360	100	H
4	4.8835	-63.11	Pk	34	-32	.3	11.8	-49.01	-13	-36.01	0-360	300	V
5	6.7852	-65.57	Pk	35.4	-28.7	.6	11.8	-46.47	-13	-33.47	0-360	200	V
2	7.0489	-66.21	Pk	35.6	-28.4	.7	11.8	-46.51	-13	-33.51	0-360	200	H
6	9.3286	-66.16	Pk	36.5	-25.9	1.2	11.8	-42.56	-13	-29.56	0-360	300	V
3	9.4654	-66.62	Pk	36.7	-25.9	1.3	11.8	-42.72	-13	-29.72	0-360	100	H

Pk - Peak detector

GPRS High Channel





Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Filter (dB)	CF (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	2.6479	-60.64	Pk	32.4	-35.8	.5	11.8	-51.74	-13	-38.74	0-360	300	V
1	4.4371	-63.57	Pk	33.7	-32	.3	11.8	-49.77	-13	-36.77	0-360	100	H
5	6.7753	-64.95	Pk	35.4	-28.8	.6	11.8	-45.95	-13	-32.95	0-360	300	V
2	6.9409	-66.41	Pk	35.5	-28.4	.6	11.8	-46.91	-13	-33.91	0-360	200	H
3	9.217	-66.08	Pk	36.4	-26	1.2	11.8	-42.68	-13	-29.68	0-360	100	H
6	9.2512	-65.34	Pk	36.4	-26.1	1	11.8	-42.24	-13	-29.24	0-360	200	V

Pk - Peak detector

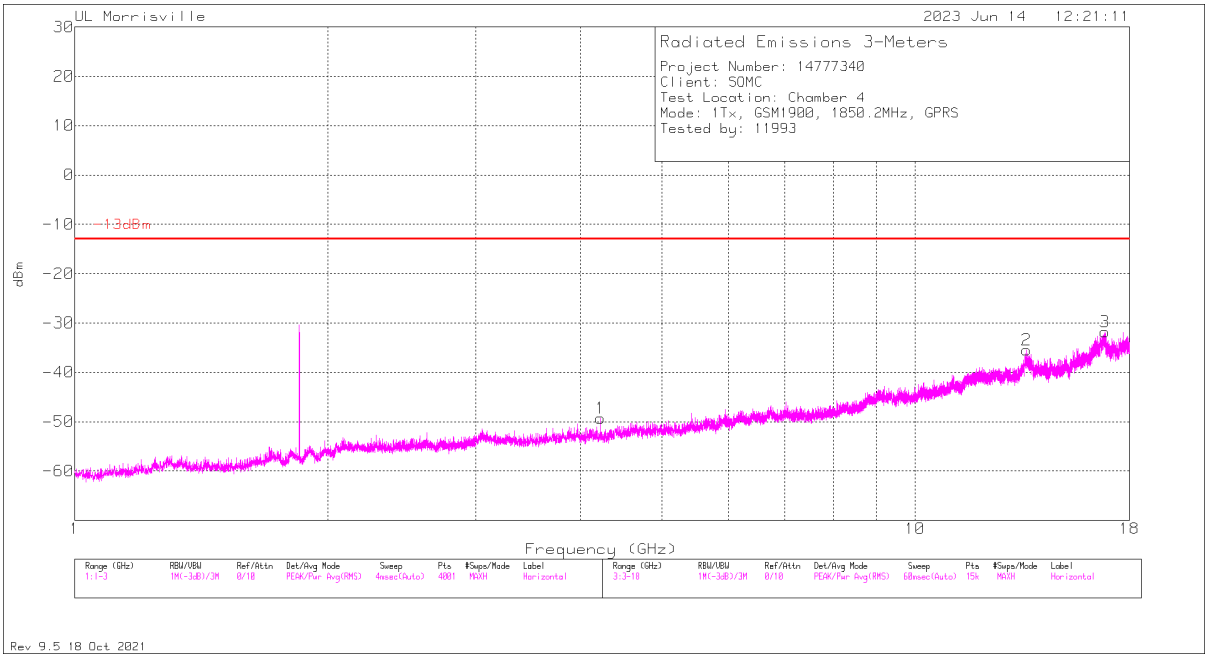
10.1.2. GSM1900

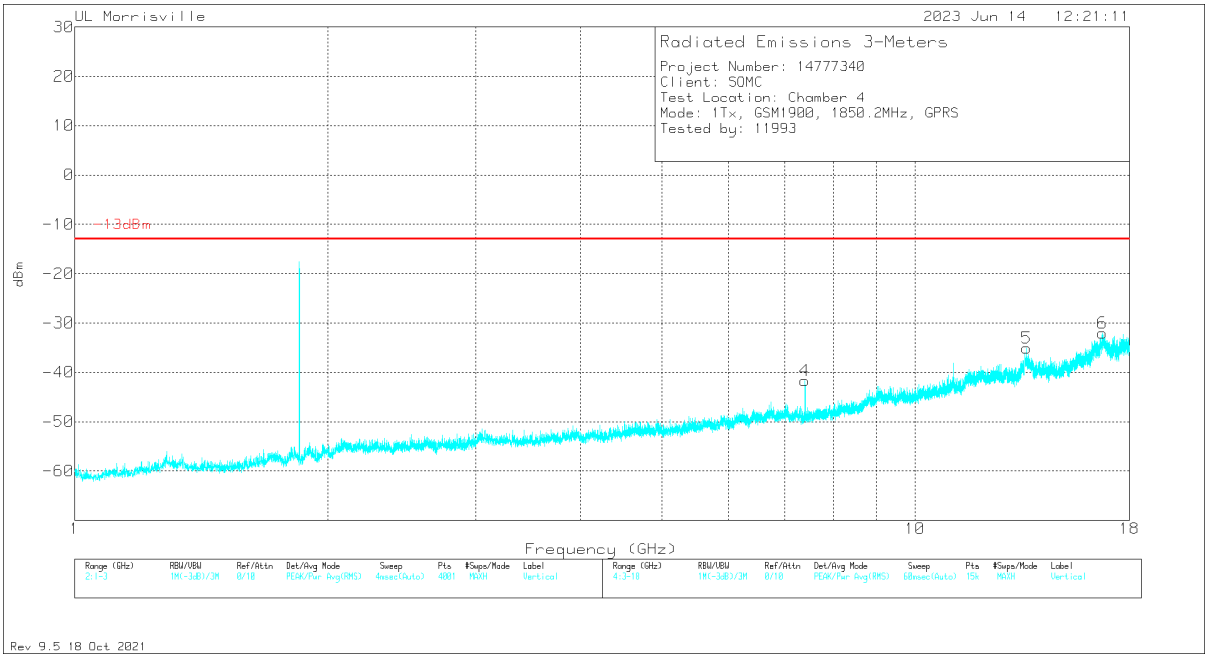
LIMITS

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.

EUT Serial Number: QV77007DHJ

GPRS Low Channel

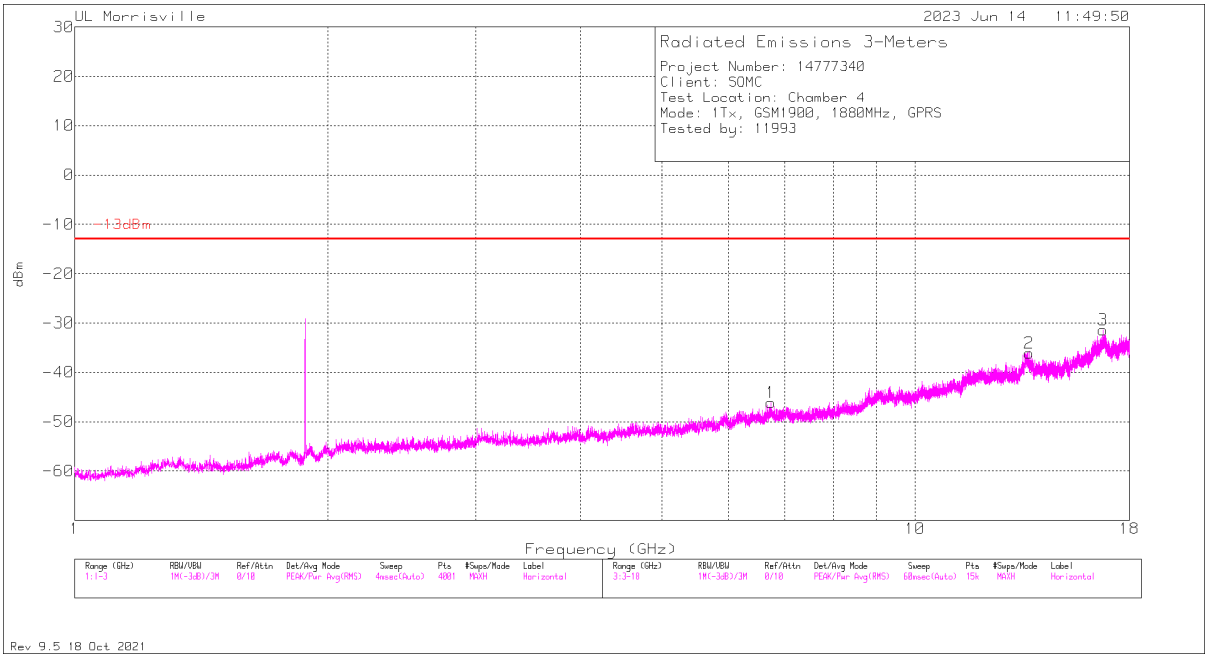


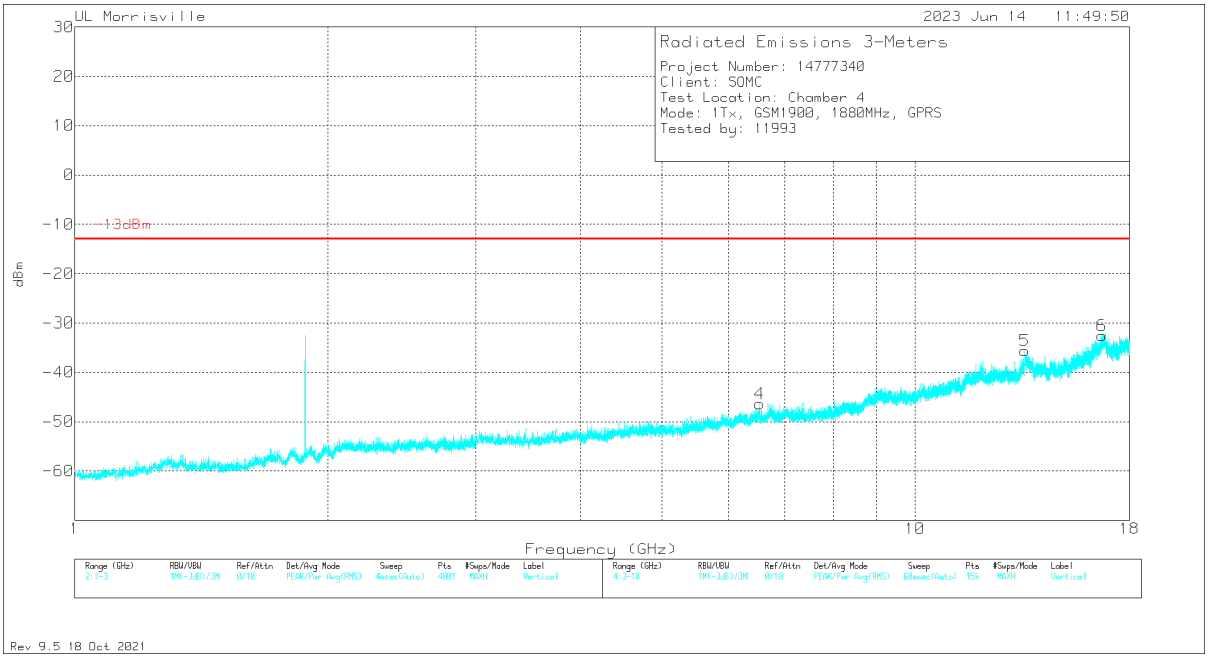


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	4.226	-62.89	Pk	33.4	-31.6	11.8	0	-49.29	-13	-36.29	0-360	100	H
4	7.4	-61.41	Pk	35.6	-27.7	11.8	0	-41.71	-13	-28.71	0-360	200	V
2	13.571	-63.92	Pk	38.8	-22.2	11.8	0	-35.52	-13	-22.52	0-360	100	H
5	13.579	-63.63	Pk	38.7	-21.9	11.8	0	-35.03	-13	-22.03	0-360	300	V
6	16.719	-65.7	Pk	41.8	-19.9	11.8	0	-32	-13	-19	0-360	300	V
3	16.836	-66.02	Pk	41.9	-19.5	11.8	0	-31.82	-13	-18.82	0-360	100	H

Pk - Peak detector

GPRS Mid Channel

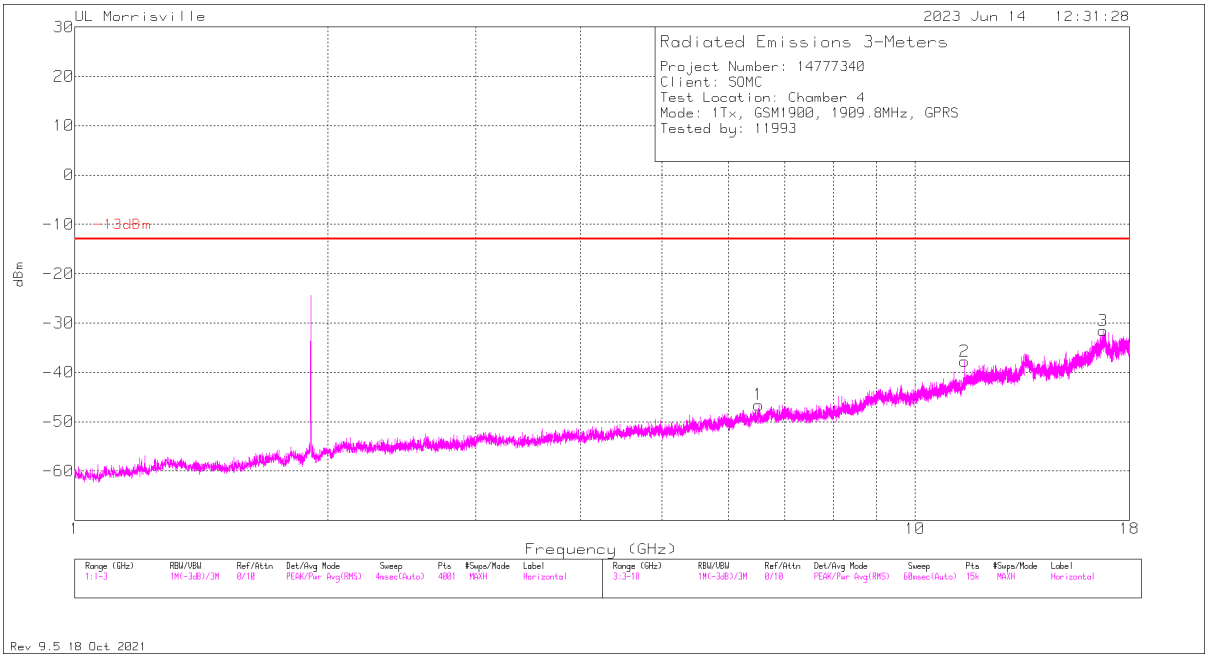


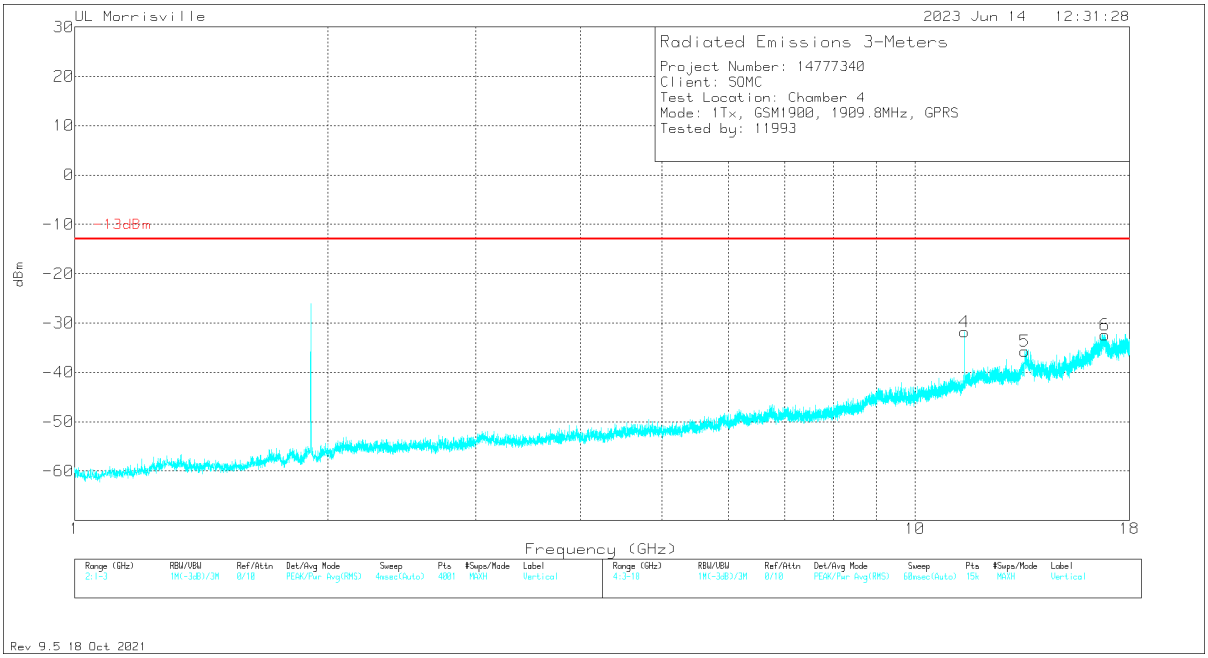


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	6.536	-65.86	Pk	35.5	-27.8	11.8	0	-46.36	-13	-33.36	0-360	300	V
1	6.737	-66.34	Pk	35.5	-27.1	11.8	0	-46.14	-13	-33.14	0-360	200	H
5	13.509	-64.45	Pk	38.8	-21.7	11.8	0	-35.55	-13	-22.55	0-360	300	V
2	13.665	-64.39	Pk	38.6	-22.1	11.8	0	-36.09	-13	-23.09	0-360	100	H
6	16.675	-66.21	Pk	41.8	-19.9	11.8	0	-32.51	-13	-19.51	0-360	200	V
3	16.737	-65.21	Pk	41.9	-19.9	11.8	0	-31.41	-13	-18.41	0-360	200	H

Pk - Peak detector

GPRS High Channel





Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	6.517	-66.07	Pk	35.5	-27.8	11.8	0	-46.57	-13	-33.57	0-360	100	H
4	11.4585	-58.35	Pk	38.1	-23.3	11.8	0	-31.75	-13	-18.75	0-360	200	V
2	11.459	-64.24	Pk	38.1	-23.4	11.8	0	-37.74	-13	-24.74	0-360	100	H
5	13.5	-64.39	Pk	38.8	-21.9	11.8	0	-35.69	-13	-22.69	0-360	300	V
3	16.749	-65.76	Pk	41.9	-19.5	11.8	0	-31.56	-13	-18.56	0-360	200	H
6	16.819	-67.26	Pk	41.9	-18.8	11.8	0	-32.36	-13	-19.36	0-360	300	V

Pk - Peak detector

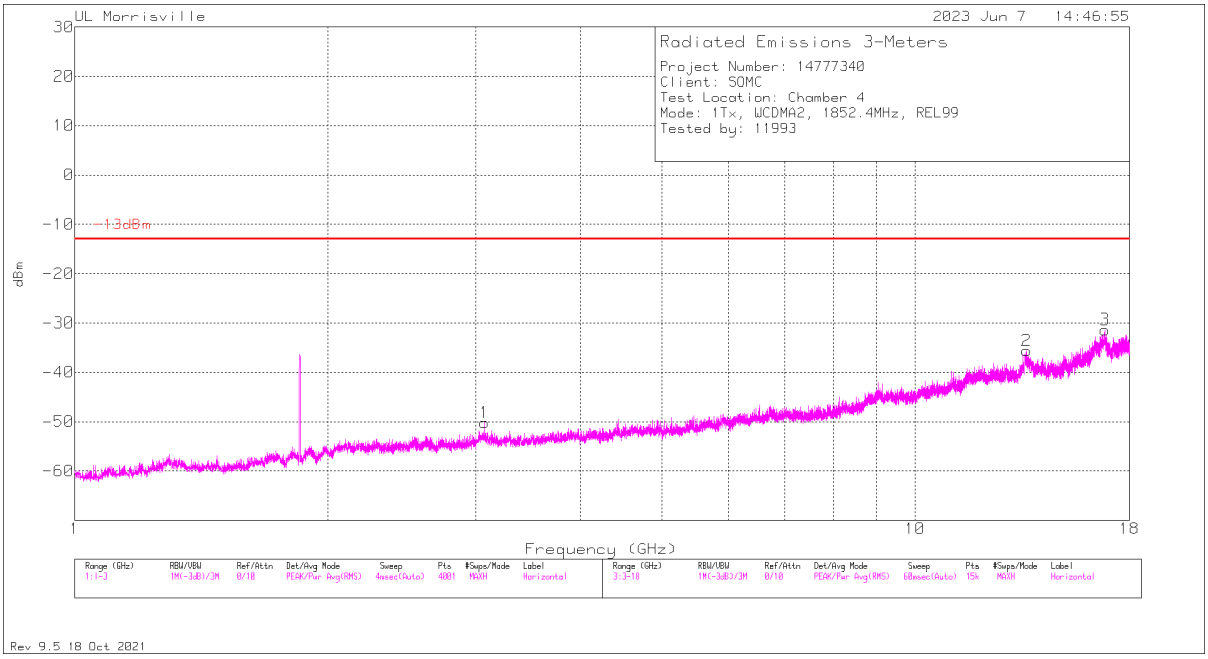
10.1.3. WCDMA2

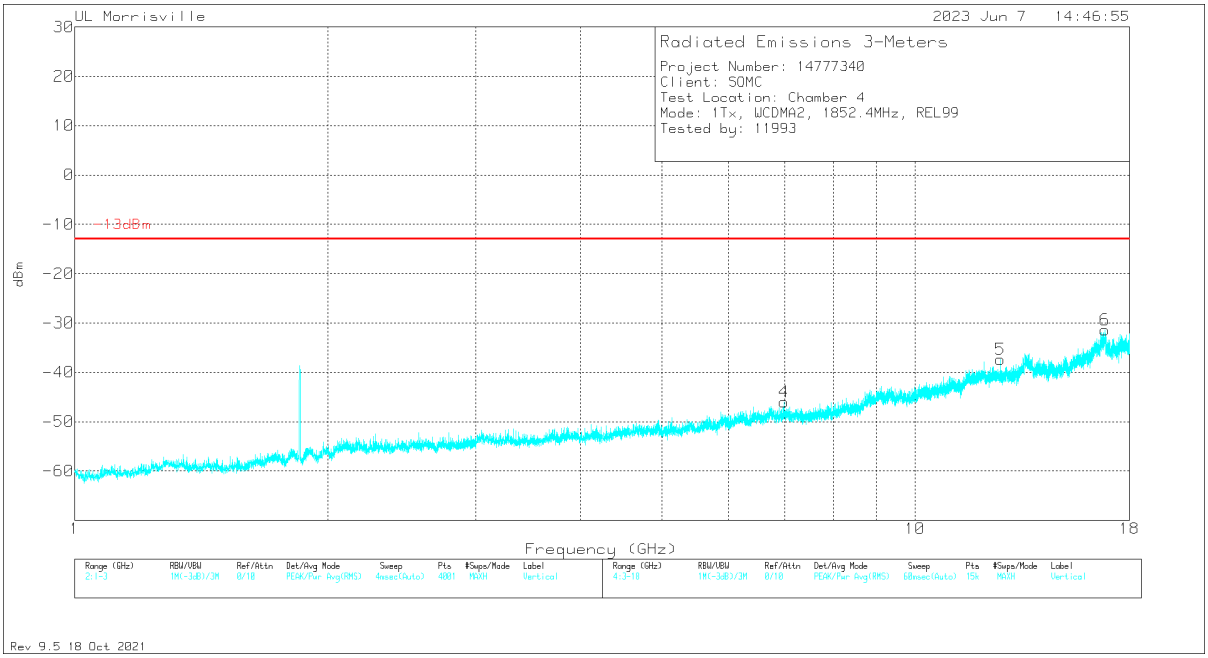
LIMITS

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.

EUT Serial Number: QV77007DHJ

REL 99 Low Channel

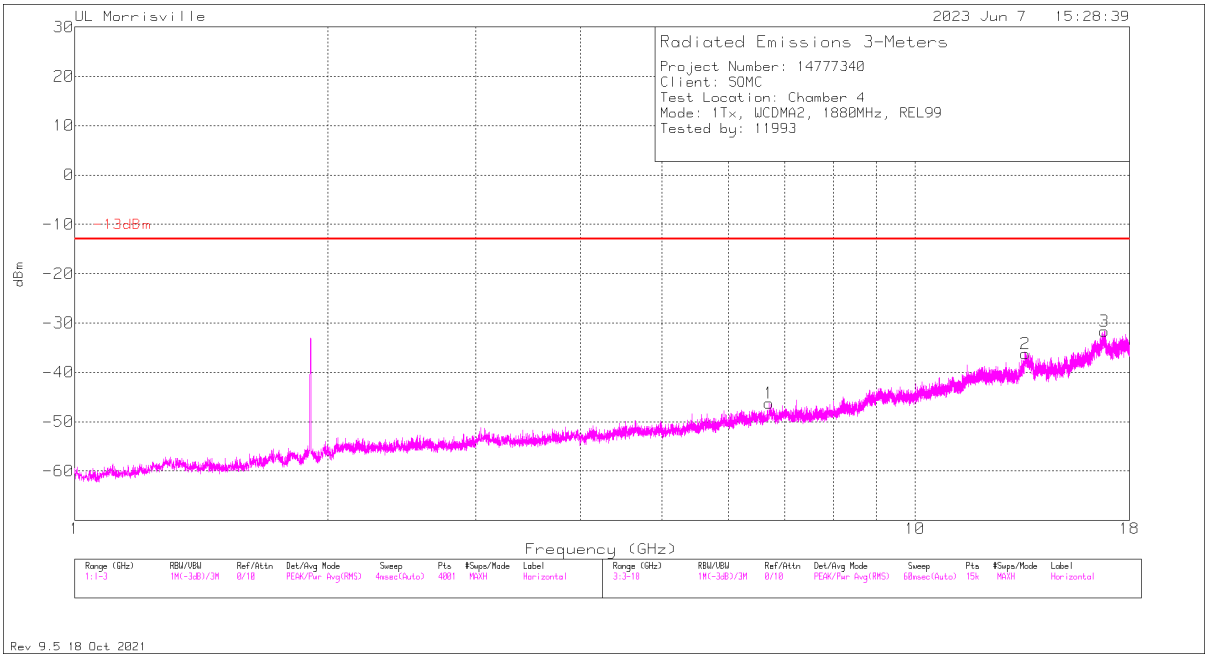


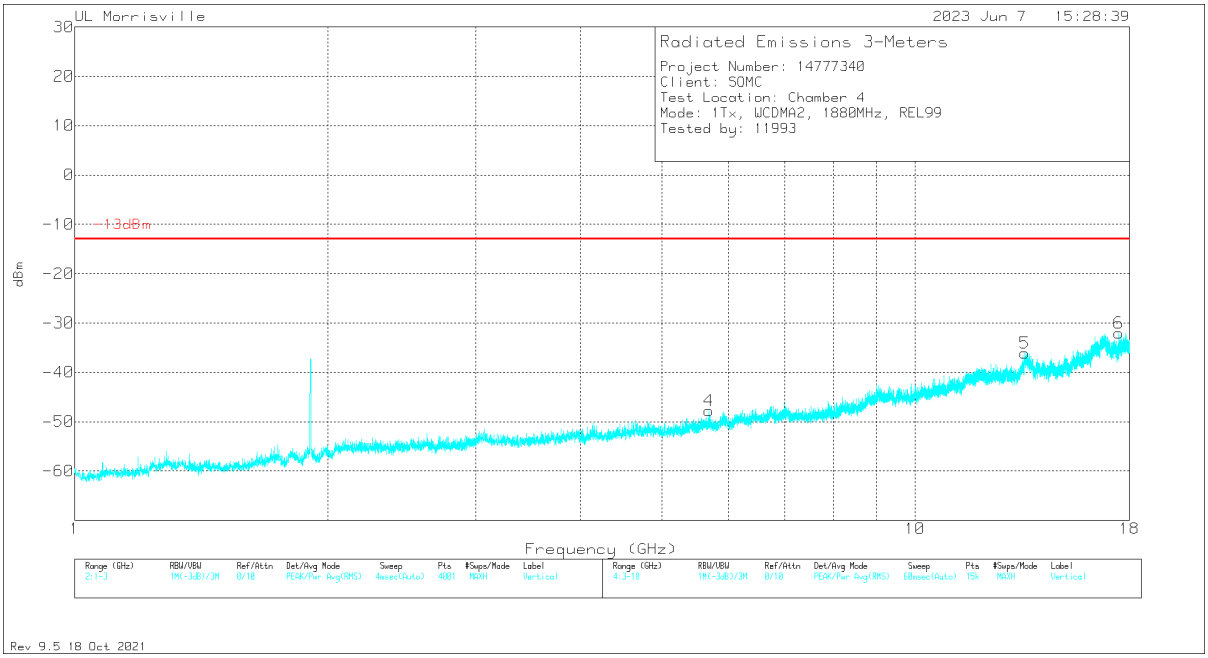


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	3.074	-60.83	Pk	33.1	-34.3	11.8	0	-50.23	-13	-37.23	0-360	100	H
4	6.981	-65.73	Pk	35.5	-27.6	11.8	0	-46.03	-13	-33.03	0-360	300	V
5	12.636	-65.55	Pk	39.1	-22.7	11.8	0	-37.35	-13	-24.35	0-360	300	V
2	13.578	-64.45	Pk	38.7	-21.6	11.8	0	-35.55	-13	-22.55	0-360	100	H
3	16.823	-66.14	Pk	41.9	-18.9	11.8	0	-31.34	-13	-18.34	0-360	100	H
6	16.823	-66.22	Pk	41.9	-18.9	11.8	0	-31.42	-13	-18.42	0-360	300	V

Pk - Peak detector

REL 99 Mid Channel

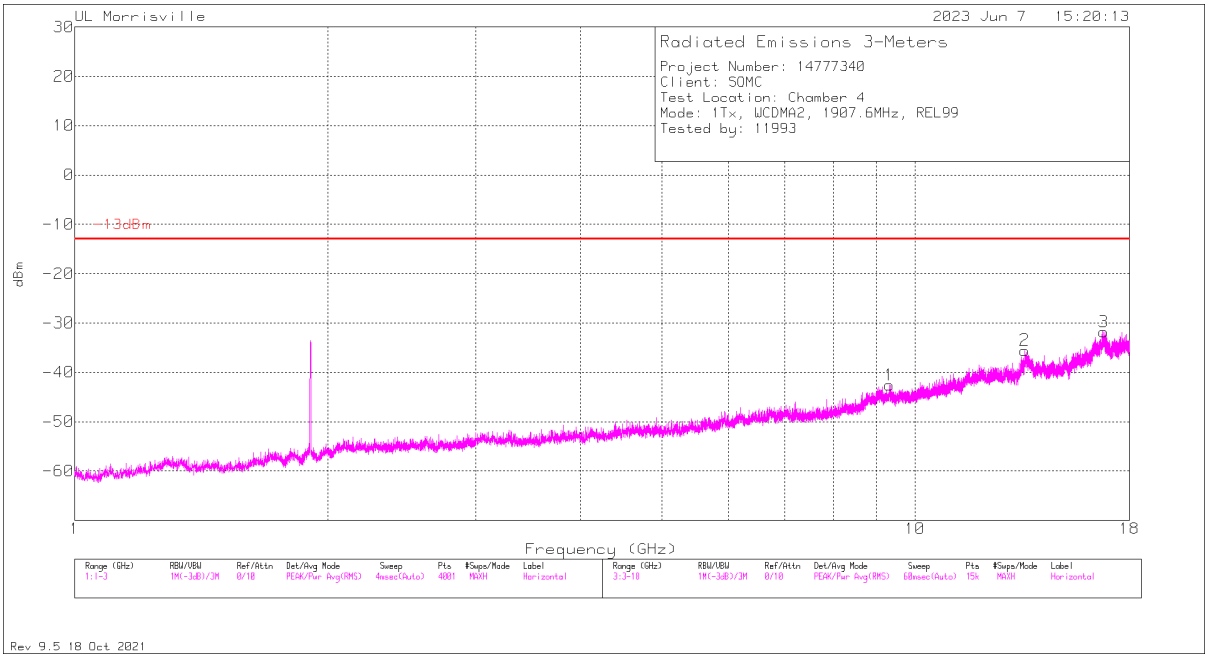


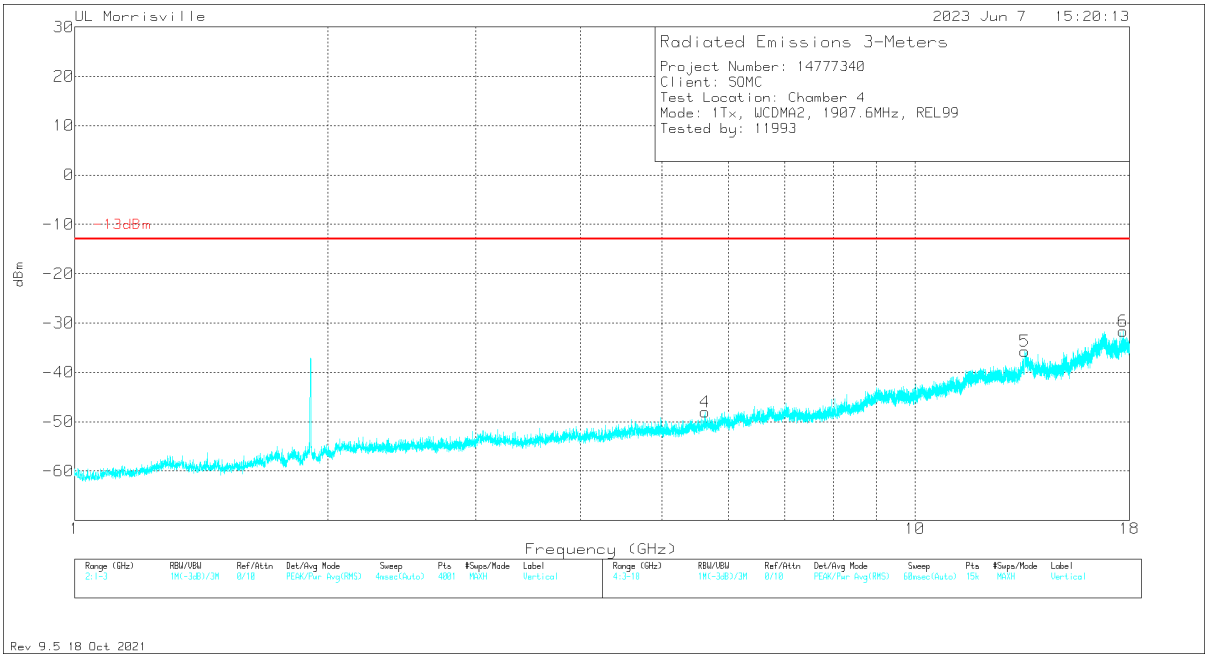


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	5.685	-64.94	Pk	34.7	-29.3	11.8	0	-47.74	-13	-34.74	0-360	200	V
1	6.706	-66.07	Pk	35.4	-27.4	11.8	0	-46.27	-13	-33.27	0-360	100	H
5	13.521	-65.09	Pk	38.8	-21.6	11.8	0	-36.09	-13	-23.09	0-360	200	V
2	13.539	-64.38	Pk	38.8	-22.4	11.8	0	-36.18	-13	-23.18	0-360	100	H
3	16.803	-66.37	Pk	41.9	-19	11.8	0	-31.67	-13	-18.67	0-360	200	H
6	17.477	-66.08	Pk	41.3	-19.1	11.8	0	-32.08	-13	-19.08	0-360	300	V

Pk - Peak detector

REL 99 High Channel





Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	5.631	-64.42	Pk	34.7	-30.1	11.8	0	-48.02	-13	-35.02	0-360	200	V
1	9.325	-65.92	Pk	36.5	-25	11.8	0	-42.62	-13	-29.62	0-360	100	H
2	13.516	-64.43	Pk	38.8	-21.7	11.8	0	-35.53	-13	-22.53	0-360	100	H
5	13.522	-64.81	Pk	38.8	-21.5	11.8	0	-35.71	-13	-22.71	0-360	300	V
3	16.768	-65.73	Pk	41.9	-19.8	11.8	0	-31.83	-13	-18.83	0-360	200	H
6	17.69	-66.31	Pk	41.4	-18.6	11.8	0	-31.71	-13	-18.71	0-360	200	V

Pk - Peak detector

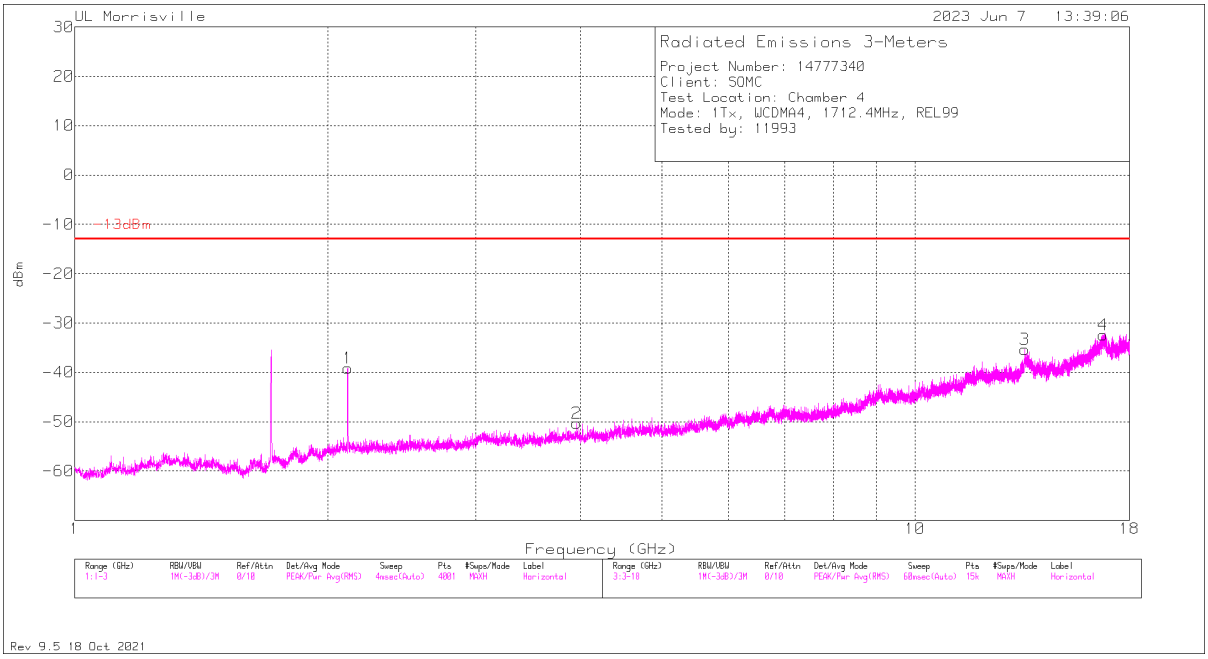
10.1.4. WCDMA4

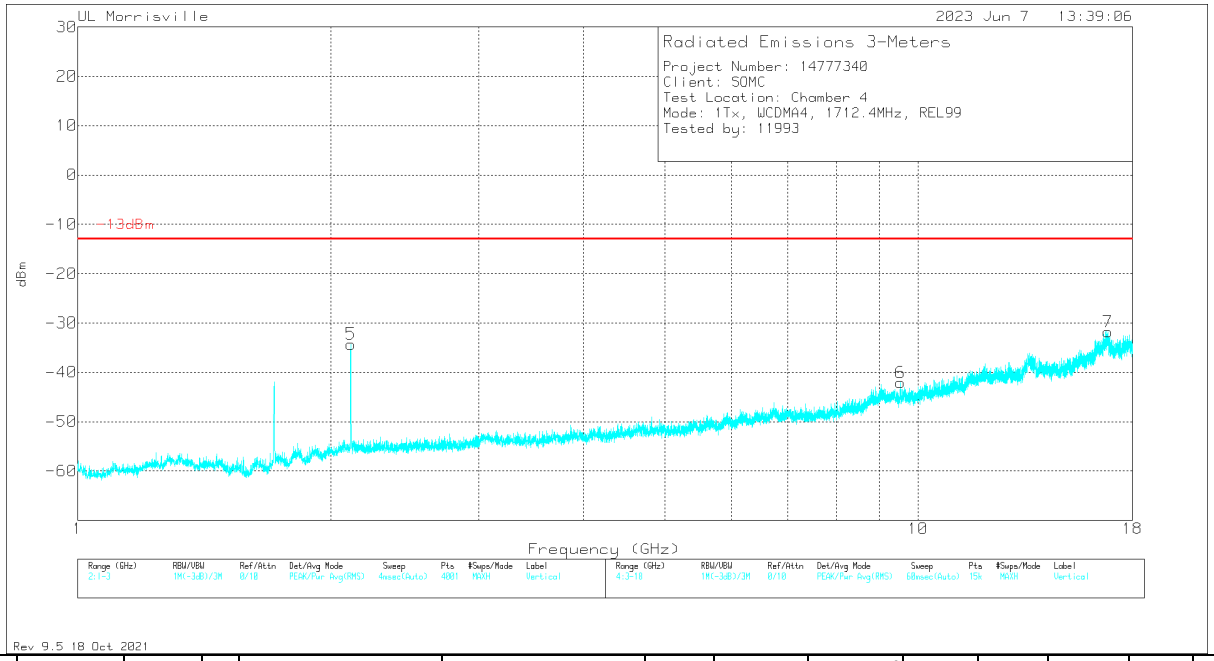
LIMITS

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.

EUT Serial Number: QV77007DHJ

REL 99 Low Channel

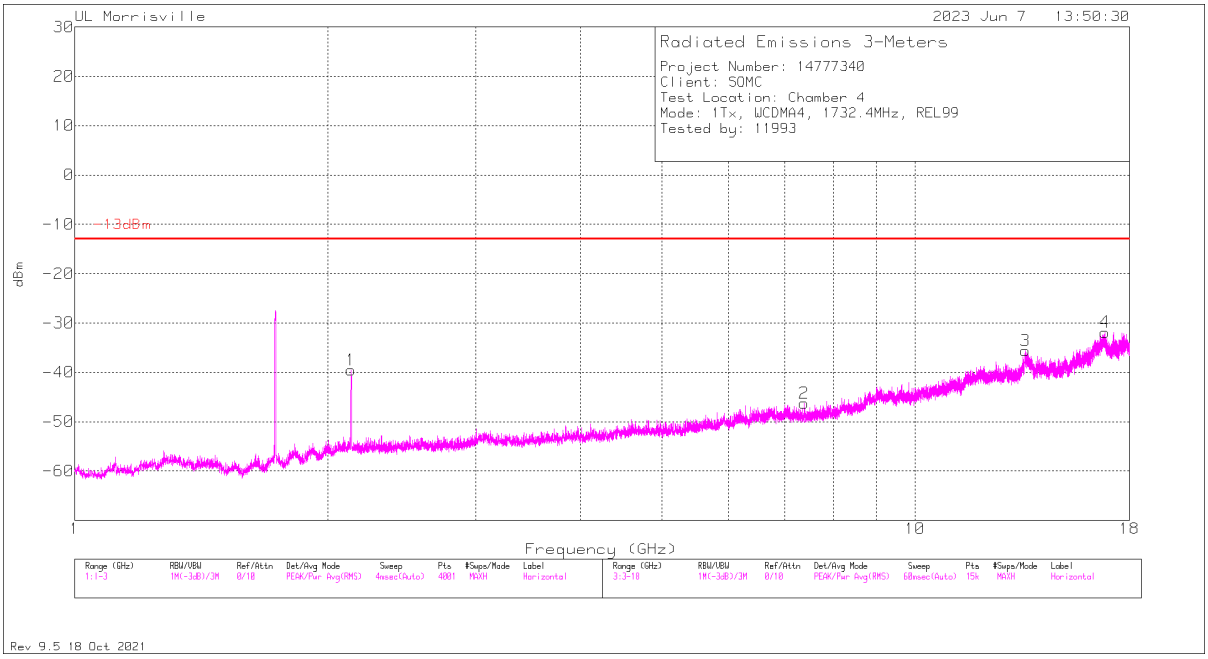


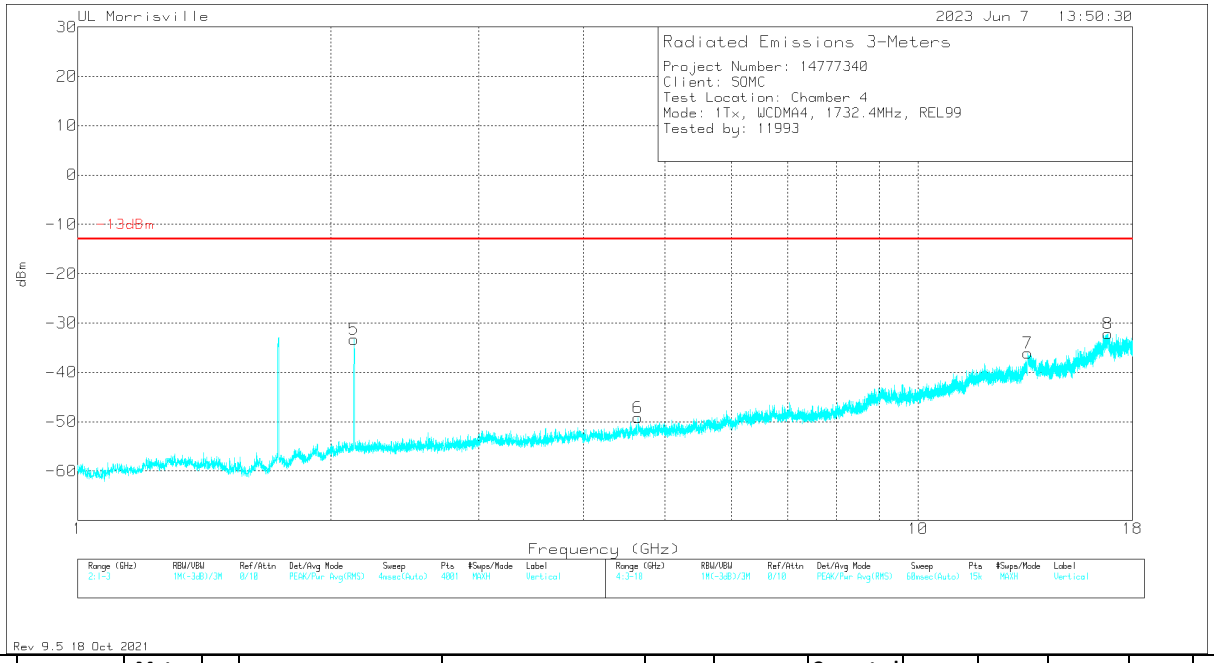


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	3.958	-63.62	Pk	33.4	-31.9	11.8	0	-50.32	-13	-37.32	0-360	200	H
6	9.536	-65.45	Pk	36.7	-25.1	11.8	0	-42.05	-13	-29.05	0-360	300	V
3	13.507	-64.17	Pk	38.8	-21.8	11.8	0	-35.37	-13	-22.37	0-360	100	H
4	16.754	-66.59	Pk	41.9	-19.5	11.8	0	-32.39	-13	-19.39	0-360	200	H
7	16.82	-66.94	Pk	41.9	-18.5	11.8	0	-31.74	-13	-18.74	0-360	300	V
1	2.1135 (DL)	-47.67	Pk	31.6	-36.1	11.8	1.2	-39.17	-	-	0-360	200	H
5	2.114 (DL)	-42.76	Pk	31.6	-36.1	11.8	1.2	-34.26	-	-	0-360	300	V

Pk - Peak detector
DL - Downlink

REL 99 Mid Channel

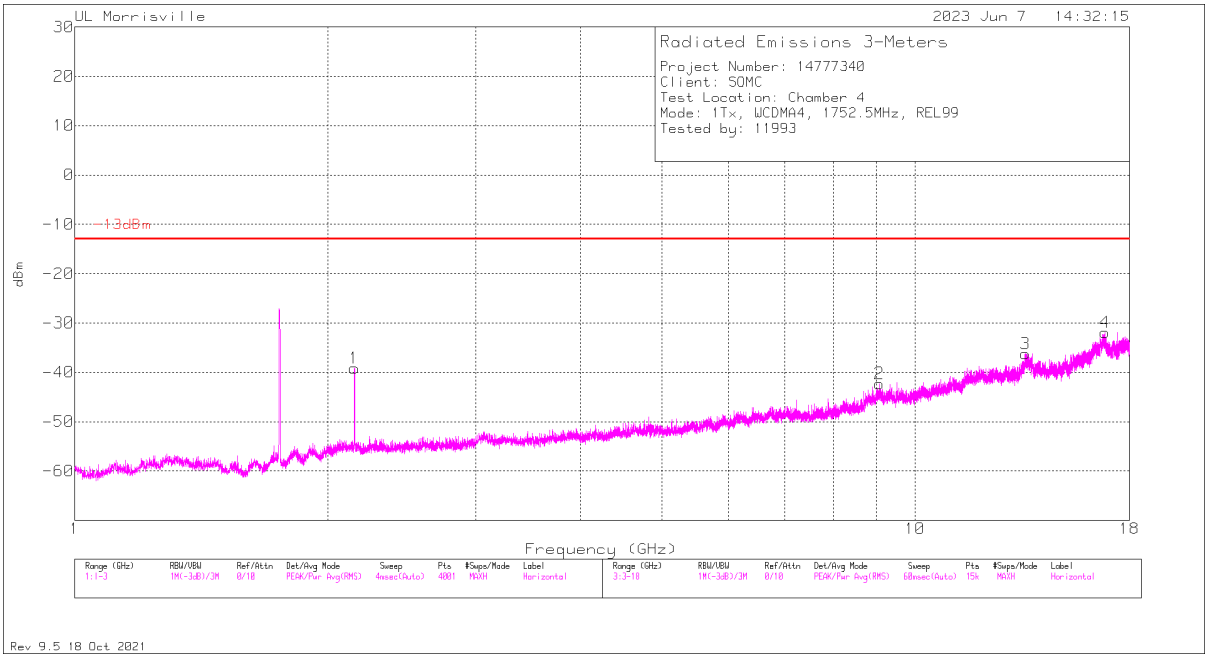


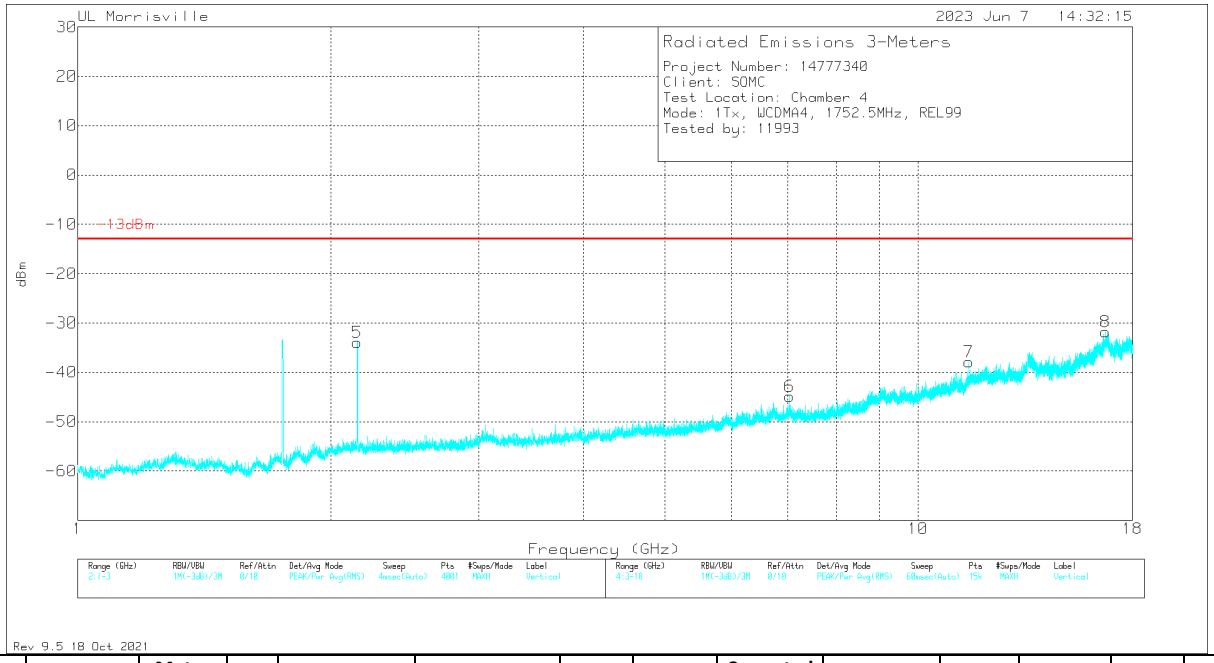


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
6	4.644	-63.74	Pk	34.1	-31.3	11.8	0	-49.14	-13	-36.14	0-360	300	V
2	7.387	-65.53	Pk	35.6	-28.1	11.8	0	-46.23	-13	-33.23	0-360	100	H
7	13.521	-65.13	Pk	38.8	-21.6	11.8	0	-36.13	-13	-23.13	0-360	200	V
3	13.526	-63.9	Pk	38.8	-22.3	11.8	0	-35.6	-13	-22.6	0-360	100	H
8	16.823	-66.91	Pk	41.9	-18.9	11.8	0	-32.11	-13	-19.11	0-360	300	V
4	16.829	-66.15	Pk	41.9	-19.4	11.8	0	-31.85	-13	-18.85	0-360	100	H
1	2.133 (DL)	-47.96	Pk	31.6	-36.2	11.8	1.2	-39.56	-	-	0-360	100	H
5	2.1335 (DL)	-41.69	Pk	31.6	-36.2	11.8	1.2	-33.29	-	-	0-360	300	V

Pk - Peak detector DL – Downlink from Callbox

REL 99 High Channel





Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
6	7.033	-64.79	Pk	35.6	-27.5	11.8	0	-44.89	-13	-31.89	0-360	200	V
2	9.067	-65.56	Pk	36.2	-24.7	11.8	0	-42.26	-13	-29.26	0-360	100	H
7	11.498	-65.04	Pk	38.2	-22.8	11.8	0	-37.84	-13	-24.84	0-360	200	V
3	13.523	-65.35	Pk	38.8	-21.5	11.8	0	-36.25	-13	-23.25	0-360	100	H
8	16.73	-65.58	Pk	41.9	-19.9	11.8	0	-31.78	-13	-18.78	0-360	300	V
4	16.828	-66.19	Pk	41.9	-19.4	11.8	0	-31.89	-13	-18.89	0-360	100	H
5	2.1515 (DL)	-42.26	Pk	31.6	-36.2	11.8	1.1	-33.96	-	-	0-360	100	V
1	2.1525 (DL)	-47.41	Pk	31.6	-36.2	11.8	1.1	-39.11	-	-	0-360	300	H

Pk - Peak detector, DL – Downlink from Callbox

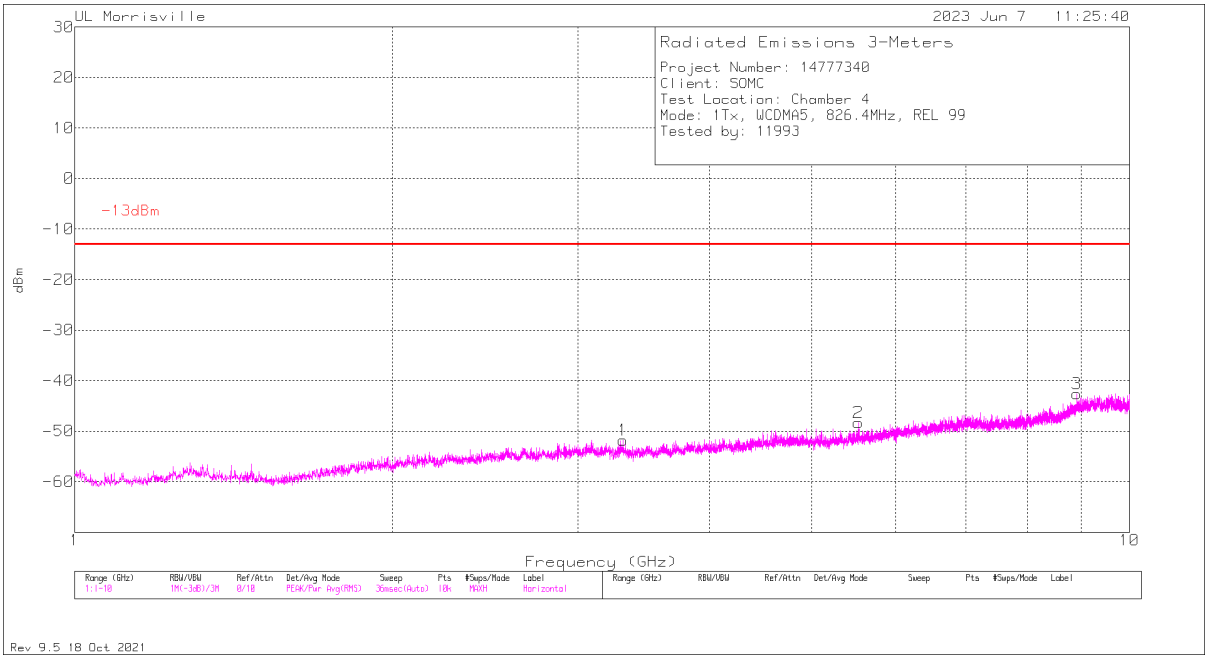
10.1.5. WCDMA5

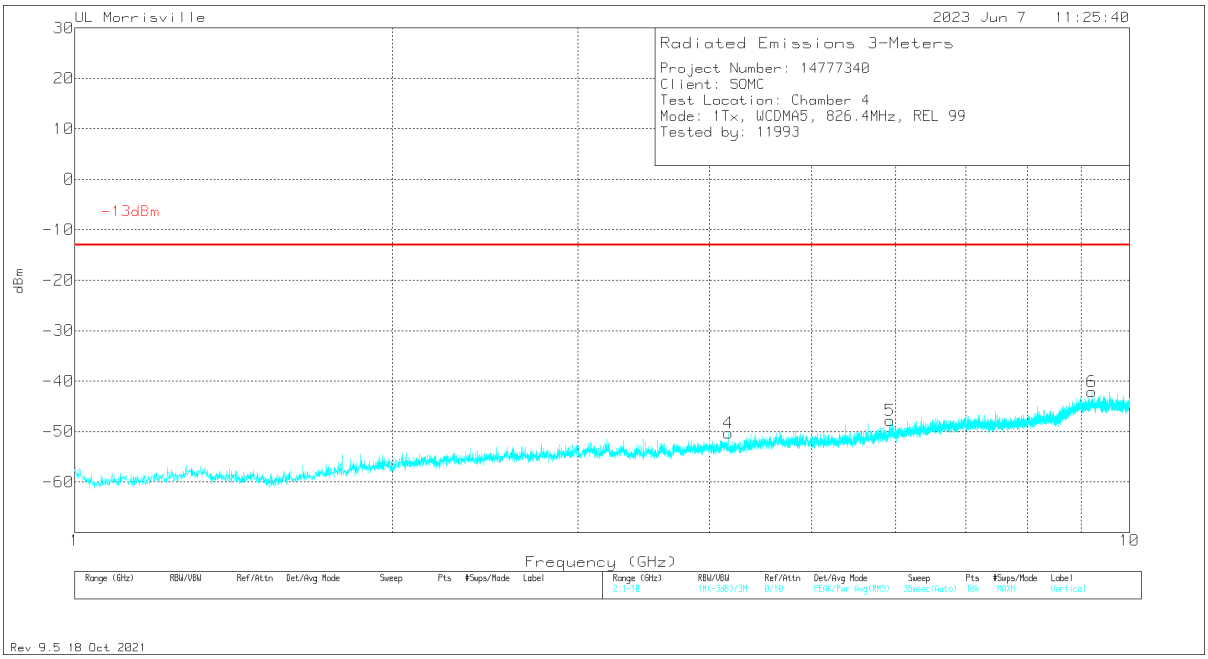
LIMITS

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.

EUT Serial Number: QV77007DHJ

REL 99 Low Channel

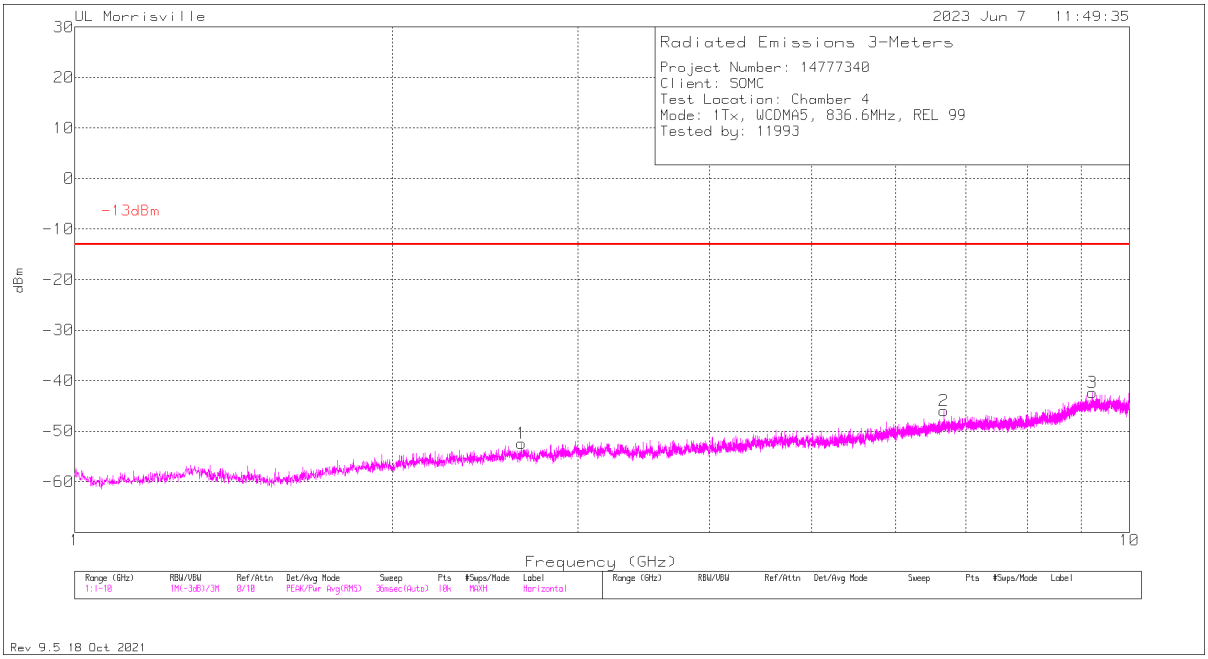


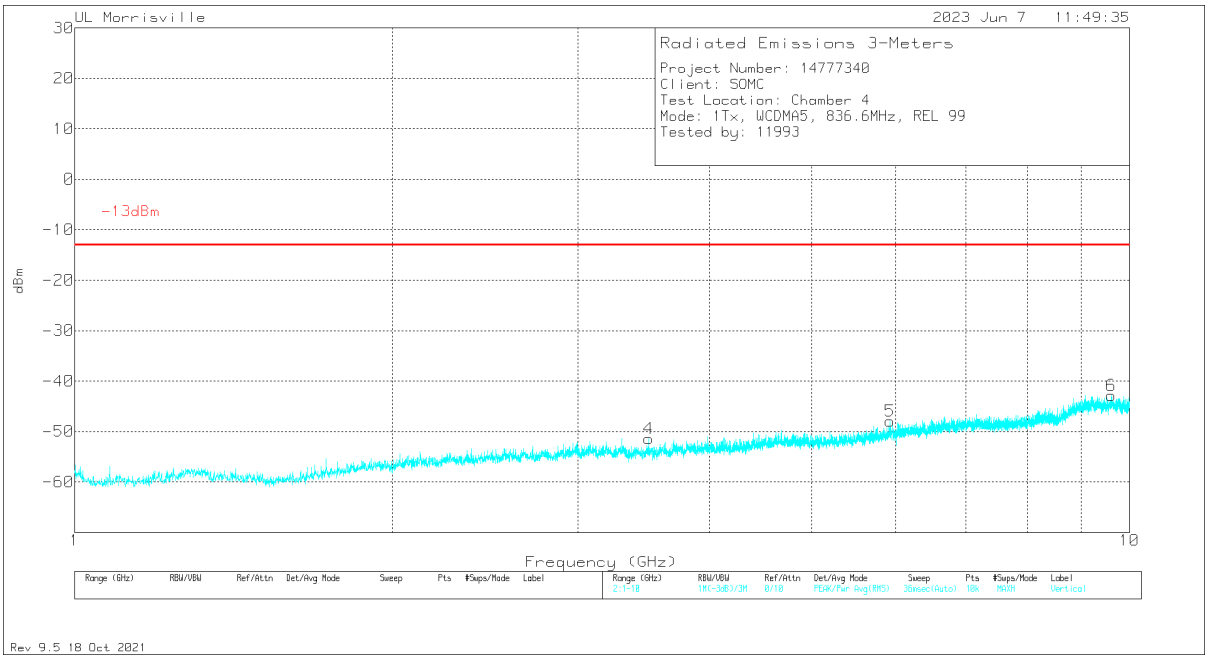


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Filter (dB)	CF (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	3.3121	-62.24	Pk	33	-35.1	.7	11.8	-51.84	-13	-38.84	0-360	100	H
4	4.1671	-63.58	Pk	33.5	-32.3	.3	11.8	-50.28	-13	-37.28	0-360	200	V
2	5.5333	-63.7	Pk	34.6	-31.5	.5	11.8	-48.3	-13	-35.3	0-360	100	H
5	5.9266	-65	Pk	35	-30.4	.8	11.8	-47.8	-13	-34.8	0-360	200	V
3	8.9119	-65.24	Pk	36.2	-26.1	.7	11.8	-42.64	-13	-29.64	0-360	200	H
6	9.2062	-65.41	Pk	36.4	-26.1	1.2	11.8	-42.11	-13	-29.11	0-360	200	V

Pk - Peak detector

REL 99 Mid Channel

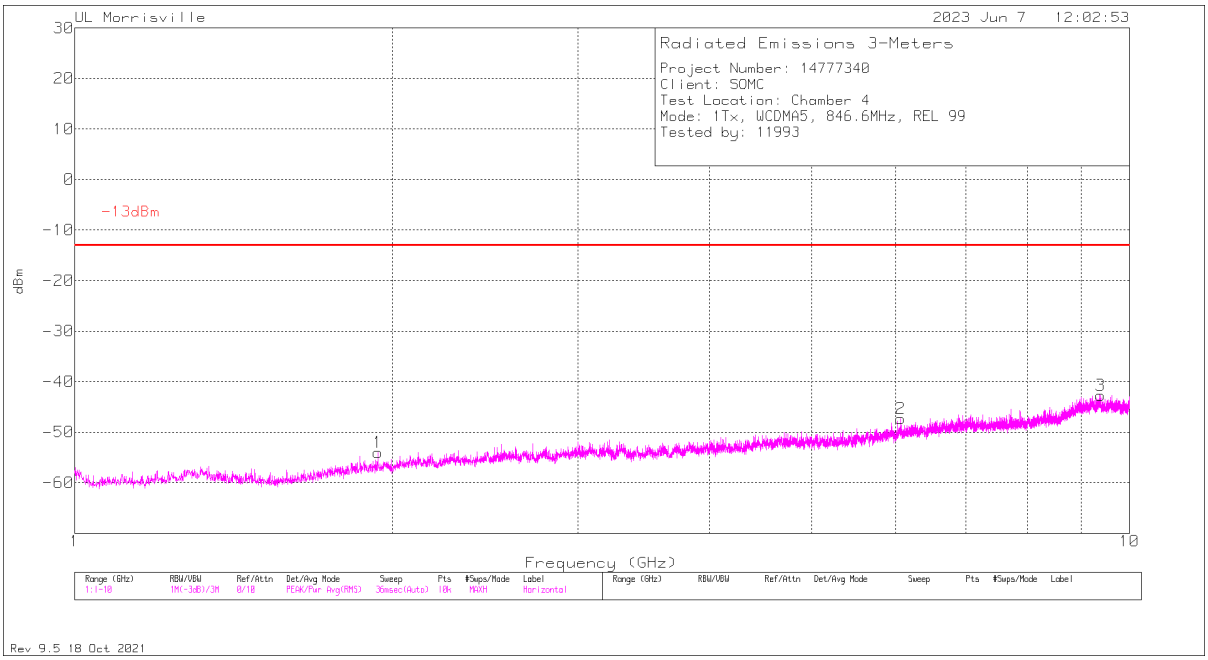


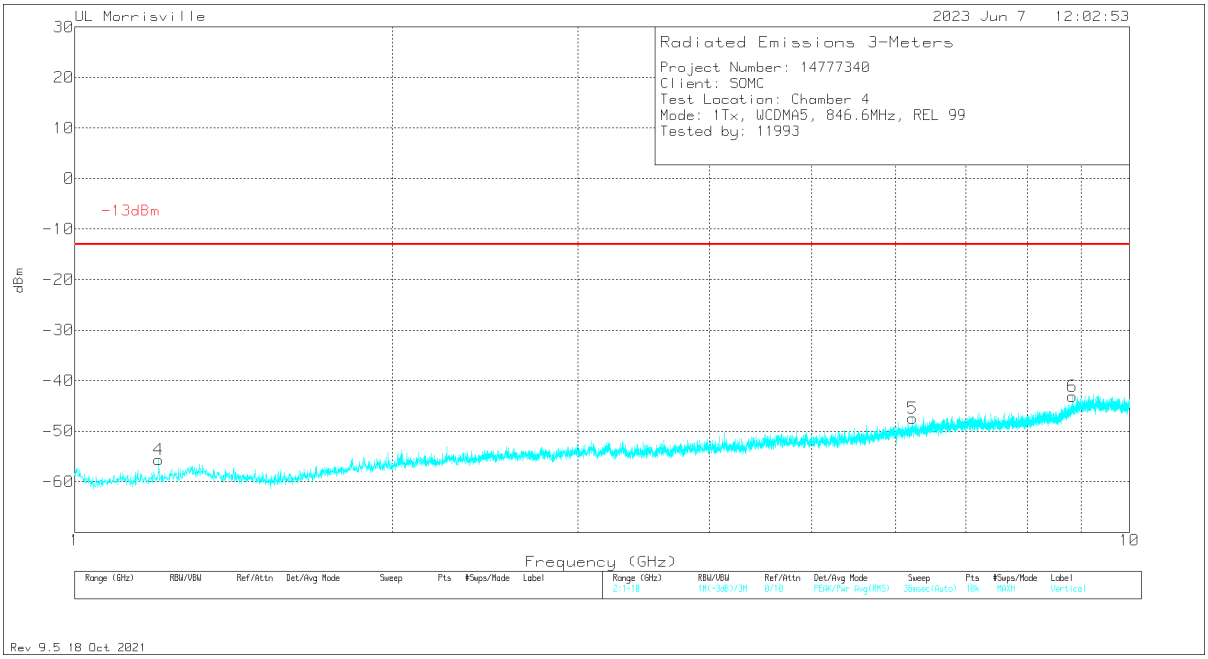


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Filter (dB)	CF (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.6506	-61.29	Pk	32.4	-35.8	.5	11.8	-52.39	-13	-39.39	0-360	100	H
4	3.5002	-62.13	Pk	32.9	-34.4	.4	11.8	-51.43	-13	-38.43	0-360	300	V
5	5.9257	-65.09	Pk	35	-30.4	.8	11.8	-47.89	-13	-34.89	0-360	200	V
2	6.6727	-65.69	Pk	35.5	-28.3	.7	11.8	-45.99	-13	-32.99	0-360	200	H
3	9.2224	-65.73	Pk	36.4	-26	1.2	11.8	-42.33	-13	-29.33	0-360	200	H
6	9.6076	-66.56	Pk	36.8	-26.1	1.2	11.8	-42.86	-13	-29.86	0-360	200	V

Pk - Peak detector

REL 99 High Channel





Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Filter (dB)	CF (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	1.2016	-60.79	Pk	28	-35.8	1.1	11.8	-55.69	-13	-42.69	0-360	200	V
1	1.9378	-60.67	Pk	30.8	-36.3	.3	11.8	-54.07	-13	-41.07	0-360	200	H
2	6.0652	-64.91	Pk	35.1	-30.1	.8	11.8	-47.31	-13	-34.31	0-360	100	H
5	6.229	-65.89	Pk	35.4	-29.4	.7	11.8	-47.39	-13	-34.39	0-360	300	V
6	8.8282	-65.82	Pk	36.2	-26	.7	11.8	-43.12	-13	-30.12	0-360	300	V
3	9.3934	-65.97	Pk	36.6	-26.2	1	11.8	-42.77	-13	-29.77	0-360	100	H

Pk - Peak detector

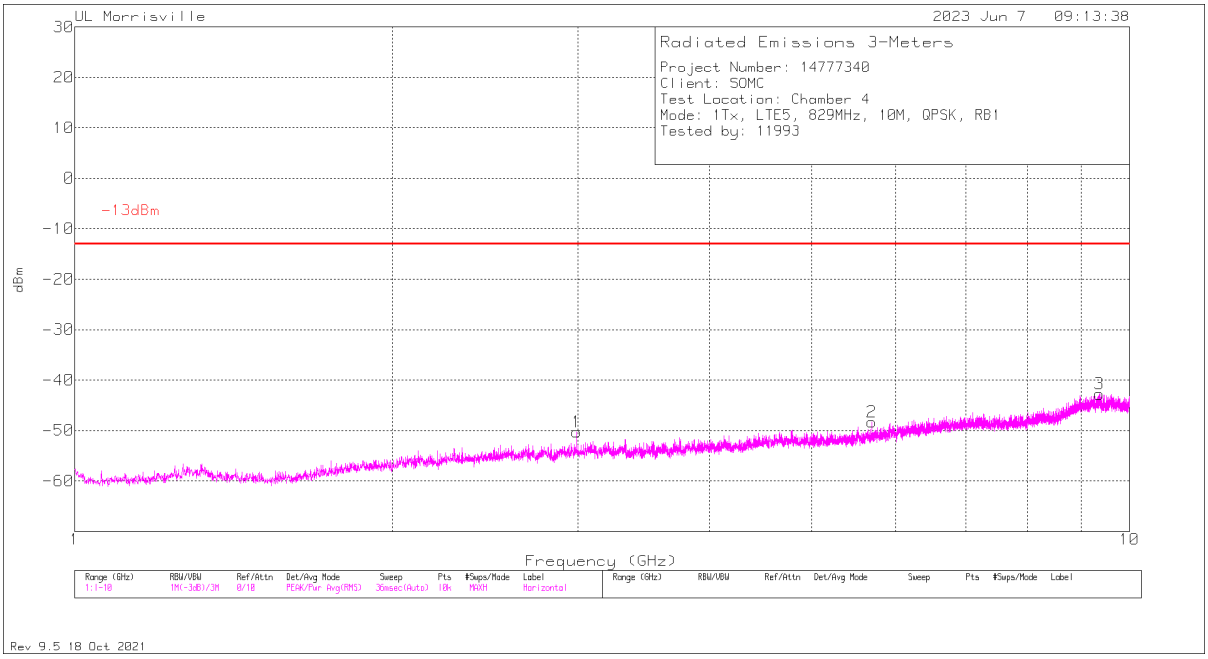
10.1.6. LTE BAND 5

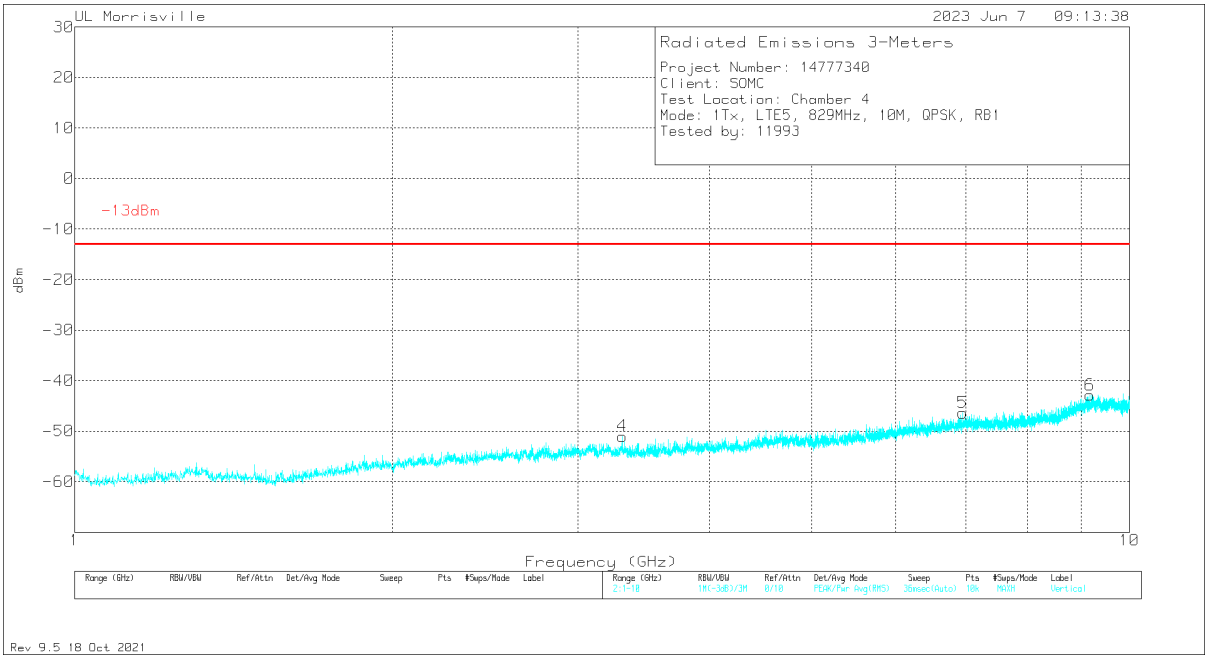
LIMITS

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.

EUT Serial Number: QV77007DHJ

QPSK LTE5 (10MHz, Low Channel)

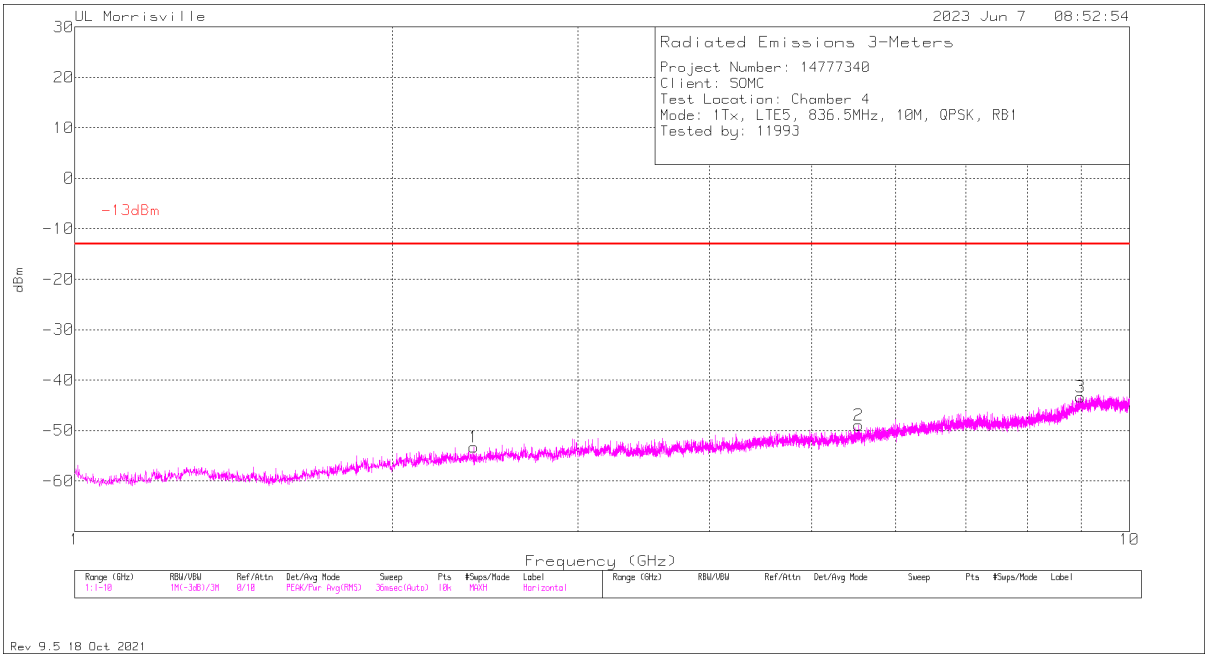


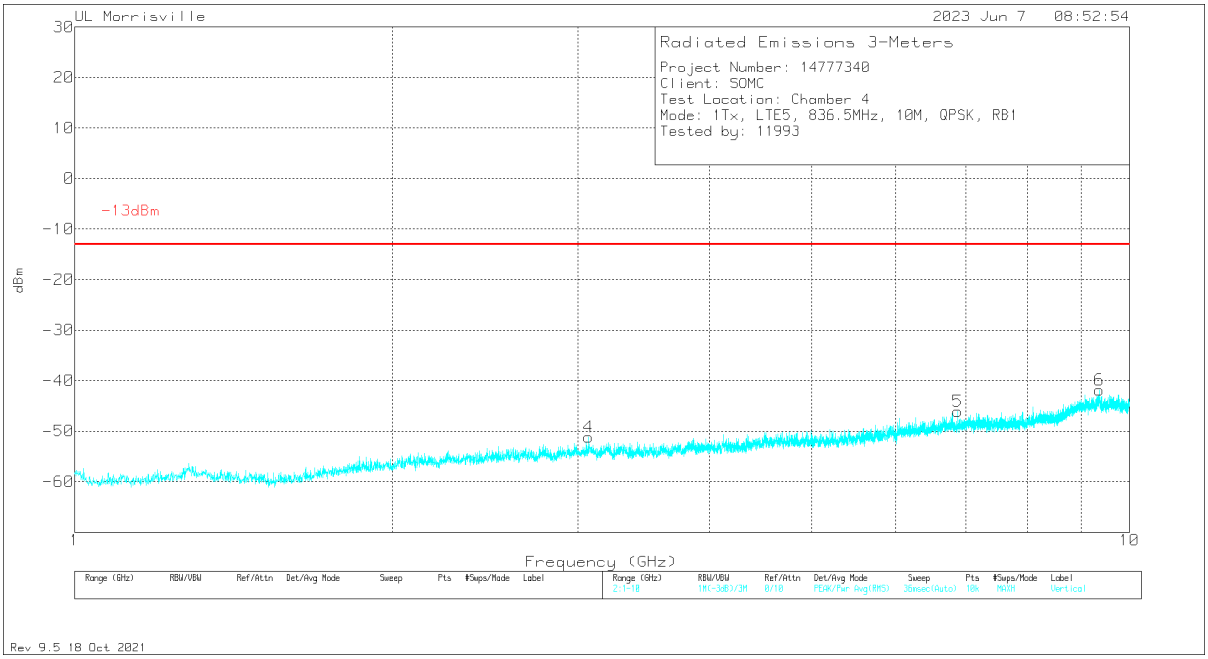


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Filter (dB)	CF (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.9917	-59.85	Pk	32.9	-35.5	.4	11.8	-50.25	-13	-37.25	0-360	100	H
4	3.3067	-61.48	Pk	33	-34.9	.6	11.8	-50.98	-13	-37.98	0-360	300	V
2	5.6971	-64.36	Pk	34.7	-30.8	.4	11.8	-48.26	-13	-35.26	0-360	200	H
5	6.9526	-65.68	Pk	35.5	-28.6	.6	11.8	-46.38	-13	-33.38	0-360	300	V
6	9.1747	-65.62	Pk	36.3	-26.3	1	11.8	-42.82	-13	-29.82	0-360	200	V
3	9.3619	-66.78	Pk	36.5	-25.6	1.3	11.8	-42.78	-13	-29.78	0-360	100	H

Pk - Peak detector

QPSK LTE5 (10MHz, Mid Channel)

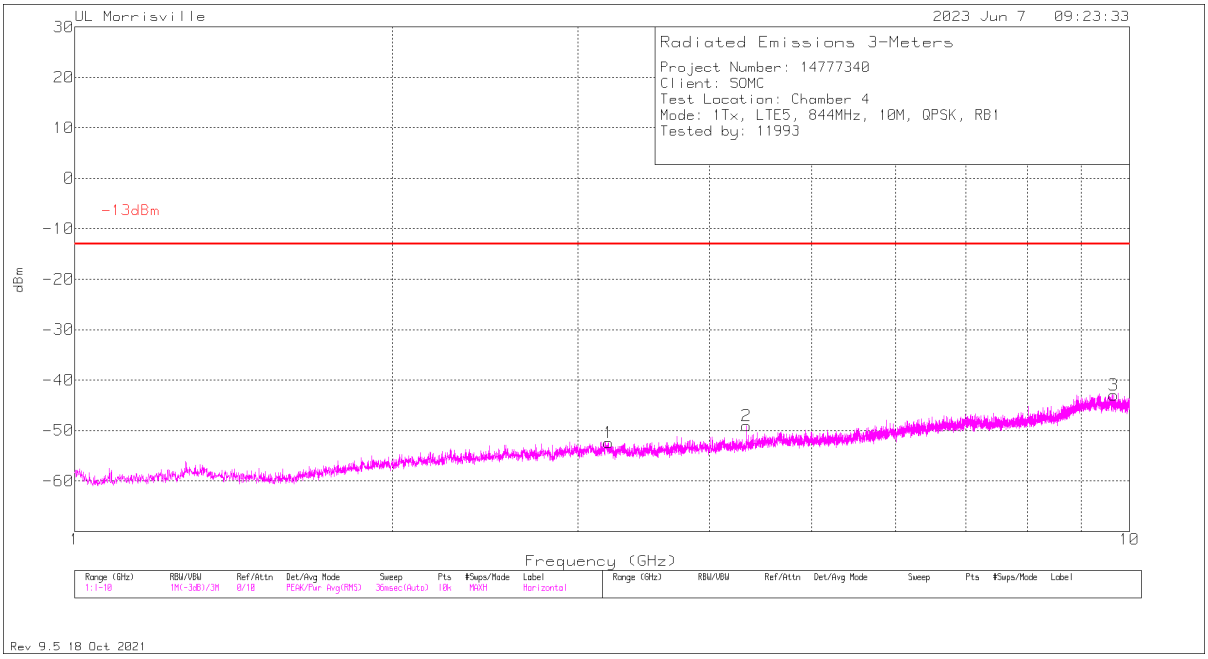


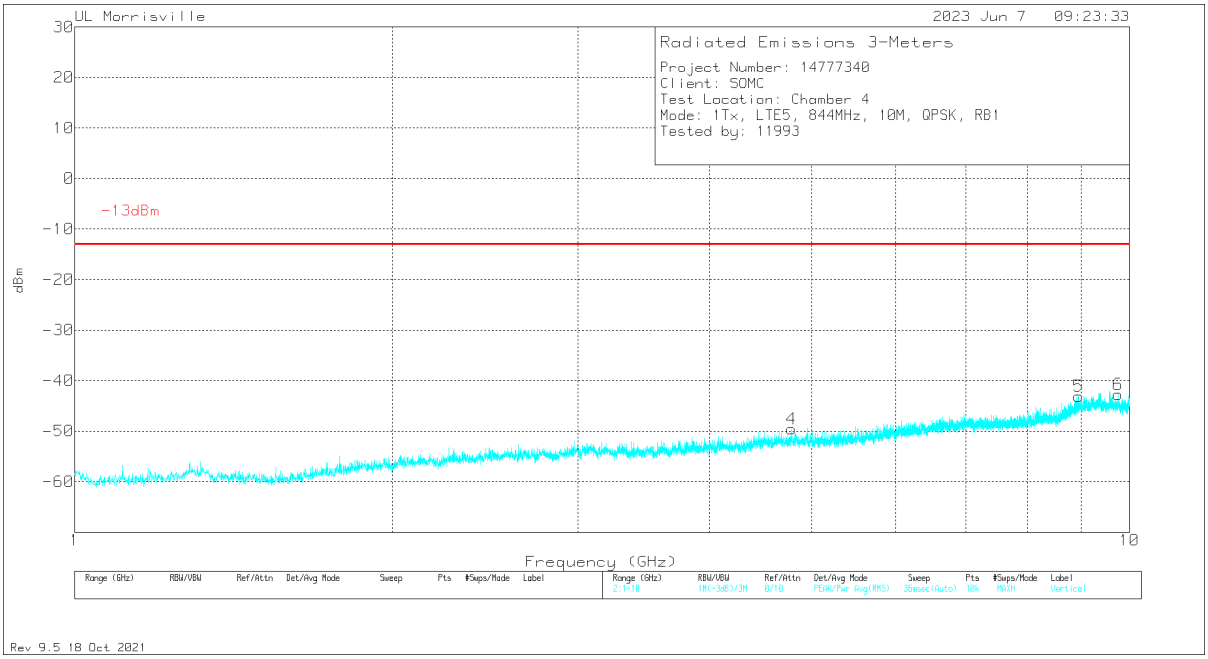


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Filter (dB)	CF (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.3887	-61.31	Pk	32	-36.2	.4	11.8	-53.31	-13	-40.31	0-360	100	H
4	3.0709	-61.49	Pk	33.1	-35.3	.7	11.8	-51.19	-13	-38.19	0-360	200	V
2	5.5342	-64.36	Pk	34.6	-31.5	.5	11.8	-48.96	-13	-35.96	0-360	200	H
5	6.8725	-64.92	Pk	35.4	-28.8	.5	11.8	-46.02	-13	-33.02	0-360	300	V
3	8.9866	-66.62	Pk	36.2	-25.8	1.1	11.8	-43.32	-13	-30.32	0-360	100	H
6	9.3619	-65.8	Pk	36.5	-25.6	1.3	11.8	-41.8	-13	-28.8	0-360	200	V

Pk - Peak detector

QPSK LTE5 (10MHz, High Channel)





Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Filter (dB)	CF (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	3.2059	-62.64	Pk	32.8	-35.1	.7	11.8	-52.44	-13	-39.44	0-360	200	H
2	4.3345	-62.29	Pk	33.5	-32.4	.3	11.8	-49.09	-13	-36.09	0-360	100	H
4	4.7827	-63.89	Pk	34.1	-32	.4	11.8	-49.59	-13	-36.59	0-360	300	V
5	8.9506	-65.99	Pk	36.2	-26	.9	11.8	-43.09	-13	-30.09	0-360	300	V
3	9.6688	-66.42	Pk	36.8	-26	.8	11.8	-43.02	-13	-30.02	0-360	100	H
6	9.7561	-66.36	Pk	36.9	-26.2	1.1	11.8	-42.76	-13	-29.76	0-360	300	V

Pk - Peak detector

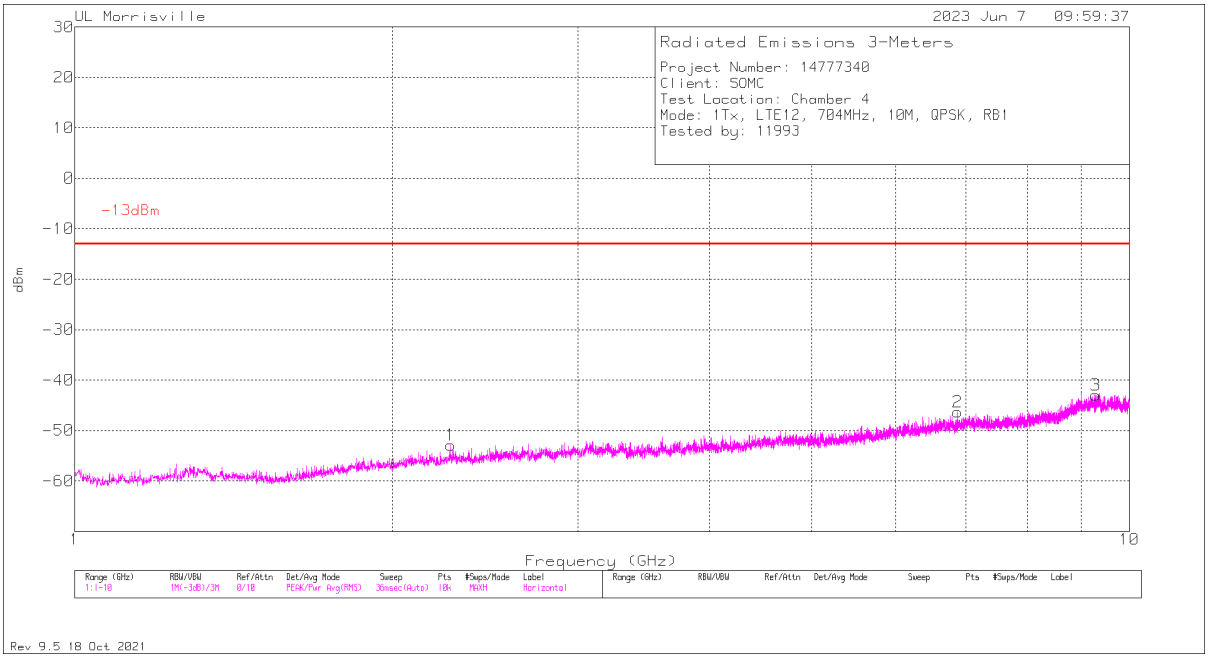
10.1.7. LTE BAND 12

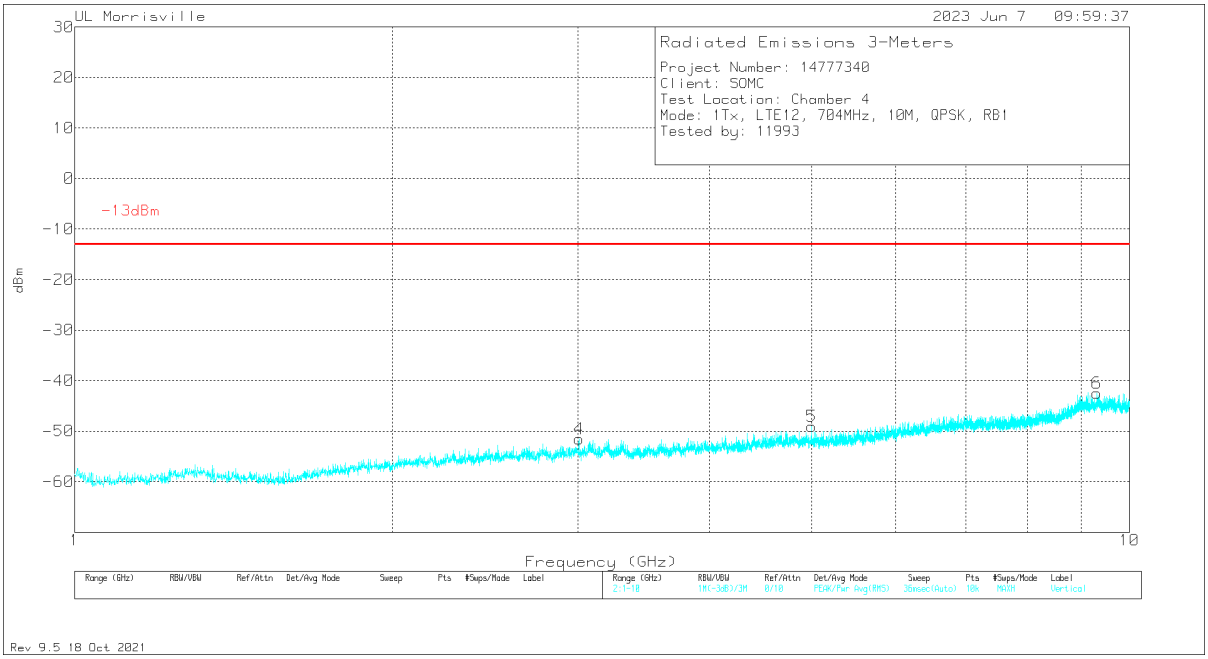
LIMITS

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.

EUT Serial Number: QV77007DHJ

QPSK LTE12 (10MHz, Low Channel)

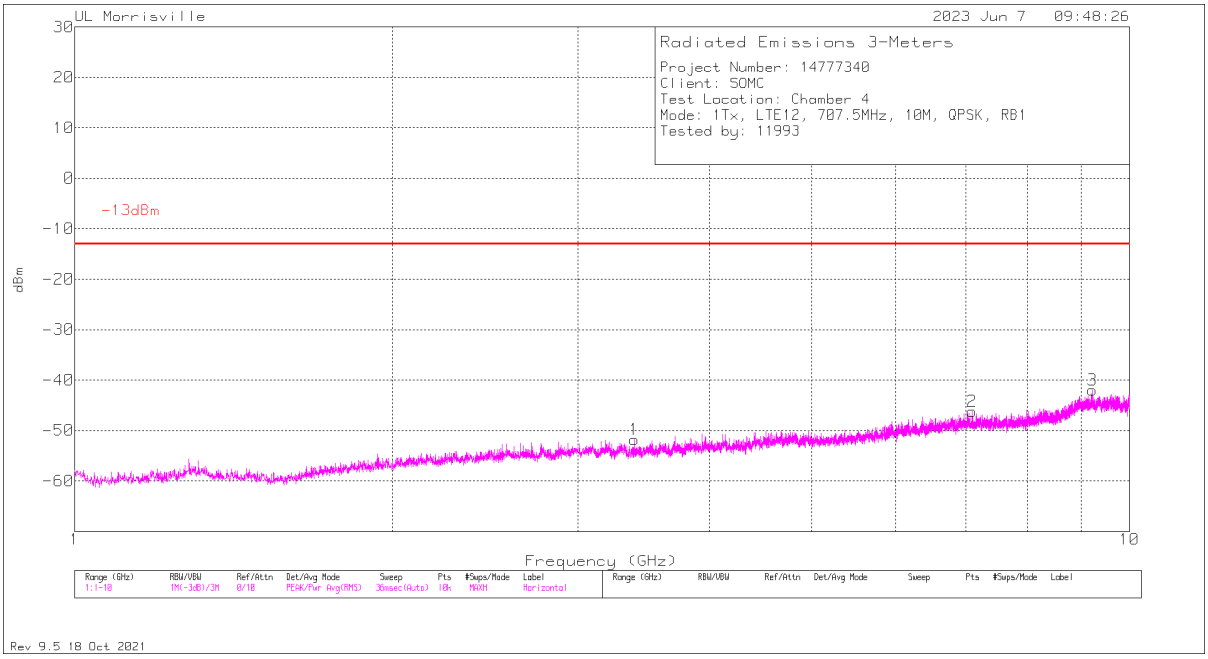


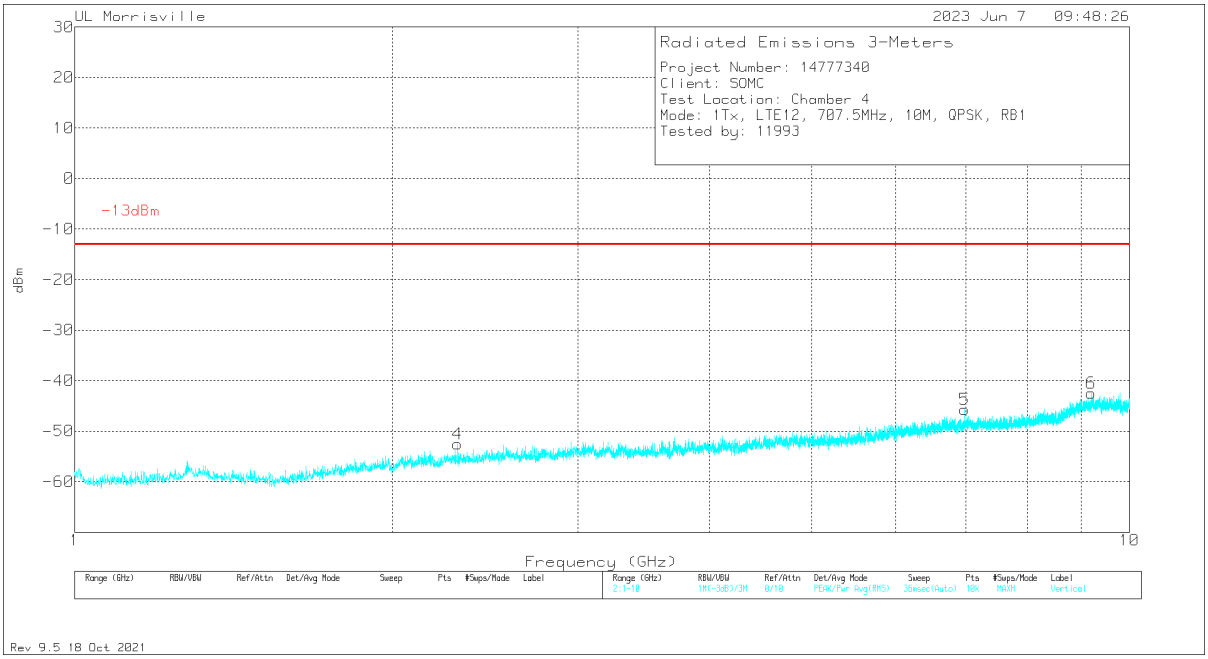


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Filter (dB)	CF (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.2726	-60.95	Pk	31.9	-36.1	.4	11.8	-52.95	-13	-39.95	0-360	200	H
4	3.007	-61.23	Pk	32.9	-35.4	.4	11.8	-51.53	-13	-38.53	0-360	200	V
5	4.9951	-63.04	Pk	34.1	-32.2	.3	11.8	-49.04	-13	-36.04	0-360	300	V
2	6.8689	-65.06	Pk	35.4	-29	.5	11.8	-46.36	-13	-33.36	0-360	100	H
3	9.2935	-66.11	Pk	36.4	-26	.9	11.8	-43.01	-13	-30.01	0-360	200	H
6	9.3079	-65.84	Pk	36.4	-25.9	1.1	11.8	-42.44	-13	-29.44	0-360	300	V

Pk - Peak detector

QPSK LTE12 (10MHz, Mid Channel)

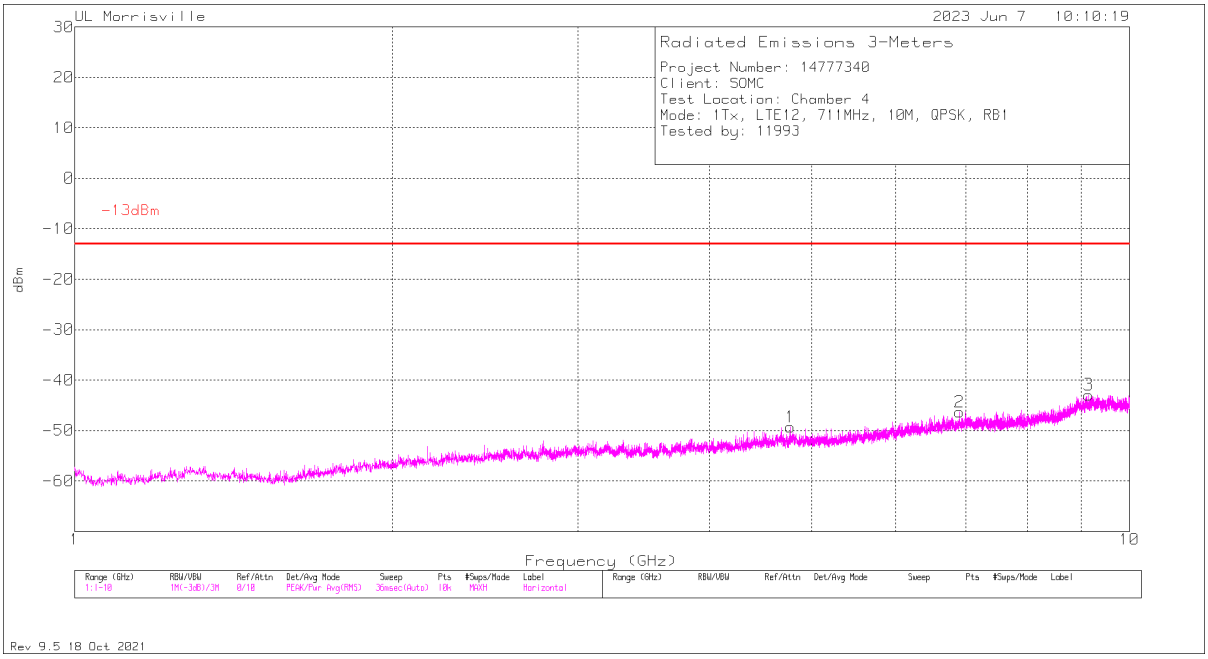


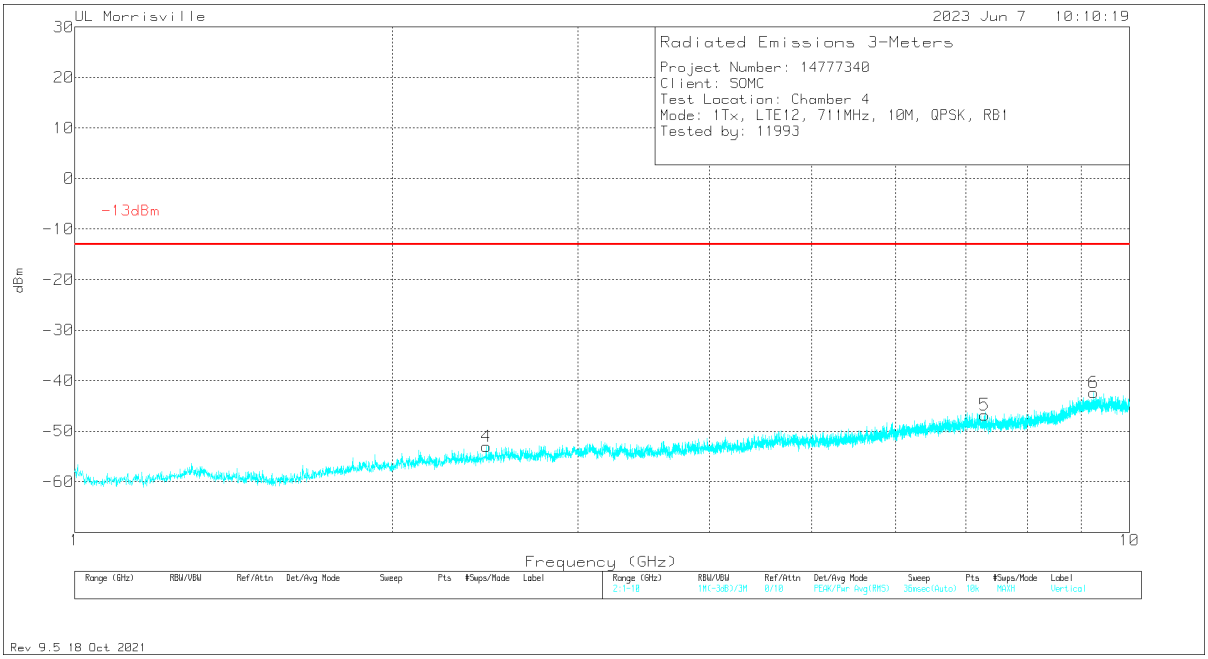


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Filter (dB)	CF (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	2.3077	-60.56	Pk	32	-36.2	.4	11.8	-52.56	-13	-39.56	0-360	300	V
1	3.3922	-62.01	Pk	32.6	-34.5	.3	11.8	-51.81	-13	-38.81	0-360	100	H
5	6.9778	-65.29	Pk	35.5	-28.3	.6	11.8	-45.69	-13	-32.69	0-360	200	V
2	7.0912	-65.65	Pk	35.6	-28.6	.7	11.8	-46.15	-13	-33.15	0-360	100	H
6	9.2008	-65.92	Pk	36.4	-25.9	1.2	11.8	-42.42	-13	-29.42	0-360	300	V
3	9.2197	-65.28	Pk	36.4	-26.1	1.2	11.8	-41.98	-13	-28.98	0-360	200	H

Pk - Peak detector

QPSK LTE12 (10MHz, High Channel)





Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Filter (dB)	CF (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	2.4553	-61.2	Pk	32.2	-36.2	.4	11.8	-53	-13	-40	0-360	300	V
1	4.7701	-63.27	Pk	34	-32.2	.4	11.8	-49.27	-13	-36.27	0-360	100	H
2	6.904	-65.56	Pk	35.5	-28.7	.6	11.8	-46.36	-13	-33.36	0-360	100	H
5	7.2919	-66.56	Pk	35.7	-28.5	.8	11.8	-46.76	-13	-33.76	0-360	300	V
3	9.1522	-65.51	Pk	36.3	-26.4	.9	11.8	-42.91	-13	-29.91	0-360	100	H
6	9.2503	-65.49	Pk	36.4	-26.1	1	11.8	-42.39	-13	-29.39	0-360	300	V

Pk - Peak detector

10.1.8. LTE BAND 13

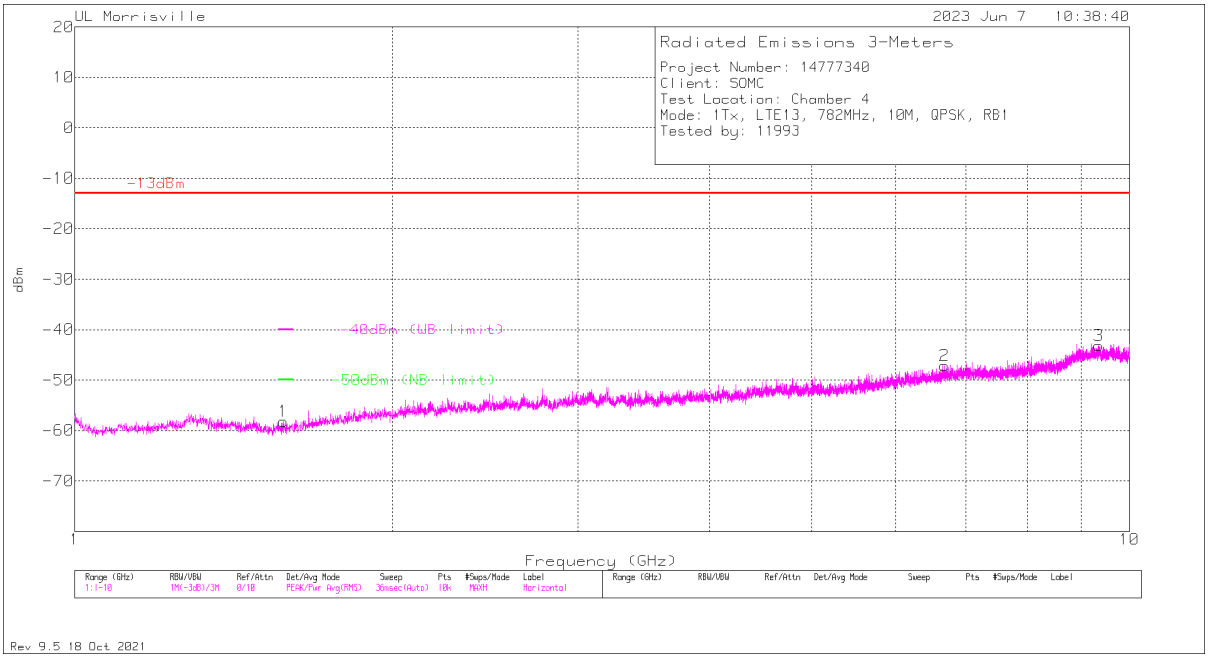
LIMITS

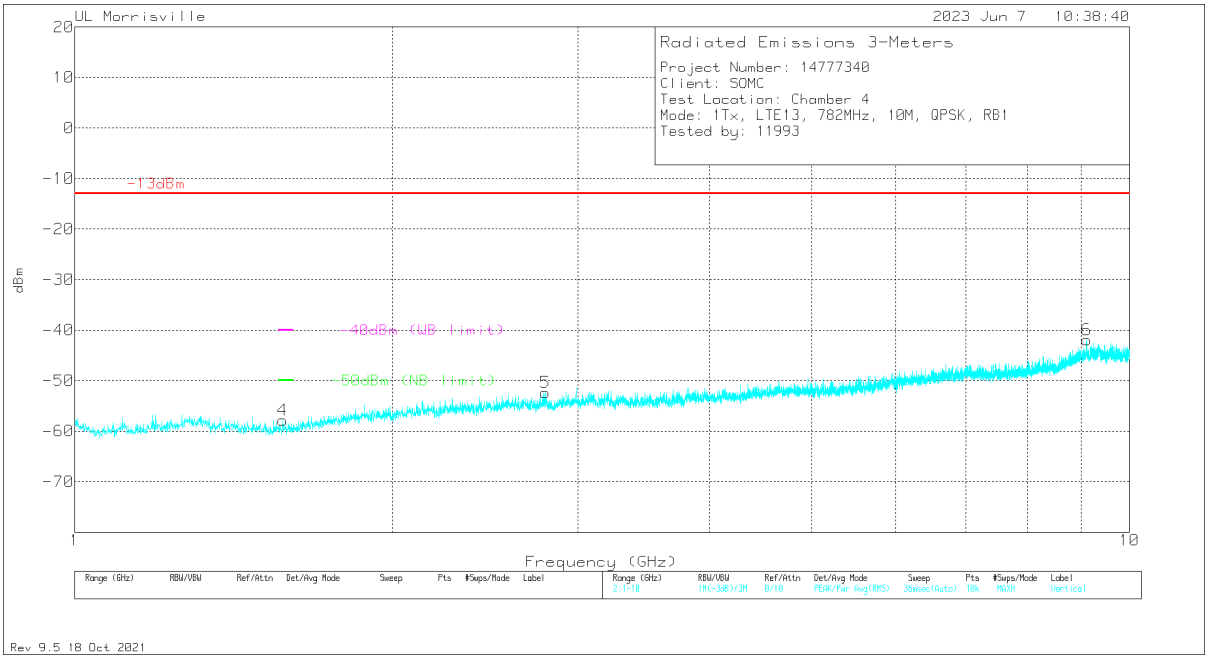
FCC: §27.53
(c) The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log (P) dB.
(f) Emissions in the band 1559-1610 MHz shall be limited to −70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and −80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth.

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

EUT Serial Number: QV77007DHJ

QPSK LTE13 (10MHz, Mid Channel)





Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Filter (dB)	CF (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	-40dBm (WB limit)	Margin (dB)	-50dBm (NB limit)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	1.5751	-62.02	Pk	27.9	-36.1	.6	11.8	-57.82	-13	-44.82	-40	-17.82	-50	-7.82	0-360	200	V
1	1.576	-62.37	Pk	27.9	-36.1	.6	11.8	-58.17	-13	-45.17	-40	-18.17	-50	-8.17	0-360	100	H
5	2.7919	-61.55	Pk	32.6	-35.8	.6	11.8	-52.35	-13	-39.35	-	-	-	-	0-360	200	V
2	6.6754	-66.34	Pk	35.4	-28.6	.6	11.8	-47.14	-13	-34.14	-	-	-	-	0-360	200	H
6	9.1054	-65.02	Pk	36.3	-26	1	11.8	-41.92	-13	-28.92	-	-	-	-	0-360	300	V
3	9.3547	-66.93	Pk	36.5	-25.8	1.3	11.8	-43.13	-13	-30.13	-	-	-	-	0-360	100	H

Pk - Peak detector

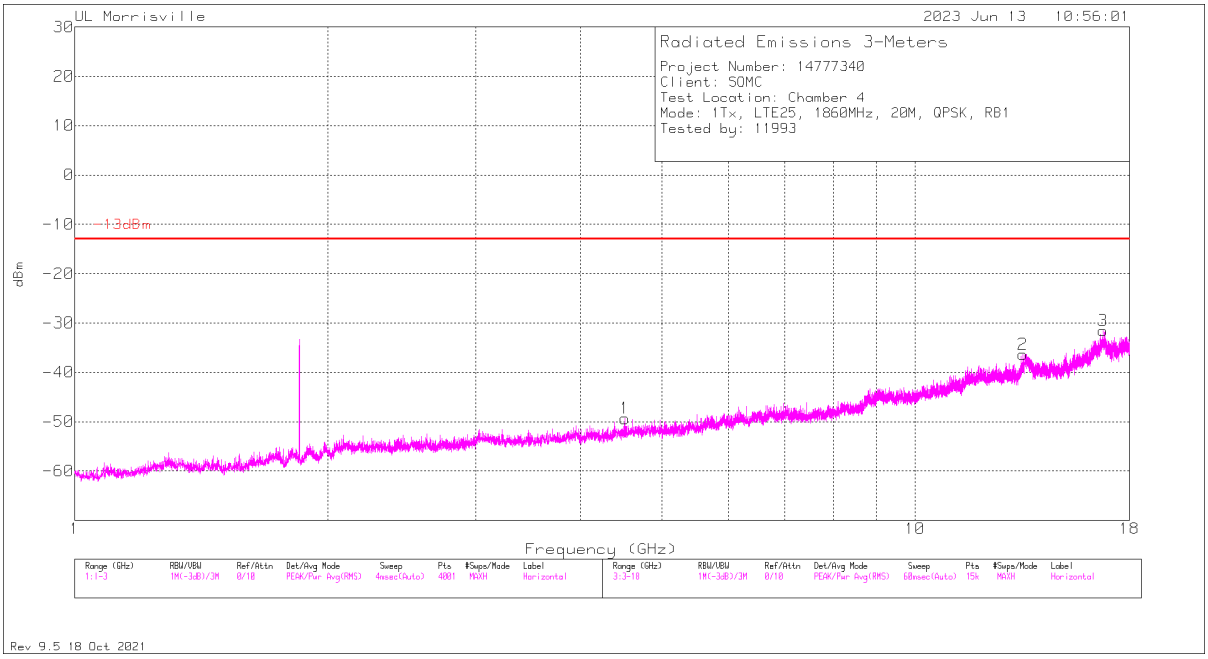
10.1.9. LTE BAND 25

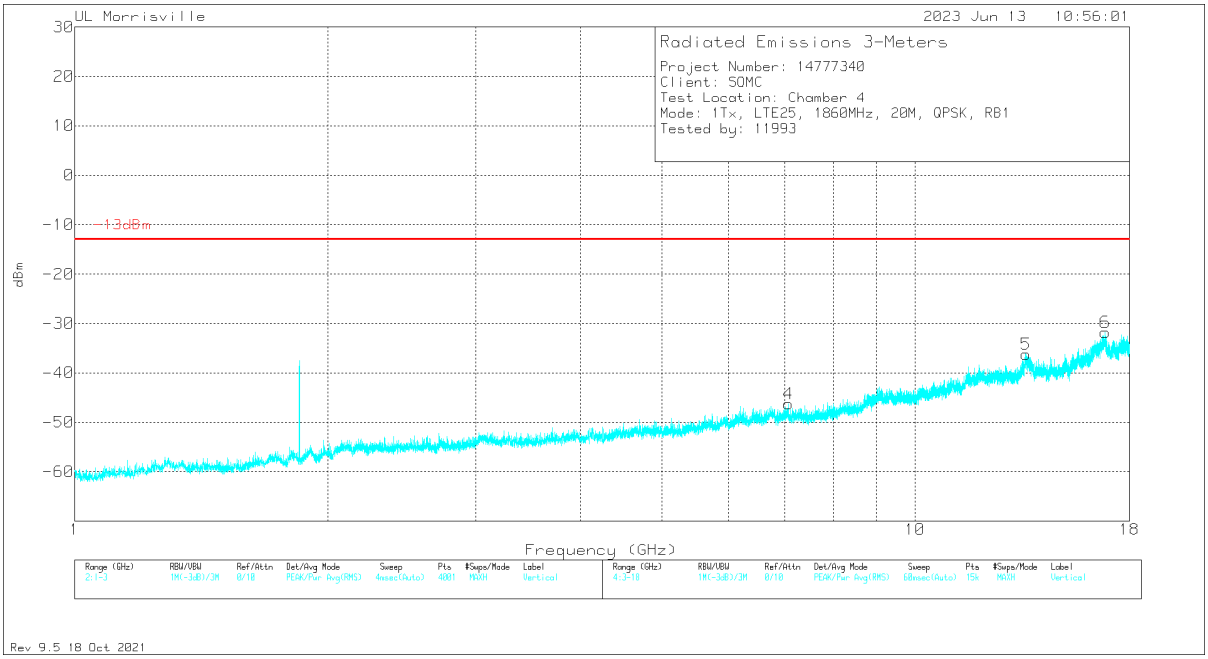
LIMITS

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.

EUT Serial Number: QV77007DHJ

QPSK LTE25 (20MHz, Low Channel)

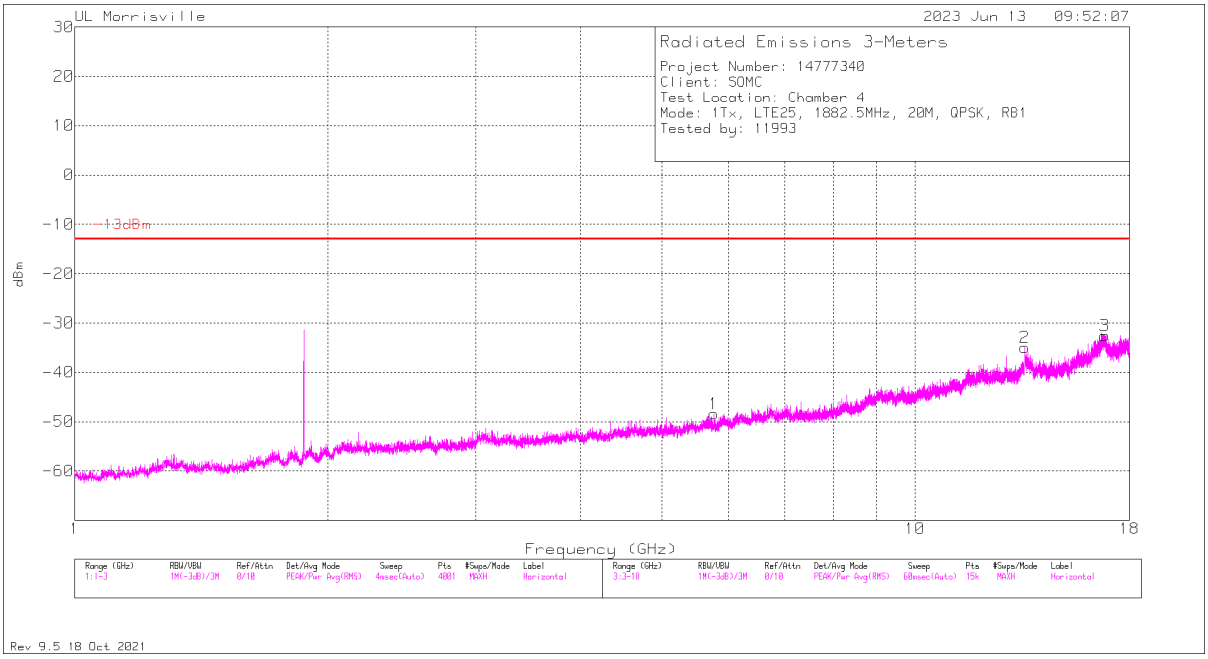


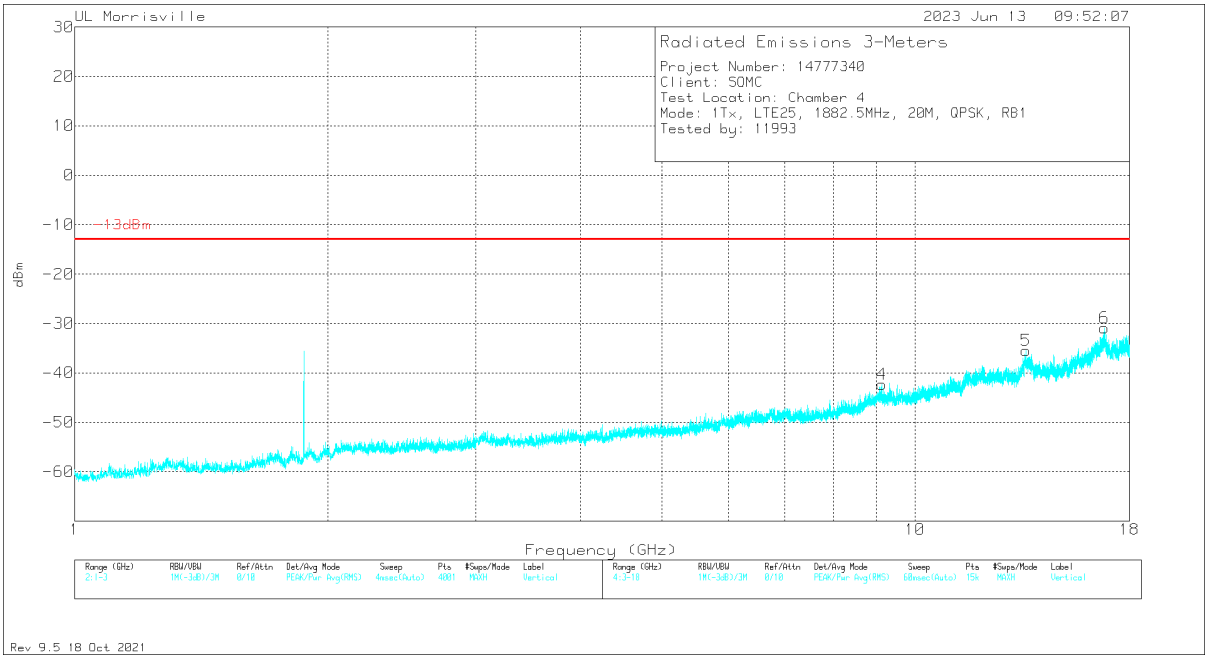


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	4.516	-63.56	Pk	33.8	-31.4	11.8	0	-49.36	-13	-36.36	0-360	200	H
4	7.066	-65.61	Pk	35.6	-28	11.8	0	-46.21	-13	-33.21	0-360	200	V
2	13.452	-66.08	Pk	38.8	-20.9	11.8	0	-36.38	-13	-23.38	0-360	100	H
5	13.559	-64.4	Pk	38.8	-22.4	11.8	0	-36.2	-13	-23.2	0-360	300	V
3	16.74	-65.79	Pk	41.9	-19.4	11.8	0	-31.49	-13	-18.49	0-360	200	H
6	16.847	-66.36	Pk	41.9	-19.1	11.8	0	-31.76	-13	-18.76	0-360	200	V

Pk - Peak detector

QPSK LTE25 (20MHz, Mid Channel)

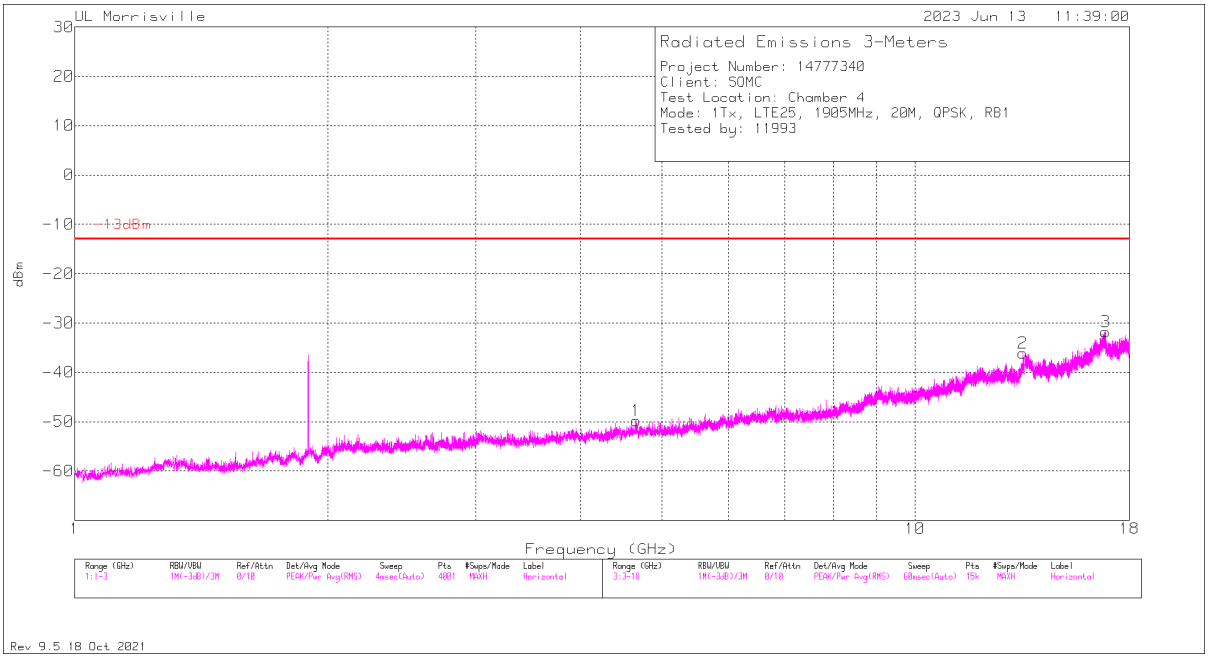


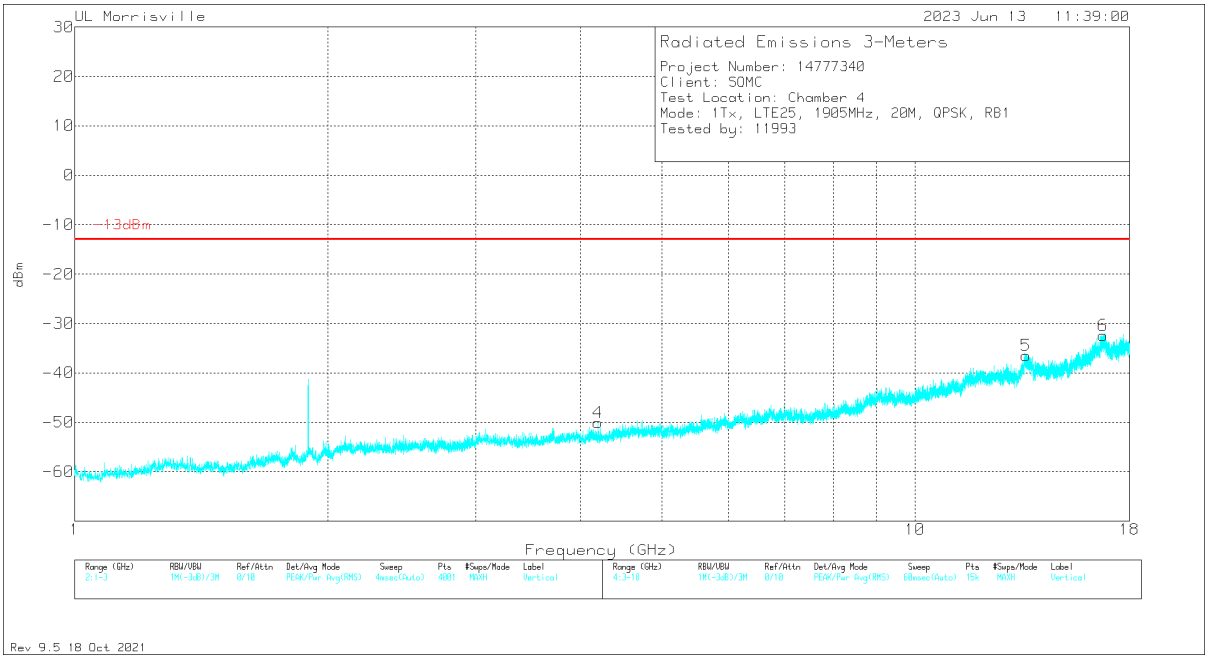


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.767	-65.09	Pk	34.7	-29.8	11.8	0	-48.39	-13	-35.39	0-360	100	H
4	9.128	-65.36	Pk	36.3	-25.1	11.8	0	-42.36	-13	-29.36	0-360	200	V
2	13.505	-63.77	Pk	38.8	-21.8	11.8	0	-34.97	-13	-21.97	0-360	100	H
5	13.561	-63.42	Pk	38.8	-22.6	11.8	0	-35.42	-13	-22.42	0-360	300	V
6	16.8	-65.59	Pk	41.9	-19	11.8	0	-30.89	-13	-17.89	0-360	200	V
3	16.818	-67.12	Pk	41.9	-19.1	11.8	0	-32.52	-13	-19.52	0-360	100	H

Pk - Peak detector

QPSK LTE25 (20MHz, High Channel)





Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	4.196	-63.43	Pk	33.4	-31.8	11.8	0	-50.03	-13	-37.03	0-360	300	V
1	4.656	-64.41	Pk	34.1	-31.3	11.8	0	-49.81	-13	-36.81	0-360	100	H
2	13.45	-65.76	Pk	38.8	-20.9	11.8	0	-36.06	-13	-23.06	0-360	100	H
5	13.556	-64.83	Pk	38.8	-22.2	11.8	0	-36.43	-13	-23.43	0-360	200	V
6	16.75	-66.87	Pk	41.9	-19.3	11.8	0	-32.47	-13	-19.47	0-360	300	V
3	16.849	-66.18	Pk	41.9	-19.3	11.8	0	-31.78	-13	-18.78	0-360	200	H

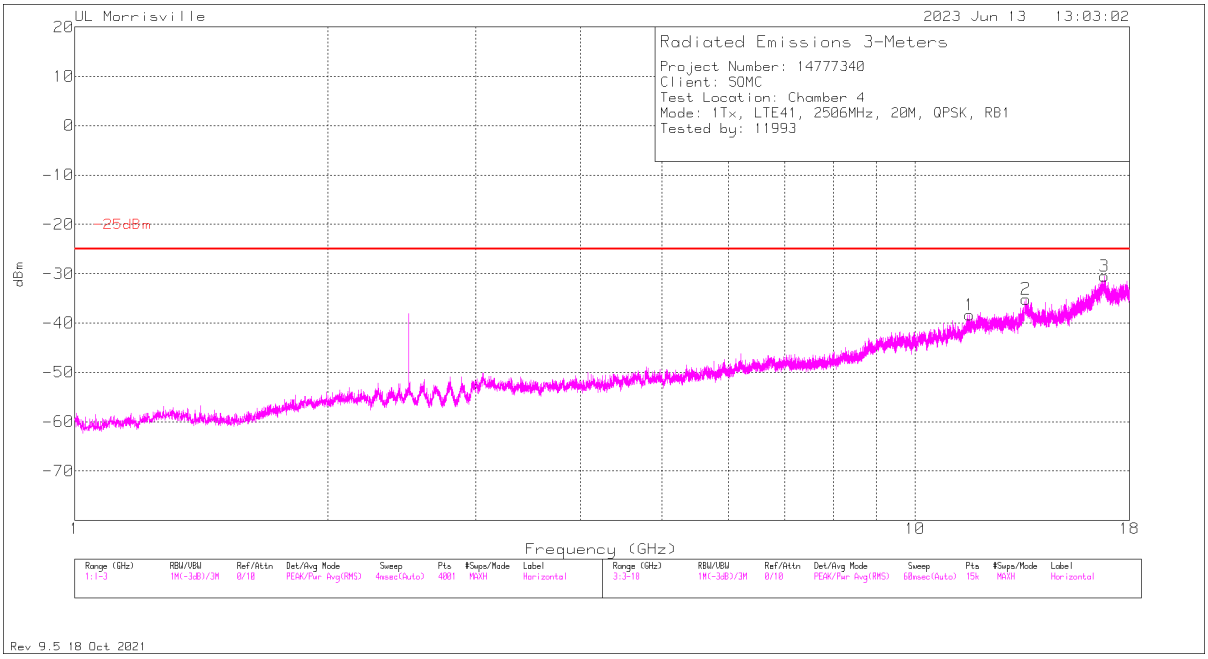
Pk - Peak detector

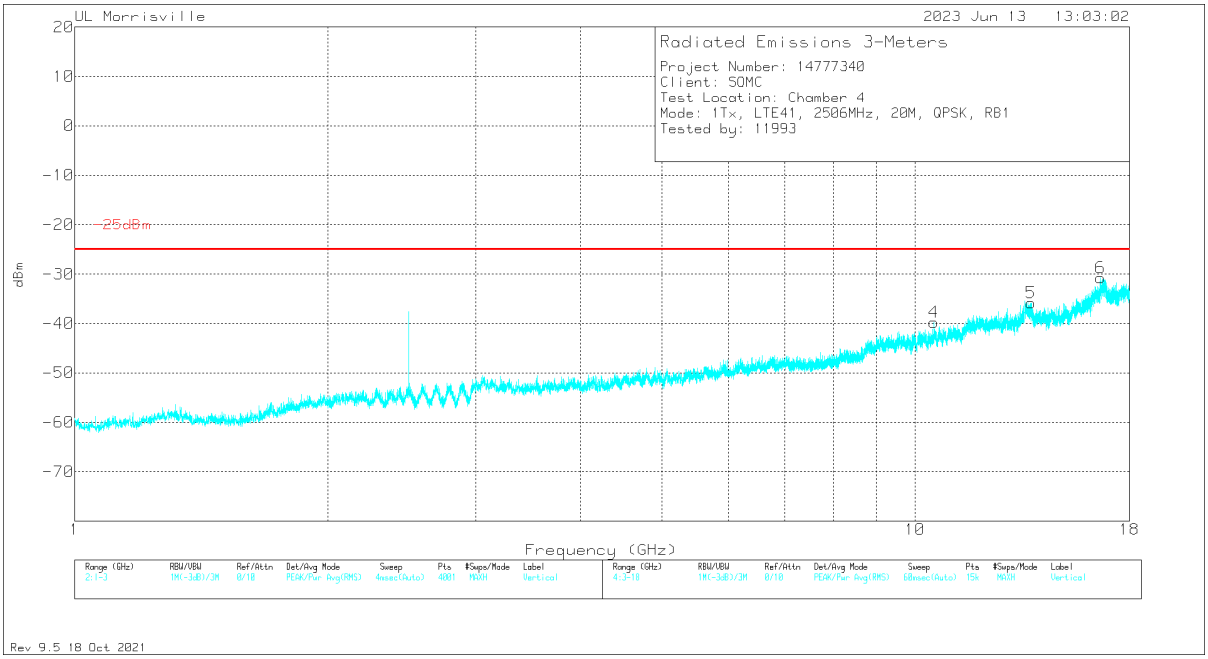
10.1.10. LTE BAND 41

FCC: §27.53 (m)
At least 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section.

EUT Serial Number: QV77007DHJ

QPSK LTE41(20MHz, Low Channel)

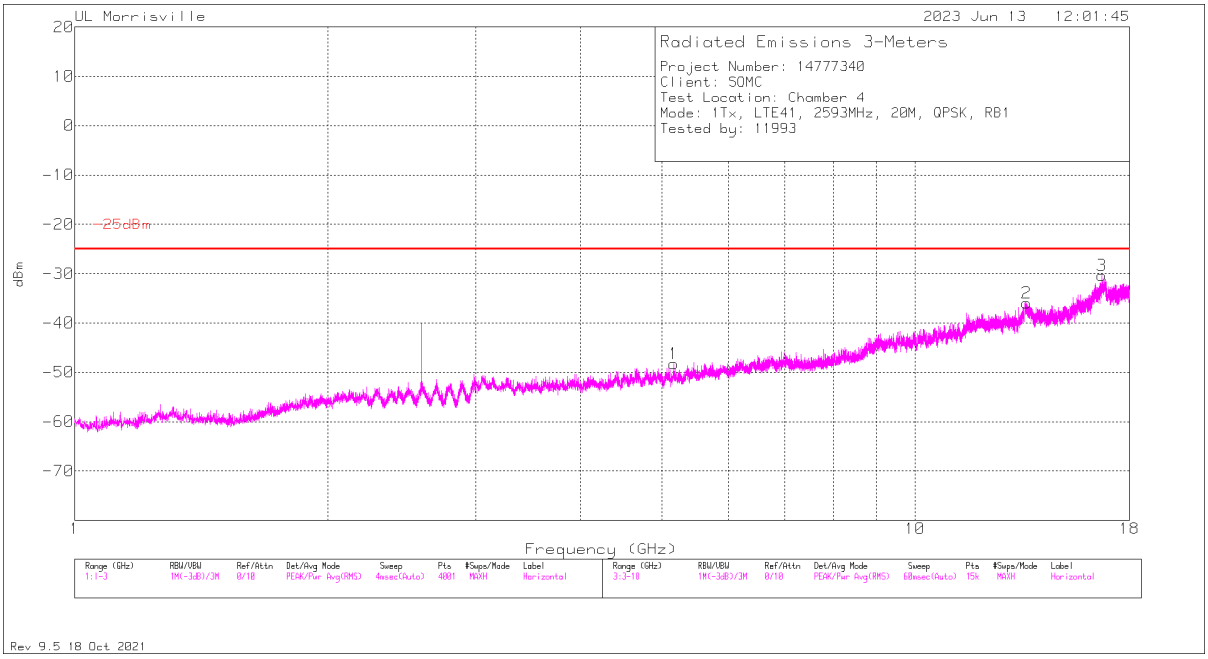


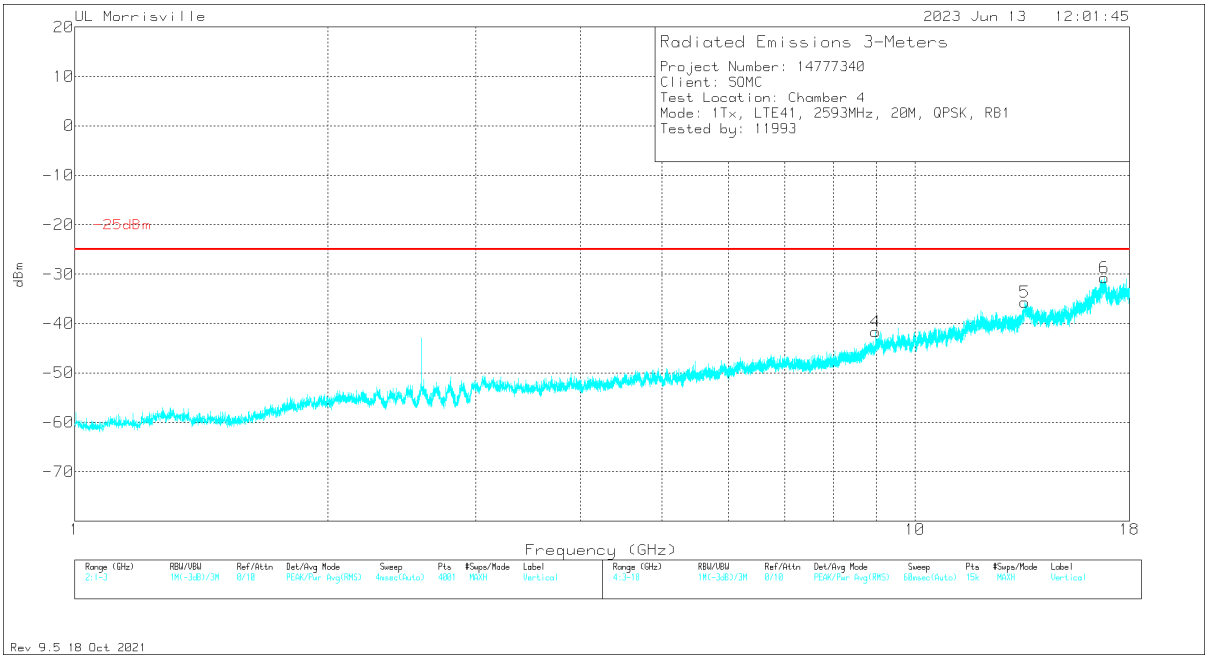


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-25dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	10.536	-65.38	Pk	37.6	-25.1	11.8	1.3	-39.78	-25	-14.78	0-360	300	V
1	11.611	-65.87	Pk	38.3	-23.4	11.8	.8	-38.37	-25	-13.37	0-360	100	H
2	13.552	-64.22	Pk	38.8	-22.1	11.8	.6	-35.12	-25	-10.12	0-360	100	H
5	13.737	-65.96	Pk	38.7	-21	11.8	.7	-35.76	-25	-10.76	0-360	300	V
6	16.62816	-68.27	Pk	41.7	-20.5	11.8	.9	-34.37	-25	-9.37	11	136	V
3	16.79852	-68.29	Pk	41.9	-19.1	11.8	1.1	-32.59	-25	-7.59	150	116	H

Pk - Peak detector

QPSK LTE41(20MHz, Mid Channel)

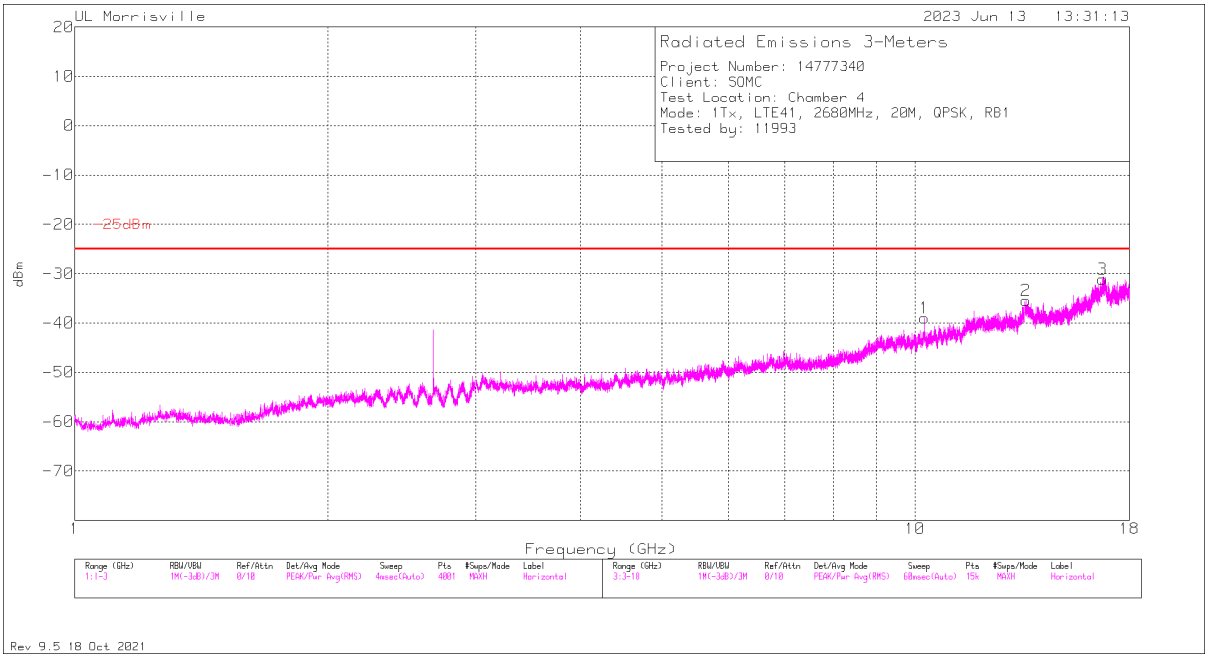


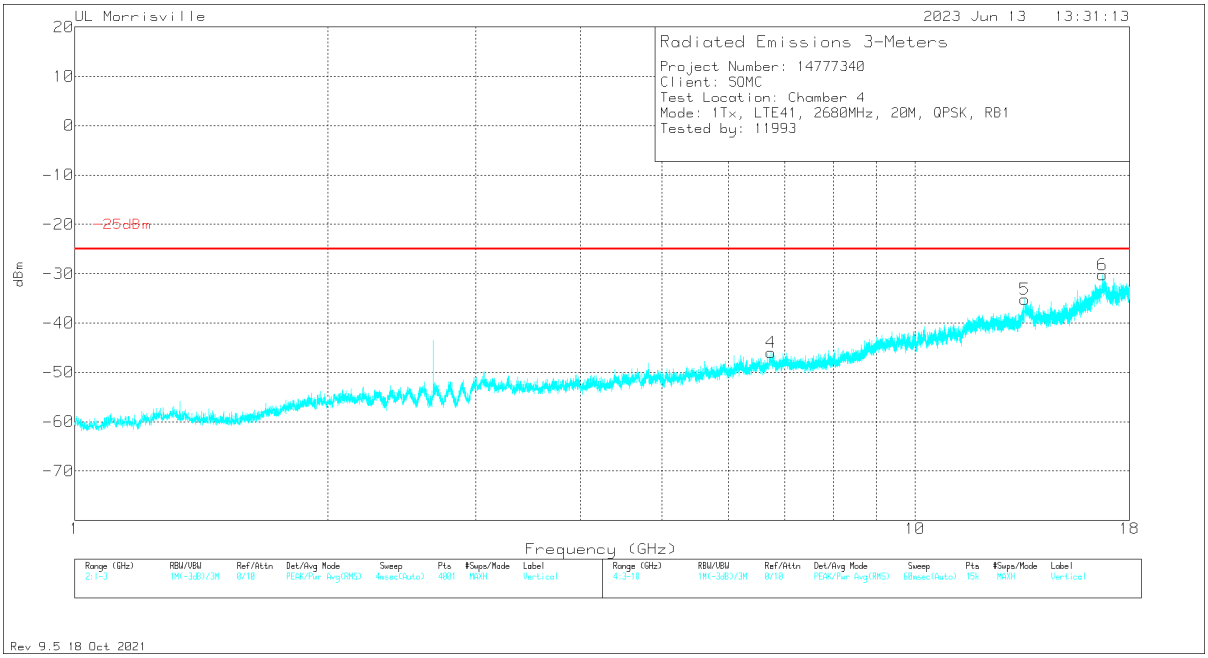


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-25dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.164	-63.57	Pk	34.2	-31.2	11.8	.5	-48.27	-25	-23.27	0-360	100	H
4	8.975	-64.65	Pk	36.2	-25.6	11.8	.6	-41.65	-25	-16.65	0-360	300	V
5	13.507	-64.98	Pk	38.8	-21.8	11.8	.5	-35.68	-25	-10.68	0-360	300	V
2	13.577	-65.3	Pk	38.7	-21.8	11.8	.7	-35.9	-25	-10.9	0-360	100	H
3	16.69962	-65.66	Pk	41.8	-20	11.8	1.3	-30.76	-25	-5.76	186	361	H
6	16.80615	-65.81	Pk	41.9	-19.8	11.8	1.1	-30.81	-25	-5.81	48	120	V

Pk - Peak detector

QPSK LTE41(20MHz, High Channel)





Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-25dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	6.743	-66.43	Pk	35.5	-27.3	11.8	.5	-45.93	-25	-20.93	0-360	300	V
1	10.26	-64.3	Pk	37.4	-25.3	11.8	1.4	-39	-25	-14	0-360	100	H
5	13.521	-64.65	Pk	38.8	-21.6	11.8	.5	-35.15	-25	-10.15	0-360	300	V
2	13.558	-64.28	Pk	38.8	-22.3	11.8	.6	-35.38	-25	-10.38	0-360	100	H
3	16.722	-66.98	Pk	41.8	-19	11.8	1.3	-31.08	-25	-6.08	0-360	200	H
6	16.72231	-65.79	Pk	41.8	-19.1	11.8	1.3	-29.99	-25	-4.99	158	321	V

Pk - Peak detector

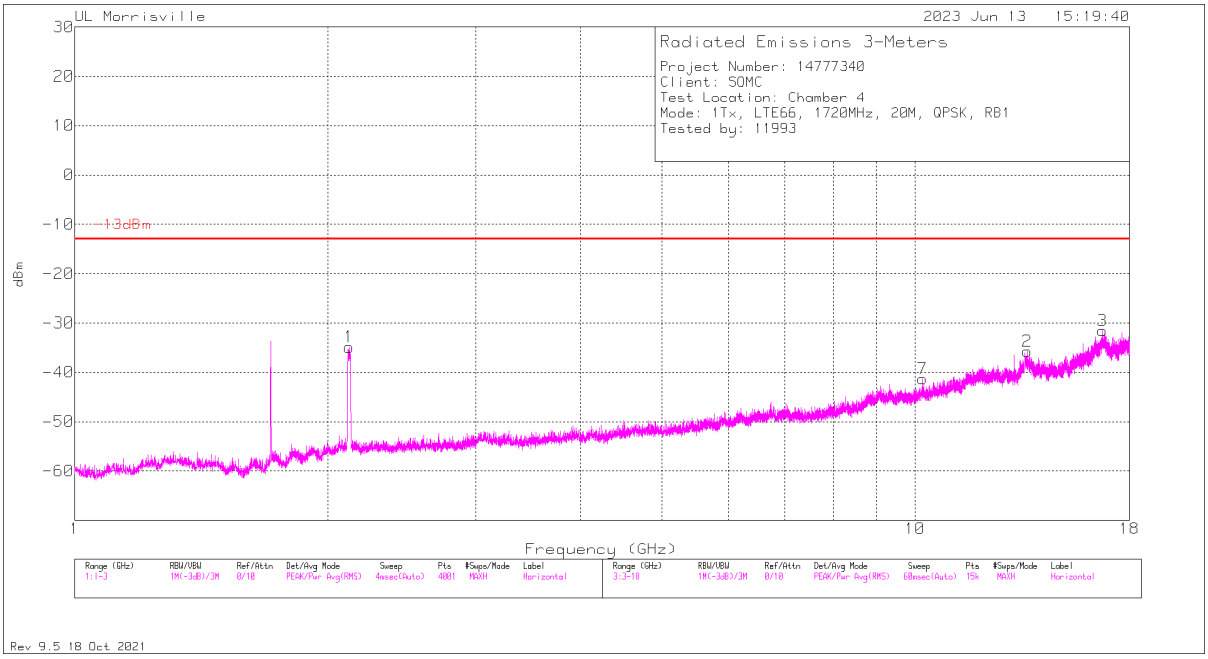
10.1.11. LTE BAND 66

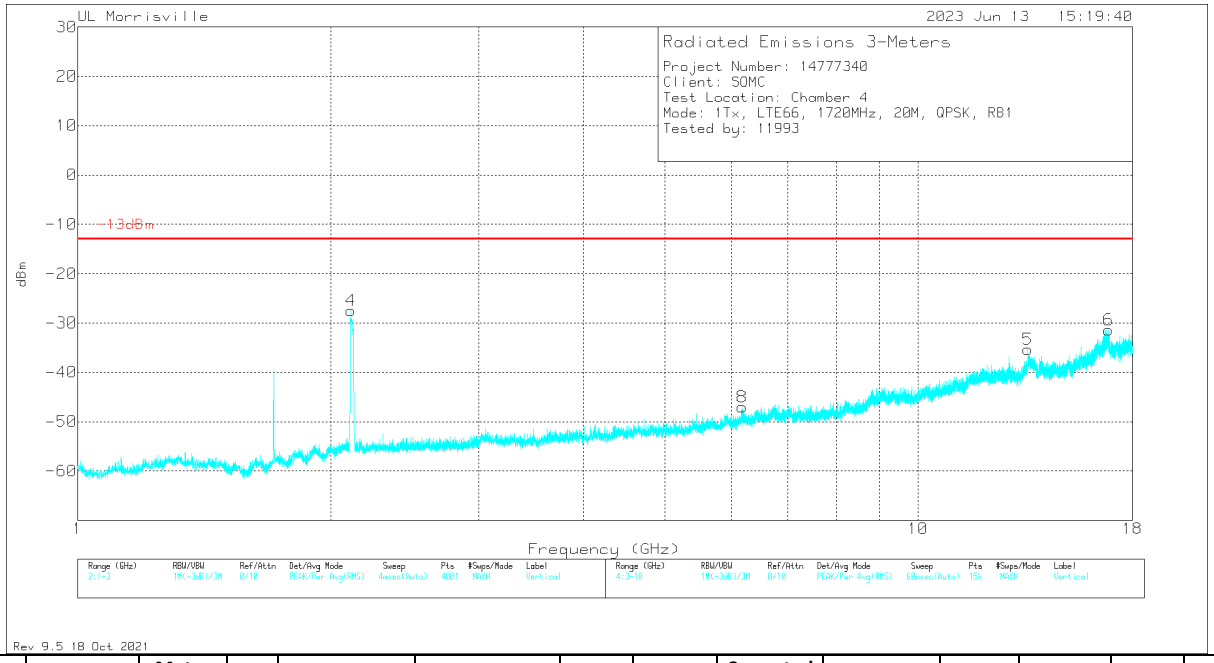
LIMITS

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.

EUT Serial Number: QV7700MFN

QPSK LTE66 (20MHz, Low Channel)

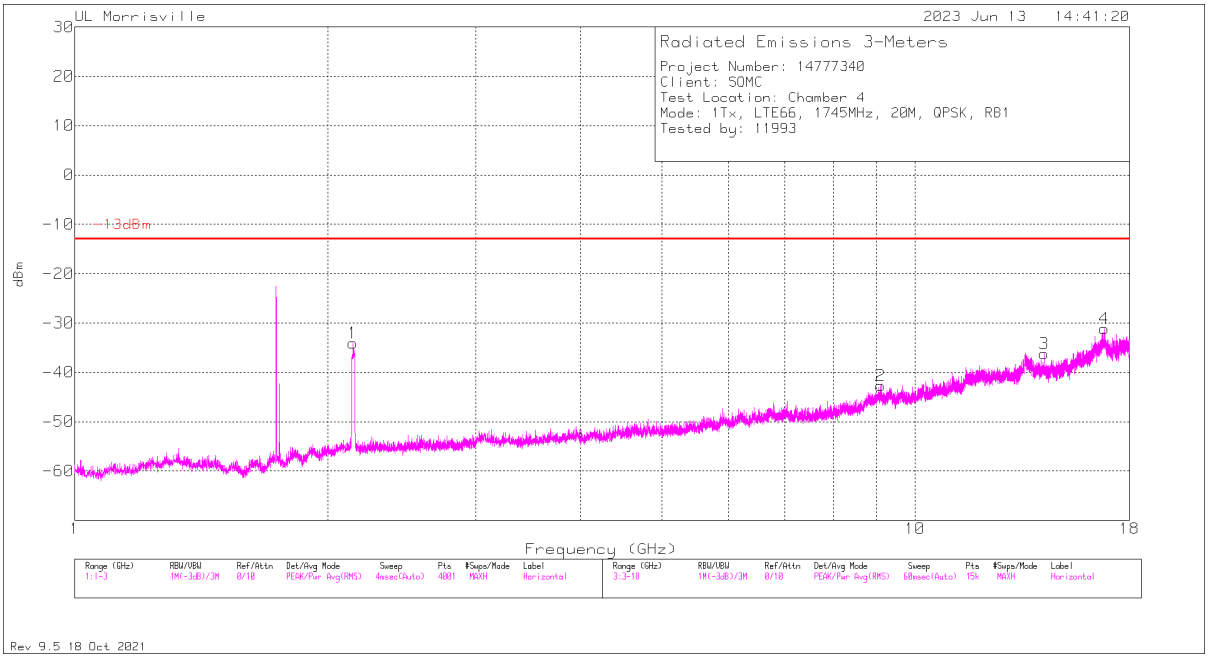


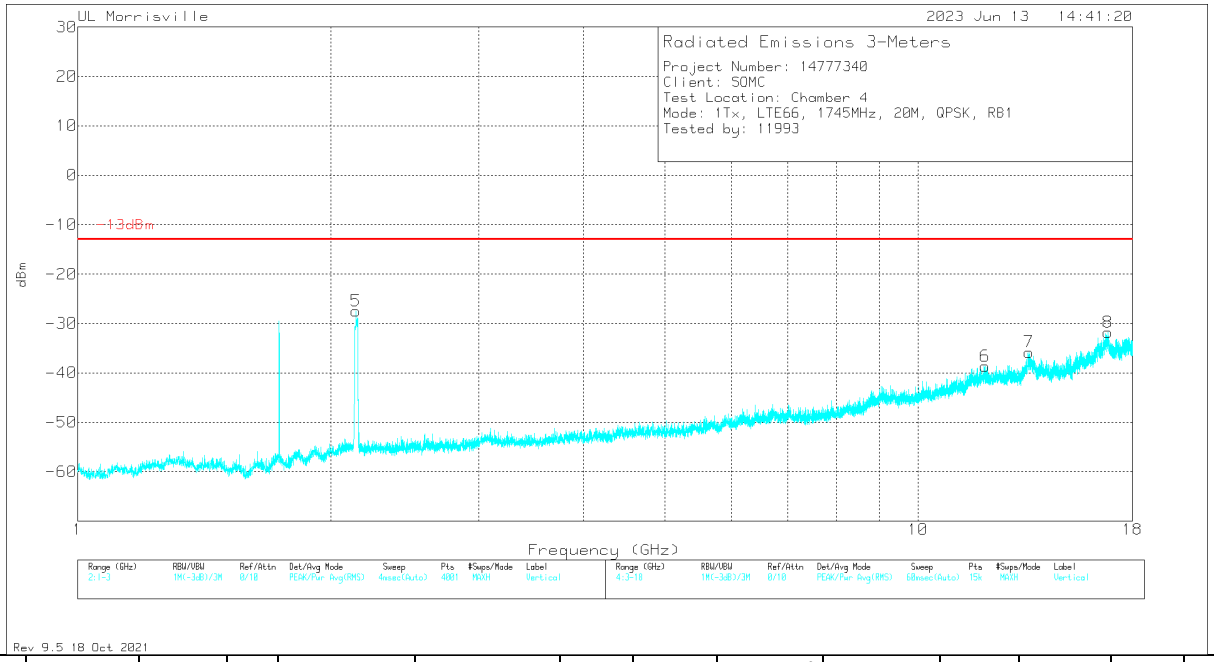


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
8	6.179	-66.03	Pk	35.4	-28.2	11.8	0	-47.03	-13	-34.03	0-360	200	V
7	10.206	-64.75	Pk	37.4	-25.7	11.8	0	-41.25	-13	-28.25	0-360	100	H
5	13.504	-64.07	Pk	38.8	-21.9	11.8	0	-35.37	-13	-22.37	0-360	200	V
2	13.608	-64.03	Pk	38.7	-22.2	11.8	0	-35.73	-13	-22.73	0-360	200	H
3	16.724	-65.7	Pk	41.8	-19.4	11.8	0	-31.5	-13	-18.5	0-360	100	H
6	16.852	-65.63	Pk	41.9	-19.5	11.8	0	-31.43	-13	-18.43	0-360	300	V
4	2.1135 (DL)	-35.94	Pk	31.6	-36.1	11.8	1.2	-27.44	-	-	0-360	300	V
1	2.121 (DL)	-43.39	Pk	31.6	-36.1	11.8	1.2	-34.89	-	-	0-360	100	H

Pk - Peak detector; DL - Downlink

QPSK LTE66 (20MHz, Mid Channel)

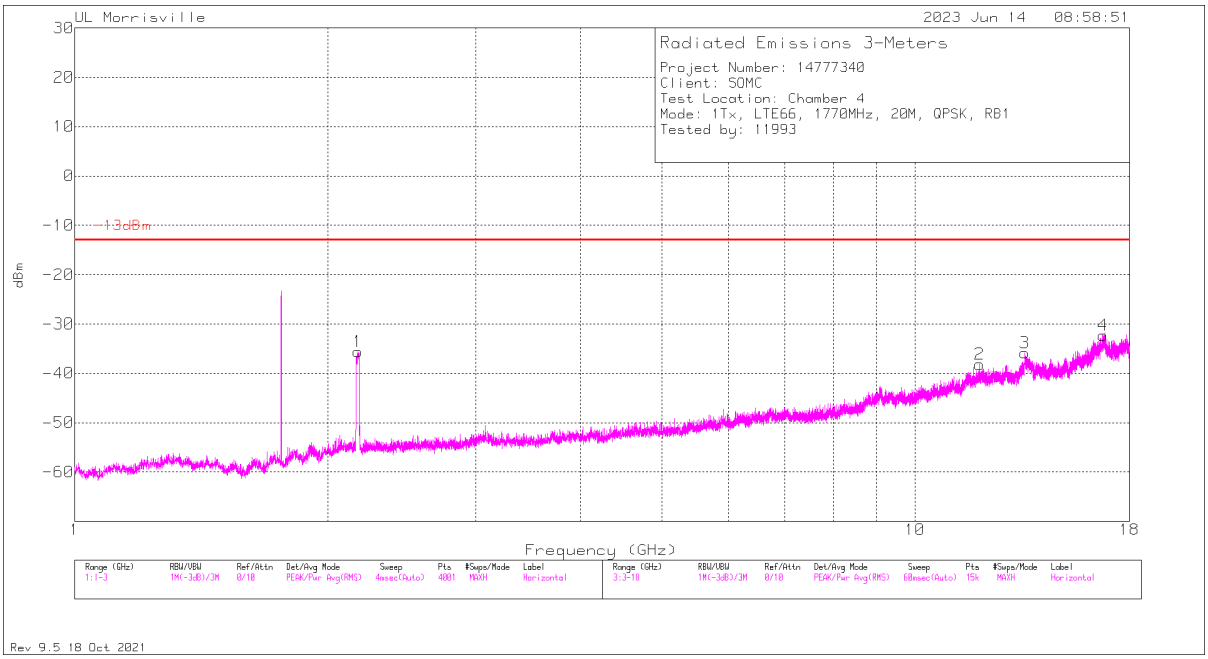


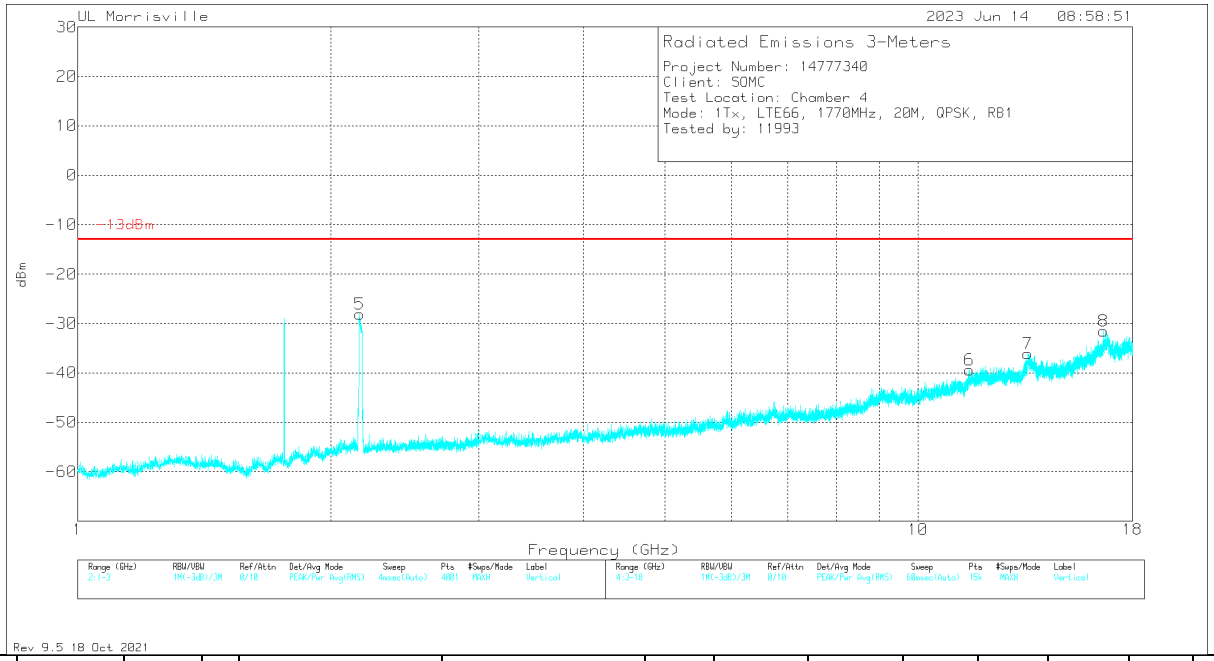


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.1445 (DL)	-42.33	Pk	31.5	-36.2	11.8	1.2	-34.03	-	-	0-360	100	H
5	2.1445 (DL)	-35.81	Pk	31.5	-36.2	11.8	1.2	-27.51	-	-	0-360	300	V
2	9.095	-66.11	Pk	36.3	-24.7	11.8	0	-42.71	-13	-29.71	0-360	100	H
6	12.027	-66.39	Pk	38.7	-22.7	11.8	0	-38.59	-13	-25.59	0-360	200	V
7	13.554	-64.28	Pk	38.8	-22.1	11.8	0	-35.78	-13	-22.78	0-360	200	V
3	14.244	-66.33	Pk	39	-20.7	11.8	0	-36.23	-13	-23.23	0-360	200	H
4	16.798	-65.59	Pk	41.9	-19.2	11.8	0	-31.09	-13	-18.09	0-360	100	H
8	16.821	-66.91	Pk	41.9	-18.6	11.8	0	-31.81	-13	-18.81	0-360	200	V

Pk - Peak detector; DL - Downlink

QPSK LTE66 (20MHz, High Channel)





Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5	2.1645 (DL)	-36.4	Pk	31.6	-36.1	11.8	1	-28.1	-	-	0-360	300	V
1	2.174 (DL)	-43.96	Pk	31.6	-36	11.8	1	-35.56	-	-	0-360	200	H
6	11.522	-66.15	Pk	38.2	-23.2	11.8	0	-39.35	-13	-26.35	0-360	300	V
2	11.948	-65.59	Pk	38.7	-23.1	11.8	0	-38.19	-13	-25.19	0-360	200	H
7	13.504	-64.79	Pk	38.8	-21.9	11.8	0	-36.09	-13	-23.09	0-360	200	V
3	13.518	-64.66	Pk	38.8	-21.8	11.8	0	-35.86	-13	-22.86	0-360	100	H
8	16.625	-65.08	Pk	41.7	-20	11.8	0	-31.58	-13	-18.58	0-360	200	V
4	16.753	-66.71	Pk	41.9	-19.3	11.8	0	-32.31	-13	-19.31	0-360	200	H

Pk - Peak detector; DL - Downlink

10.2. WORST CASE EMISSIONS

RULE PART(S)
FCC: §2.1053, §22.917, §27.53.

LIMITS
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. (55+10 log (P) for 5G)

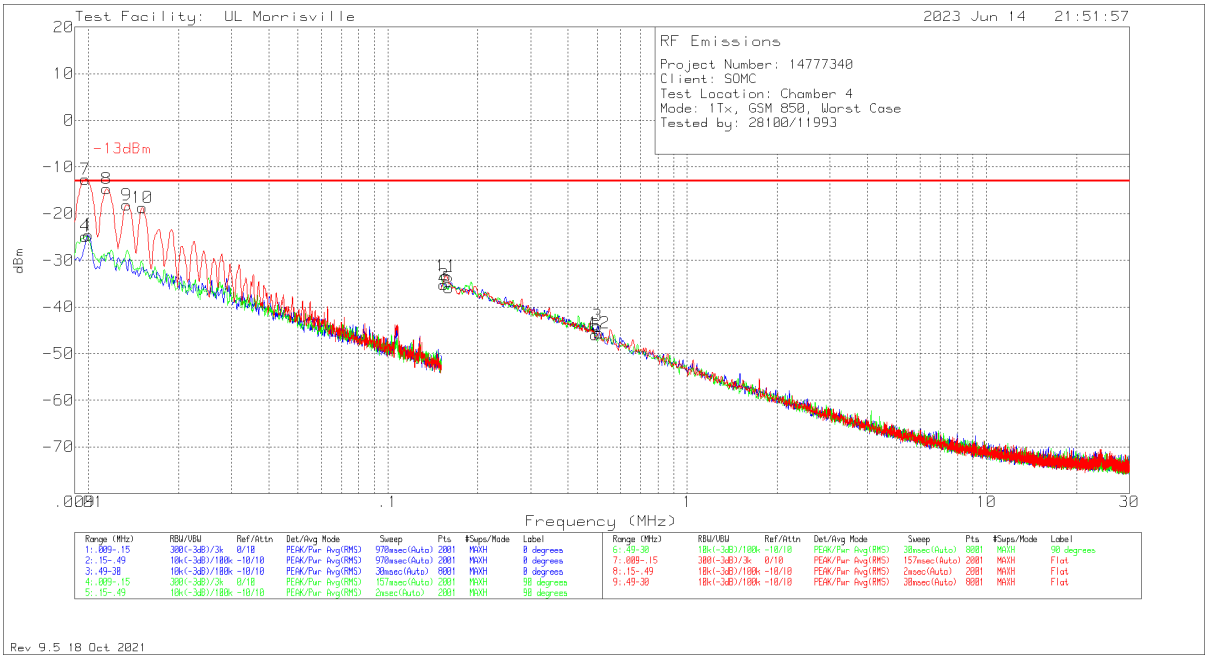
TEST PROCEDURE
KDB 971168 D01 v02r02/D02 v01

RESULTS

Note: EUT Serial Number: QV77007DHJ
Note2: Only Test data with emissions <20dB from the limit are reported.

10.2.1. Worst-Case Emissions for 2G

Spurious below 30MHz

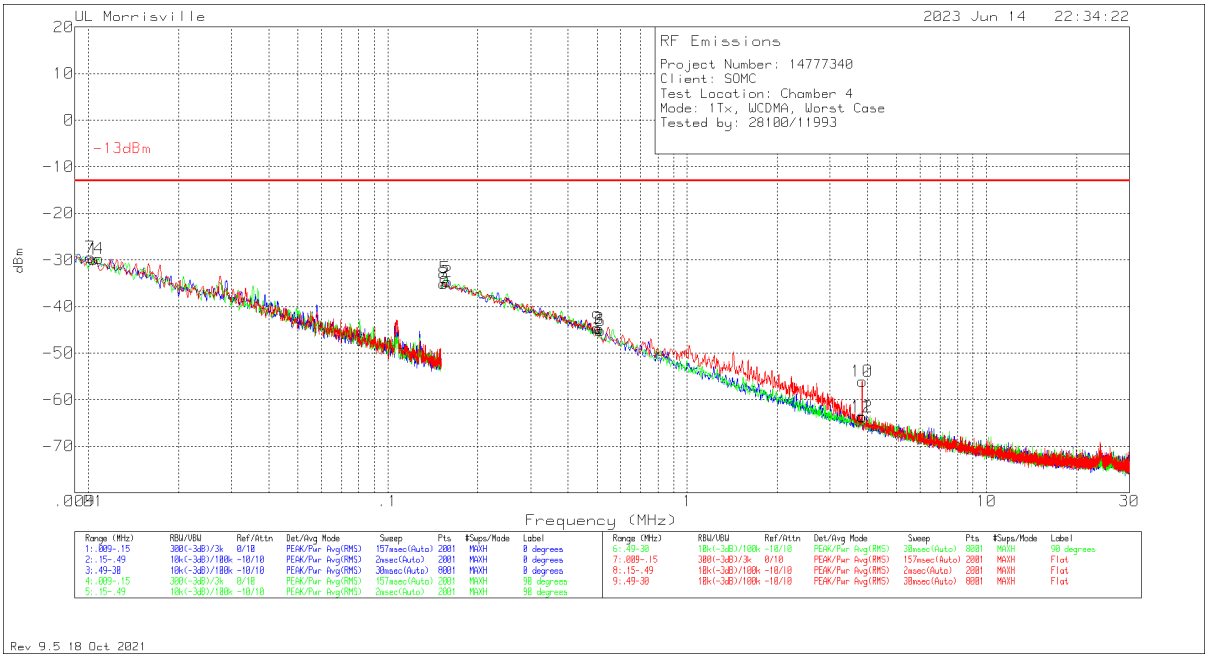


Marker	Frequency (MHz)	Meter Reading (dBm)	Det	135144 (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	Corrected Reading dBm	-13dBm	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Loop Angle
4	.00978	-56.23	Pk	19.5	.1	11.8	-24.83	-13	-11.83	0-360	100	90 degs
7	.00976	-47.6	Pk	19.5	.1	11.8	-16.2	-13	-3.2	285	100	Flat
1	.00999	-55.74	Pk	19.3	.1	11.8	-24.54	-13	-11.54	0-360	100	0 degs
8	.01183	-50.17	Pk	18.5	.1	11.8	-19.77	-13	-6.77	287	100	Flat
9	.01347	-50.58	Pk	17.8	.1	11.8	-20.88	-13	-7.88	283	100	Flat
10	.01519	-51.59	Pk	17	.1	11.8	-22.69	-13	-9.69	287	100	Flat
2	.15391	-59.32	Pk	12.2	.1	11.8	-35.22	-13	-22.22	0-360	100	0 degs
11	.1568	-57.42	Pk	12.2	.1	11.8	-33.32	-13	-20.32	0-360	100	Flat
5	.16003	-60	Pk	12.2	.1	11.8	-35.9	-13	-22.9	0-360	100	90 degs
6	.49369	-70.22	Pk	12.2	.2	11.8	-46.02	-13	-33.02	0-360	100	90 degs
3	.50107	-68.23	Pk	12.2	.2	11.8	-44.03	-13	-31.03	0-360	100	0 degs
12	.50845	-69.73	Pk	12.2	.2	11.8	-45.53	-13	-32.53	0-360	100	Flat

Pk - Peak detector

10.2.2. Worst-Case Emissions for 3G

Spurious below 30MHz

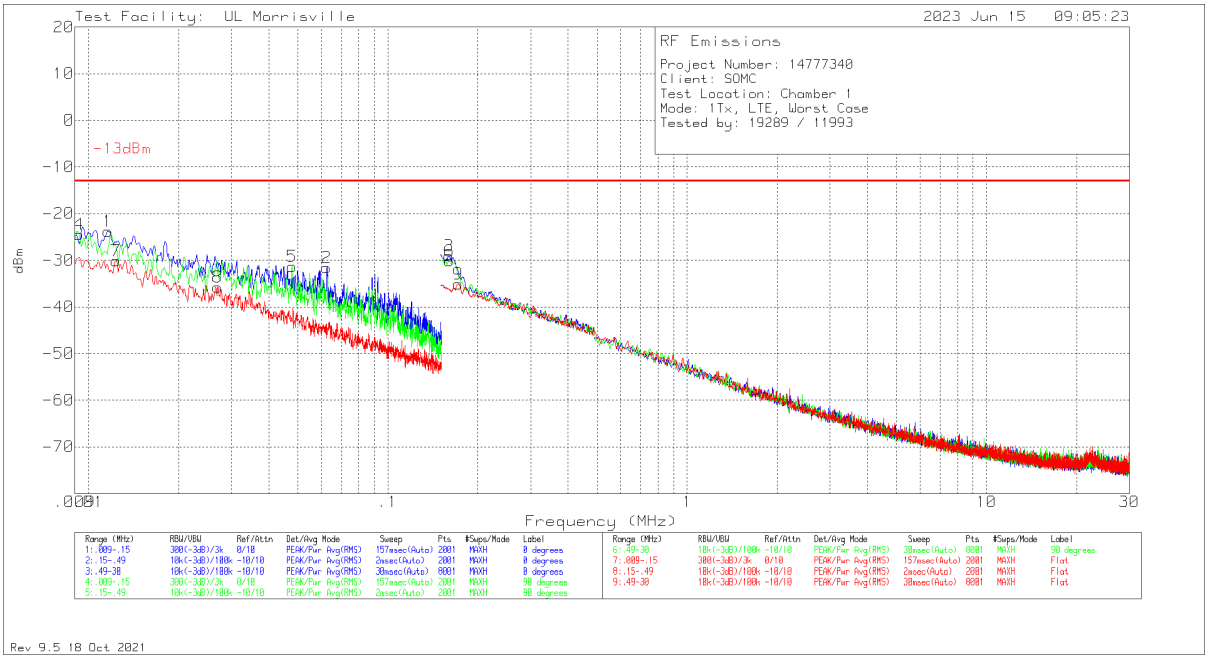


Marker	Frequency (MHz)	Meter Reading (dBm)	Det	135144 (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	Corrected Reading dBm	-13dBm	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Loop Angle
7	.01014	-60.58	Pk	19.2	.1	11.8	-29.48	-13	-16.48	0-360	100	Flat
1	.01042	-60.89	Pk	19.1	.1	11.8	-29.89	-13	-16.89	0-360	100	0 degs
4	.01085	-60.47	Pk	18.9	.1	11.8	-29.67	-13	-16.67	0-360	100	90 degs
8	.15374	-59.16	Pk	12.2	.1	11.8	-35.06	-13	-22.06	0-360	100	Flat
5	.15544	-57.98	Pk	12.2	.1	11.8	-33.88	-13	-20.88	0-360	100	90 degs
2	.15816	-58.73	Pk	12.2	.1	11.8	-34.63	-13	-21.63	0-360	100	0 degs
9	.50107	-68.89	Pk	12.2	.2	11.8	-44.69	-13	-31.69	0-360	100	Flat
3	.50845	-68.95	Pk	12.2	.2	11.8	-44.75	-13	-31.75	0-360	100	0 degs
6	.51213	-69.37	Pk	12.2	.2	11.8	-45.17	-13	-32.17	0-360	100	90 degs
11	3.82486	-87.96	Pk	12.1	.5	11.8	-63.56	-13	-50.56	0-360	100	0 degs
12	3.83961	-88.09	Pk	12.1	.5	11.8	-63.69	-13	-50.69	0-360	100	90 degs
10	3.83961	-80.46	Pk	12.1	.5	11.8	-56.06	-13	-43.06	0-360	100	Flat

Pk - Peak detector

10.2.3. Worst-Case Emissions for 4G

Spurious below 30MHz



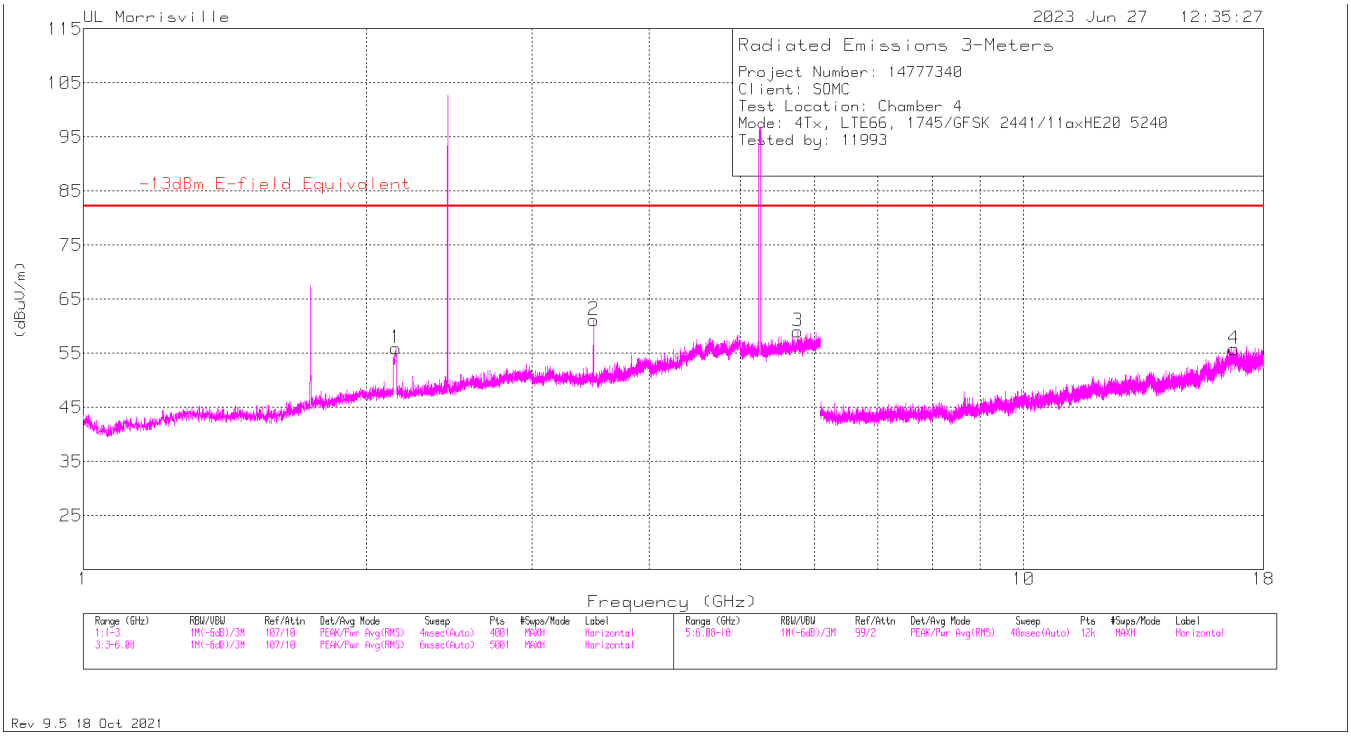
Marker	Frequency (MHz)	Meter Reading (dBm)	Det	135144 (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	Corrected Reading dBm	-13dBm	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Loop Angle
4	.00928	-56.17	Pk	19.8	.1	11.8	-24.47	-13	-11.47	0-360	404	90 degs
1	.01163	-54.24	Pk	18.6	.1	11.8	-23.74	-13	-10.74	0-360	404	0 degs
7	.01234	-60.31	Pk	18.3	.1	11.8	-30.11	-13	-17.11	0-360	404	Flat
8	.02703	-62.01	Pk	14.4	.1	11.8	-35.71	-13	-22.71	0-360	404	Flat
5	.04791	-56.02	Pk	12.8	.1	11.8	-31.32	-13	-18.32	0-360	404	90 degs
2	.06253	-55.91	Pk	12.4	.1	11.8	-31.61	-13	-18.61	0-360	404	0 degs
3	.15995	-53.08	Pk	12.2	.1	11.8	-28.98	-13	-15.98	0-360	404	0 degs
6	.16037	-54.24	Pk	12.2	.1	11.8	-30.14	-13	-17.14	0-360	404	90 degs
9	.17159	-59.13	Pk	12.2	.1	11.8	-35.03	-13	-22.03	0-360	404	Flat

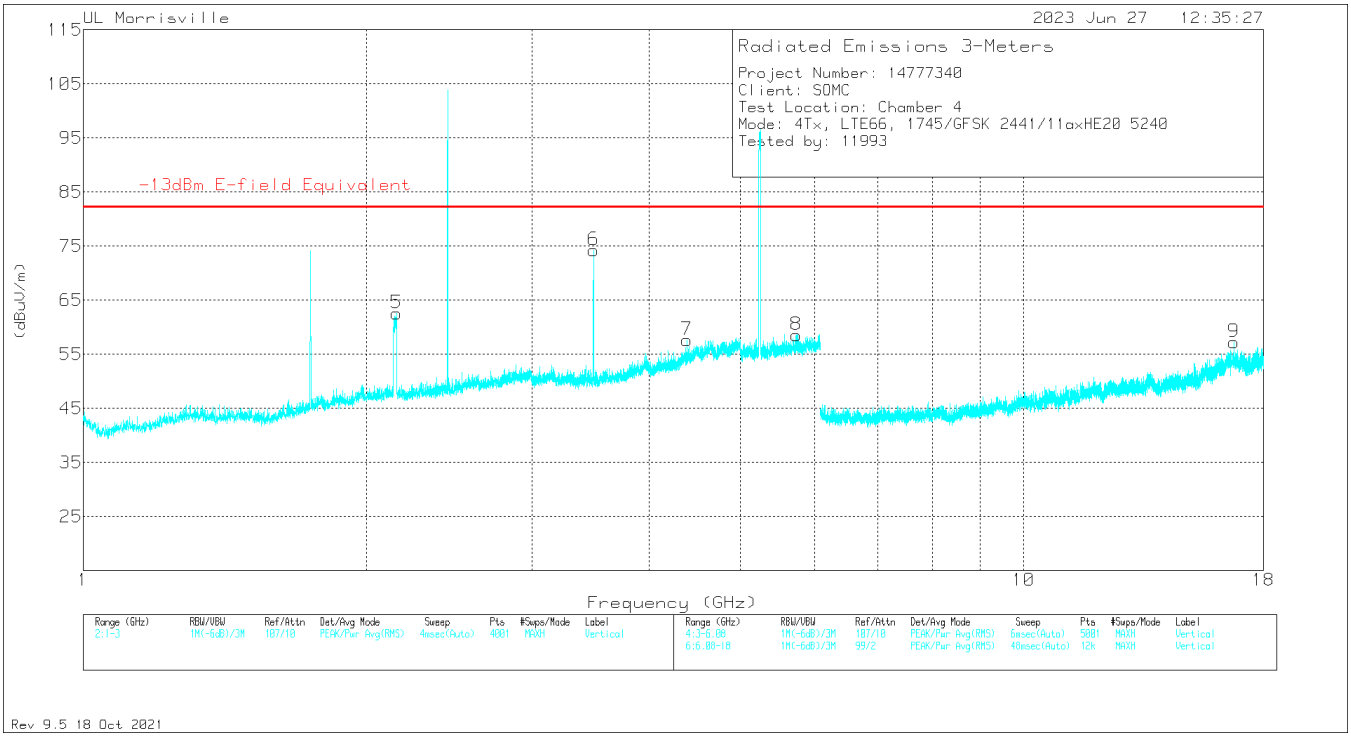
Pk - Peak detector

10.3. Simultaneous Transmission

EUT SN: QV77007DHJ

10.3.1. Scan 1



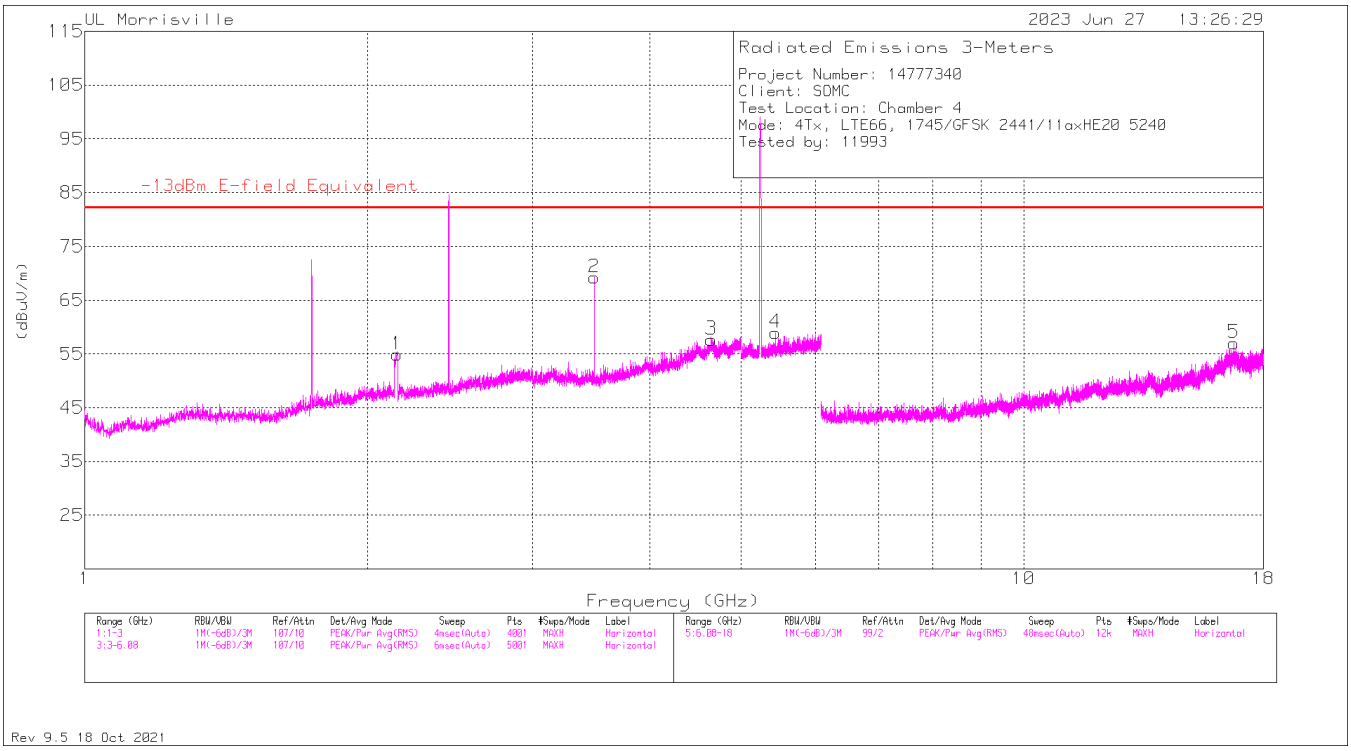


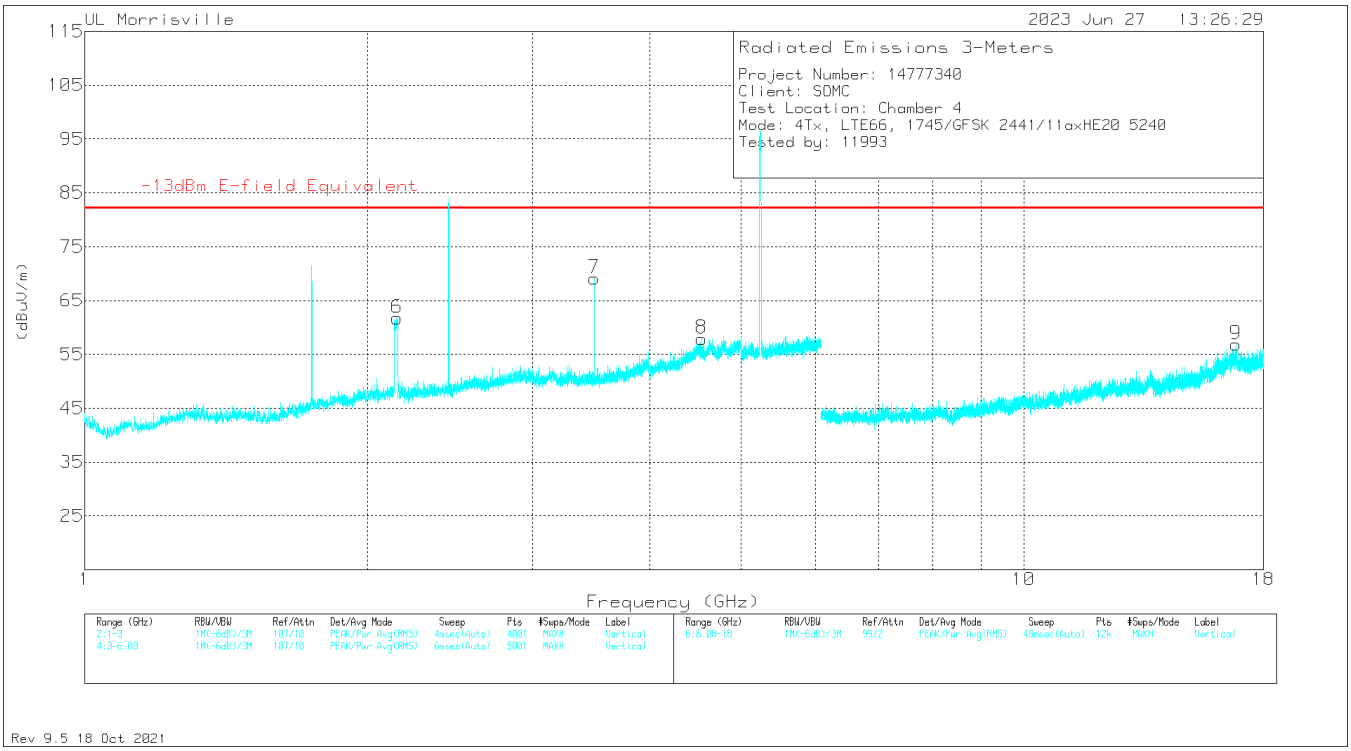
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Filter (dB)	Corrected Reading (dBuV/m)	-13dBm E-field Equivalent	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	3.48849	39.63	Pk	32.9	-11.4	0	61.13	82.2	-21.07	0-360	100	H
6	3.48849	52.77	Pk	32.9	-11.4	0	74.27	82.2	-7.93	0-360	200	V
7	4.38538	34.56	Pk	33.6	-10.5	0	57.66	82.2	-24.54	0-360	200	V
8	5.7375	32.21	Pk	34.7	-8.3	0	58.61	82.2	-23.59	0-360	200	V
3	5.75106	32.9	Pk	34.7	-8.5	0	59.1	82.2	-23.1	0-360	100	H
4	16.75038	33.07	Pk	41.9	-19.2	0	55.77	82.2	-26.43	0-360	100	H
9	16.75038	34.53	Pk	41.9	-19.2	0	57.23	82.2	-24.97	0-360	200	V
1	2.151 (DL)	36.91	Pk	31.6	-13.6	1.1	56.01	-	-	0-360	100	H
5	2.1535 (DL)	43.45	Pk	31.6	-13.6	1.1	62.55	-	-	0-360	200	V

Pk - Peak detector

DL – Downlink from Callbox

10.3.2. Scan 2



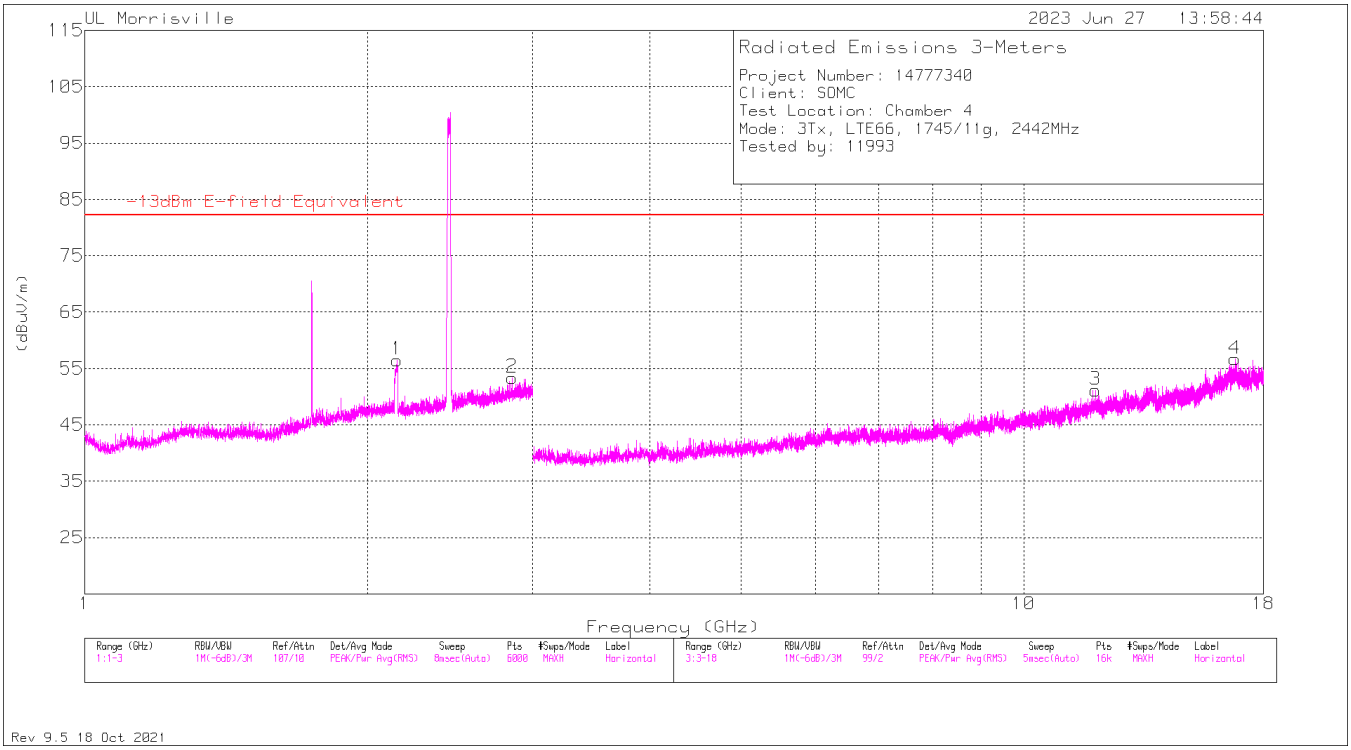


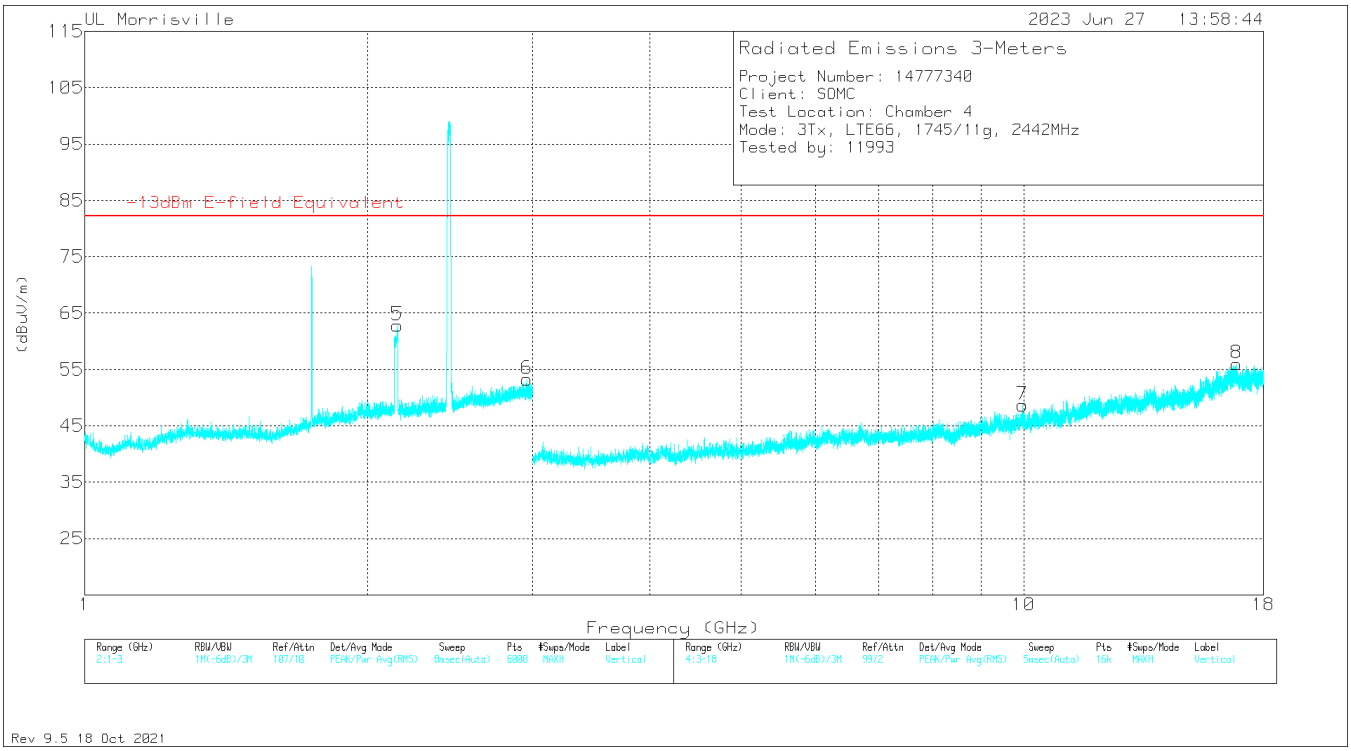
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Filter (dB)	Corrected Reading (dBuV/m)	-13dBm E-field Equivalent	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.1495 (DL)	35.79	Pk	31.6	-13.6	1.1	54.89	-	-	0-360	100	H
6	2.1515 (DL)	42.66	Pk	31.6	-13.6	1.1	61.76	-	-	0-360	200	V
2	3.48849	47.72	Pk	32.9	-11.4	0	69.22	82.2	-12.98	0-360	100	H
7	3.48849	47.63	Pk	32.9	-11.4	0	69.13	82.2	-13.07	0-360	200	V
8	4.54246	34.34	Pk	33.9	-10.3	0	57.94	82.2	-24.26	0-360	200	V
3	4.6478	33.57	Pk	34.1	-10	0	57.67	82.2	-24.53	0-360	100	H
4	5.44244	33.26	Pk	34.6	-8.9	0	58.96	82.2	-23.24	0-360	100	H
5	16.74542	35.11	Pk	41.9	-20	0	57.01	82.2	-25.19	0-360	100	H
9	16.81992	34.07	Pk	41.9	-19.1	0	56.87	82.2	-25.33	0-360	200	V

Pk - Peak detector

DL – Downlink from Callbox

10.3.3. Scan 3



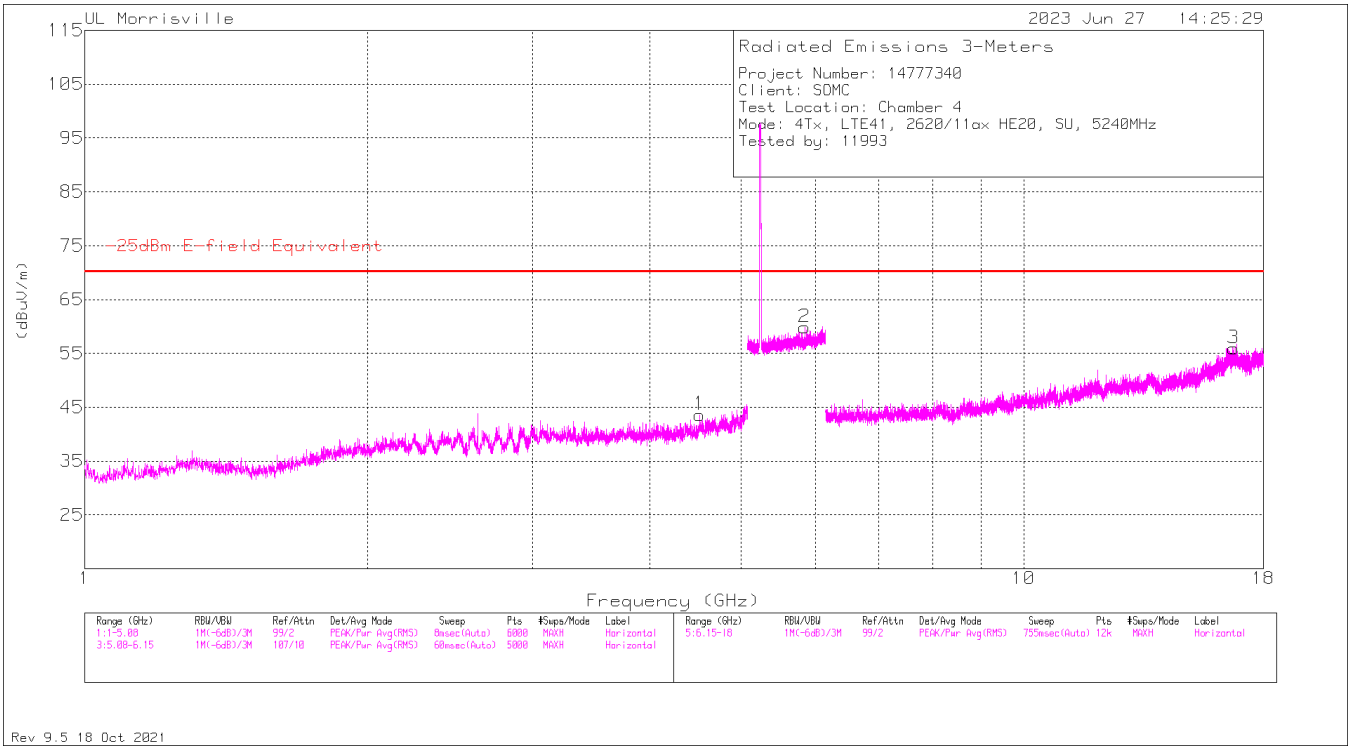


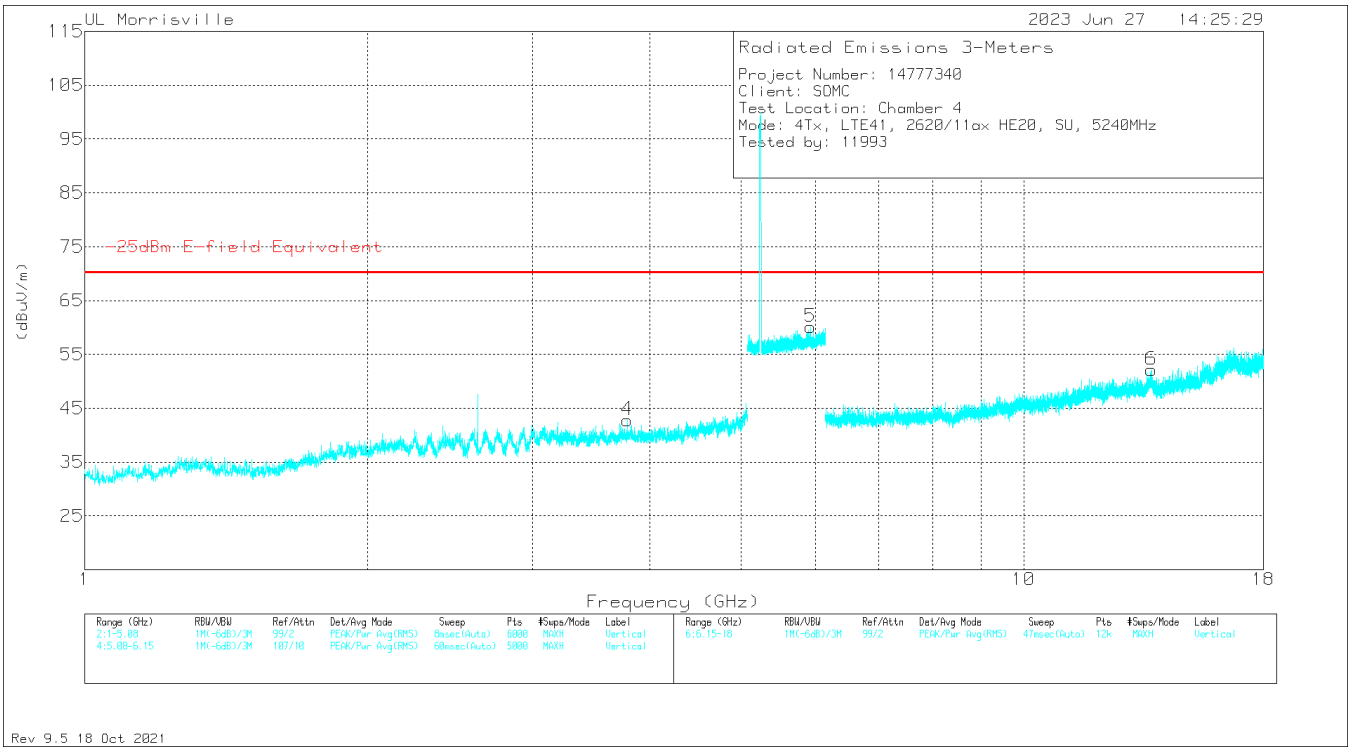
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Filter (dB)	Corrected Reading (dBuV/m)	-13dBm E-field Equivalent	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
7	9.97688	37.2	Pk	37.2	-25.7	0	48.7	82.2	-33.5	0-360	200	V
3	11.92219	35.67	Pk	38.6	-23.1	0	51.17	82.2	-31.03	0-360	100	H
4	16.785	34.4	Pk	41.9	-19.6	0	56.7	82.2	-25.5	0-360	100	H
8	16.84781	33.32	Pk	41.9	-19.2	0	56.02	82.2	-26.18	0-360	200	V
1	2.15119 (DL)	37.42	Pk	31.6	-13.6	1.1	56.52	-	-	0-360	100	H
5	2.15253 (DL)	43.75	Pk	31.6	-13.6	1.1	62.85	-	-	0-360	200	V
2	2.85364	32.89	Pk	32.4	-12.3	.4	53.39	82.2	-28.81	0-360	100	H
6	2.95733	31.99	Pk	32.8	-11.9	.4	53.29	82.2	-28.91	0-360	200	V

Pk - Peak detector

DL – Downlink from Callbox

10.3.4. Scan 4

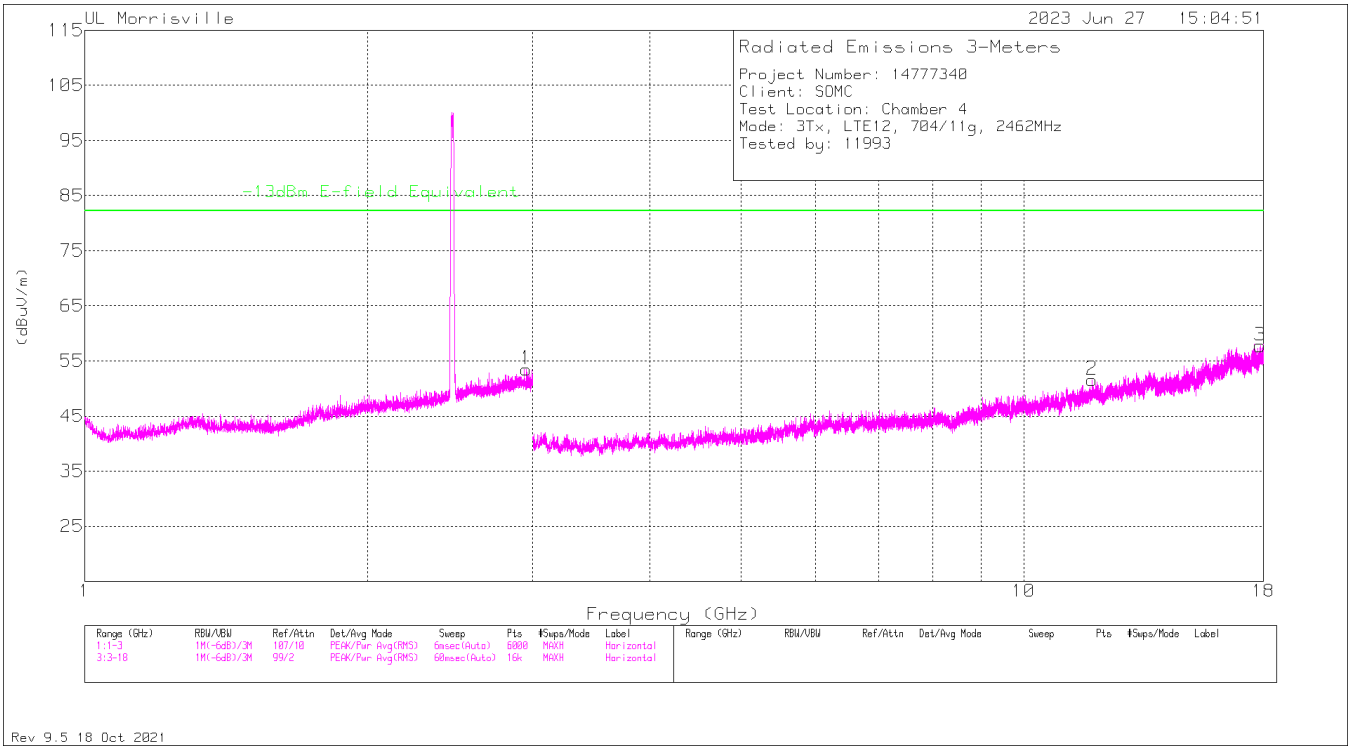


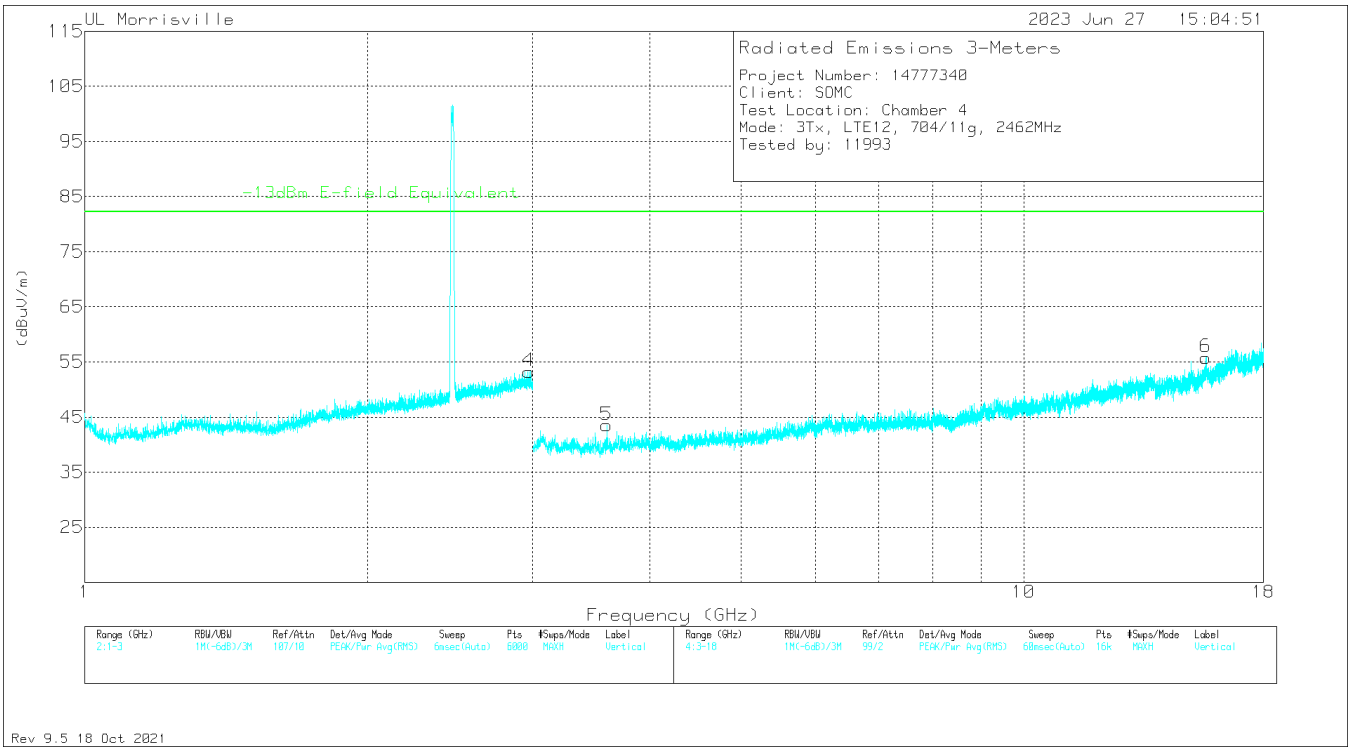


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Filter (dB)	Corrected Reading (dBuV/m)	-25dBm E-field Equivalent	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	3.78438	41.68	Pk	33.2	-32.9	.8	42.78	70.2	-27.42	0-360	200	V
1	4.5189	40.29	Pk	33.8	-31.3	.8	43.59	70.2	-26.61	0-360	100	H
2	5.84349	33.64	Pk	34.8	-8.6	0	59.84	70.2	-10.36	0-360	100	H
5	5.92526	33.38	Pk	35	-8.3	0	60.08	70.2	-10.12	0-360	200	V
6	13.67673	34.93	Pk	38.6	-21.4	0	52.13	70.2	-18.07	0-360	200	V
3	16.73008	34.02	Pk	41.9	-20	0	55.92	70.2	-14.28	0-360	100	H

Pk - Peak detector

10.3.5. Scan 5





Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Filter (dB)	Corrected Reading (dBuV/m)	-13dBm E-field Equivalent	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.95133	31.99	Pk	32.8	-12	.7	53.49	82.2	-28.71	0-360	100	H
4	2.97066	32.06	Pk	32.9	-12.2	.5	53.26	82.2	-28.94	0-360	200	V
5	3.59531	43.81	Pk	32.9	-33.8	.6	43.51	82.2	-38.69	0-360	200	V
2	11.8275	35.68	Pk	38.6	-23.5	.8	51.58	82.2	-30.62	0-360	100	H
6	15.63563	34.12	Pk	40.3	-19.7	1.1	55.82	82.2	-26.38	0-360	200	V
3	17.8575	33.06	Pk	41.4	-18.6	1.9	57.76	82.2	-24.44	0-360	100	H

Pk - Peak detector

11. SETUP PHOTOS

See R14777340-EP9 for Setup Photos.

END OF REPORT