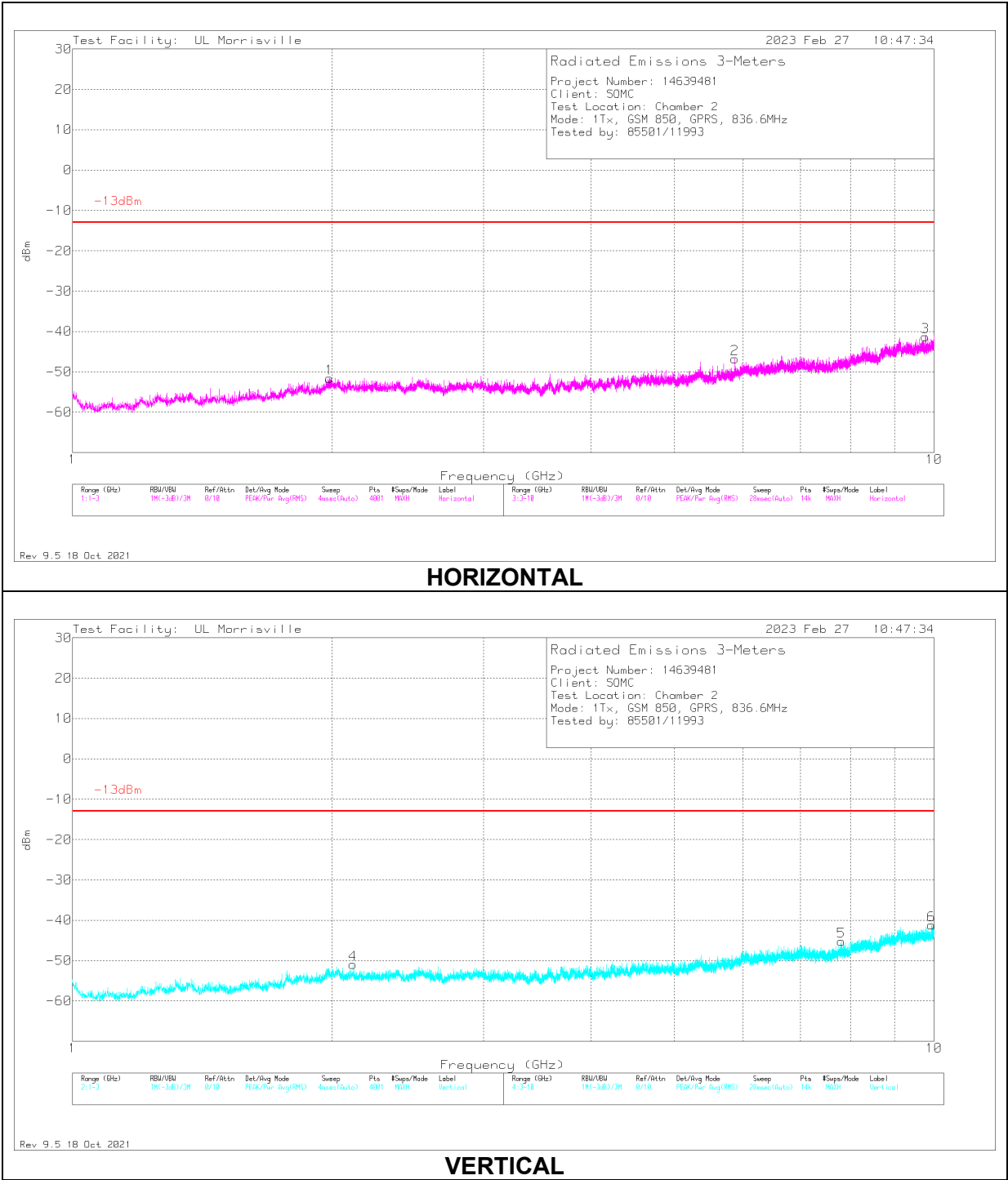


Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	206211 (dB/m)	Gain/Loss (dB)	Filter (dB)	CF (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	4.2235	-64.67	Pk	33.2	-30.6	.6	11.8	-49.67	-13	-36.67	0-360	100	H
4	5.8645	-64.65	Pk	34.9	-29.7	.3	11.8	-47.35	-13	-34.35	0-360	300	V
5	8.2195	-64.99	Pk	35.7	-26.7	.4	11.8	-43.79	-13	-30.79	0-360	200	V
6	9.107	-64.14	Pk	36.2	-25.6	.6	11.8	-41.14	-13	-28.14	0-360	200	V
2	9.4355	-64.2	Pk	36.5	-25.8	.4	11.8	-41.3	-13	-28.3	0-360	300	H
3	9.992	-65.34	Pk	37.1	-25.3	.9	11.8	-40.84	-13	-27.84	0-360	200	H

Pk - Peak detector

GPRS Mid Channel

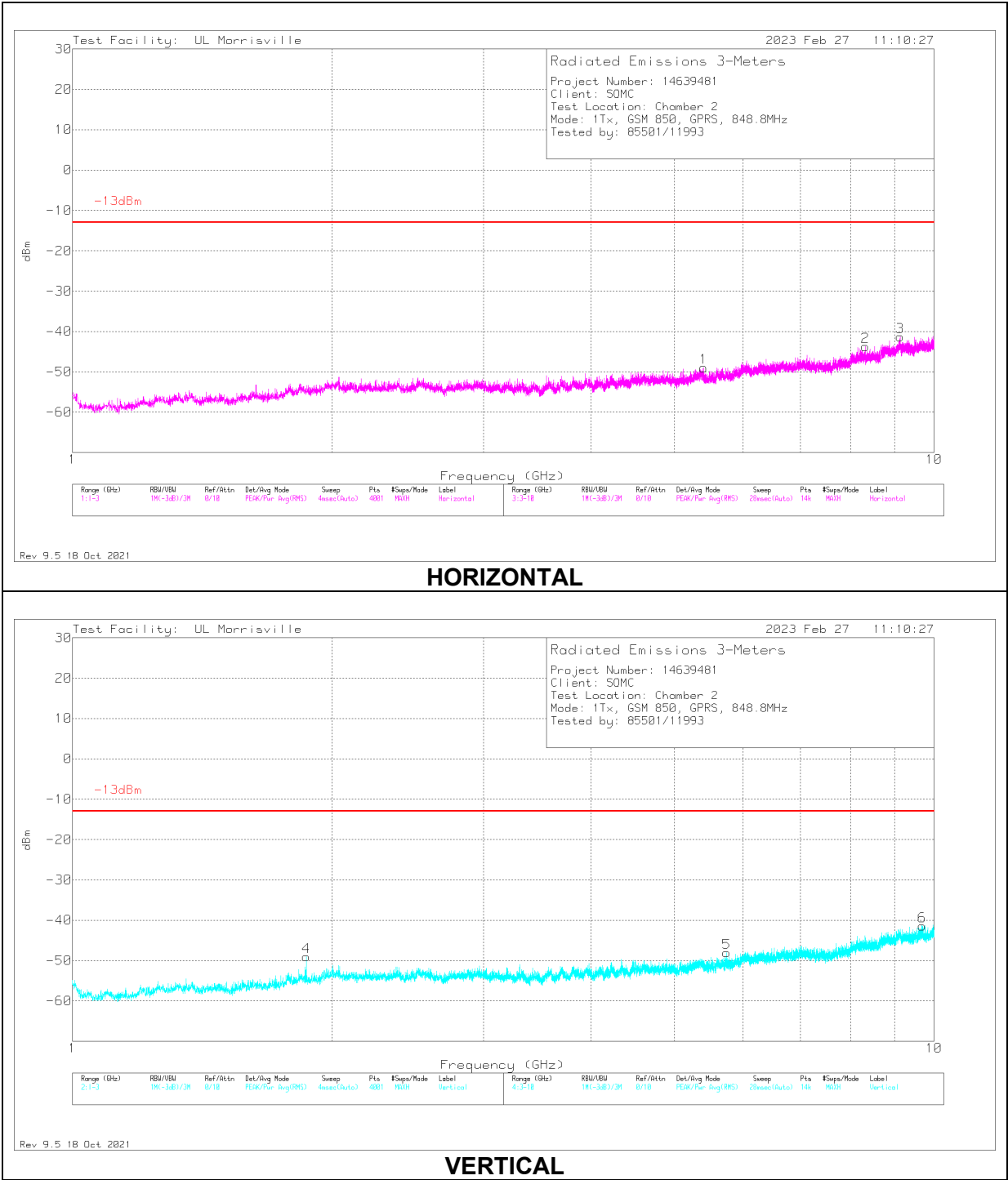


Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	206211 (dB/m)	Gain/Loss (dB)	Filter (dB)	CF (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.988	-72.39	Pk	31.2	-22.6	.4	11.8	-51.59	-13	-38.59	0-360	100	H
4	2.116	-71.9	Pk	31.4	-22.7	.4	11.8	-51	-13	-38	0-360	200	V
2	5.8755	-64.51	Pk	34.9	-29.3	.4	11.8	-46.71	-13	-33.71	0-360	299	H
5	7.8095	-66.22	Pk	35.7	-26.8	.3	11.8	-45.22	-13	-32.22	0-360	200	V
3	9.7645	-65.09	Pk	36.8	-25.1	.3	11.8	-41.29	-13	-28.29	0-360	100	H
6	9.9315	-65.72	Pk	37.1	-24.8	.5	11.8	-41.12	-13	-28.12	0-360	200	V

Pk - Peak detector

GPRS High Channel

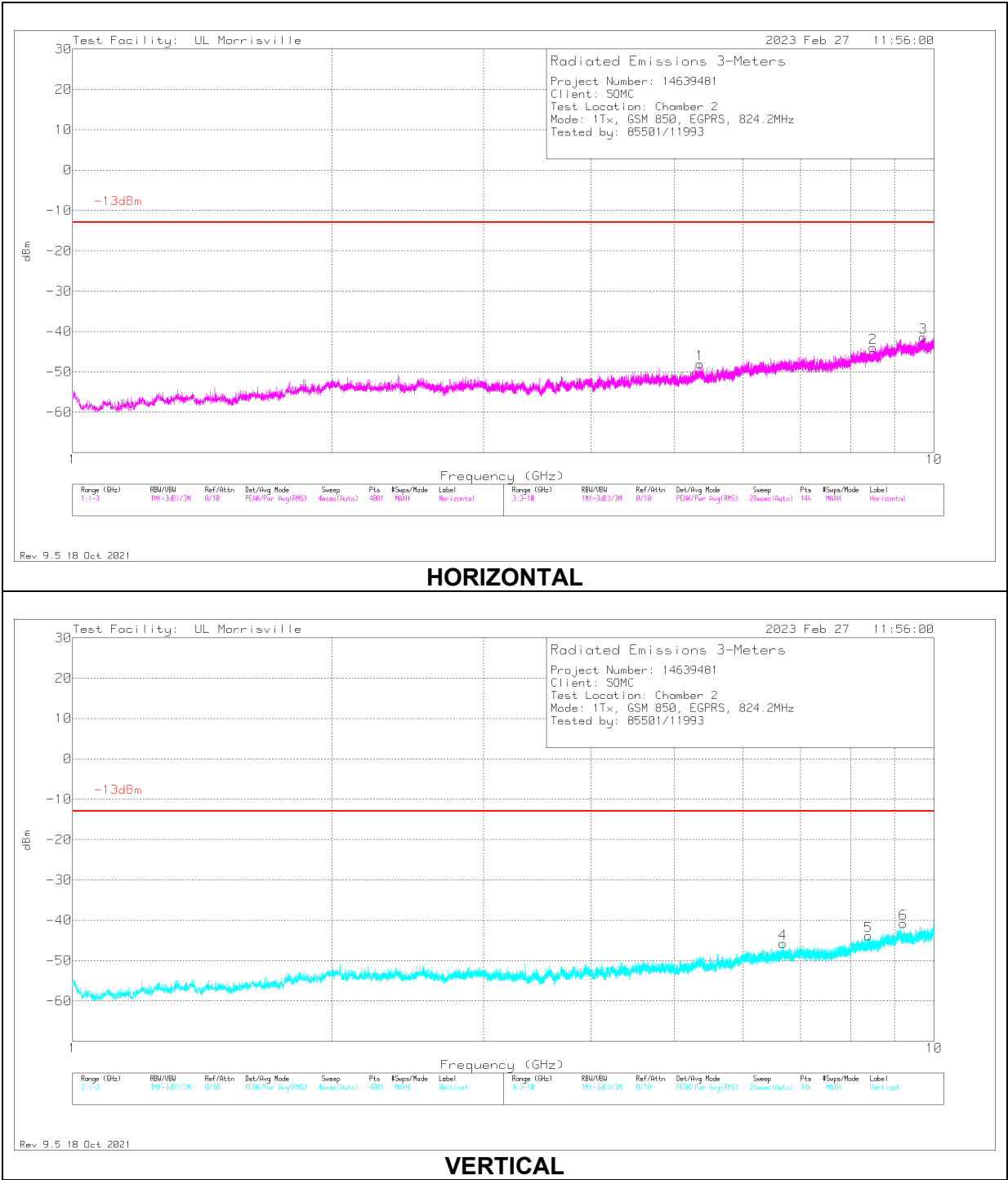


Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	206211 (dB/m)	Gain/Loss (dB)	Filter (dB)	CF (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	1.8685	-69.32	Pk	30.5	-22.4	.4	11.8	-49.02	-13	-36.02	0-360	200	V
1	5.404	-65.68	Pk	34.4	-29.7	.2	11.8	-48.98	-13	-35.98	0-360	200	H
5	5.7465	-65.12	Pk	34.6	-29.7	.4	11.8	-48.02	-13	-35.02	0-360	100	V
2	8.3195	-65.24	Pk	35.8	-26.4	.3	11.8	-43.74	-13	-30.74	0-360	300	H
3	9.131	-64.71	Pk	36.2	-25.1	.5	11.8	-41.31	-13	-28.31	0-360	300	H
6	9.6865	-65.11	Pk	36.7	-25.3	.5	11.8	-41.41	-13	-28.41	0-360	200	V

Pk - Peak detector

EGPRS Low Channel

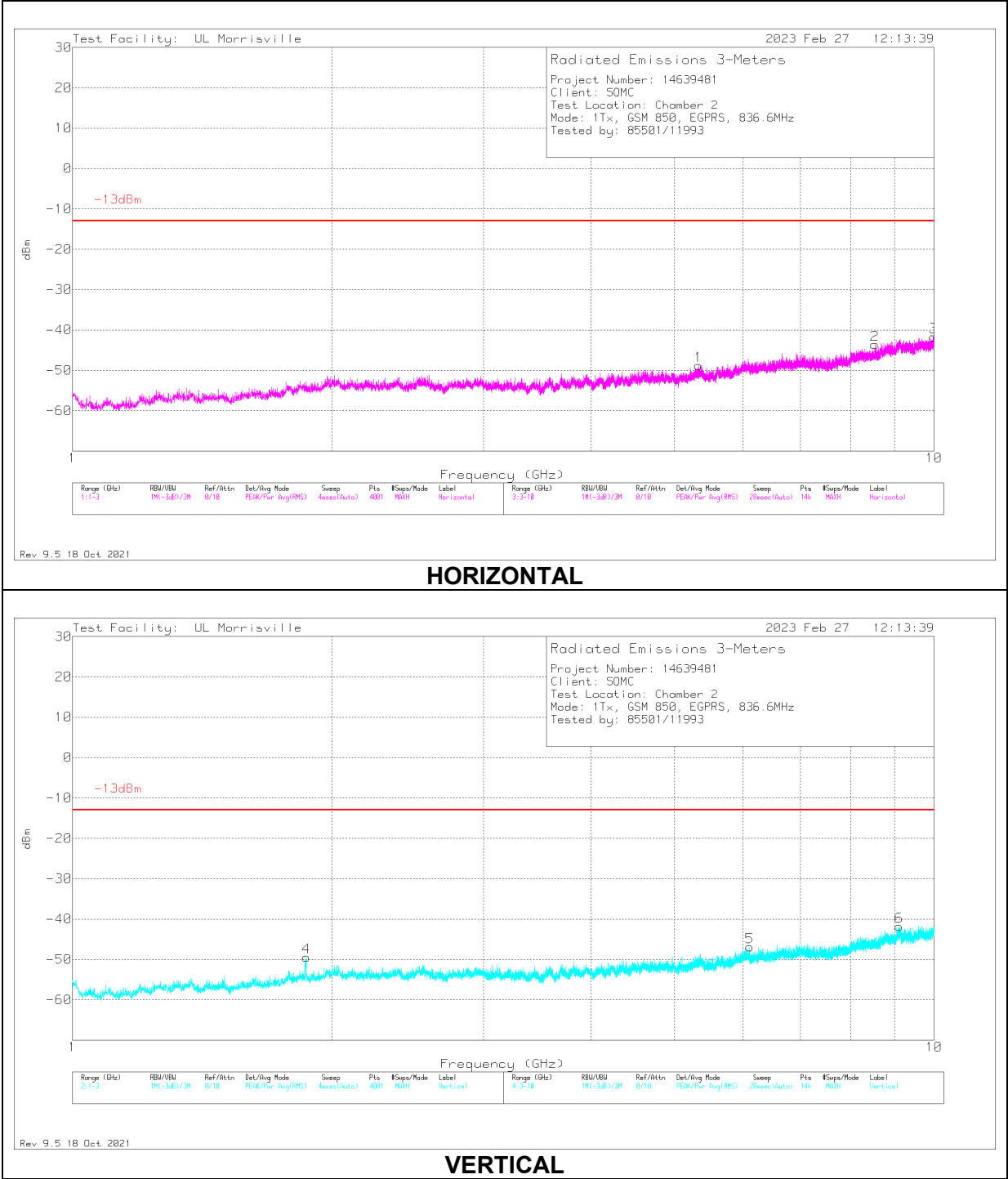


Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	206211 (dB/m)	Gain/Loss (dB)	Filter (dB)	CF (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.348	-66.26	Pk	34.6	-28.5	.3	11.8	-48.06	-13	-35.06	0-360	300	H
4	6.6775	-66.17	Pk	35.6	-27.3	.3	11.8	-45.77	-13	-32.77	0-360	300	V
5	8.396	-65.09	Pk	35.8	-26.8	.5	11.8	-43.79	-13	-30.79	0-360	300	V
2	8.4985	-65.66	Pk	35.9	-26.4	.4	11.8	-43.96	-13	-30.96	0-360	100	H
6	9.2135	-63.65	Pk	36.3	-25.9	.6	11.8	-40.85	-13	-27.85	0-360	200	V
3	9.713	-65.66	Pk	36.8	-24.9	.5	11.8	-41.46	-13	-28.46	0-360	200	H

Pk - Peak detector

EGPRS Mid Channel

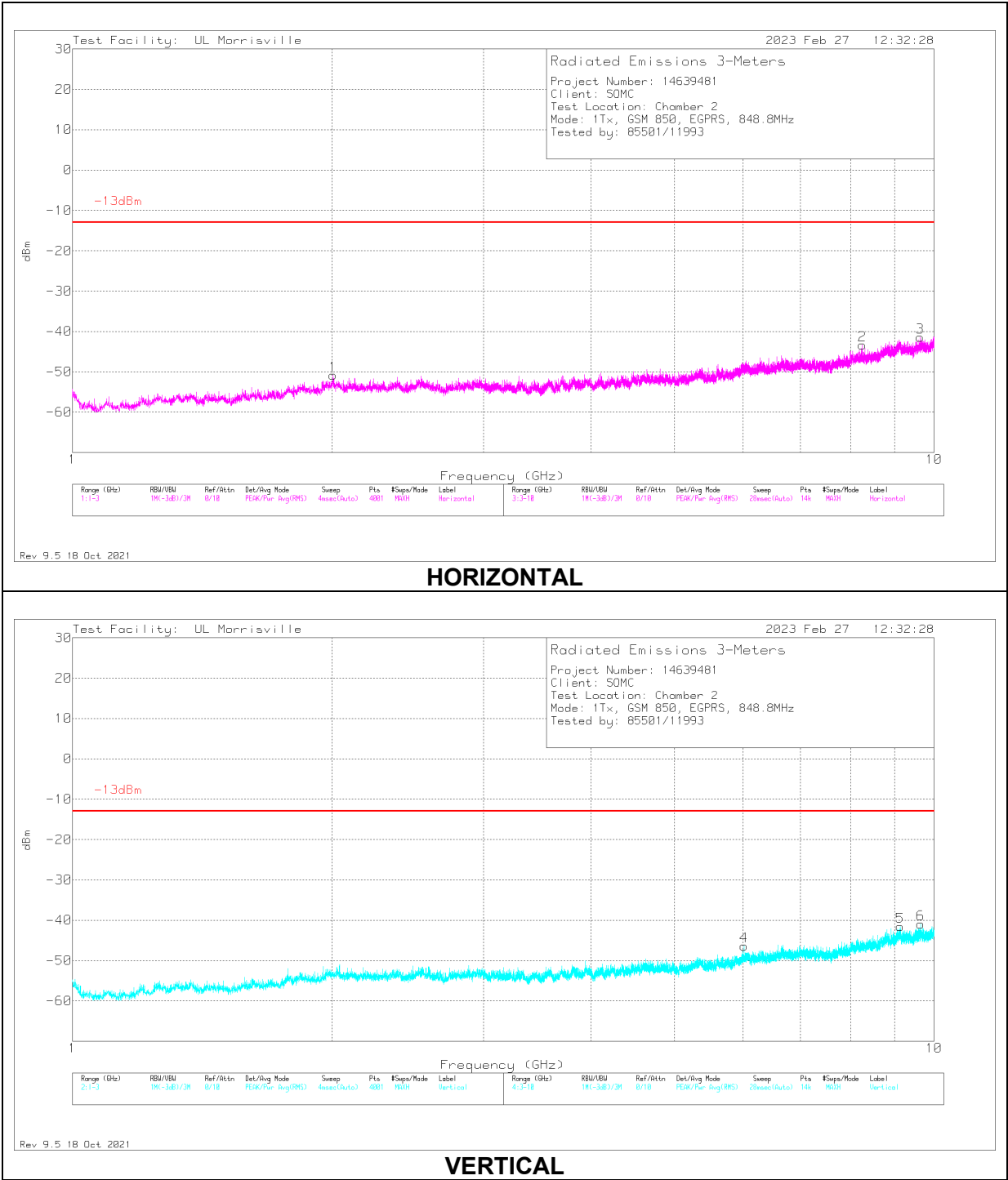


Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	206211 (dB/m)	Gain/Loss (dB)	Filter (dB)	CF (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	1.868	-69.77	Pk	30.5	-22.4	.4	11.8	-49.47	-13	-36.47	0-360	100	V
1	5.328	-66.64	Pk	34.6	-28.9	.3	11.8	-48.84	-13	-35.84	0-360	100	H
5	6.1075	-65.44	Pk	35.3	-28.9	.3	11.8	-46.94	-13	-33.94	0-360	200	V
2	8.538	-65.31	Pk	35.8	-26.4	.5	11.8	-43.61	-13	-30.61	0-360	200	H
6	9.114	-65	Pk	36.2	-25.4	.6	11.8	-41.8	-13	-28.8	0-360	300	V
3	9.989	-66.22	Pk	37.1	-25.2	.9	11.8	-41.62	-13	-28.62	0-360	200	H

Pk - Peak detector

EGPRS High Channel



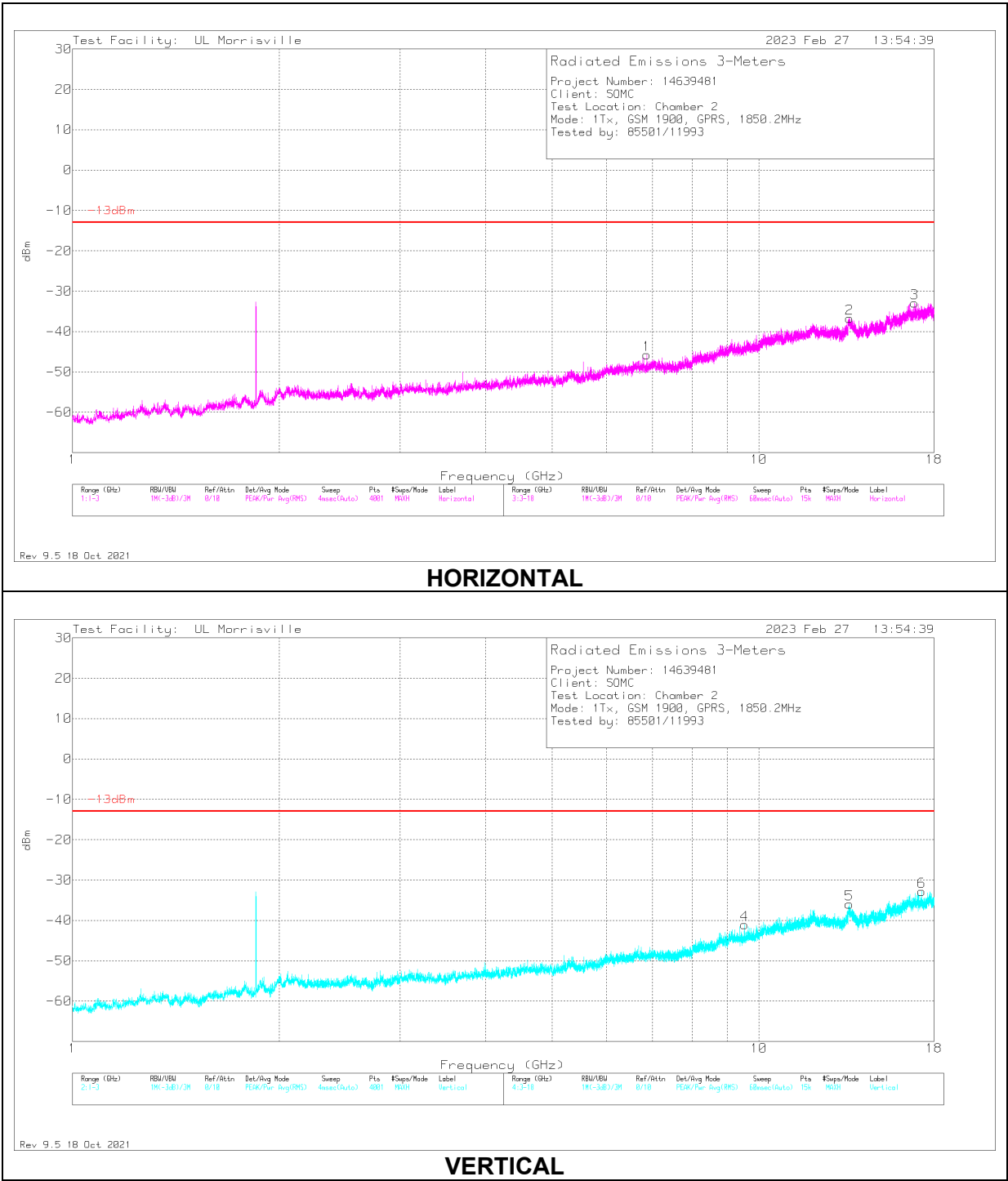
Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	206211 (dB/m)	Gain/Loss (dB)	Filter (dB)	CF (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.006	-72.22	Pk	31.5	-22.3	.4	11.8	-50.82	-13	-37.82	0-360	100	H
4	6.018	-65.93	Pk	35.1	-27.7	.4	11.8	-46.33	-13	-33.33	0-360	300	V
2	8.2575	-64.71	Pk	35.8	-26.7	.5	11.8	-43.31	-13	-30.31	0-360	300	H
5	9.1345	-65.04	Pk	36.2	-25	.5	11.8	-41.54	-13	-28.54	0-360	300	V
3	9.632	-64.75	Pk	36.7	-25.6	.4	11.8	-41.45	-13	-28.45	0-360	199	H
6	9.647	-64.58	Pk	36.7	-25.2	.4	11.8	-40.88	-13	-27.88	0-360	200	V

Pk - Peak detector

10.1.2. GSM 1900

GPRS Low Channel

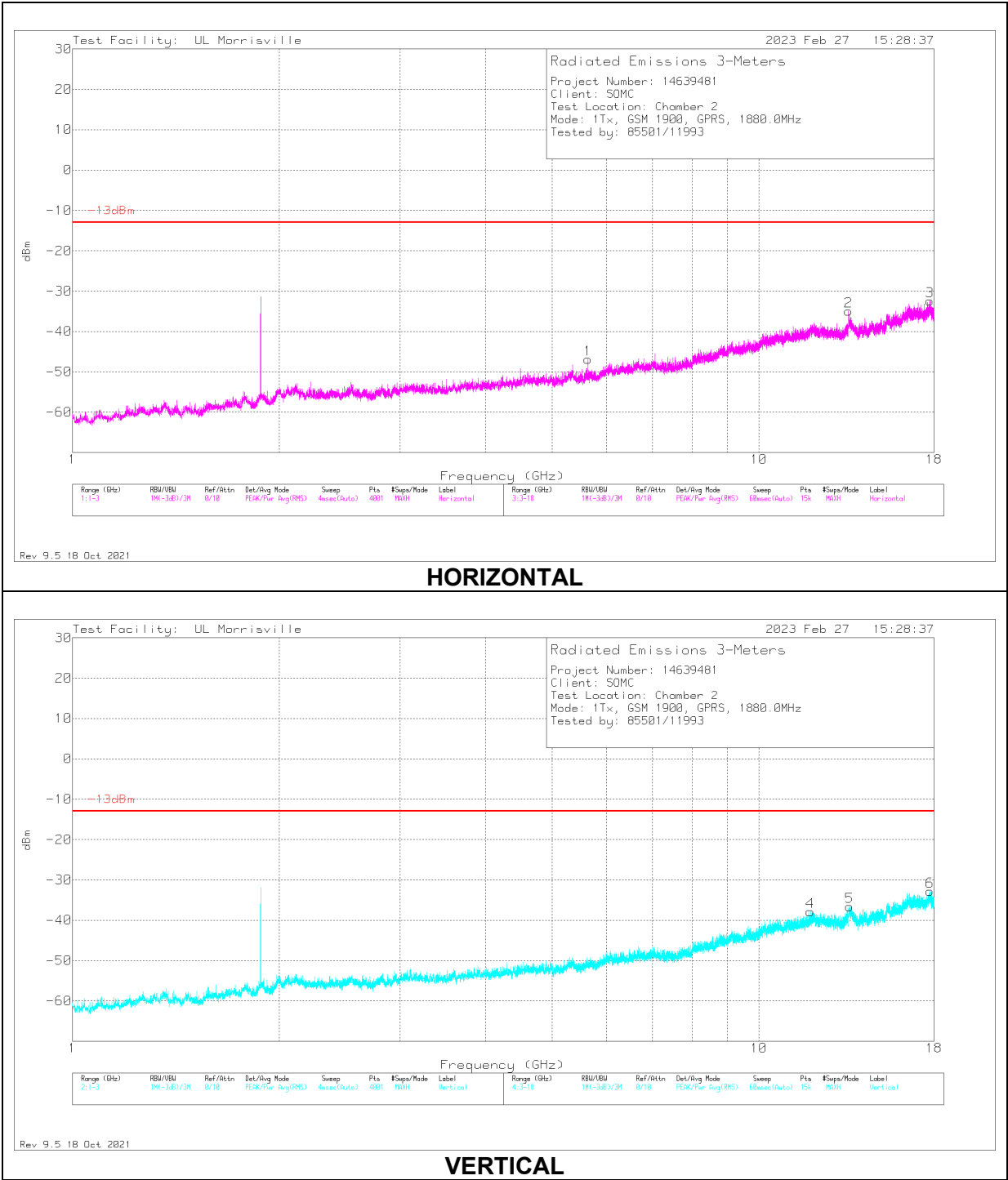


Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	206211 (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	6.872	-65.07	Pk	35.6	-28.1	11.8	0	-45.77	-13	-32.77	0-360	200	H
4	9.531	-64.59	Pk	36.6	-24.9	11.8	0	-41.09	-13	-28.09	0-360	300	V
5	13.546	-62.48	Pk	38.8	-24.1	11.8	0	-35.98	-13	-22.98	0-360	300	V
2	13.554	-63.21	Pk	38.8	-24.1	11.8	0	-36.71	-13	-23.71	0-360	101	H
3	16.853	-64.78	Pk	41.9	-21.9	11.8	0	-32.98	-13	-19.98	0-360	200	H
6	17.271	-63.83	Pk	41.1	-21.9	11.8	0	-32.83	-13	-19.83	0-360	101	V

Pk - Peak detector

GPRS Mid Channel

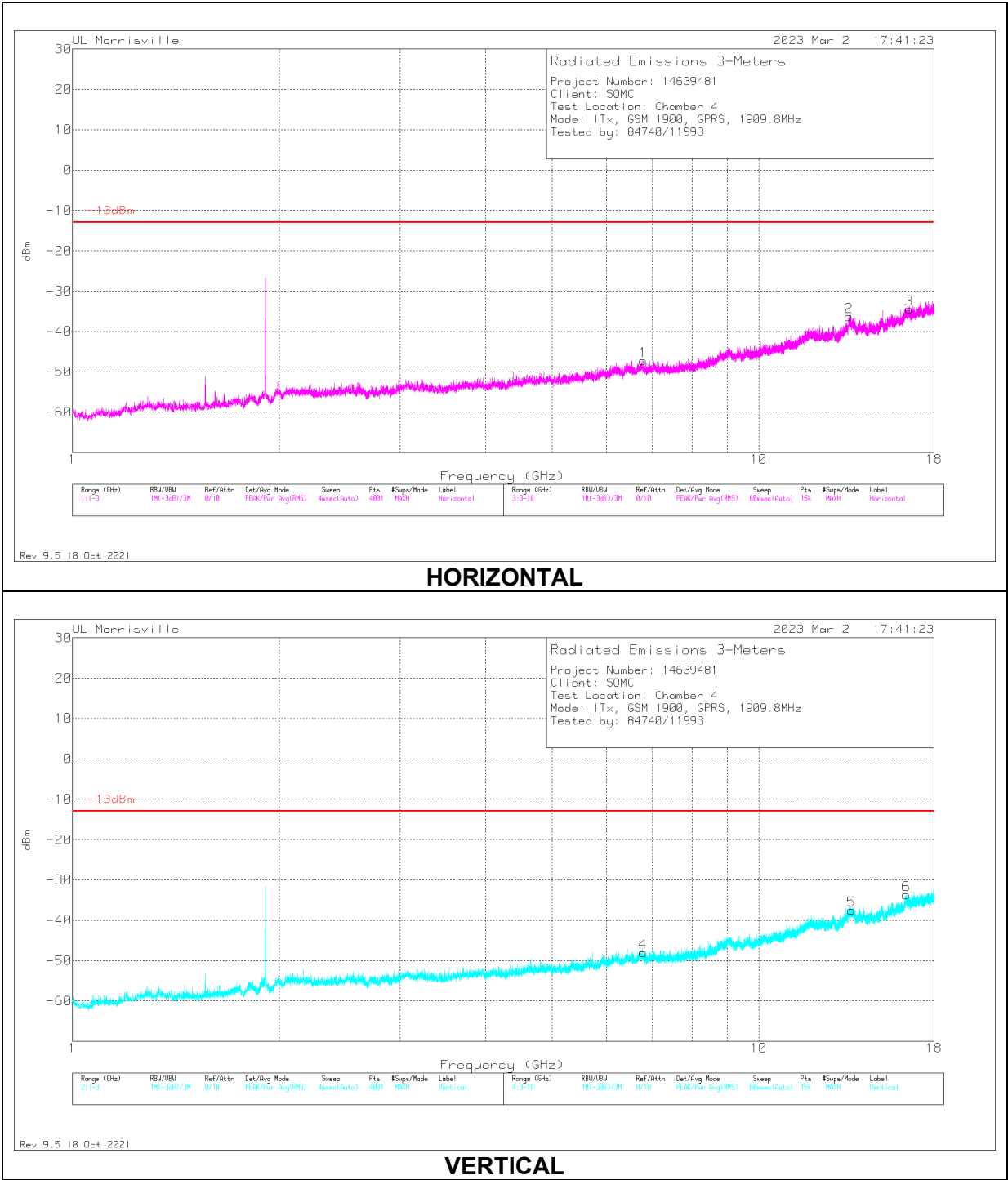


Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	206211 (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.64	-63.87	Pk	34.5	-29.3	11.8	0	-46.87	-13	-33.87	0-360	199	H
4	11.888	-65.03	Pk	38.5	-23.1	11.8	0	-37.83	-13	-24.83	0-360	200	V
2	13.51	-61.5	Pk	38.8	-24	11.8	0	-34.9	-13	-21.9	0-360	101	H
5	13.556	-63.13	Pk	38.8	-24.1	11.8	0	-36.63	-13	-23.63	0-360	300	V
3	17.756	-64.92	Pk	41.2	-20.5	11.8	0	-32.42	-13	-19.42	0-360	299	H
6	17.757	-65.21	Pk	41.2	-20.6	11.8	0	-32.81	-13	-19.81	0-360	200	V

Pk - Peak detector

GPRS High Channel

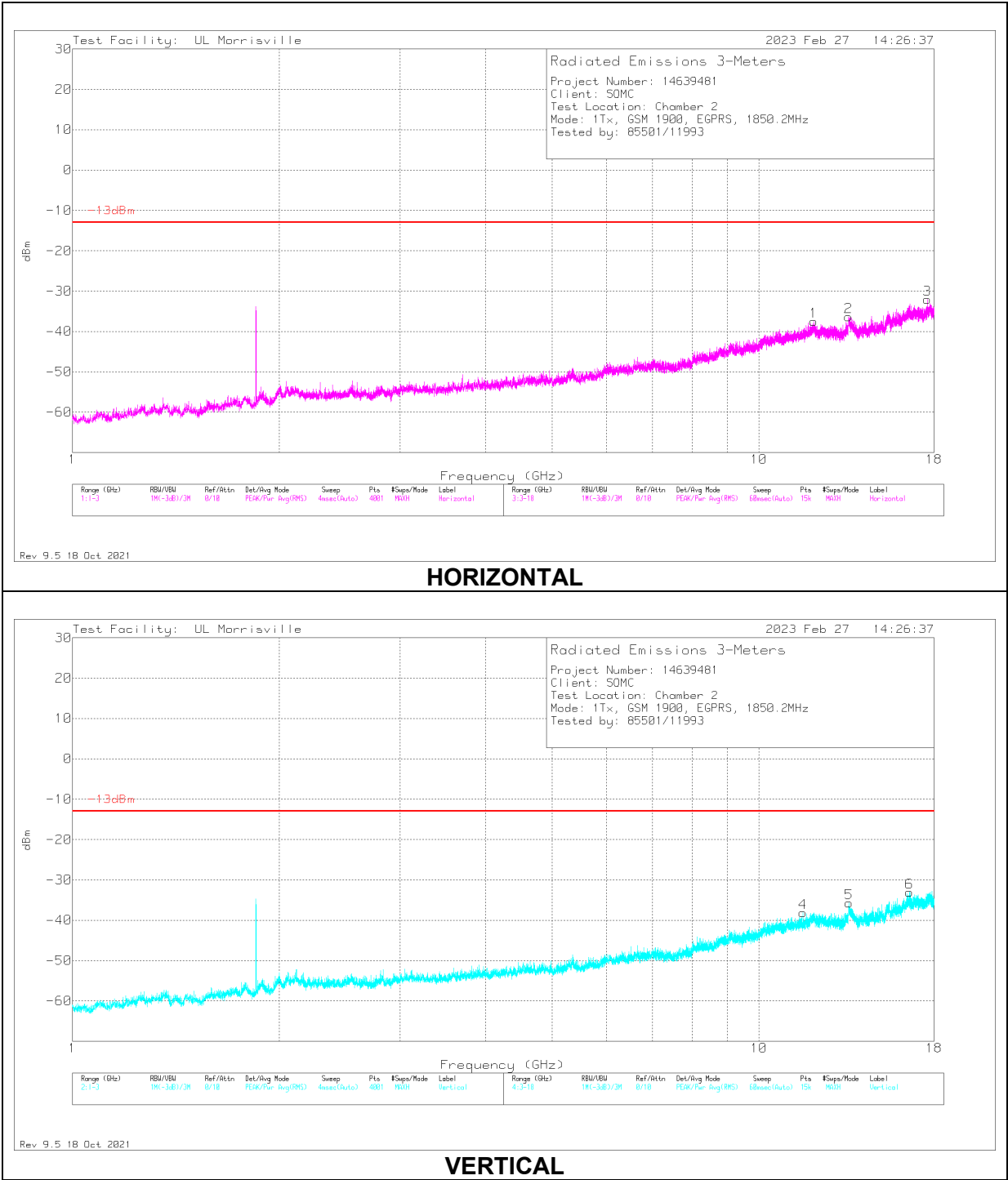


Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0067 (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	6.783	-66.52	Pk	35.6	-28.2	11.8	0	-47.32	-13	-34.32	0-360	200	H
2	13.537	-65	Pk	38.7	-21.9	11.8	0	-36.4	-13	-23.4	0-360	200	H
3	16.583	-67.38	Pk	41.1	-20	11.8	0	-34.48	-13	-21.48	0-360	100	H
4	6.781	-67.26	Pk	35.6	-28.2	11.8	0	-48.06	-13	-35.06	0-360	300	V
5	13.6475	-65.66	Pk	38.7	-22.3	11.8	0	-37.46	-13	-24.46	0-360	300	V
6	16.415	-65.95	Pk	40.8	-20.3	11.8	0	-33.65	-13	-20.65	0-360	300	V

Pk - Peak detector

EGPRS Low Channel

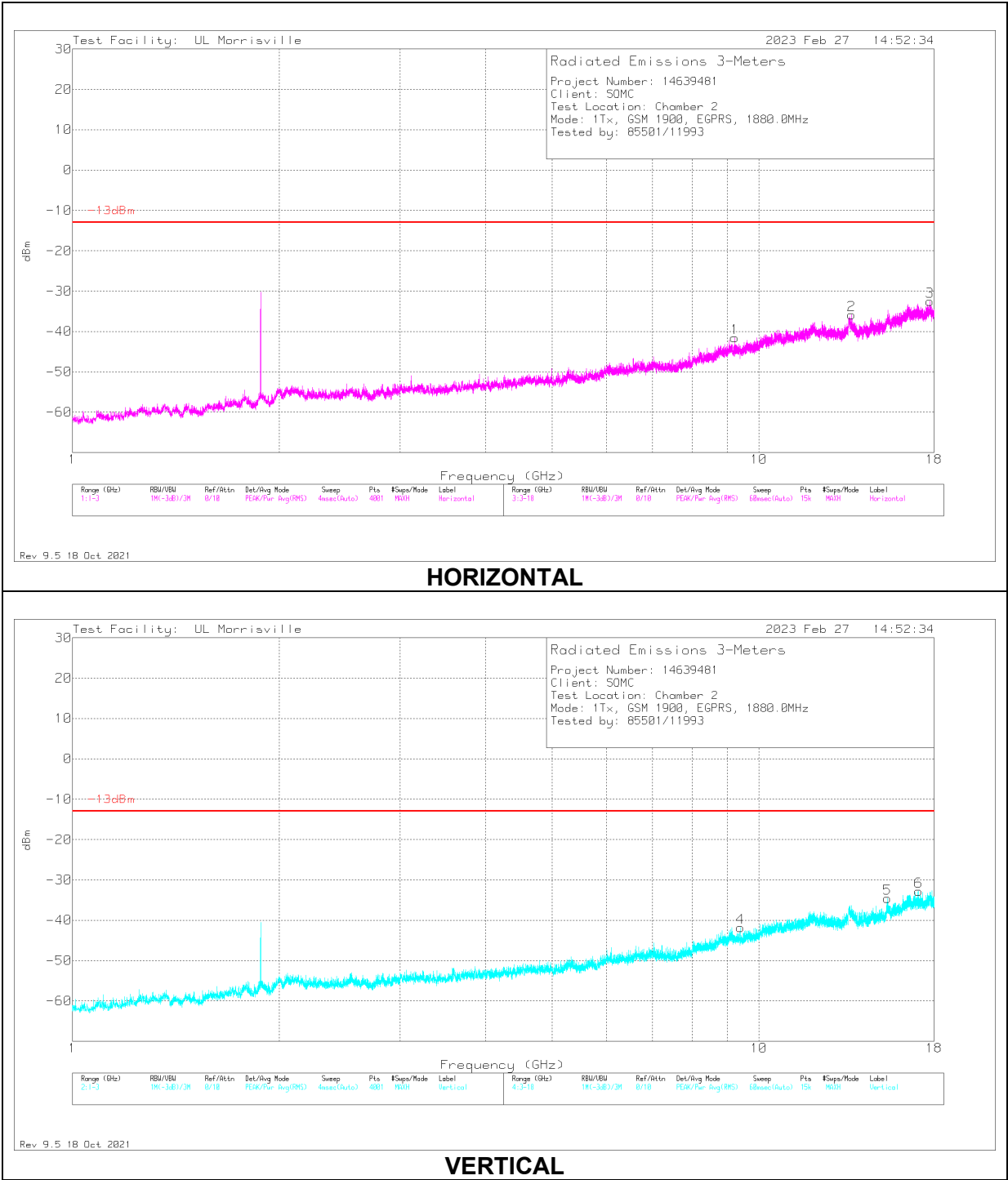


Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	206211 (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	11.589	-64.69	Pk	38.2	-23.4	11.8	0	-38.09	-13	-25.09	0-360	300	V
1	12.027	-65.52	Pk	38.6	-22.4	11.8	0	-37.52	-13	-24.52	0-360	101	H
2	13.501	-63.17	Pk	38.8	-23.8	11.8	0	-36.37	-13	-23.37	0-360	199	H
5	13.54	-62.04	Pk	38.8	-24.3	11.8	0	-35.74	-13	-22.74	0-360	300	V
6	16.573	-65.25	Pk	41.4	-21	11.8	0	-33.05	-13	-20.05	0-360	200	V
3	17.609	-64.25	Pk	41.2	-20.8	11.8	0	-32.05	-13	-19.05	0-360	199	H

Pk - Peak detector

EGPRS Mid Channel

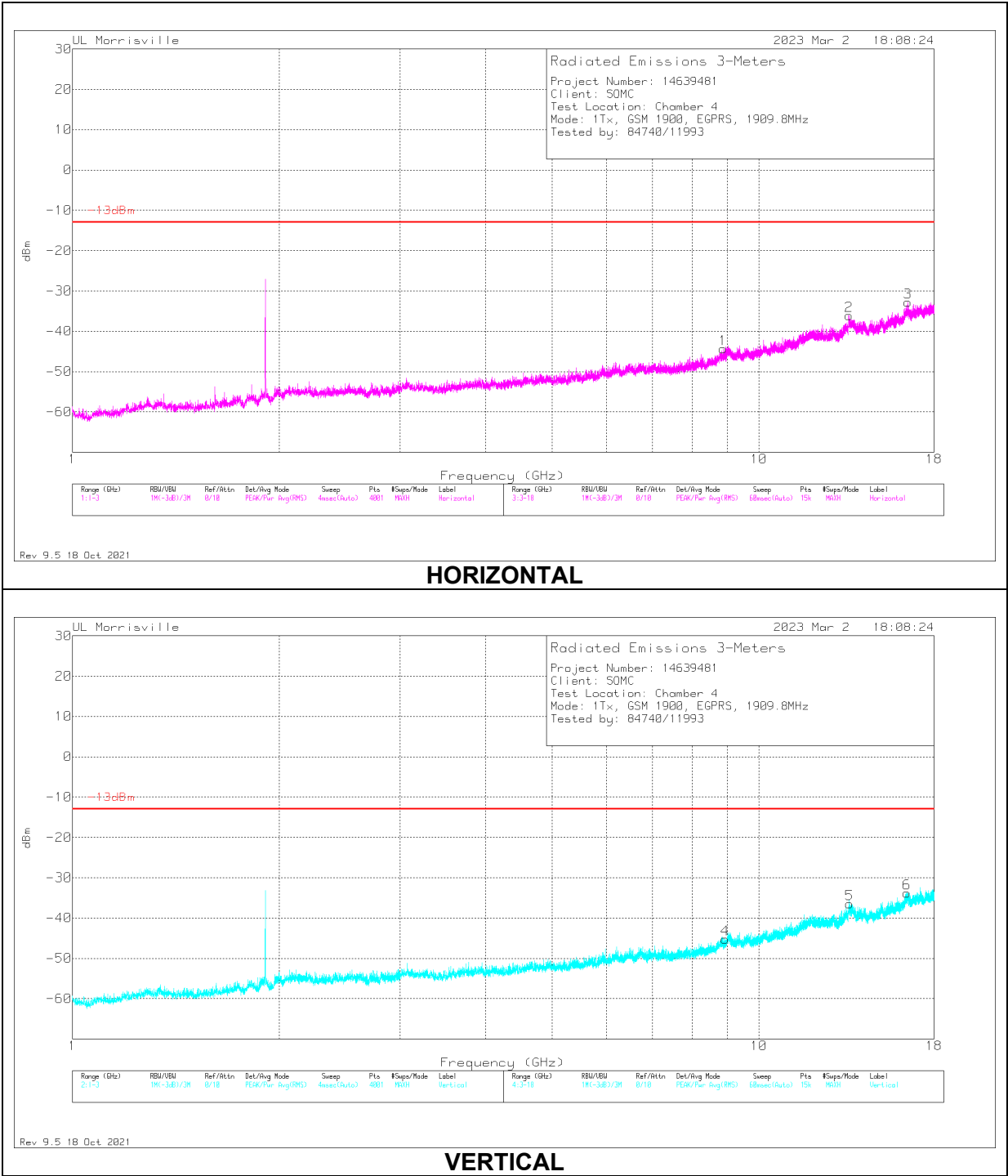


Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	206211 (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	9.22	-64	Pk	36.3	-25.7	11.8	0	-41.6	-13	-28.6	0-360	101	H
4	9.406	-64.44	Pk	36.5	-25.7	11.8	0	-41.84	-13	-28.84	0-360	300	V
2	13.662	-62.48	Pk	38.7	-23.9	11.8	0	-35.88	-13	-22.88	0-360	101	H
5	15.398	-65.35	Pk	40.1	-21.1	11.8	0	-34.55	-13	-21.55	0-360	101	V
6	17.107	-64	Pk	41.4	-22	11.8	0	-32.8	-13	-19.8	0-360	200	V
3	17.756	-65.07	Pk	41.2	-20.5	11.8	0	-32.57	-13	-19.57	0-360	199	H

Pk - Peak detector

EGPRS High Channel



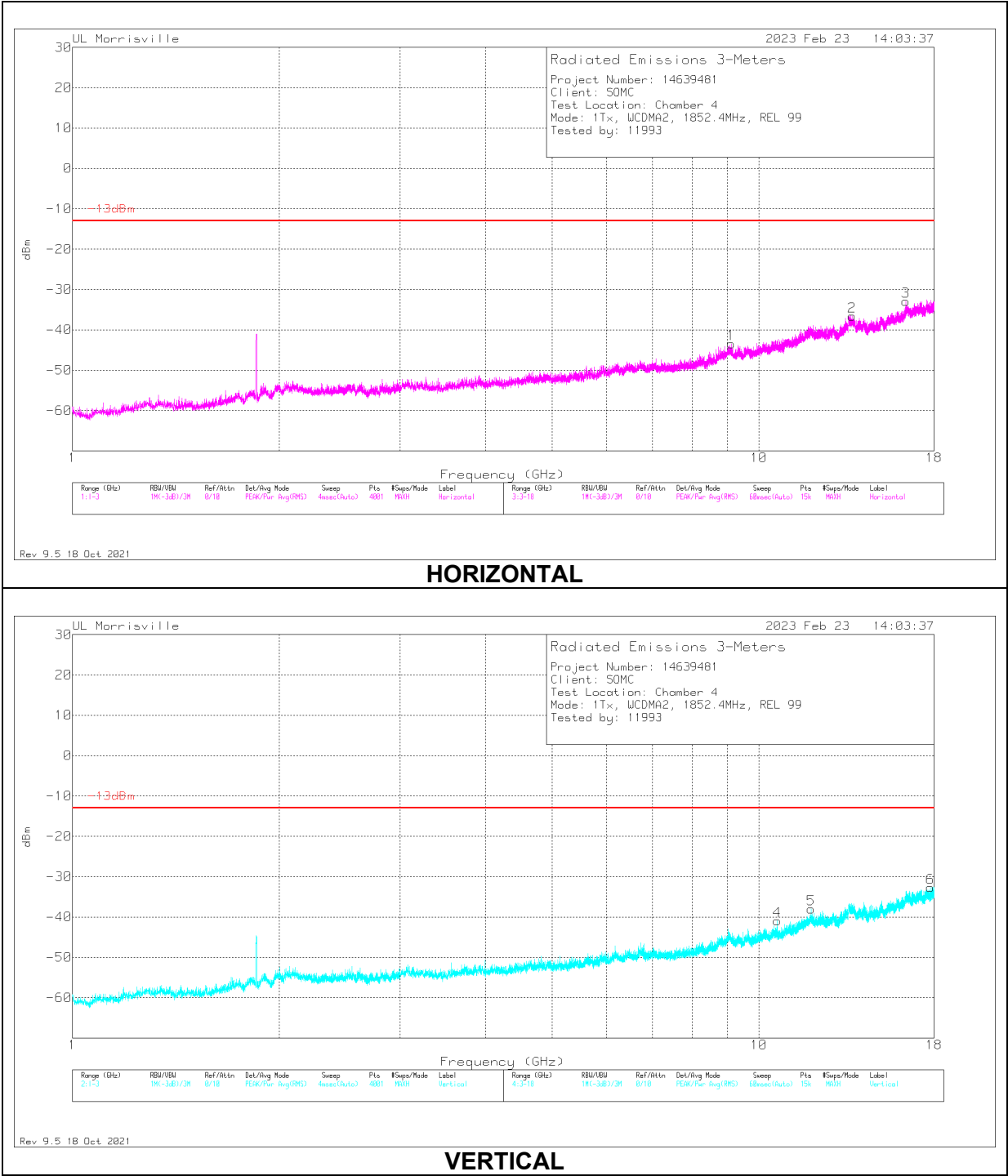
Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0067 (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	8.877	-66.1	Pk	36.1	-26.2	11.8	0	-44.4	-13	-31.4	0-360	100	H
2	13.528	-64.71	Pk	38.8	-22	11.8	0	-36.11	-13	-23.11	0-360	200	H
3	16.496	-65.82	Pk	40.9	-19.7	11.8	0	-32.82	-13	-19.82	0-360	100	H
4	8.934	-66.87	Pk	36.1	-26.3	11.8	0	-45.27	-13	-32.27	0-360	200	V
5	13.566	-64.7	Pk	38.7	-22.3	11.8	0	-36.5	-13	-23.5	0-360	300	V
6	16.42	-65.86	Pk	40.8	-20.5	11.8	0	-33.76	-13	-20.76	0-360	300	V

Pk - Peak detector

10.1.3. WCDMA 2

REL 99 Low Channel

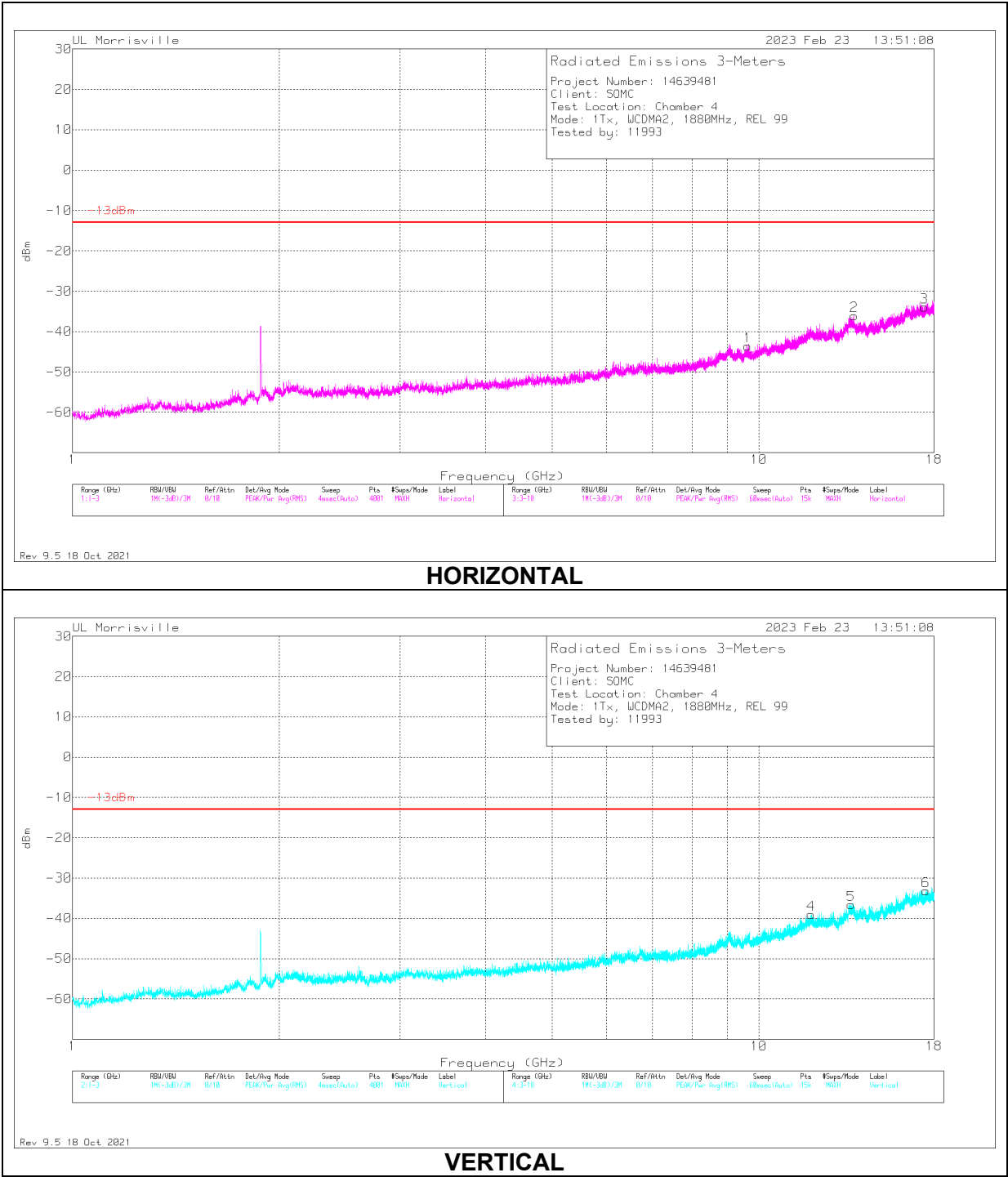


Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0067 (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	9.112	-65.8	Pk	36.2	-25.6	11.8	0	-43.4	-13	-30.4	0-360	200	H
4	10.647	-65.04	Pk	37.7	-25.4	11.8	0	-40.94	-13	-27.94	0-360	300	V
5	11.915	-64.97	Pk	38.7	-23.5	11.8	0	-37.97	-13	-24.97	0-360	300	V
2	13.673	-65.46	Pk	38.7	-21.6	11.8	0	-36.56	-13	-23.56	0-360	200	H
3	16.382	-65.57	Pk	40.8	-19.9	11.8	0	-32.87	-13	-19.87	0-360	200	H
6	17.788	-66.83	Pk	41	-18.6	11.8	0	-32.63	-13	-19.63	0-360	300	V

Pk - Peak detector

REL 99 Mid Channel

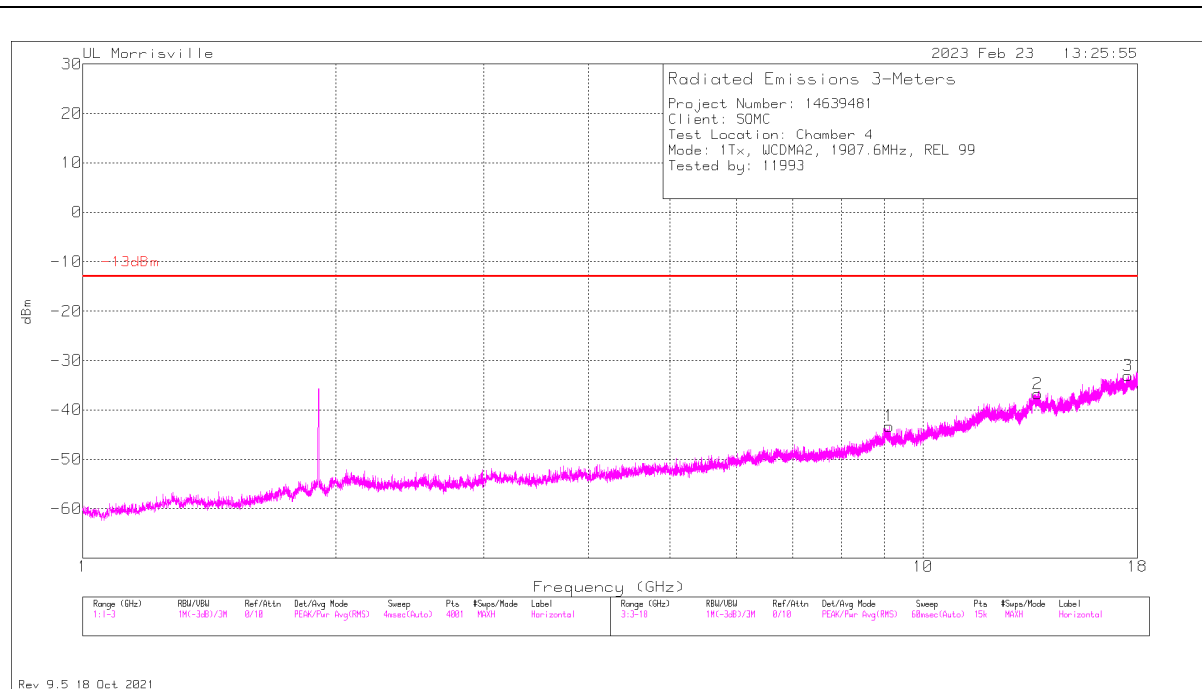


Radiated Emissions

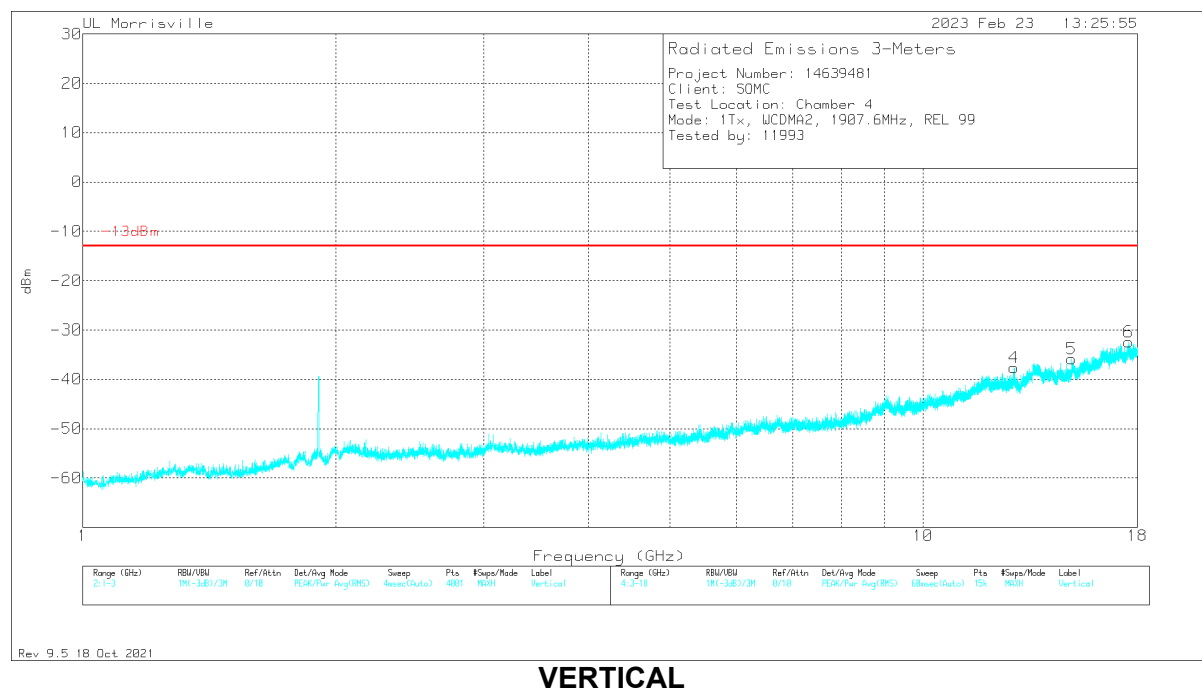
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0067 (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	9.626	-66.58	Pk	36.7	-25.5	11.8	0	-43.58	-13	-30.58	0-360	100	H
4	11.927	-66	Pk	38.7	-23.5	11.8	0	-39	-13	-26	0-360	300	V
5	13.622	-64.72	Pk	38.7	-22.4	11.8	0	-36.62	-13	-23.62	0-360	200	V
2	13.779	-65.44	Pk	38.7	-21.1	11.8	0	-36.04	-13	-23.04	0-360	200	H
3	17.425	-67.14	Pk	40.7	-19.3	11.8	0	-33.94	-13	-20.94	0-360	100	H
6	17.52	-67.33	Pk	40.7	-18.4	11.8	0	-33.23	-13	-20.23	0-360	300	V

Pk - Peak detector

REL 99 High Channel



HORIZONTAL



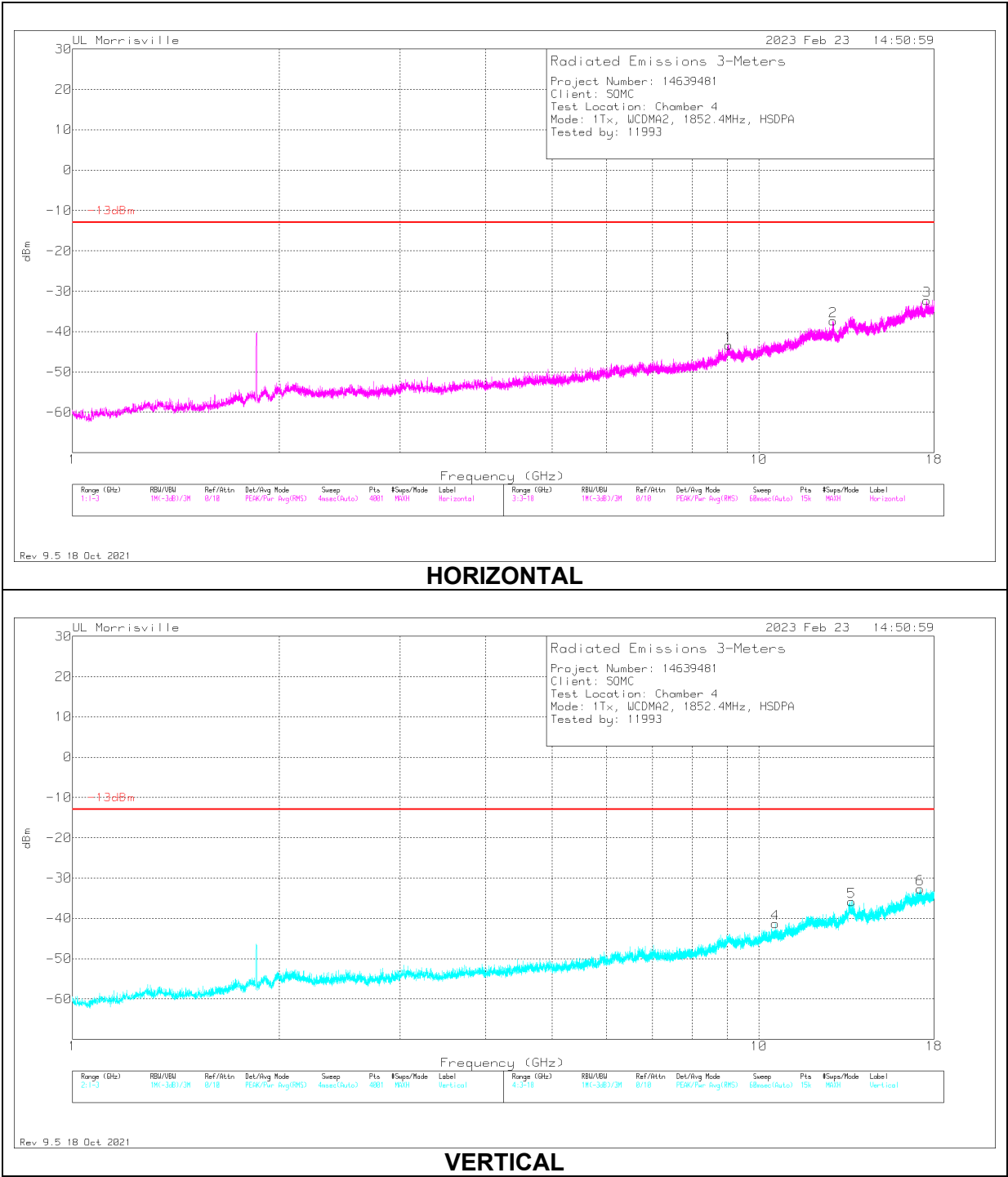
VERTICAL

Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0067 (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	9.111	-65.67	Pk	36.2	-25.6	11.8	0	-43.27	-13	-30.27	0-360	100	H
4	12.828	-66.1	Pk	39.1	-22.4	11.8	0	-37.6	-13	-24.6	0-360	200	V
2	13.694	-65.57	Pk	38.7	-21.7	11.8	0	-36.77	-13	-23.77	0-360	100	H
5	15.032	-66.58	Pk	39.9	-21	11.8	0	-35.88	-13	-22.88	0-360	300	V
3	17.535	-67.17	Pk	40.7	-18.4	11.8	0	-33.07	-13	-20.07	0-360	100	H
6	17.567	-66.37	Pk	40.7	-18.5	11.8	0	-32.37	-13	-19.37	0-360	300	V

Pk - Peak detector

HSDPA Low Channel

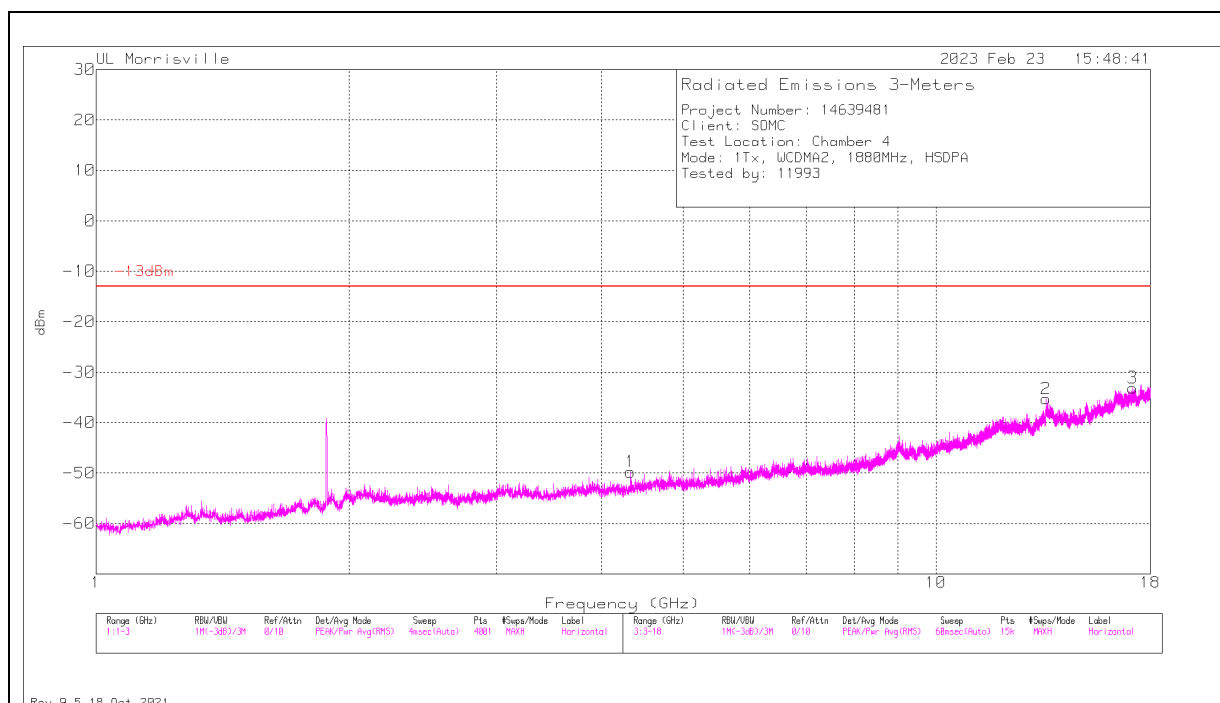


Radiated Emissions

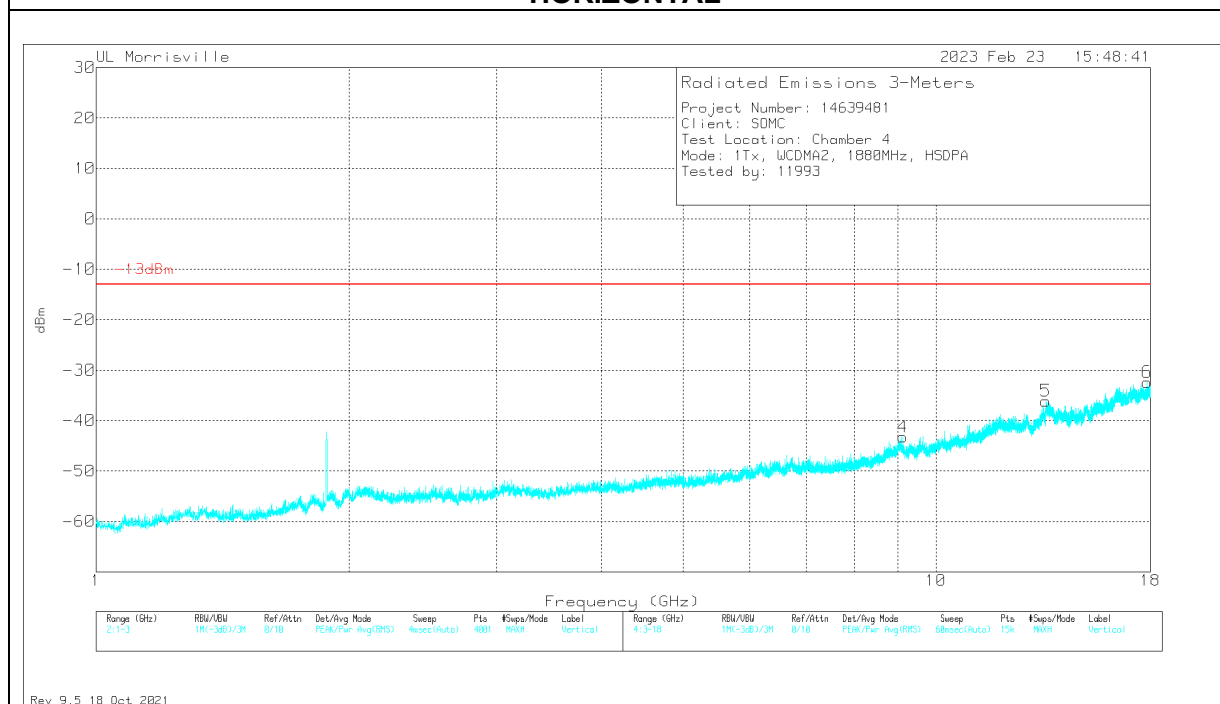
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0067 (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	9.032	-66.25	Pk	36.1	-25	11.8	0	-43.35	-13	-30.35	0-360	100	H
4	10.561	-65.55	Pk	37.6	-25.2	11.8	0	-41.35	-13	-28.35	0-360	300	V
2	12.822	-65.92	Pk	39.1	-22.4	11.8	0	-37.42	-13	-24.42	0-360	100	H
5	13.648	-64.19	Pk	38.7	-22.2	11.8	0	-35.89	-13	-22.89	0-360	300	V
6	17.177	-66.16	Pk	40.9	-19.2	11.8	0	-32.66	-13	-19.66	0-360	300	V
3	17.578	-66.36	Pk	40.7	-18.4	11.8	0	-32.26	-13	-19.26	0-360	200	H

Pk - Peak detector

HSDPA Mid Channel



HORIZONTAL



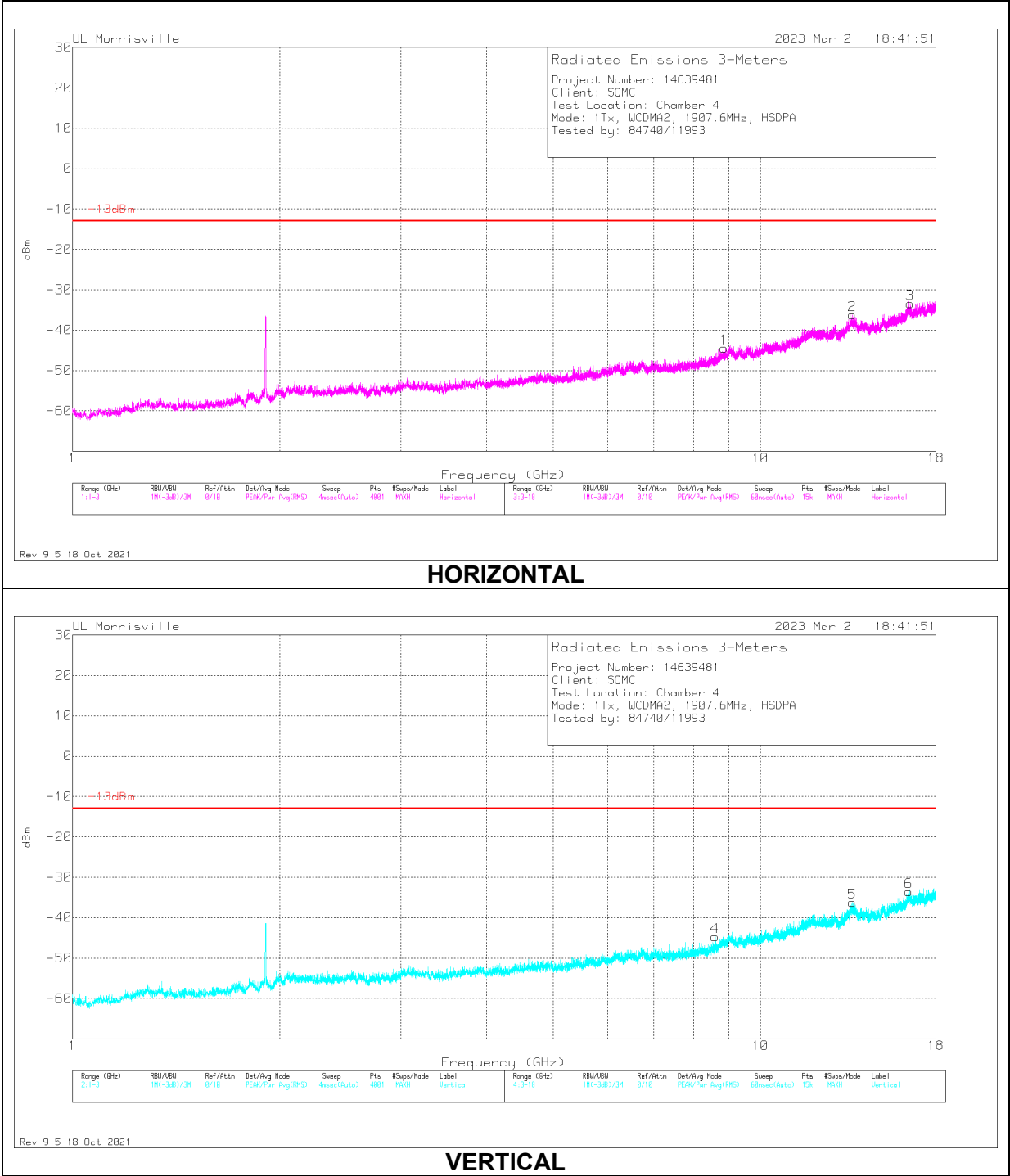
VERTICAL

Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0067 (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	4.329	-62.96	Pk	33.5	-32.1	11.8	0	-49.76	-13	-36.76	0-360	200	H
4	9.128	-65.46	Pk	36.2	-25.8	11.8	0	-43.26	-13	-30.26	0-360	300	V
5	13.511	-64.91	Pk	38.8	-21.8	11.8	0	-36.11	-13	-23.11	0-360	200	V
2	13.518	-64.2	Pk	38.8	-21.7	11.8	0	-35.3	-13	-22.3	0-360	100	H
3	17.148	-66.53	Pk	41	-19.4	11.8	0	-33.13	-13	-20.13	0-360	100	H
6	17.843	-67.06	Pk	41.1	-18.2	11.8	0	-32.36	-13	-19.36	0-360	300	V

Pk - Peak detector

HSDPA High Channel



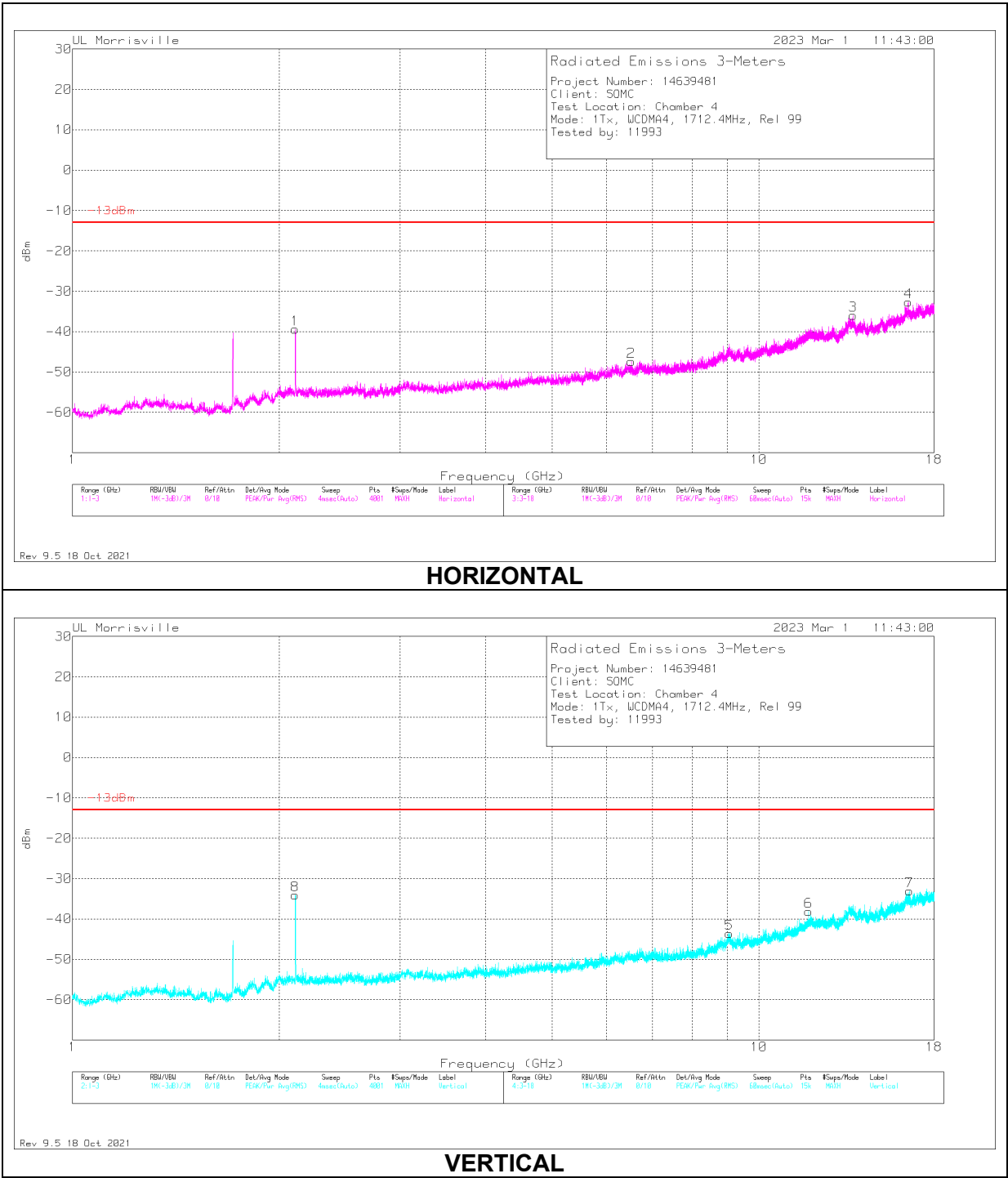
Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0067 (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	8.856	-66.37	Pk	36.1	-26	11.8	0	-44.47	-13	-31.47	0-360	100	H
2	13.597	-64.39	Pk	38.7	-22.3	11.8	0	-36.19	-13	-23.19	0-360	100	H
3	16.506	-66.12	Pk	40.9	-20	11.8	0	-33.42	-13	-20.42	0-360	100	H
4	8.593	-65.81	Pk	35.8	-26.5	11.8	0	-44.71	-13	-31.71	0-360	300	V
5	13.593	-64.43	Pk	38.7	-22.3	11.8	0	-36.23	-13	-23.23	0-360	300	V
6	16.434	-65.84	Pk	40.8	-20.3	11.8	0	-33.54	-13	-20.54	0-360	300	V

Pk - Peak detector

10.1.4. WCDMA 4

REL 99 Low Channel



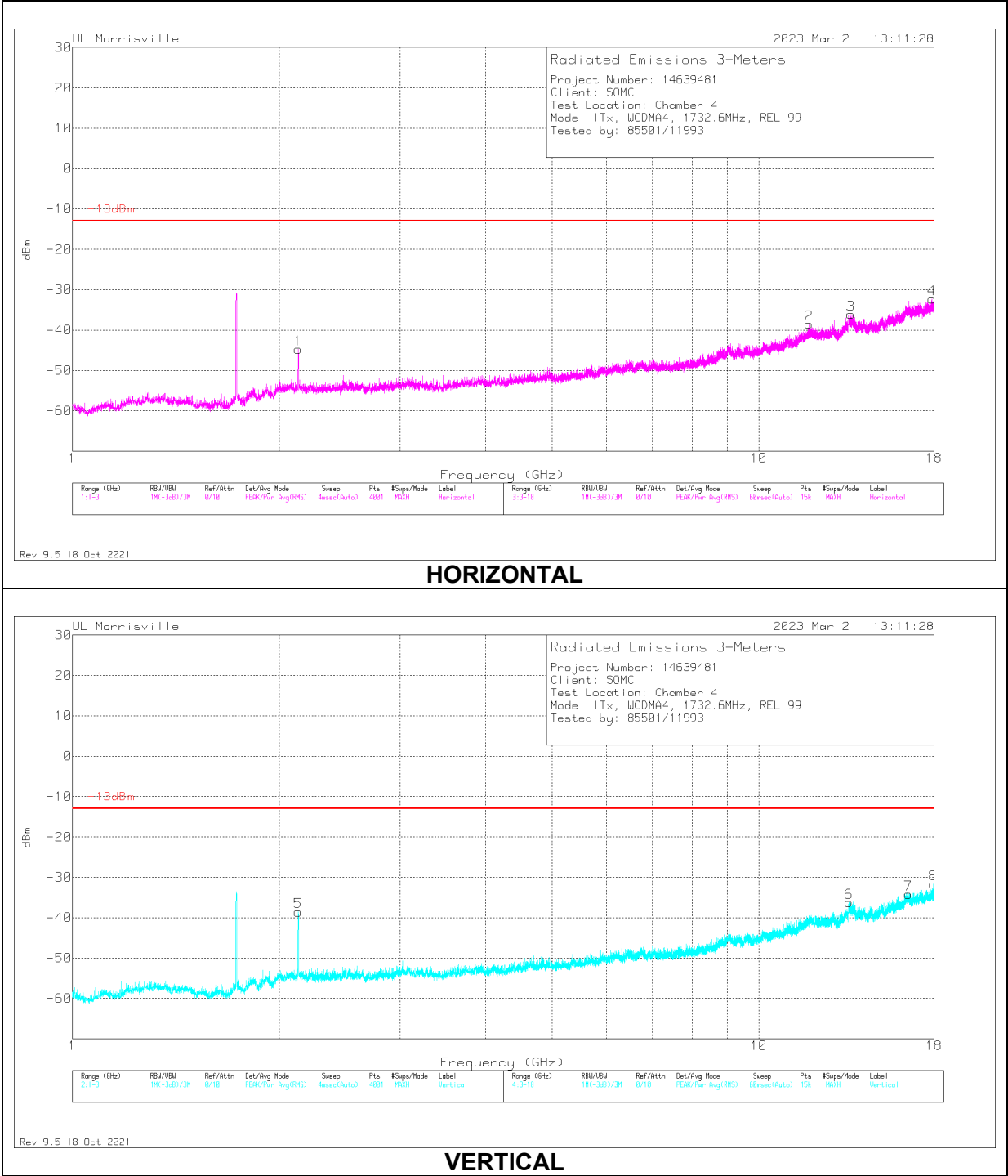
Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0067 (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
8	2.1115 (DL)	-42.43	Pk	31.9	-36.3	11.8	1	-34.03	-	-	0-360	300	V
1	2.112 (DL)	-47.78	Pk	31.9	-36.3	11.8	1	-39.38	-	-	0-360	100	H
2	6.517	-66.28	Pk	35.6	-28.5	11.8	0	-47.38	-13	-34.38	0-360	100	H
5	9.051	-66.34	Pk	36.1	-25.1	11.8	0	-43.54	-13	-30.54	0-360	300	V
6	11.811	-65.07	Pk	38.6	-23.5	11.8	0	-38.17	-13	-25.17	0-360	200	V
3	13.729	-65.19	Pk	38.7	-21.3	11.8	0	-35.99	-13	-22.99	0-360	200	H
4	16.505	-65.52	Pk	40.9	-19.9	11.8	0	-32.72	-13	-19.72	0-360	200	H
7	16.562	-65.66	Pk	41.1	-20.3	11.8	0	-33.06	-13	-20.06	0-360	200	V

Pk - Peak detector

DL - Downlink

REL 99 Mid Channel



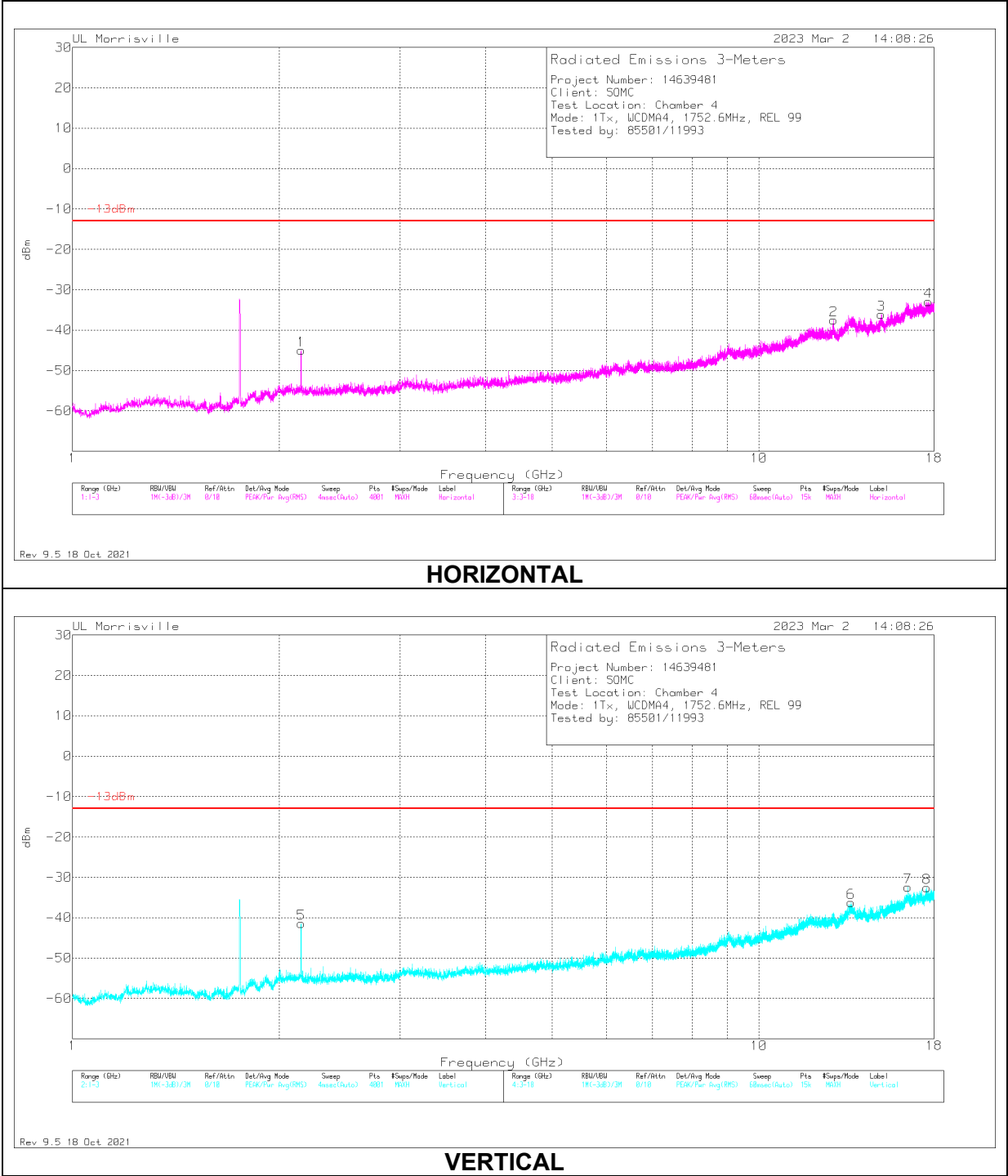
Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0067 (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.1325 (DL)	-53.31	Pk	31.9	-36.3	11.8	1.2	-	-	-	0-360	100	H
5	2.134 (DL)	-47.17	Pk	31.9	-36.3	11.8	1.2	-	-	-	0-360	300	V
2	11.844	-65.23	Pk	38.7	-23.8	11.8	0	-38.53	-13	-25.53	0-360	100	H
6	13.527	-64.79	Pk	38.8	-22	11.8	0	-36.19	-13	-23.19	0-360	300	V
3	13.616	-64.14	Pk	38.7	-22.5	11.8	0	-36.14	-13	-23.14	0-360	100	H
7	16.522	-66.69	Pk	41	-20.3	11.8	0	-34.19	-13	-21.19	0-360	300	V
4	17.876	-67.11	Pk	41.1	-18.1	11.8	0	-32.31	-13	-19.31	0-360	100	H
8	17.981	-66.38	Pk	41.3	-18.4	11.8	0	-31.68	-13	-18.68	0-360	300	V

Pk - Peak detector

DL – Downlink from Callbox

REL 99 High Channel



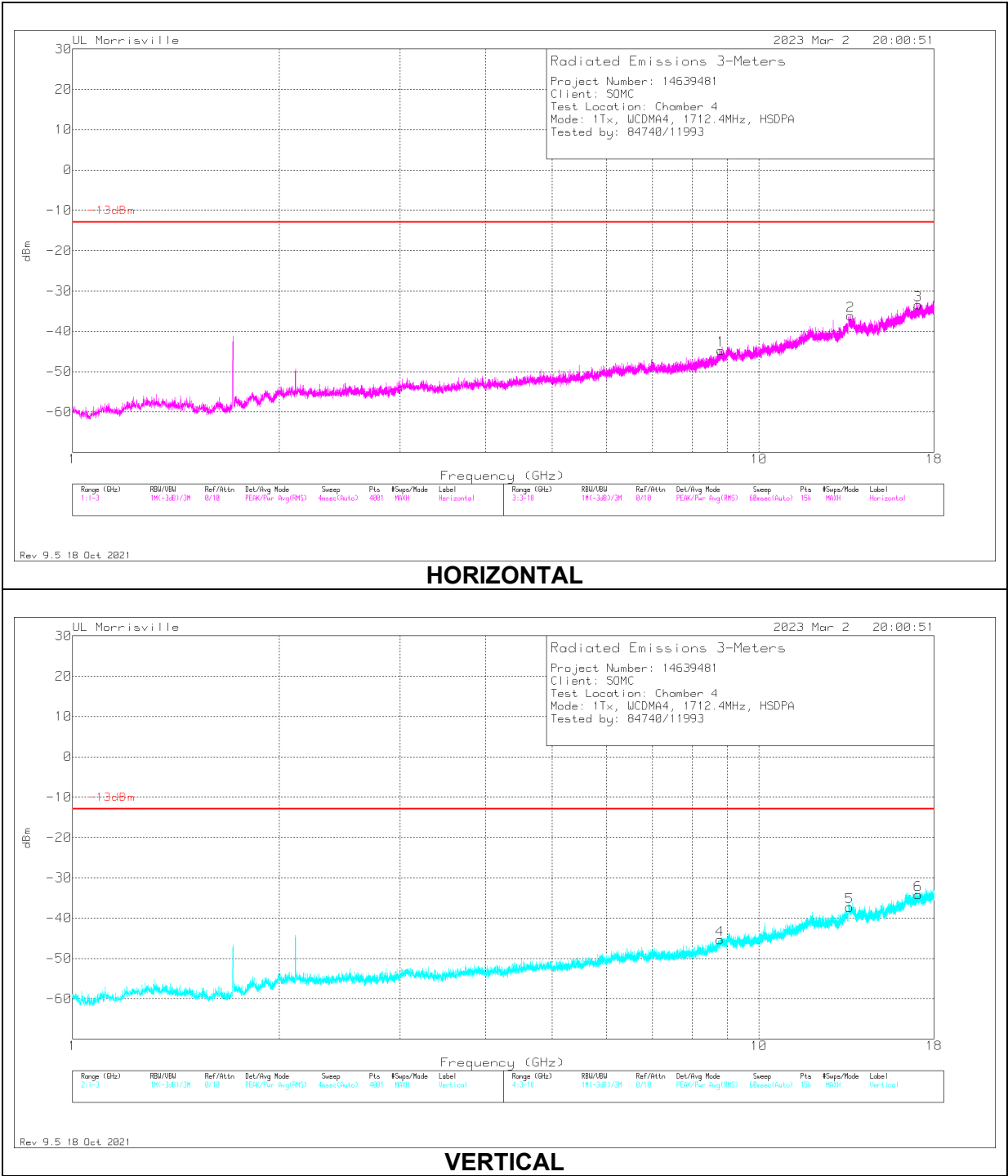
Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0067 (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.1535 (DL)	-53.56	Pk	31.9	-36.2	11.8	1.1	-44.96	-13	-31.96	0-360	200	H
5	2.1535 (DL)	-50	Pk	31.9	-36.2	11.8	1.1	-41.4	-13	-28.4	0-360	300	V
2	12.845	-66.14	Pk	39.1	-22.2	11.8	0	-37.44	-13	-24.44	0-360	300	H
6	13.63	-64.24	Pk	38.7	-22.5	11.8	0	-36.24	-13	-23.24	0-360	100	V
3	15.091	-67.54	Pk	40	-20.4	11.8	0	-36.14	-13	-23.14	0-360	300	H
7	16.498	-65.46	Pk	40.9	-19.7	11.8	0	-32.46	-13	-19.46	0-360	100	V
8	17.557	-66.6	Pk	40.7	-18.4	11.8	0	-32.5	-13	-19.5	0-360	100	V
4	17.673	-66.41	Pk	40.8	-19.1	11.8	0	-32.91	-13	-19.91	0-360	300	H

Pk - Peak detector

DL – Downlink from Callbox

HSDPA Low Channel

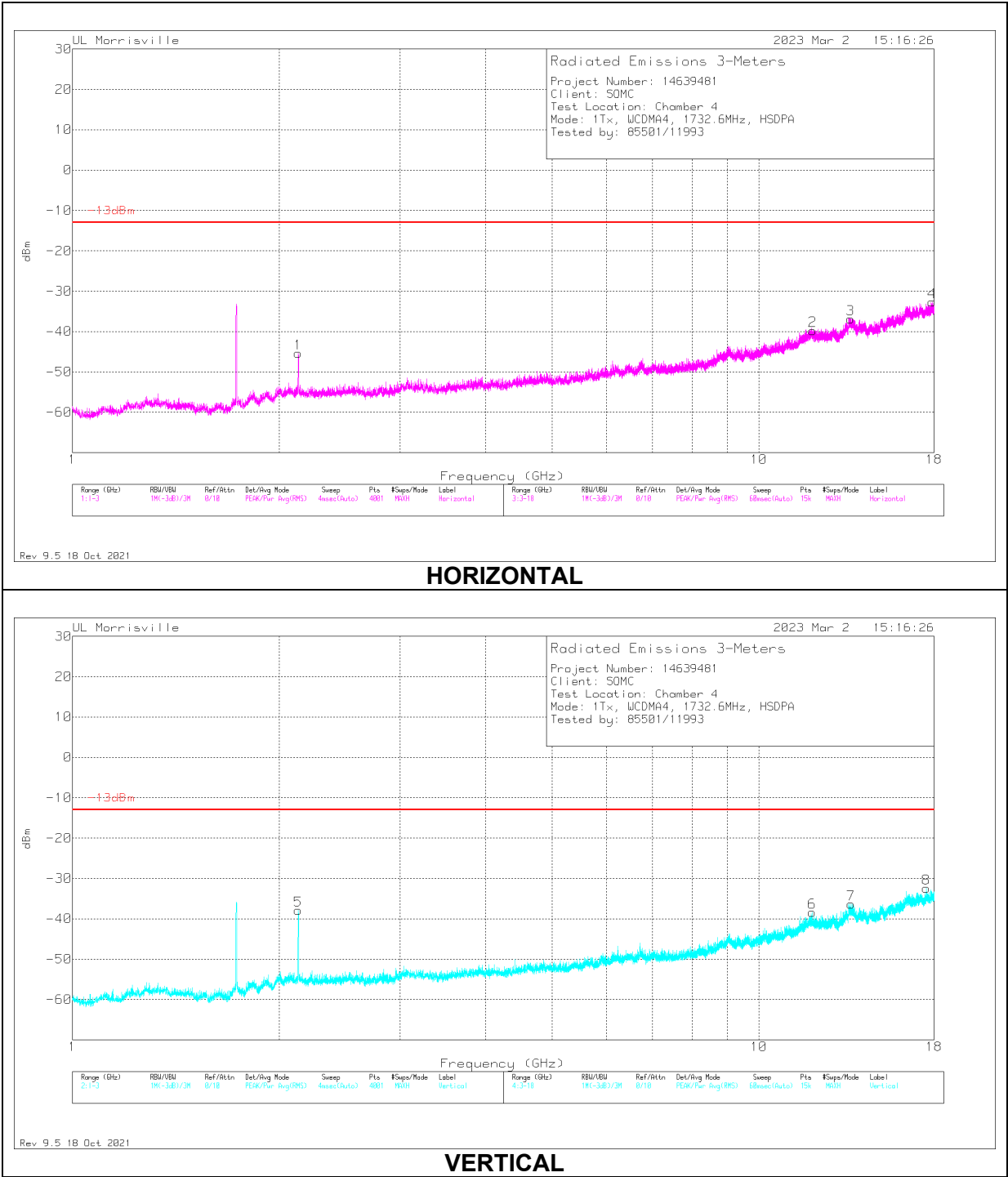


Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0067 (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	8.805	-66.77	Pk	36	-25.7	11.8	0	-44.67	-13	-31.67	0-360	100	H
2	13.601	-64.35	Pk	38.7	-22.3	11.8	0	-36.15	-13	-23.15	0-360	100	H
3	17.071	-66.89	Pk	41.2	-19.6	11.8	0	-33.49	-13	-20.49	0-360	200	H
4	8.782	-67.42	Pk	36	-25.7	11.8	0	-45.32	-13	-32.32	0-360	300	V
5	13.563	-65.5	Pk	38.7	-22.3	11.8	0	-37.3	-13	-24.3	0-360	200	V
6	17.057	-67.49	Pk	41.3	-19.8	11.8	0	-34.19	-13	-21.19	0-360	200	V

Pk - Peak detector

HSDPA Mid Channel



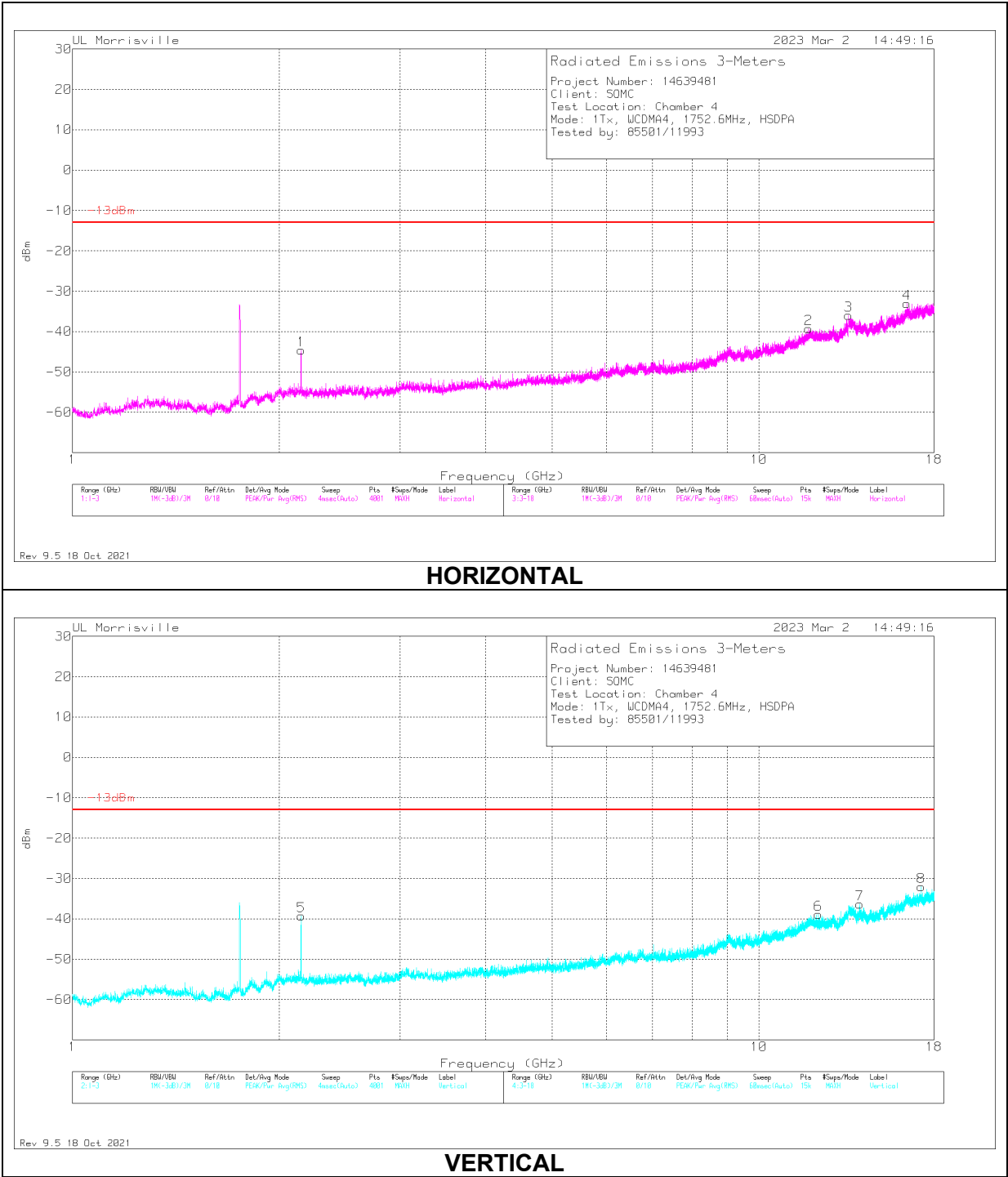
Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0067 (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5	2.1325 (DL)	-46.43	Pk	31.9	-36.3	11.8	1.2	-	-	-	0-360	300	V
1	2.13375 (DL)	-53.91	Pk	31.9	-36.3	11.8	1.2	-	-	-	0-360	100	H
6	11.957	-65.45	Pk	38.7	-23.4	11.8	0	-38.35	-13	-25.35	0-360	300	V
2	11.979	-66.62	Pk	38.8	-23.7	11.8	0	-39.72	-13	-26.72	0-360	100	H
3	13.597	-65.06	Pk	38.7	-22.3	11.8	0	-36.86	-13	-23.86	0-360	100	H
7	13.629	-64.41	Pk	38.7	-22.5	11.8	0	-36.41	-13	-23.41	0-360	300	V
8	17.53	-66.46	Pk	40.7	-18.4	11.8	0	-32.36	-13	-19.36	0-360	300	V
4	17.891	-67.45	Pk	41.2	-18.2	11.8	0	-32.65	-13	-19.65	0-360	100	H

Pk - Peak detector

DL – Downlink from Callbox

HSDPA High Channel



Radiated Emissions

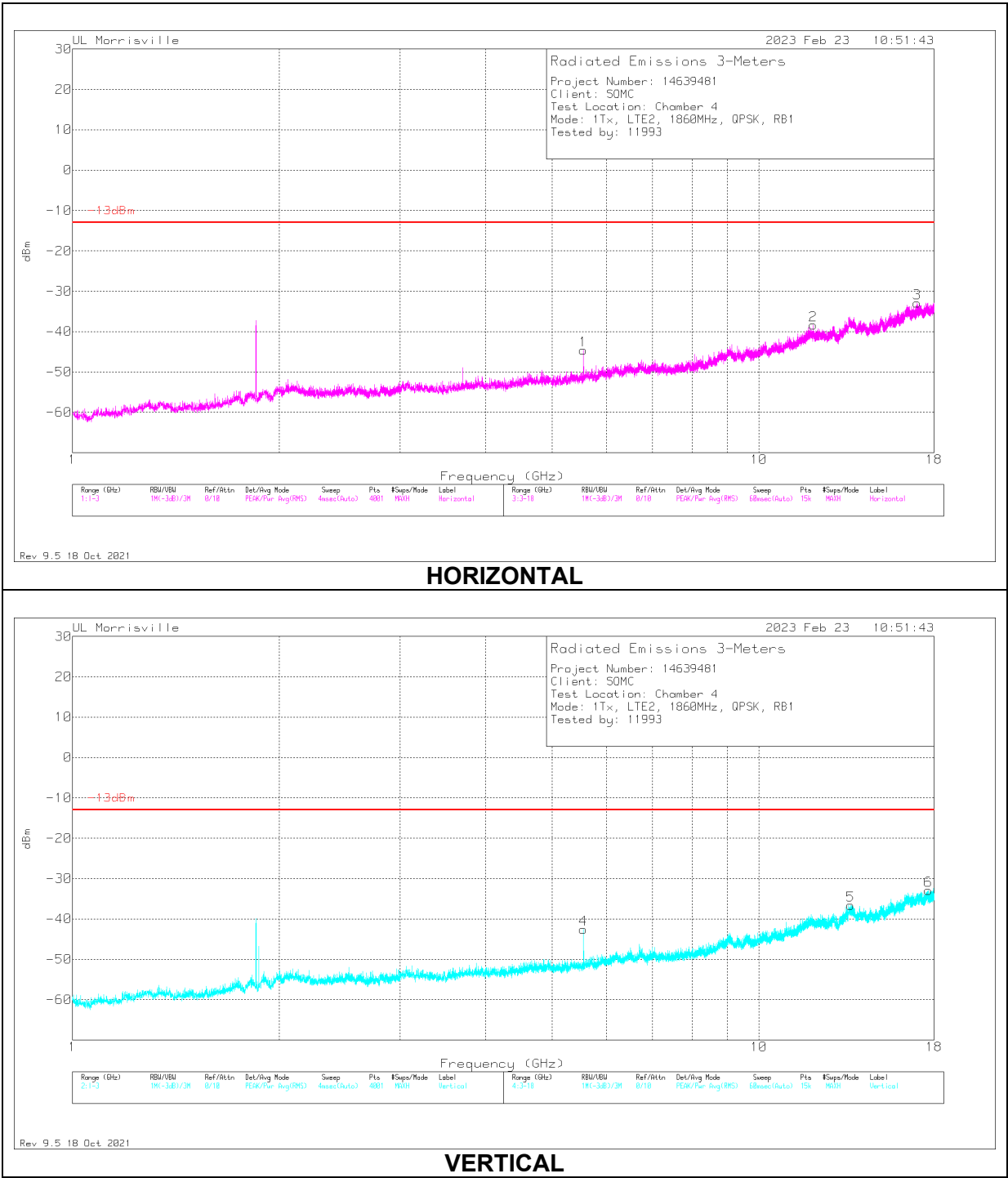
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0067 (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.154 (DL)	-53.24	Pk	31.9	-36.2	11.8	1.1	-	-	-	0-360	200	H
5	2.154 (DL)	-47.92	Pk	31.9	-36.2	11.8	1.1	-	-	-	0-360	300	V
2	11.815	-66.02	Pk	38.6	-23.6	11.8	0	-39.22	-13	-26.22	0-360	100	H
6	12.213	-66.23	Pk	38.9	-23.4	11.8	0	-38.93	-13	-25.93	0-360	300	V
3	13.517	-64.9	Pk	38.8	-21.7	11.8	0	-36	-13	-23	0-360	100	H
7	14.022	-66.63	Pk	38.9	-20.4	11.8	0	-36.33	-13	-23.33	0-360	300	V
4	16.442	-65.3	Pk	40.8	-20.4	11.8	0	-33.1	-13	-20.1	0-360	100	H
8	17.238	-65.94	Pk	40.9	-18.8	11.8	0	-32.04	-13	-	-	-	V

Pk - Peak detector

DL – Downlink from Callbox

10.1.5. LTE BAND 2

QPSK Low Channel

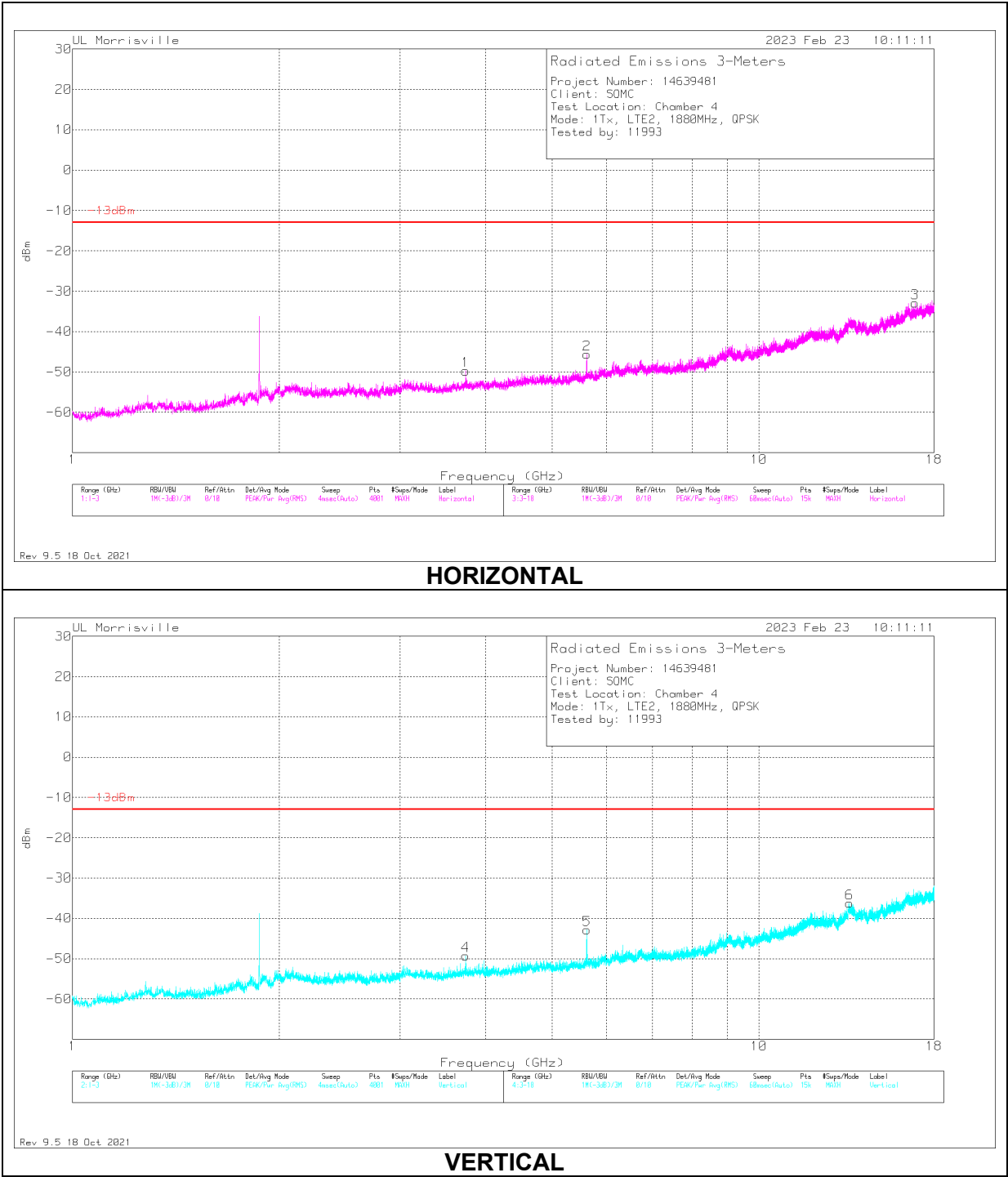


Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0067 (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.553	-59.46	Pk	34.7	-31.7	11.8	0	-44.66	-13	-31.66	0-360	200	H
4	5.553	-57.43	Pk	34.7	-31.7	11.8	0	-42.63	-13	-29.63	0-360	300	V
2	11.994	-65.46	Pk	38.8	-23.5	11.8	0	-38.36	-13	-25.36	0-360	200	H
5	13.599	-64.86	Pk	38.7	-22.3	11.8	0	-36.66	-13	-23.66	0-360	300	V
3	17.013	-66.48	Pk	41.3	-19.5	11.8	0	-32.88	-13	-19.88	0-360	100	H
6	17.66	-66.57	Pk	40.8	-19	11.8	0	-32.97	-13	-19.97	0-360	200	V

Pk - Peak detector

QPSK Mid Channel

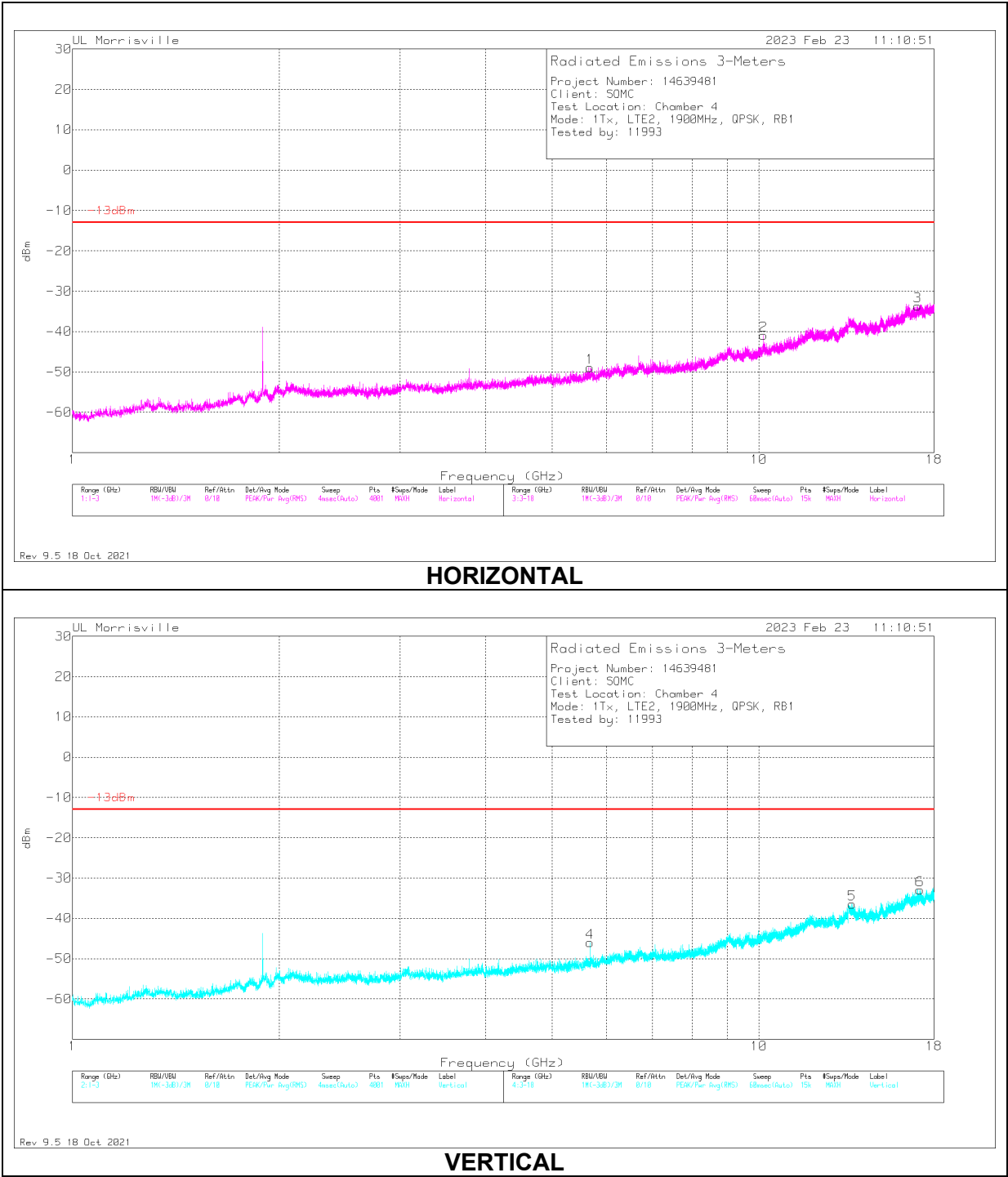


Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0067 (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	3.742	-62.24	Pk	33.5	-32.8	11.8	0	-49.74	-13	-36.74	0-360	200	H
4	3.742	-61.74	Pk	33.5	-32.8	11.8	0	-49.24	-13	-36.24	0-360	300	V
2	5.613	-61.45	Pk	34.8	-30.8	11.8	0	-45.65	-13	-32.65	0-360	200	H
5	5.613	-58.61	Pk	34.8	-30.8	11.8	0	-42.81	-13	-29.81	0-360	300	V
6	13.554	-64.48	Pk	38.7	-22.3	11.8	0	-36.28	-13	-23.28	0-360	200	V
3	16.889	-66.26	Pk	41.4	-19.9	11.8	0	-32.96	-13	-19.96	0-360	100	H

Pk - Peak detector

QPSK High Channel

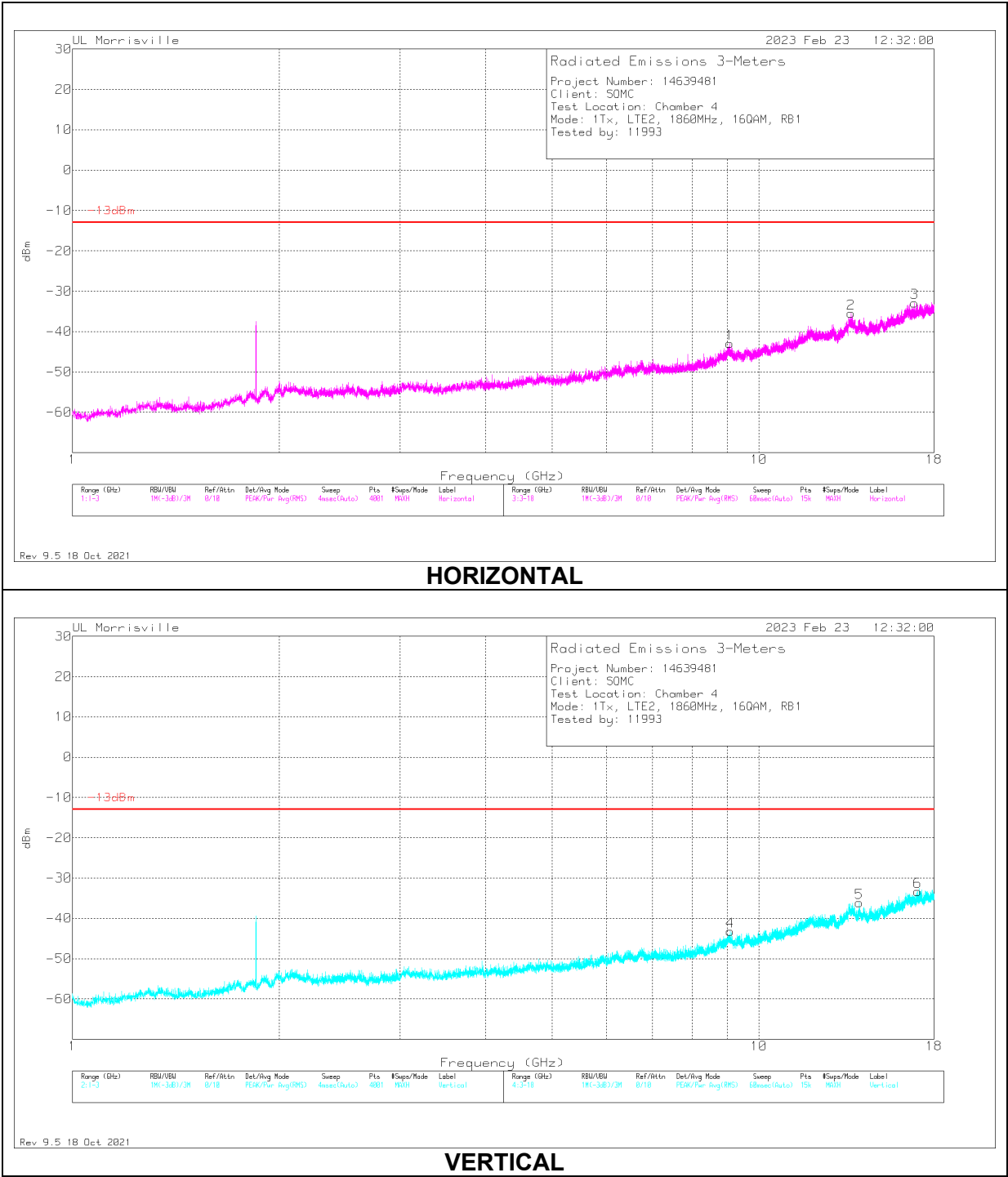


Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0067 (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.673	-65.5	Pk	34.8	-30	11.8	0	-48.9	-13	-35.9	0-360	200	H
4	5.673	-62.61	Pk	34.8	-30	11.8	0	-46.01	-13	-33.01	0-360	300	V
2	10.157	-64.16	Pk	37.3	-25.9	11.8	0	-40.96	-13	-27.96	0-360	100	H
5	13.677	-65.43	Pk	38.7	-21.5	11.8	0	-36.43	-13	-23.43	0-360	300	V
3	17.04	-67.23	Pk	41.3	-19.5	11.8	0	-33.63	-13	-20.63	0-360	100	H
6	17.169	-66.57	Pk	41	-19.2	11.8	0	-32.97	-13	-19.97	0-360	200	V

Pk - Peak detector

16QAM Low Channel

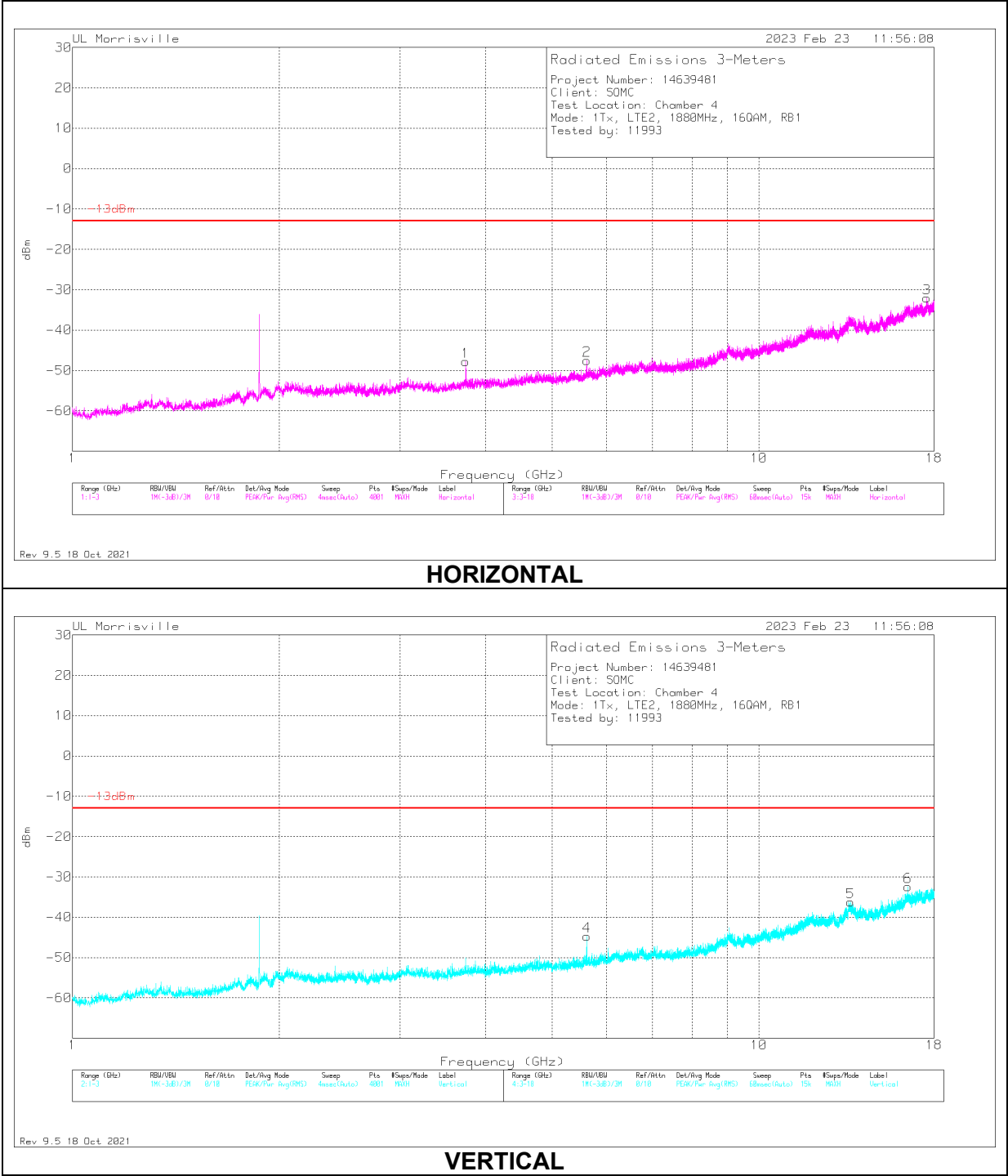


Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0067 (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	9.069	-65.61	Pk	36.1	-25.2	11.8	0	-42.91	-13	-29.91	0-360	200	H
4	9.083	-65.65	Pk	36.1	-25.4	11.8	0	-43.15	-13	-30.15	0-360	300	V
2	13.622	-63.61	Pk	38.7	-22.4	11.8	0	-35.51	-13	-22.51	0-360	100	H
5	14.014	-66.33	Pk	38.8	-20.4	11.8	0	-36.13	-13	-23.13	0-360	300	V
3	16.852	-66.26	Pk	41.3	-19.7	11.8	0	-32.86	-13	-19.86	0-360	200	H
6	17.03	-67.3	Pk	41.3	-19.1	11.8	0	-33.3	-13	-20.3	0-360	300	V

Pk - Peak detector

16QAM Mid Channel

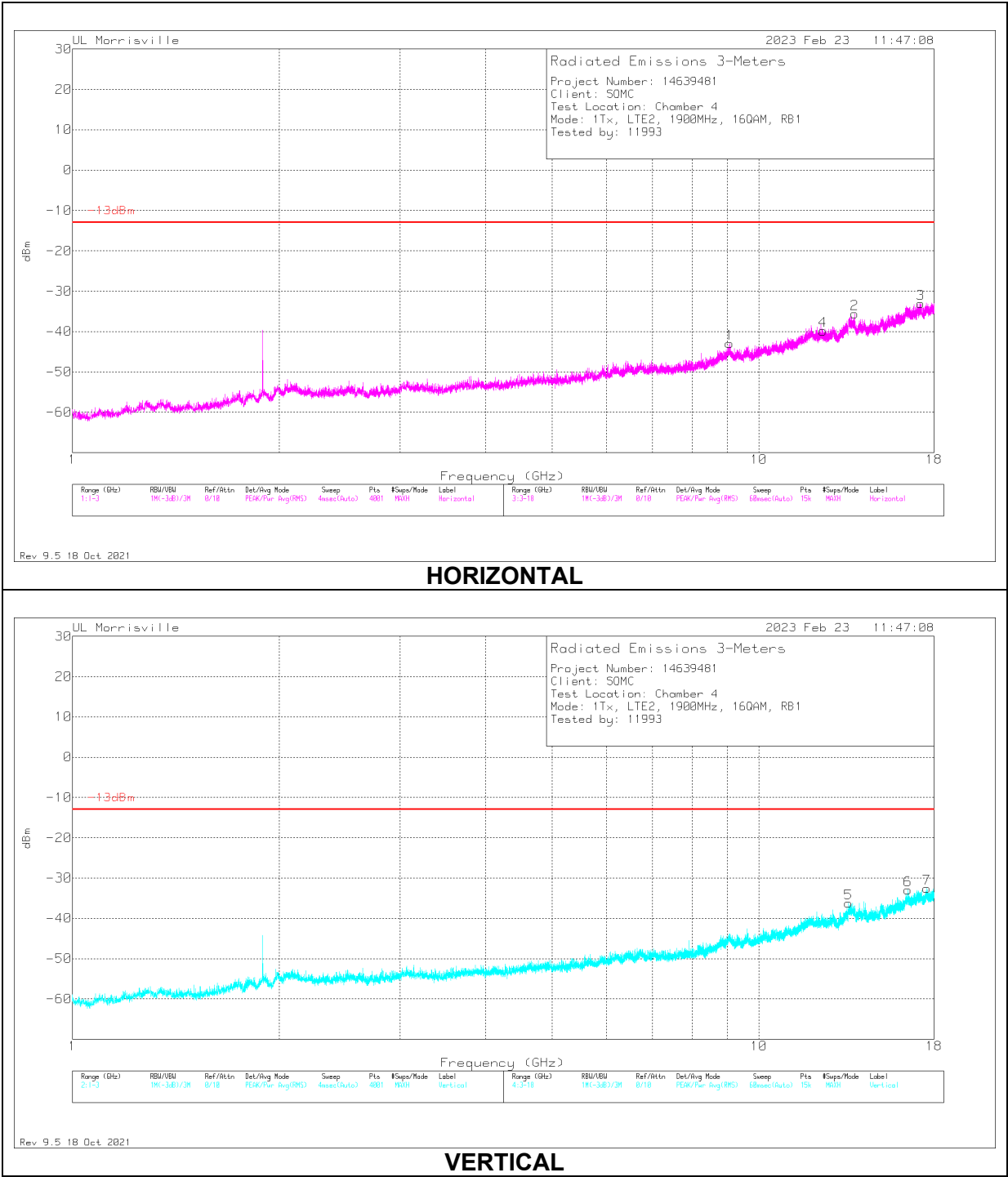


Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0067 (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	3.742	-60.31	Pk	33.5	-32.8	11.8	0	-47.81	-13	-34.81	0-360	200	H
2	5.613	-63.26	Pk	34.8	-30.8	11.8	0	-47.46	-13	-34.46	0-360	200	H
4	5.613	-60.47	Pk	34.8	-30.8	11.8	0	-44.67	-13	-31.67	0-360	300	V
5	13.593	-64.39	Pk	38.7	-22.3	11.8	0	-36.19	-13	-23.19	0-360	300	V
6	16.502	-65.37	Pk	40.9	-19.8	11.8	0	-32.47	-13	-19.47	0-360	300	V
3	17.569	-66.13	Pk	40.7	-18.4	11.8	0	-32.03	-13	-19.03	0-360	100	H

Pk - Peak detector

16QAM High Channel



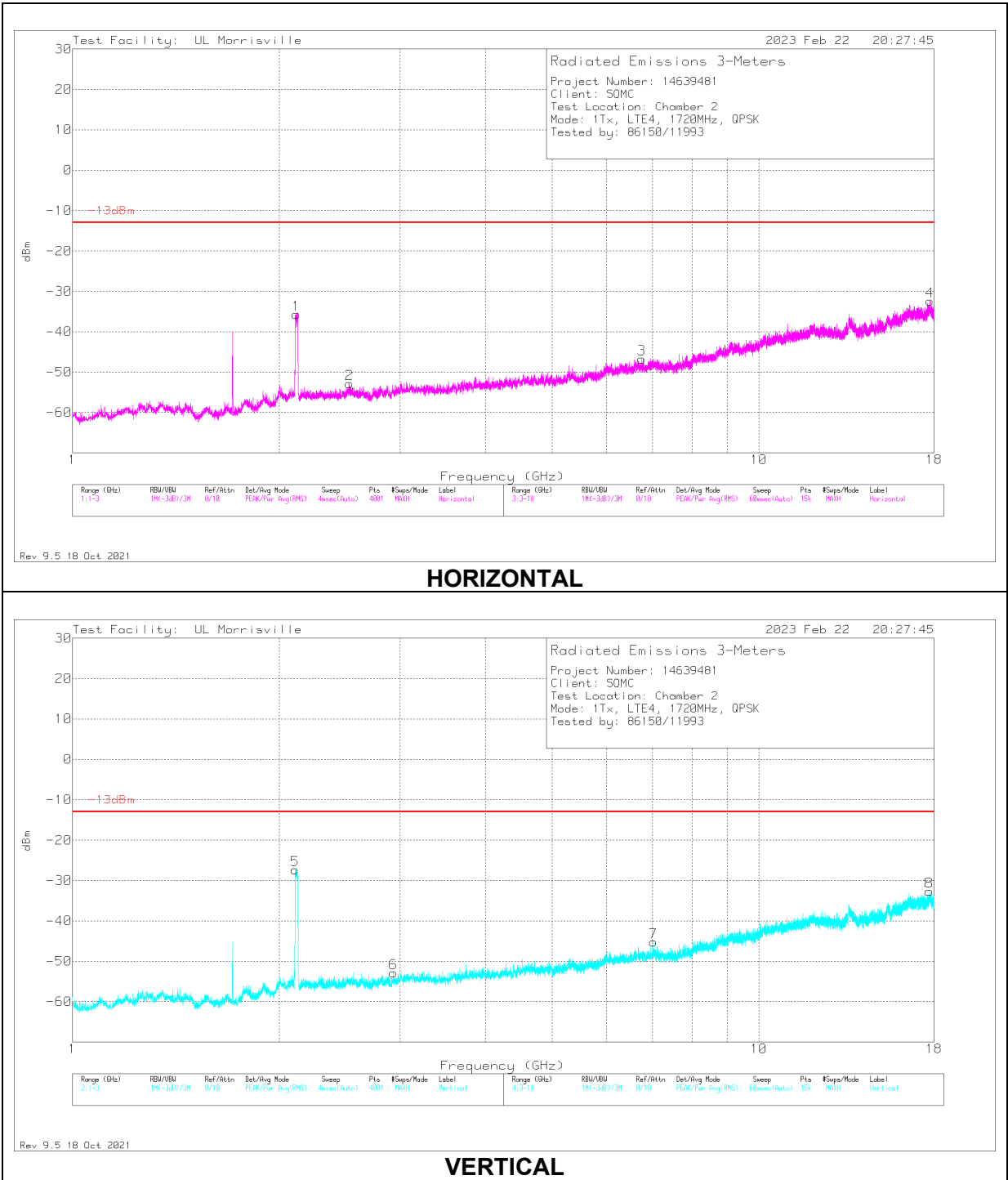
Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0067 (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	9.063	-65.77	Pk	36.1	-25.1	11.8	0	-42.97	-13	-29.97	0-360	200	H
4	12.401	-67.04	Pk	38.8	-23.4	11.8	0	-39.84	-13	-26.84	0-360	100	H
5	13.515	-65.18	Pk	38.8	-21.7	11.8	0	-36.28	-13	-23.28	0-360	300	V
2	13.787	-65	Pk	38.7	-21.1	11.8	0	-35.6	-13	-22.6	0-360	100	H
6	16.484	-65.88	Pk	40.9	-19.8	11.8	0	-32.98	-13	-19.98	0-360	200	V
3	17.223	-66.9	Pk	40.9	-18.9	11.8	0	-33.1	-13	-20.1	0-360	100	H
7	17.573	-66.69	Pk	40.7	-18.4	11.8	0	-32.59	-13	-19.59	0-360	300	V

Pk - Peak detector

10.1.6. LTE BAND 4

QPSK Low Channel



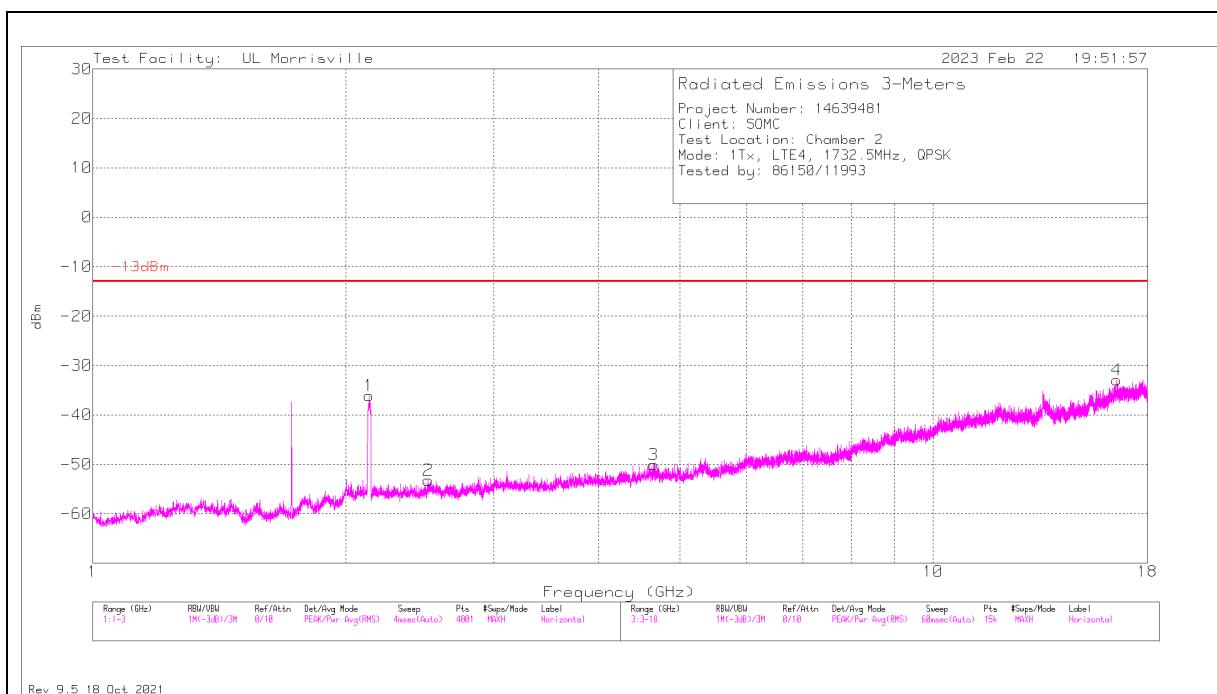
Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	206211 (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5 (DL)	2.112	-37.59	Pk	31.4	-33.9	11.8	1	-27.29	-	-	0-360	101	V
1 (DL)	2.1195	-45.78	Pk	31.4	-34.1	11.8	1	-35.68	-	-	0-360	101	H
2	2.5335	-63.86	Pk	32.6	-33.9	11.8	.5	-52.86	-13	-39.86	0-360	200	H
6	2.9335	-64.31	Pk	32.4	-33.2	11.8	.4	-52.91	-13	-39.91	0-360	201	V
3	6.755	-66	Pk	35.6	-28.1	11.8	0	-46.7	-13	-33.7	0-360	300	H
7	7.027	-65.53	Pk	35.6	-27.1	11.8	0	-45.23	-13	-32.23	0-360	101	V
8	17.708	-64.43	Pk	41.2	-21.2	11.8	0	-32.63	-13	-19.63	0-360	300	V
4	17.752	-64.87	Pk	41.2	-20.6	11.8	0	-32.47	-13	-19.47	0-360	101	H

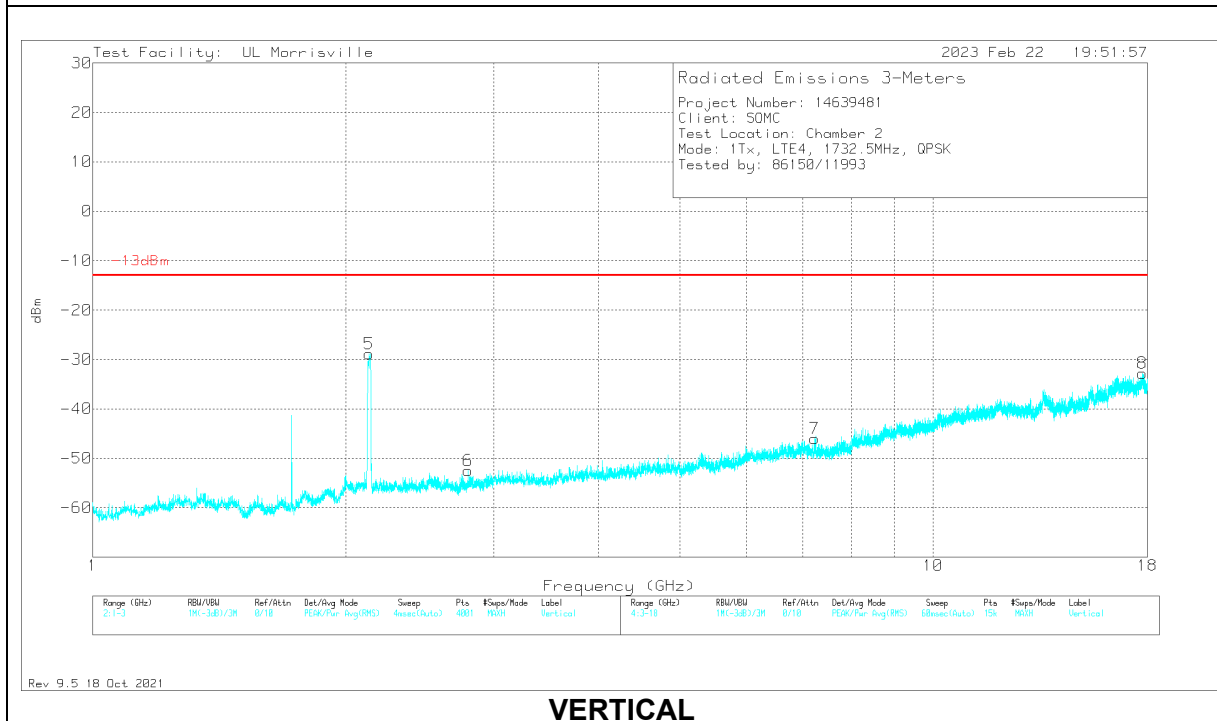
Pk - Peak detector

DL – Downlink from Callbox

QPSK Mid Channel



HORIZONTAL



VERTICAL

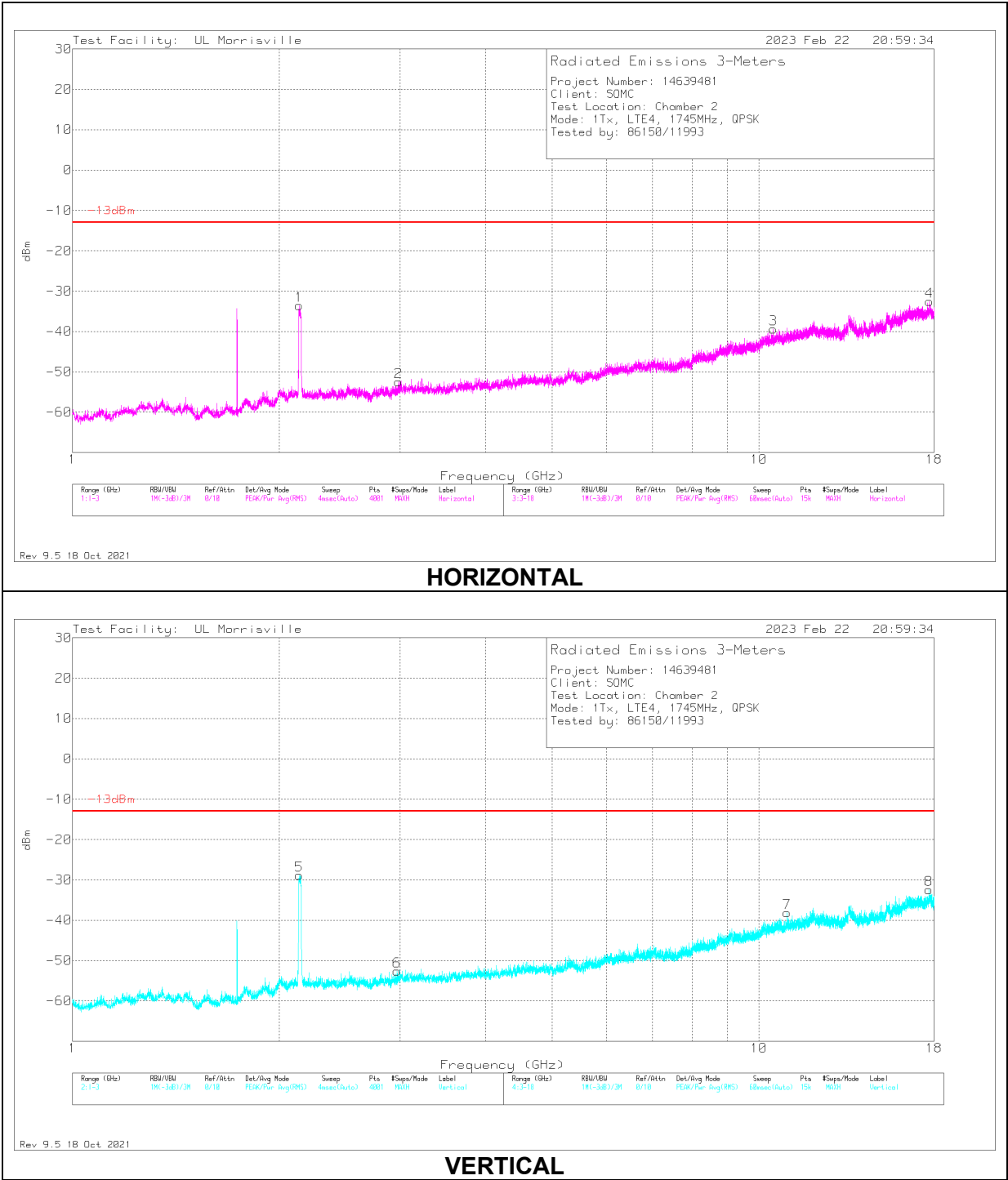
Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	206211 (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1 (DL)	2.134	-46.02	Pk	31.4	-34.3	11.8	1	-36.12	-	-	0-360	100	H
5 (DL)	2.134	-38.76	Pk	31.4	-34.3	11.8	1	-28.86	-	-	0-360	101	V
2	2.508	-64.08	Pk	32.4	-33.8	11.8	.5	-53.18	-13	-40.18	0-360	300	H
6	2.796	-63.46	Pk	32.3	-33.5	11.8	.4	-52.46	-13	-39.46	0-360	200	V
3	4.651	-64.69	Pk	34.2	-31.4	11.8	0	-50.09	-13	-37.09	0-360	101	H
7	7.236	-65.95	Pk	35.6	-27.4	11.8	0	-45.95	-13	-32.95	0-360	300	V
4	16.538	-64.08	Pk	41.3	-22	11.8	0	-32.98	-13	-19.98	0-360	300	H
8	17.752	-65.14	Pk	41.2	-20.6	11.8	0	-32.74	-13	-19.74	0-360	200	V

Pk - Peak detector

DL – Downlinkm from Callbox

QPSK High Channel



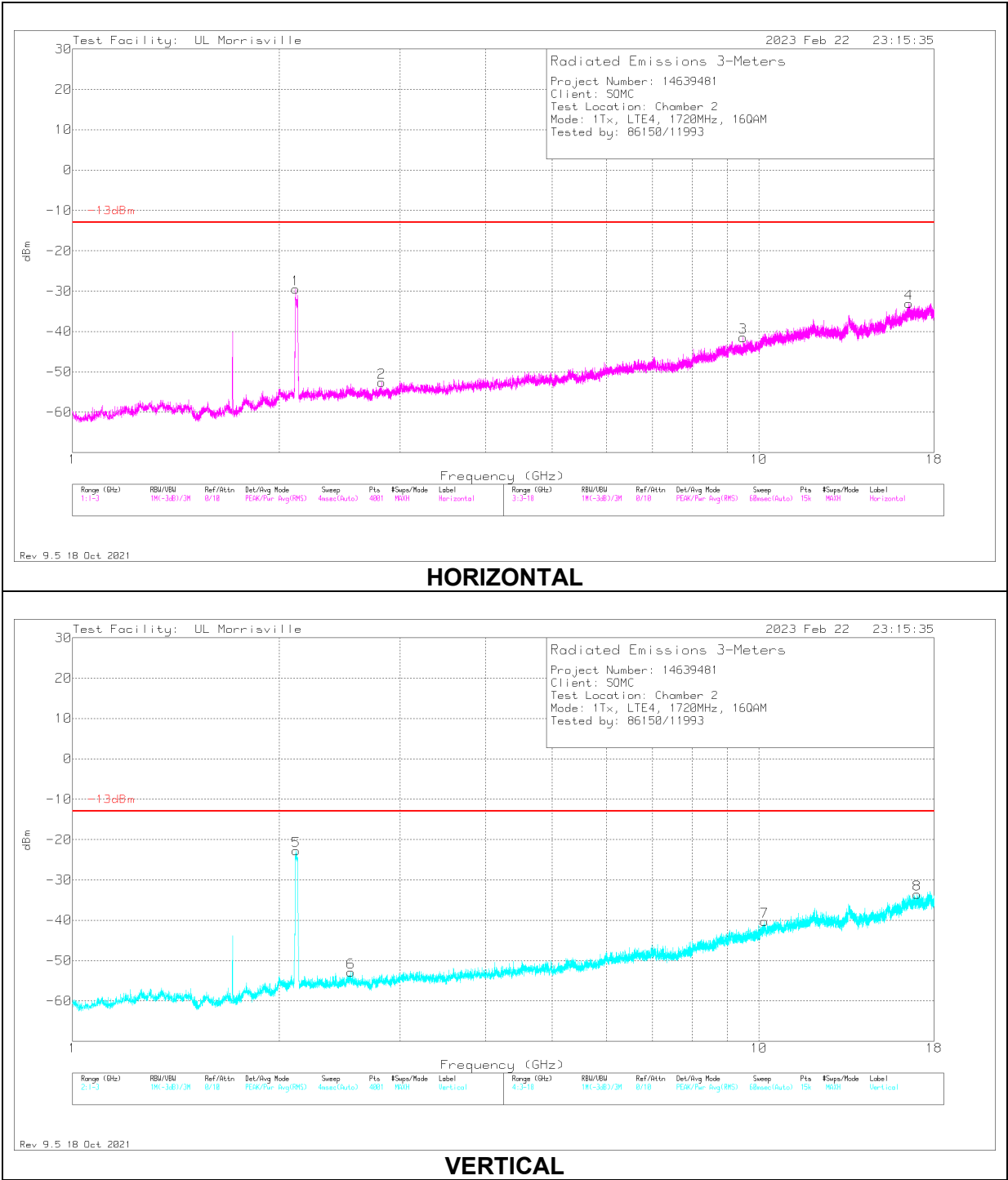
Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	206211 (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1 (DL)	2.139	-43.23	Pk	31.5	-34.6	11.8	1	-33.53	-	-	0-360	101	H
5 (DL)	2.14	-38.61	Pk	31.5	-34.6	11.8	1	-28.91	-	-	0-360	101	V
6	2.971	-63.88	Pk	32.6	-33.4	11.8	.3	-52.58	-13	-39.58	0-360	300	V
2	2.988	-63.86	Pk	32.7	-33.4	11.8	.3	-52.46	-13	-39.46	0-360	200	H
3	10.492	-64.76	Pk	37.5	-23.9	11.8	0	-39.36	-13	-26.36	0-360	101	H
7	10.987	-64.13	Pk	37.7	-23.5	11.8	0	-38.13	-13	-25.13	0-360	200	V
8	17.706	-64.15	Pk	41.2	-21.3	11.8	0	-32.45	-13	-19.45	0-360	300	V
4	17.721	-64.1	Pk	41.2	-21.5	11.8	0	-32.6	-13	-19.6	0-360	101	H

Pk - Peak detector

DL – Downlink from Callbox

16QAM Low Channel



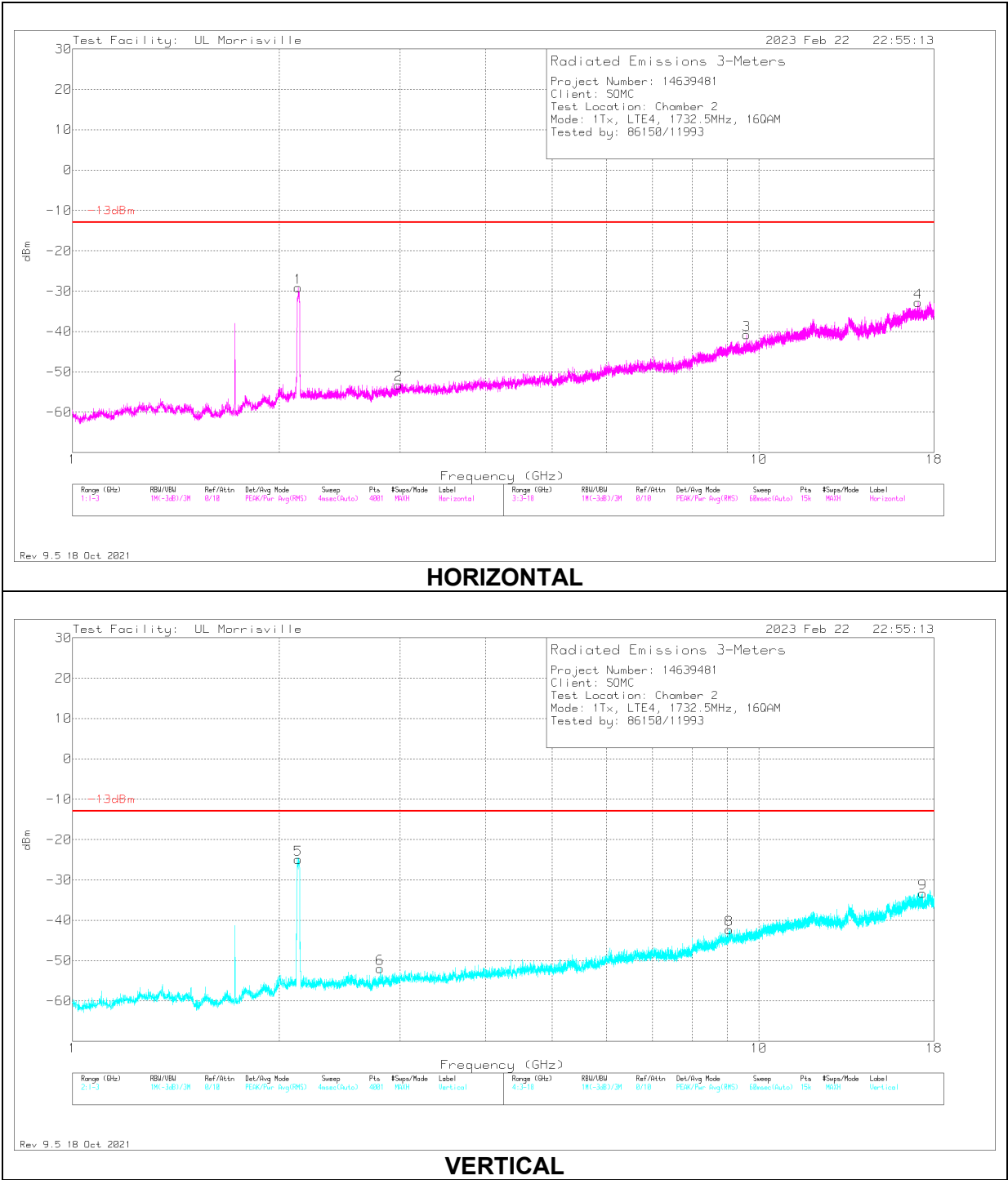
Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	206211 (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1 (DL)	2.1135	-39.72	Pk	31.4	-34	11.8	1	-29.52	-	-	0-360	100	H
5 (DL)	2.1165	-33.02	Pk	31.4	-34	11.8	1	-22.82	-	-	0-360	101	V
6	2.544	-63.99	Pk	32.5	-33.7	11.8	.5	-52.89	-13	-39.89	0-360	300	V
2	2.8225	-63.95	Pk	32.4	-33.3	11.8	.4	-52.65	-13	-39.65	0-360	200	H
3	9.492	-64.69	Pk	36.6	-25.2	11.8	0	-41.49	-13	-28.49	0-360	200	H
7	10.199	-65	Pk	37.3	-24.4	11.8	0	-40.3	-13	-27.3	0-360	300	V
4	16.548	-64.81	Pk	41.4	-21.5	11.8	0	-33.11	-13	-20.11	0-360	200	H
8	17.02	-64.64	Pk	41.6	-22.3	11.8	0	-33.54	-13	-20.54	0-360	300	V

Pk - Peak detector

DL – Downlink From Callbox

16QAM Mid Channel



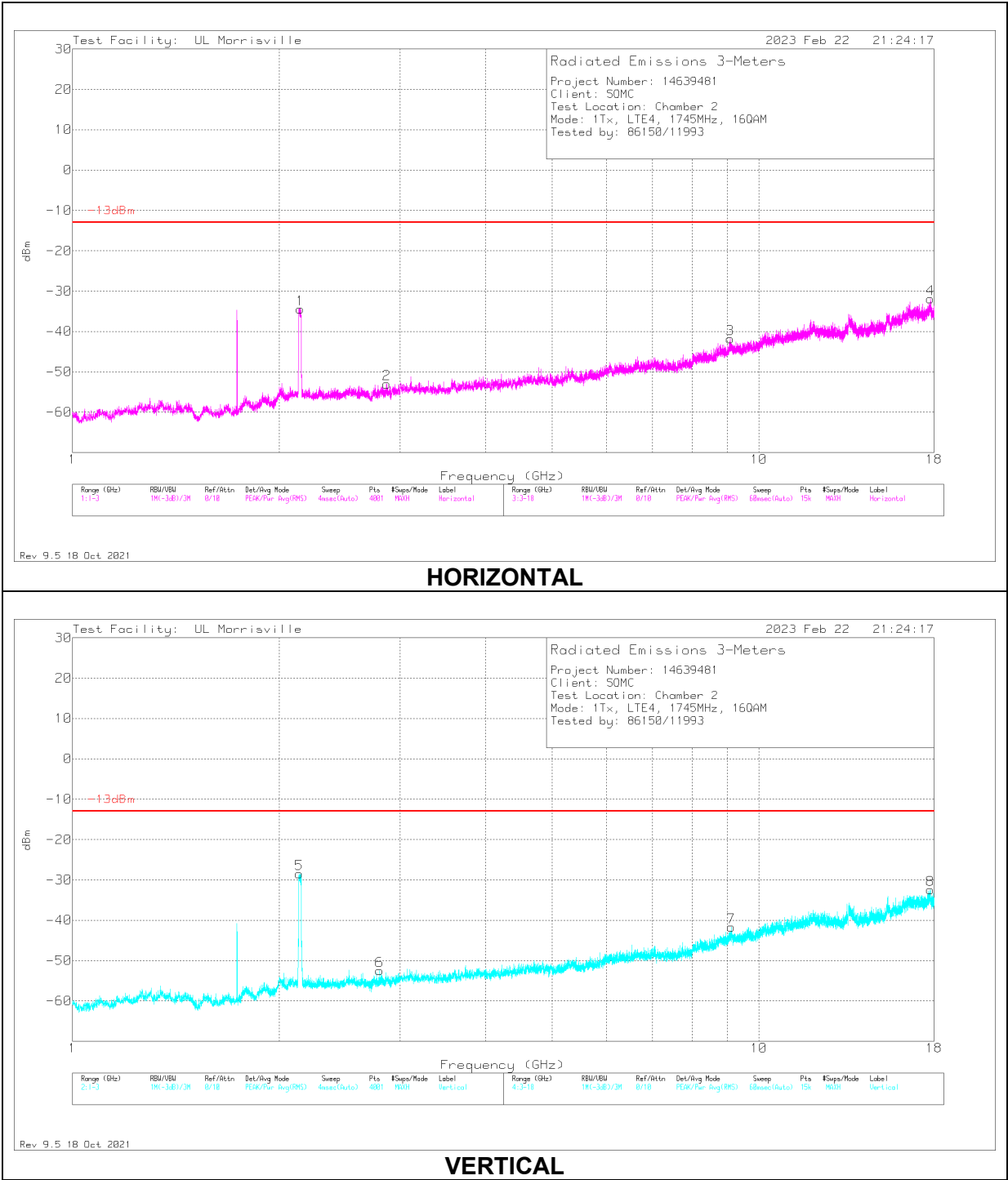
Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	206211 (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1 (DL)	2.1315	-39.16	Pk	31.4	-34.1	11.8	1	-29.06	-	-	0-360	101	H
5 (DL)	2.1315	-35.03	Pk	31.4	-34.1	11.8	1	-24.93	-	-	0-360	101	V
6	2.808	-62.99	Pk	32.3	-33.5	11.8	.4	-51.99	-13	-38.99	0-360	299	V
2	2.988	-64.57	Pk	32.7	-33.4	11.8	.3	-53.17	-13	-40.17	0-360	200	H
8	9.061	-64.96	Pk	36.1	-25.3	11.8	0	-42.36	-13	-29.36	0-360	101	V
3	9.602	-63.91	Pk	36.7	-25.4	11.8	0	-40.81	-13	-27.81	0-360	101	H
4	17.053	-65.03	Pk	41.6	-21.2	11.8	0	-32.83	-13	-19.83	0-360	101	H
9	17.318	-63.24	Pk	41.1	-23	11.8	0	-33.34	-13	-20.34	0-360	200	V

Pk - Peak detector

DL – Downlink from Callbox

16QAM High Channel



Radiated Emissions

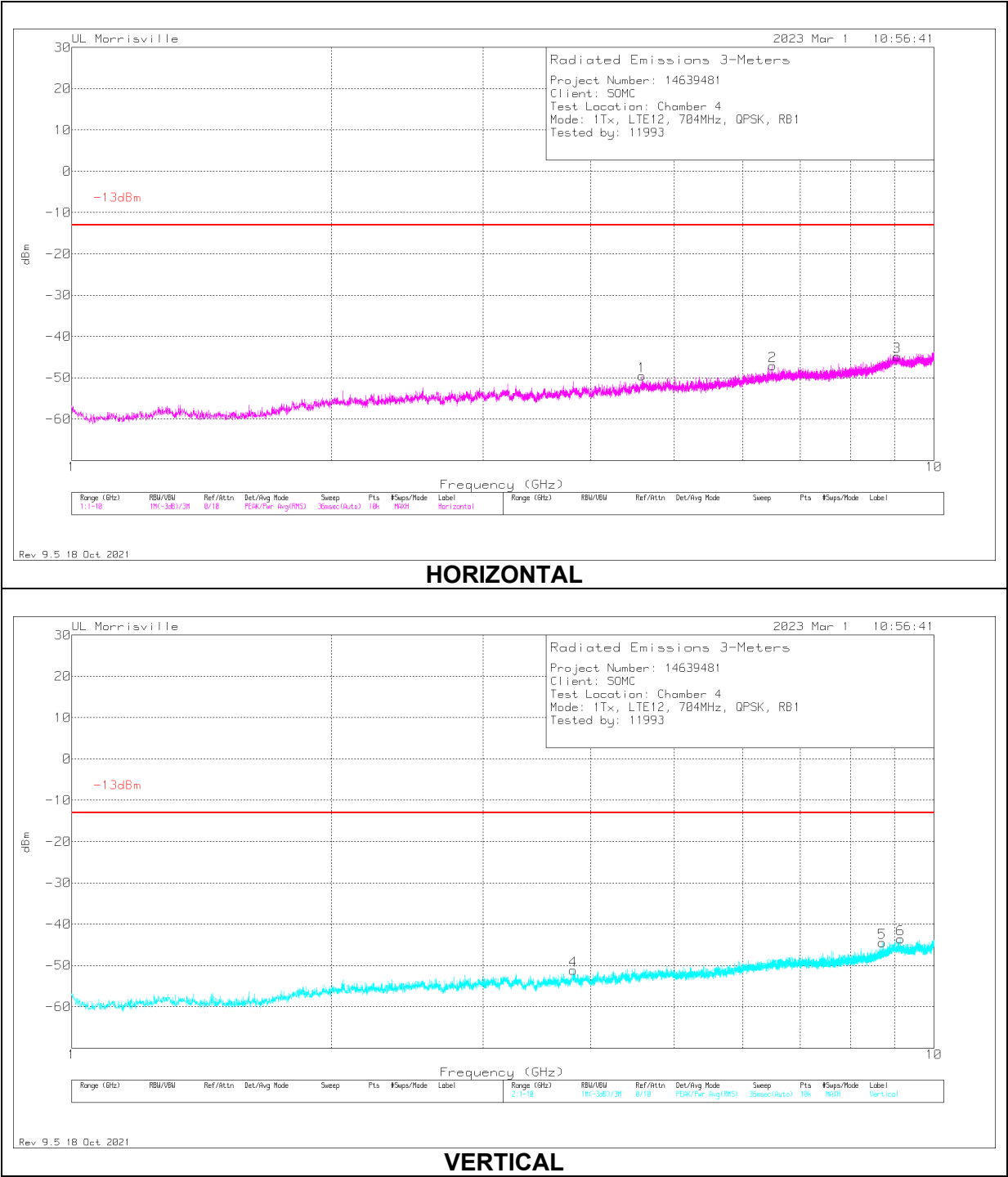
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	206211 (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5 (DL)	2.14	-38.24	Pk	31.5	-34.6	11.8	1	-28.54	-	-	0-360	101	V
1 (DL)	2.1485	-44.38	Pk	31.5	-34.4	11.8	1	-34.48	-	-	0-360	101	H
6	2.8035	-63.52	Pk	32.3	-33.5	11.8	.4	-52.52	-13	-39.52	0-360	200	V
2	2.87	-63.94	Pk	32.4	-33.6	11.8	.3	-53.04	-13	-40.04	0-360	300	H
3	9.092	-64.37	Pk	36.1	-25.3	11.8	0	-41.77	-13	-28.77	0-360	199	H
7	9.117	-64.28	Pk	36.2	-25.4	11.8	0	-41.68	-13	-28.68	0-360	299	V
4	17.777	-64.73	Pk	41.2	-20.2	11.8	0	-31.93	-13	-18.93	0-360	101	H
8	17.777	-65.18	Pk	41.2	-20.2	11.8	0	-32.38	-13	-19.38	0-360	299	V

Pk - Peak detector

DL - Downlink from Callbox

10.1.7. LTE BAND 12

QPSK Low Channel

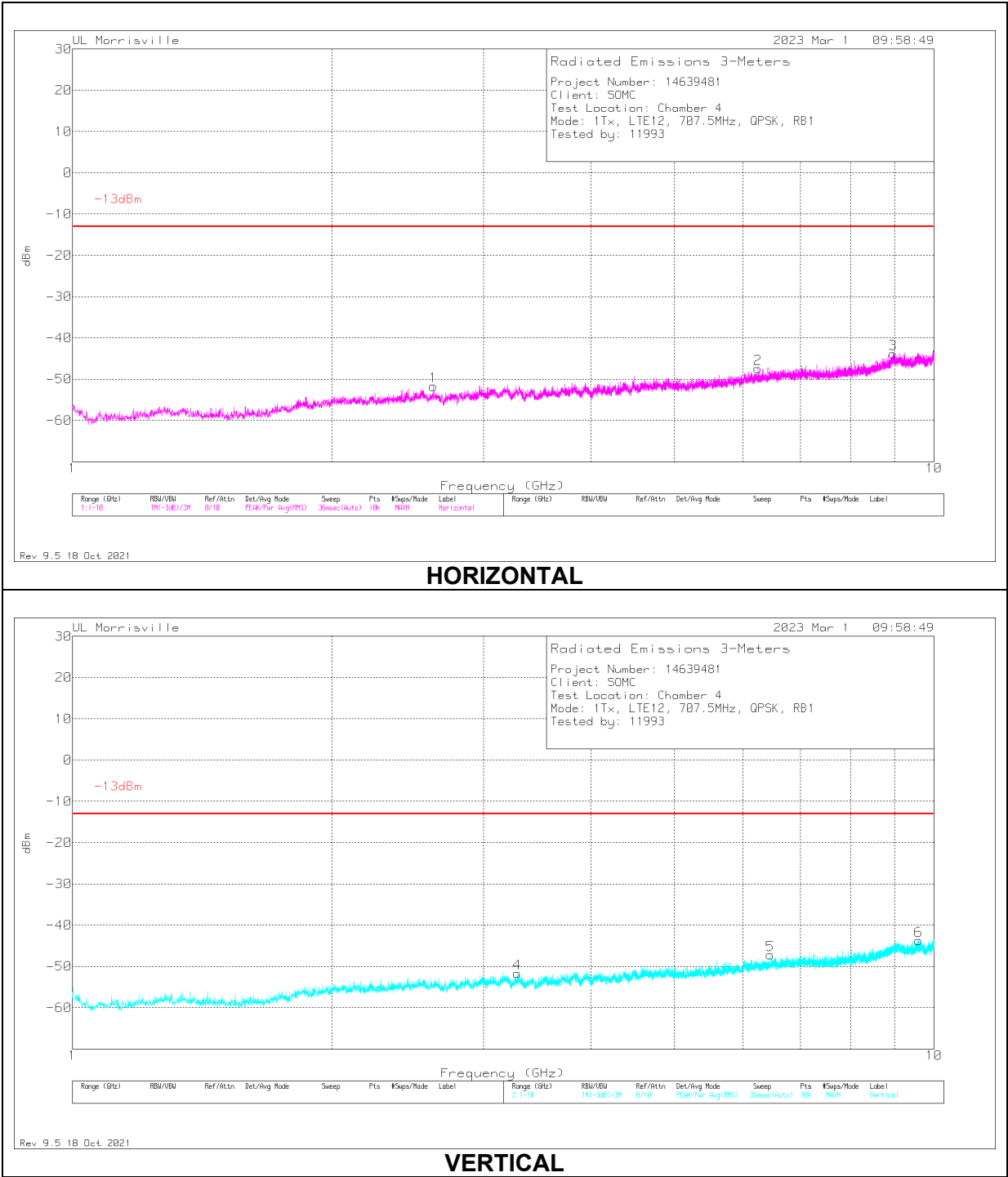


Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0067 (dB/m)	Gain/Loss (dB)	Filter (dB)	CF (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	3.817	-63.35	Pk	33.5	-33.8	.7	11.8	-51.15	-13	-38.15	0-360	200	V
1	4.5847	-63.25	Pk	34.1	-32.5	.3	11.8	-49.55	-13	-36.55	0-360	100	H
2	6.5008	-65.66	Pk	35.6	-29.2	.4	11.8	-47.06	-13	-34.06	0-360	100	H
5	8.7049	-65.65	Pk	35.9	-26.9	.4	11.8	-44.45	-13	-31.45	0-360	300	V
3	9.0568	-66.65	Pk	36.1	-26.5	.4	11.8	-44.85	-13	-31.85	0-360	100	H
6	9.1504	-65.35	Pk	36.2	-26.6	.4	11.8	-43.55	-13	-30.55	0-360	300	V

Pk - Peak detector

QPSK Mid Channel

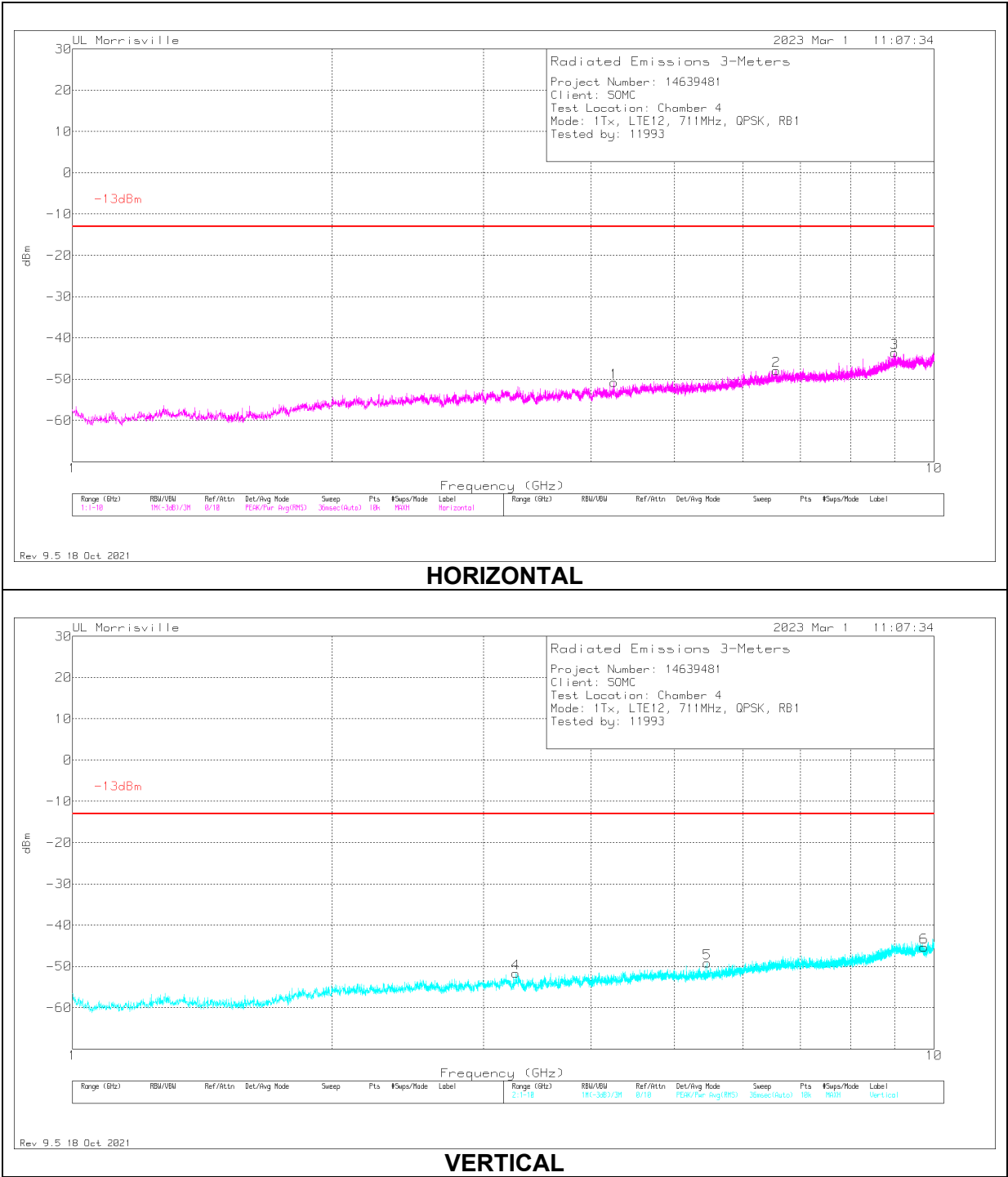


Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0067 (dB/m)	Gain/Loss (dB)	Filter (dB)	CF (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.6218	-60.32	Pk	32.5	-36.1	.4	11.8	-51.72	-13	-38.72	0-360	100	H
4	3.2824	-62.21	Pk	33	-35	.7	11.8	-51.71	-13	-38.71	0-360	300	V
2	6.2488	-65.2	Pk	35.5	-29.8	.3	11.8	-47.4	-13	-34.4	0-360	200	H
5	6.454	-65.38	Pk	35.6	-29.5	.3	11.8	-47.18	-13	-34.18	0-360	200	V
3	8.9659	-65.91	Pk	36.1	-26.3	.5	11.8	-43.81	-13	-30.81	0-360	100	H
6	9.6004	-66.13	Pk	36.7	-26.4	.3	11.8	-43.73	-13	-30.73	0-360	300	V

Pk - Peak detector

QPSK High Channel

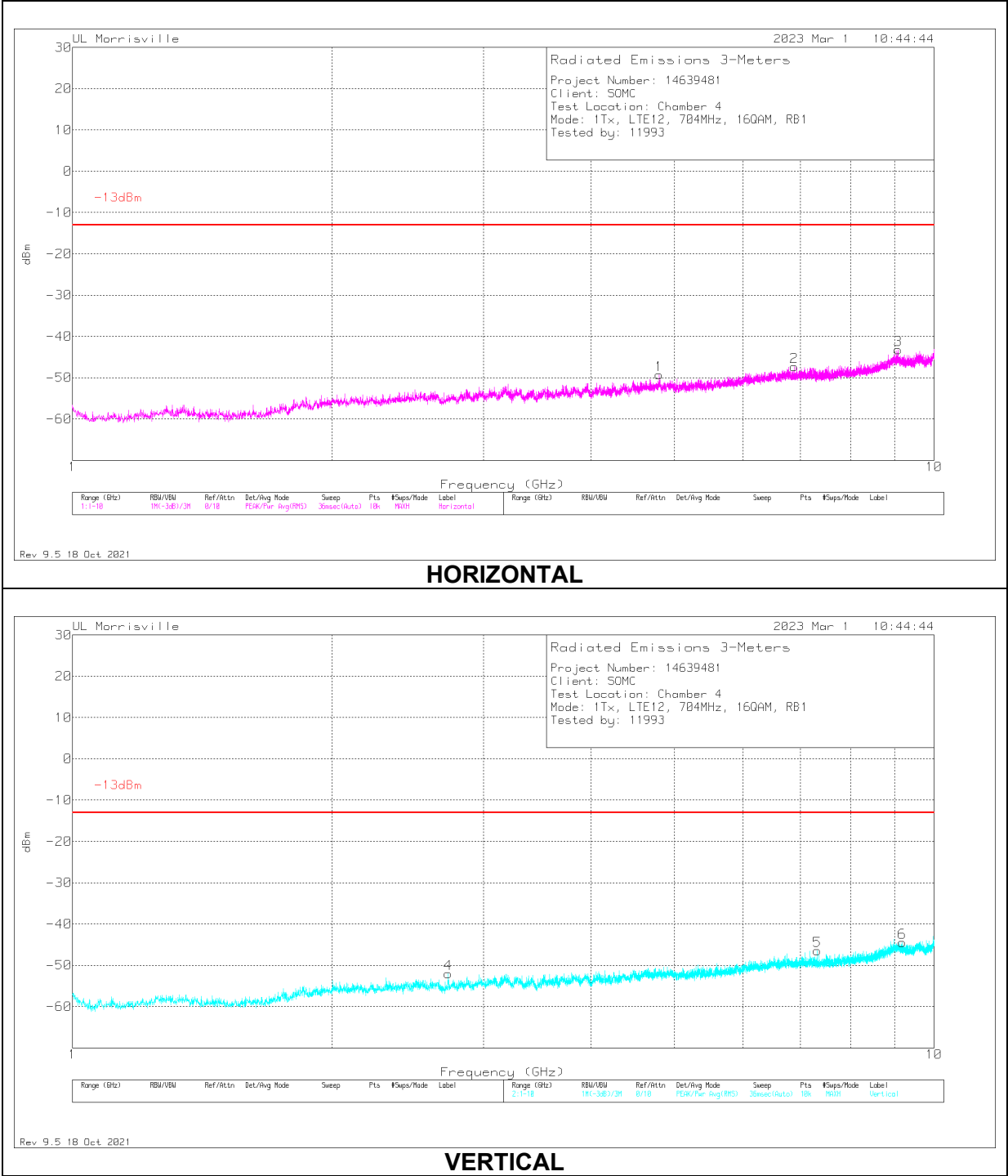


Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0067 (dB/m)	Gain/Loss (dB)	Filter (dB)	CF (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	3.2707	-62.06	Pk	33	-35	.6	11.8	-51.66	-13	-38.66	0-360	300	V
1	4.2526	-64.04	Pk	33.3	-32.3	.4	11.8	-50.84	-13	-37.84	0-360	100	H
5	5.4532	-64.07	Pk	34.6	-31.8	.3	11.8	-49.17	-13	-36.17	0-360	200	V
2	6.5629	-66.08	Pk	35.5	-29.5	.3	11.8	-47.98	-13	-34.98	0-360	200	H
3	9.0019	-65.64	Pk	36.1	-26.2	.4	11.8	-43.54	-13	-30.54	0-360	100	H
6	9.7363	-67.67	Pk	36.8	-26.6	.3	11.8	-45.37	-13	-32.37	0-360	200	V

Pk - Peak detector

16QAM Low Channel

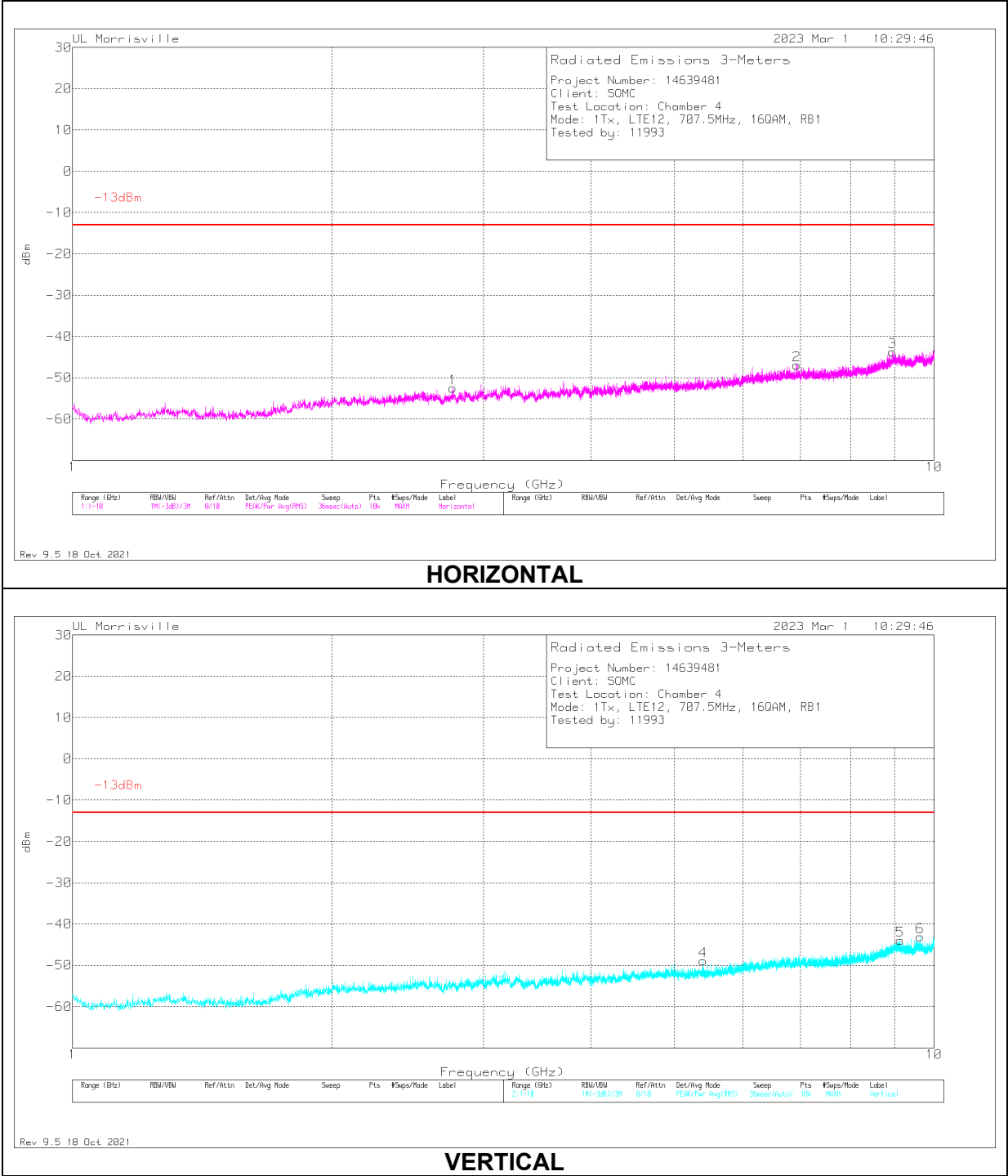


Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0067 (dB/m)	Gain/Loss (dB)	Filter (dB)	CF (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	2.728	-60.48	Pk	32.3	-36	.4	11.8	-51.98	-13	-38.98	0-360	300	V
1	4.798	-63.26	Pk	34.1	-32.2	.3	11.8	-49.26	-13	-36.26	0-360	100	H
2	6.8788	-66.07	Pk	35.6	-29	.3	11.8	-47.37	-13	-34.37	0-360	100	H
5	7.3189	-65.49	Pk	35.6	-28.8	.4	11.8	-46.49	-13	-33.49	0-360	200	V
3	9.0865	-65.12	Pk	36.2	-26.6	.5	11.8	-43.22	-13	-30.22	0-360	100	H
6	9.1864	-66.31	Pk	36.2	-26.5	.4	11.8	-44.41	-13	-31.41	0-360	200	V

Pk - Peak detector

16QAM Mid Channel

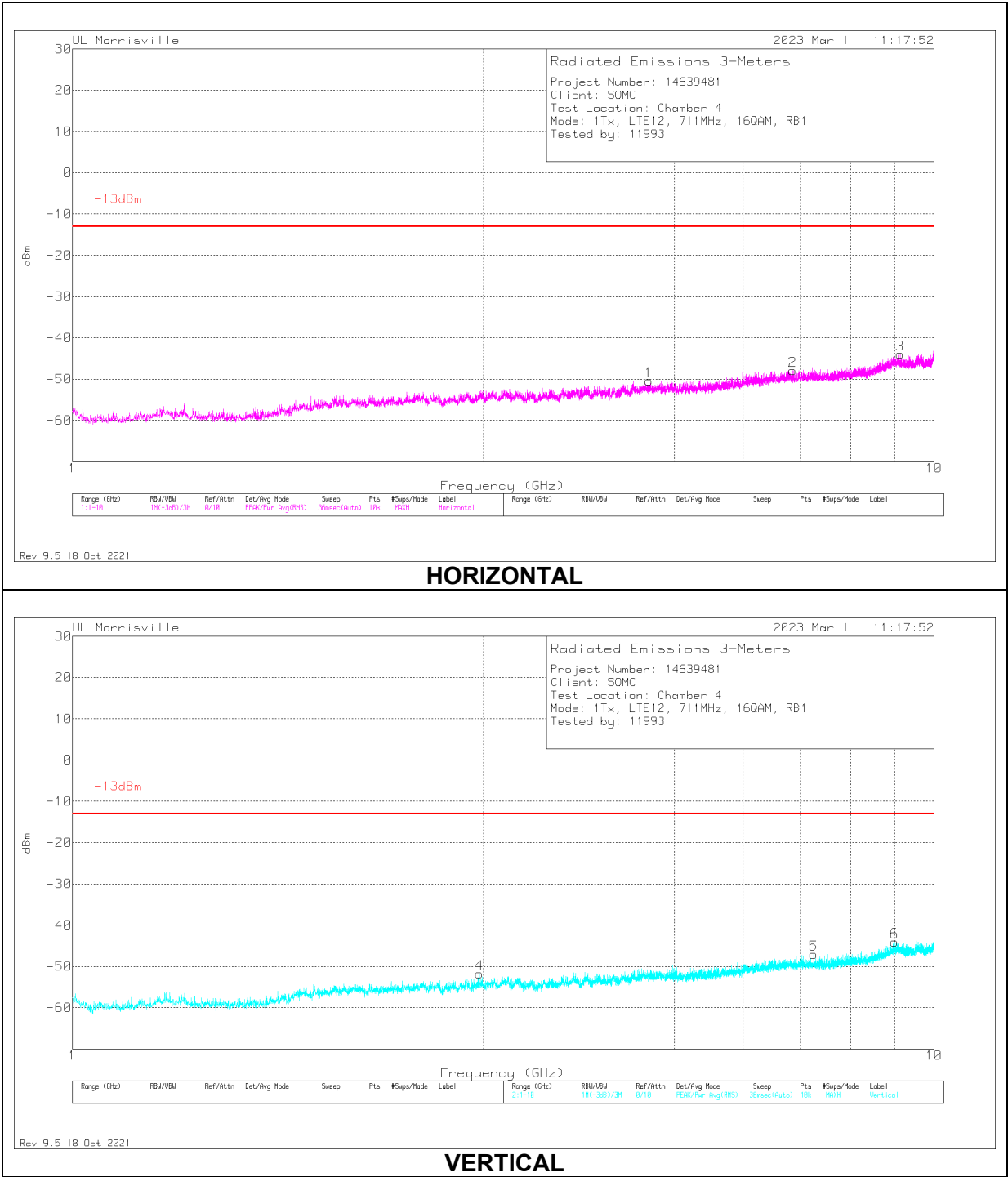


Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0067 (dB/m)	Gain/Loss (dB)	Filter (dB)	CF (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.7631	-61.14	Pk	32.4	-36.1	.5	11.8	-52.54	-13	-39.54	0-360	100	H
4	5.392	-63.65	Pk	34.6	-32	.3	11.8	-48.95	-13	-35.95	0-360	200	V
2	6.9256	-65.93	Pk	35.6	-28.8	.4	11.8	-46.93	-13	-33.93	0-360	100	H
3	8.9542	-65.76	Pk	36.1	-26.4	.5	11.8	-43.76	-13	-30.76	0-360	100	H
5	9.1405	-65.98	Pk	36.2	-26.4	.4	11.8	-43.98	-13	-30.98	0-360	300	V
6	9.631	-65.55	Pk	36.7	-26.5	.4	11.8	-43.15	-13	-30.15	0-360	300	V

Pk - Peak detector

16QAM High Channel



Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0067 (dB/m)	Gain/Loss (dB)	Filter (dB)	CF (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	2.9665	-61.21	Pk	32.8	-35.6	.4	11.8	-51.81	-13	-38.81	0-360	300	V
1	4.6648	-64.07	Pk	34	-32.4	.3	11.8	-50.37	-13	-37.37	0-360	100	H
2	6.8563	-66.58	Pk	35.6	-29	.3	11.8	-47.88	-13	-34.88	0-360	100	H
5	7.2505	-66.19	Pk	35.7	-28.8	.4	11.8	-47.09	-13	-34.09	0-360	300	V
6	9.0037	-66.13	Pk	36.1	-26.2	.4	11.8	-44.03	-13	-31.03	0-360	300	V
3	9.1378	-65.97	Pk	36.2	-26.4	.4	11.8	-43.97	-13	-30.97	0-360	100	H

Pk - Peak detector

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.

TEST PROCEDURE

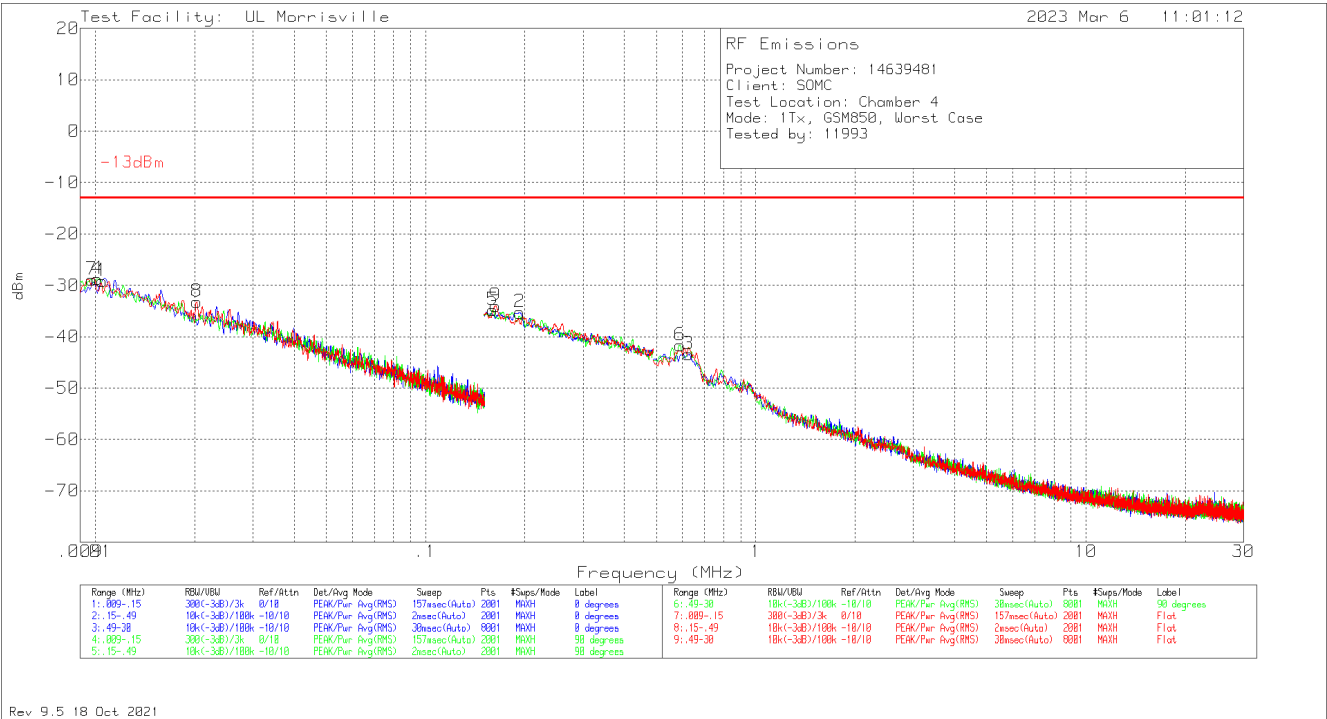
KDB 971168 D01 v02r02/D02 v01

Note for below 30 MHz scans: All measurements were made at a test distance of 3 m. The measured data was extrapolated from the test distance (3m) to the specification distance (300 m from 9-490 kHz and 30 m from 490 kHz – 30 MHz) to clearly show the relative levels of fundamental and spurious emissions and demonstrate compliance with the requirement that the level of any spurious emissions be below the level of the intentionally transmitted signal. The extrapolation factor for the limits were $40 * \log (\text{test distance} / \text{specification distance})$.

RESULTS

10.2.1. Worst-Case Emissions for 2G

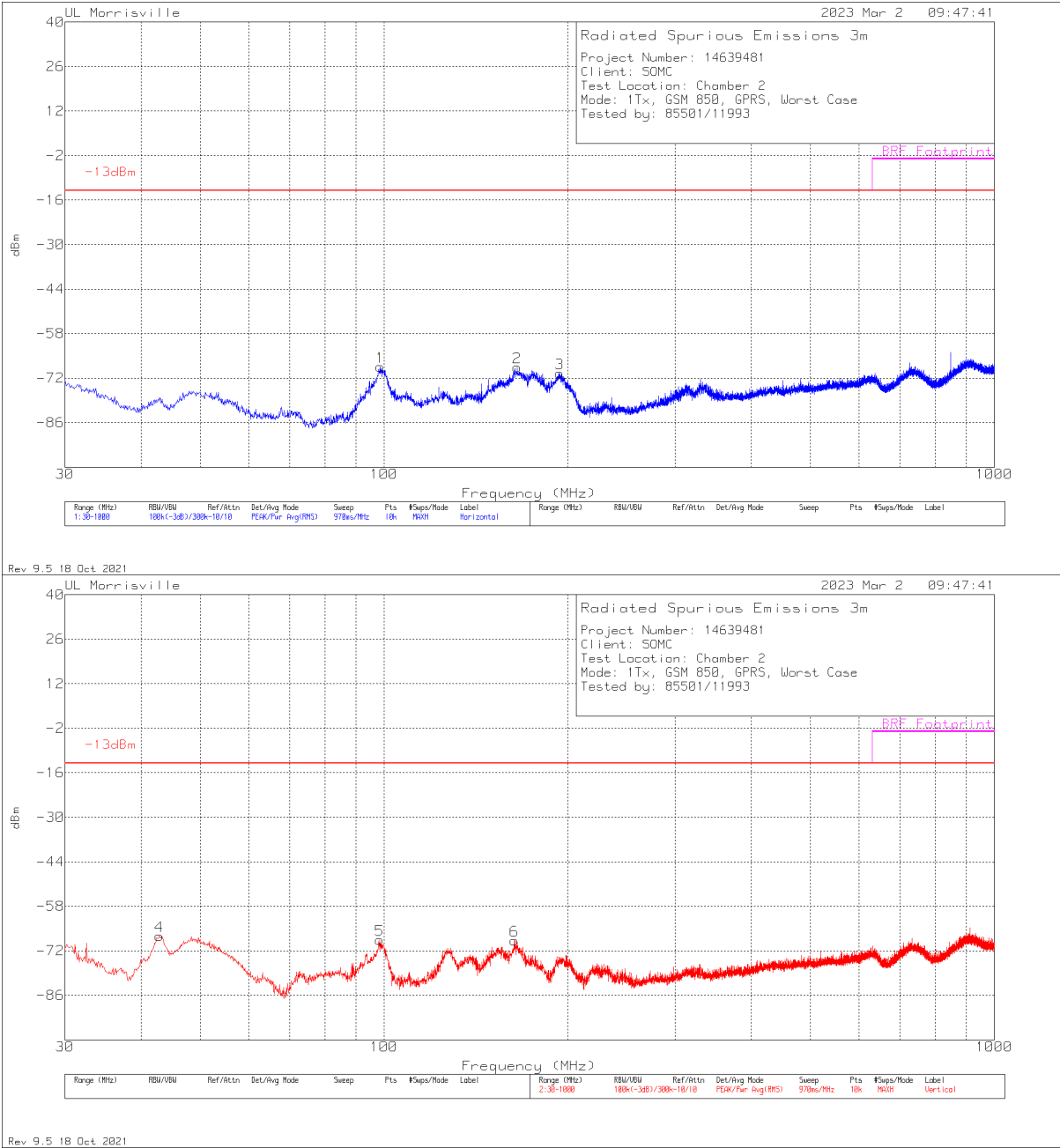
Spurious below 30MHz



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)	Loop Angle
7	.00978	-60.3	Pk	19.5	.1	11.8	-28.9	-13	-15.9	0-360	Flat
4	.01014	-59.81	Pk	19.2	.1	11.8	-28.71	-13	-15.71	0-360	90 degs
1	.01049	-60.18	Pk	19.1	.1	11.8	-29.18	-13	-16.18	0-360	0 degs
8	.02029	-59.95	Pk	14.9	.1	11.8	-33.15	-13	-20.15	0-360	Flat
5	.15986	-58.92	Pk	12.2	.1	11.8	-34.82	-13	-21.82	0-360	90 degs
9	.16275	-58.11	Pk	12.2	.1	11.8	-34.01	-13	-21.01	0-360	Flat
2	.19293	-59.39	Pk	12.2	.1	11.8	-35.29	-13	-22.29	0-360	0 degs
6	.5896	-65.85	Pk	12.2	.2	11.8	-41.65	-13	-28.65	0-360	90 degs
3	.62649	-67.59	Pk	12.2	.2	11.8	-43.39	-13	-30.39	0-360	0 degs

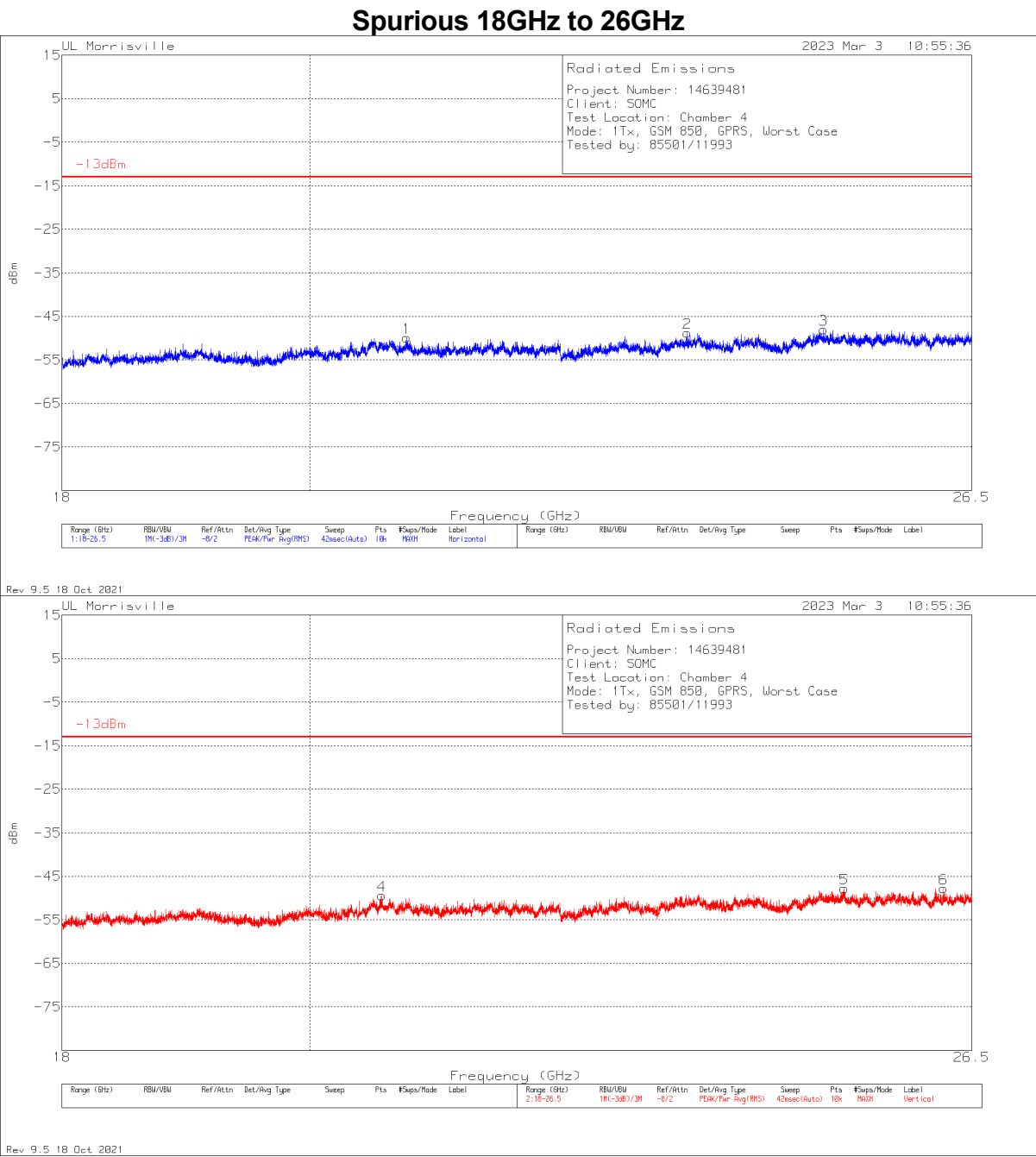
Pk - Peak detector
SN: QV7700GGFR

Spurious below 1GHz



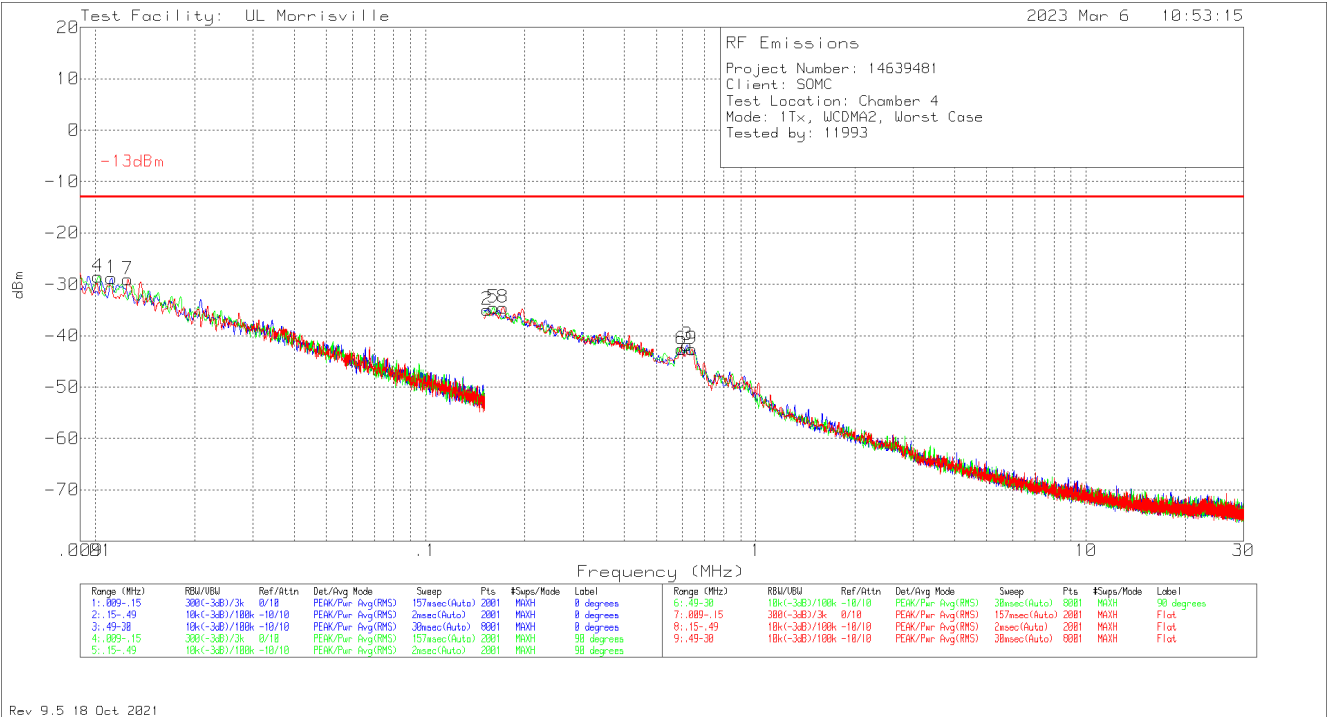
Marker	Frequency (MHz)	Meter Reading (dBm)	Det	90629 (dB/m)	Gain/Loss (dB)	Filter (dB)	Conversion Factor (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	42.804	-63.64	Pk	17.7	-31.4	.2	9.7	-67.44	-13	-54.44	0-360	100	V
5	98.288	-65.12	Pk	17.1	-30.7	.4	9.7	-68.62	-13	-55.62	0-360	100	V
1	98.482	-64.95	Pk	17.1	-30.7	.4	9.7	-68.45	-13	-55.45	0-360	200	H
6	163.375	-67.53	Pk	18.4	-30.1	.7	9.7	-68.83	-13	-55.83	0-360	100	V
2	165.218	-67.24	Pk	18.3	-30.1	.7	9.7	-68.64	-13	-55.64	0-360	100	H
3	193.93	-68.83	Pk	17.8	-30	.8	9.7	-70.53	-13	-57.53	0-360	100	H

Pk - Peak detector SN: QV7700C9FR



10.2.2. Worst-Case Emissions for 3G

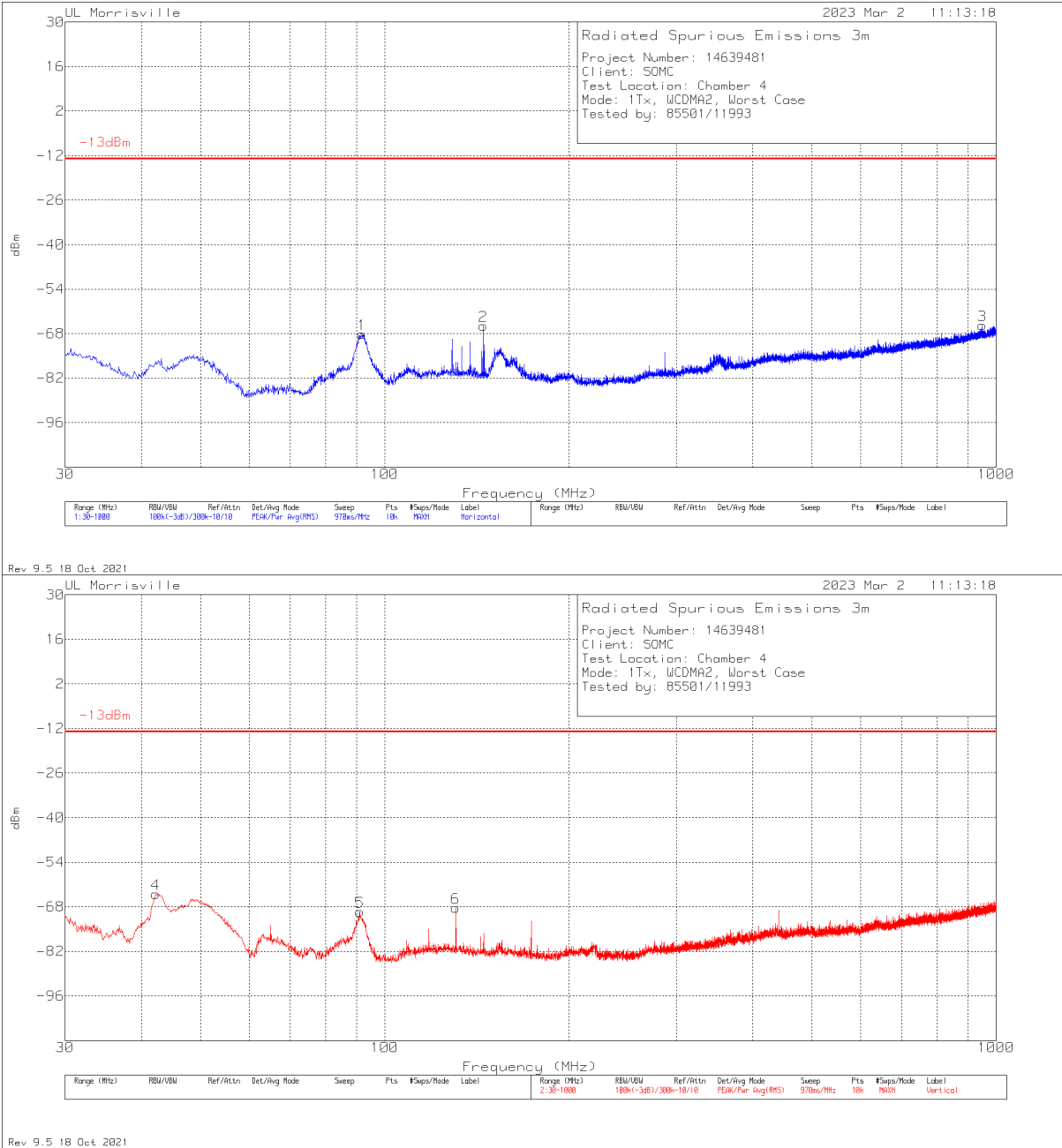
Spurious below 30MHz



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)	Loop Angle
4	.01021	-59.61	Pk	19.2	.1	11.8	-28.51	-13	-15.51	0-360	90 degs
1	.0112	-59.51	Pk	18.8	.1	11.8	-28.81	-13	-15.81	0-360	0 degs
7	.01255	-59.12	Pk	18.2	.1	11.8	-29.02	-13	-16.02	0-360	Flat
2	.154	-59.01	Pk	12.2	.1	11.8	-34.91	-13	-21.91	0-360	0 degs
5	.16054	-58.61	Pk	12.2	.1	11.8	-34.51	-13	-21.51	0-360	90 degs
8	.17168	-58.6	Pk	12.2	.1	11.8	-34.5	-13	-21.5	0-360	Flat
6	.59698	-66.76	Pk	12.2	.2	11.8	-42.56	-13	-29.56	0-360	90 degs
3	.61912	-66.01	Pk	12.2	.2	11.8	-41.81	-13	-28.81	0-360	0 degs
9	.64125	-66.81	Pk	12.2	.2	11.8	-42.61	-13	-29.61	0-360	Flat

Pk - Peak detector
SN: QV7700GGFR

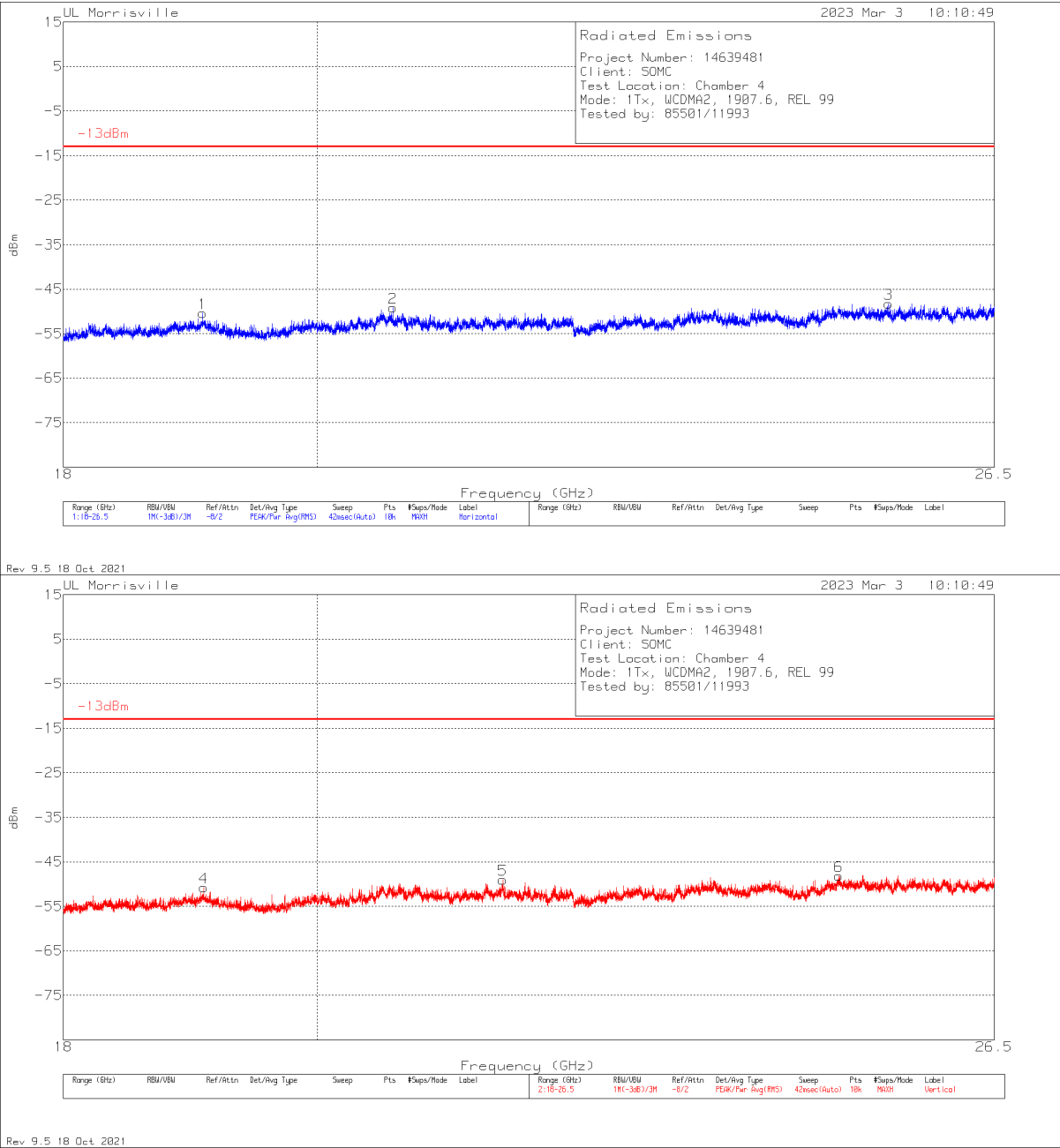
Spurious below 1GHz



Marker	Frequency (MHz)	Meter Reading (dBm)	Det	90629 (dB/m)	Gain/Loss (dB)	Filter (dB)	Conversion Factor (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	42.222	-60.62	Pk	18.1	-31.4	.2	9.7	-64.02	-13	-51.02	0-360	100	V
5	91.013	-62.88	Pk	14.2	-30.8	.3	9.7	-69.48	-13	-56.48	0-360	100	V
1	91.886	-61.84	Pk	14.5	-30.8	.3	9.7	-68.14	-13	-55.14	0-360	100	H
6	130.686	-67.69	Pk	19.8	-30.5	.4	9.7	-68.29	-13	-55.29	0-360	100	V
2	145.042	-64.24	Pk	18.8	-30.2	.4	9.7	-65.54	-13	-52.54	0-360	100	H
3	949.269	-80.13	Pk	28.9	-24.9	1.1	9.7	-65.33	-13	-52.33	0-360	300	H

Pk - Peak detector
SN: QV7700C9FR

Spurious 18GHz to 26GHz

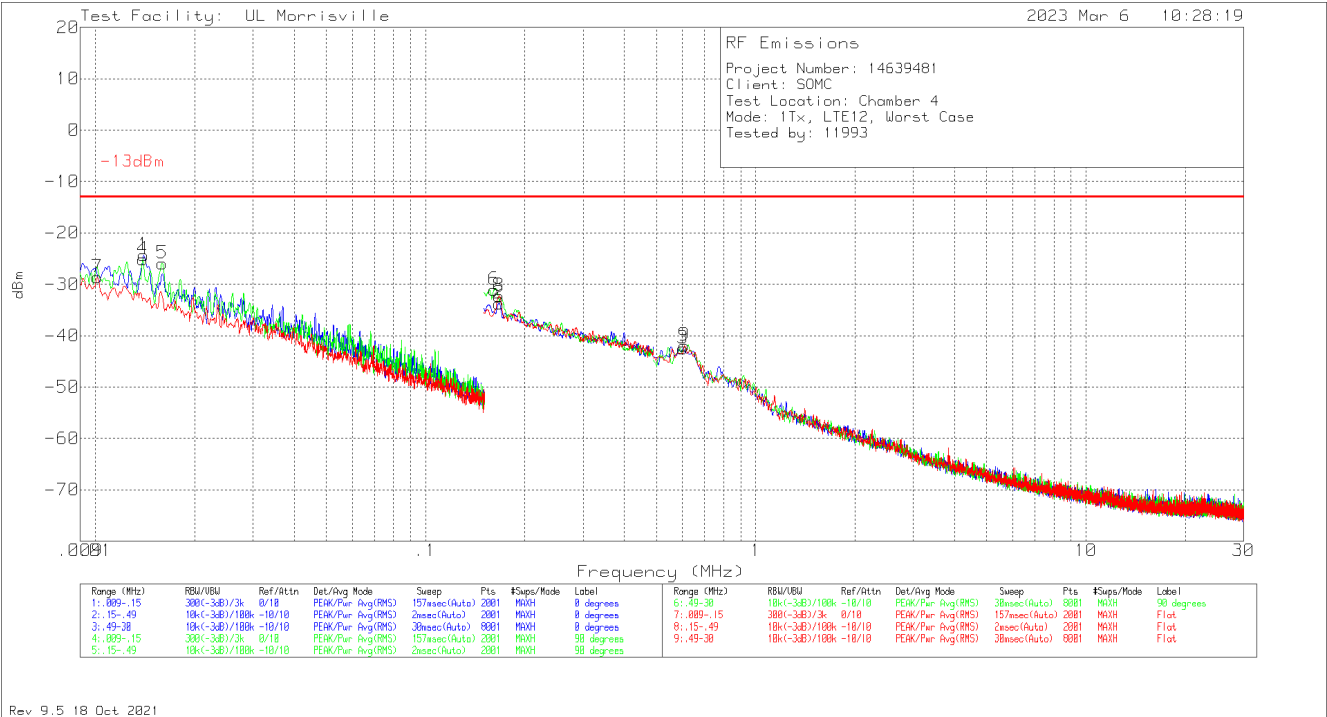


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	204704 (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	Corrected Reading dBm	-13dBm	PK Margin (dB)	Azimuth (Degr)	Height (cm)	Polarity
1	19.07344	-56.75	Pk	33.8	-39.3	11.8	-50.45	-13	-37.45	0-360	100	H
4	19.08279	-56.9	Pk	33.8	-39.5	11.8	-50.8	-13	-37.8	0-360	300	V
2	20.64324	-55.88	Pk	34.1	-39.2	11.8	-49.18	-13	-36.18	0-360	250	H
5	21.60534	-56.62	Pk	34.1	-38.3	11.8	-49.02	-13	-36.02	0-360	200	V
6	24.84437	-58.22	Pk	35.5	-37.2	11.8	-48.12	-13	-35.12	0-360	200	V
3	25.36111	-58.85	Pk	36.1	-37.3	11.8	-48.25	-13	-35.25	0-360	200	H

Pk - Peak detector
SN: QV7700C9FR

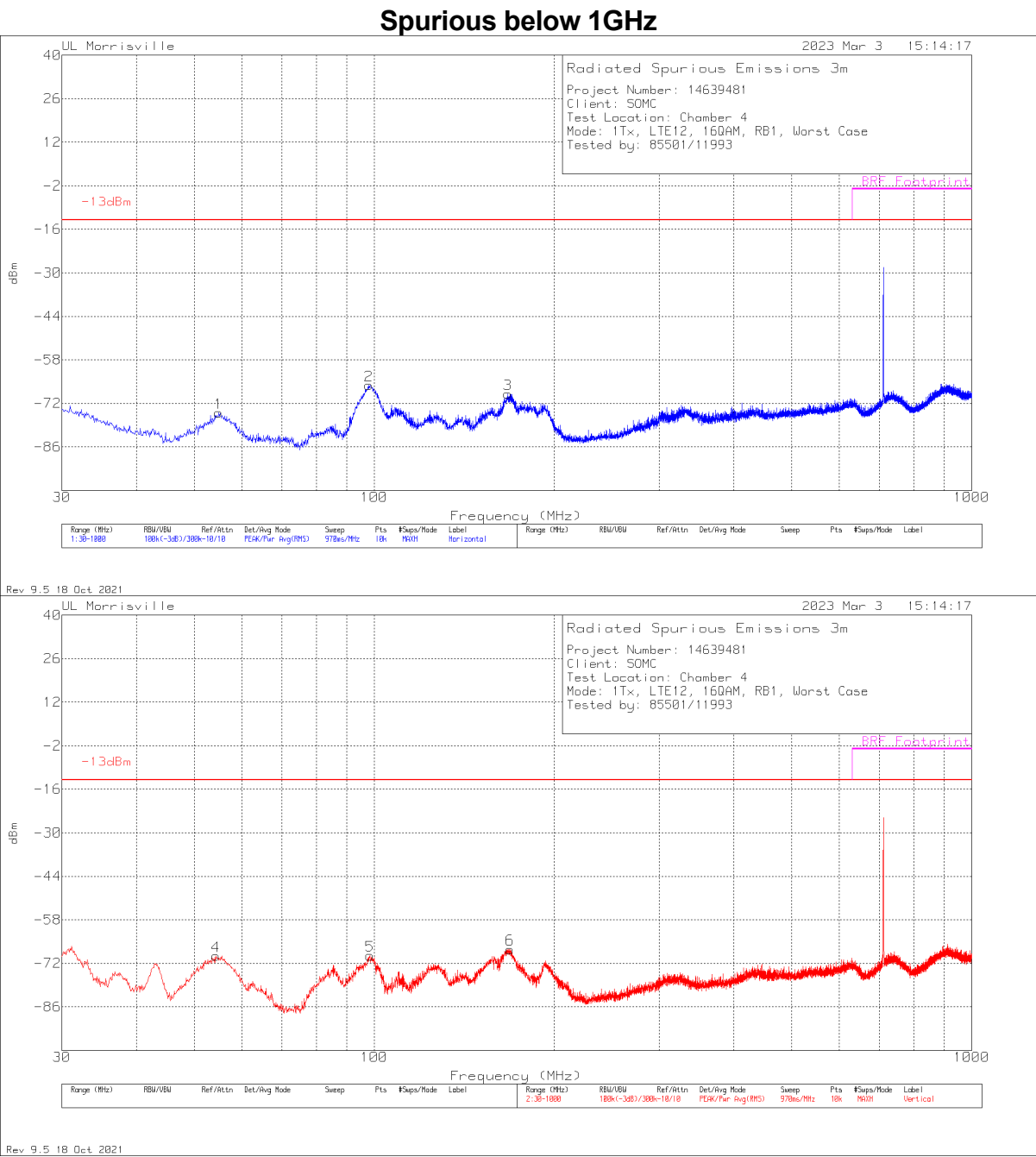
10.2.3. Worst-Case Emissions for 4G

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)	Loop Angle
7	.01014	-59.72	Pk	19.2	.1	11.8	-28.62	-13	-15.62	0-360	Flat
4	.01397	-54.65	Pk	17.6	.1	11.8	-25.15	-13	-12.15	0-360	90 degs
1	.01404	-53.77	Pk	17.5	.1	11.8	-24.37	-13	-11.37	0-360	0 degs
5	.01596	-54.5	Pk	16.7	.1	11.8	-25.9	-13	-12.9	0-360	90 degs
6	.16156	-55.12	Pk	12.2	.1	11.8	-31.02	-13	-18.02	0-360	90 degs
2	.16666	-57.83	Pk	12.2	.1	11.8	-33.73	-13	-20.73	0-360	0 degs
8	.167	-56.4	Pk	12.2	.1	11.8	-32.3	-13	-19.3	0-360	Flat
3	.60067	-66.72	Pk	12.2	.2	11.8	-42.52	-13	-29.52	0-360	0 degs
9	.60805	-66.13	Pk	12.2	.2	11.8	-41.93	-13	-28.93	0-360	Flat

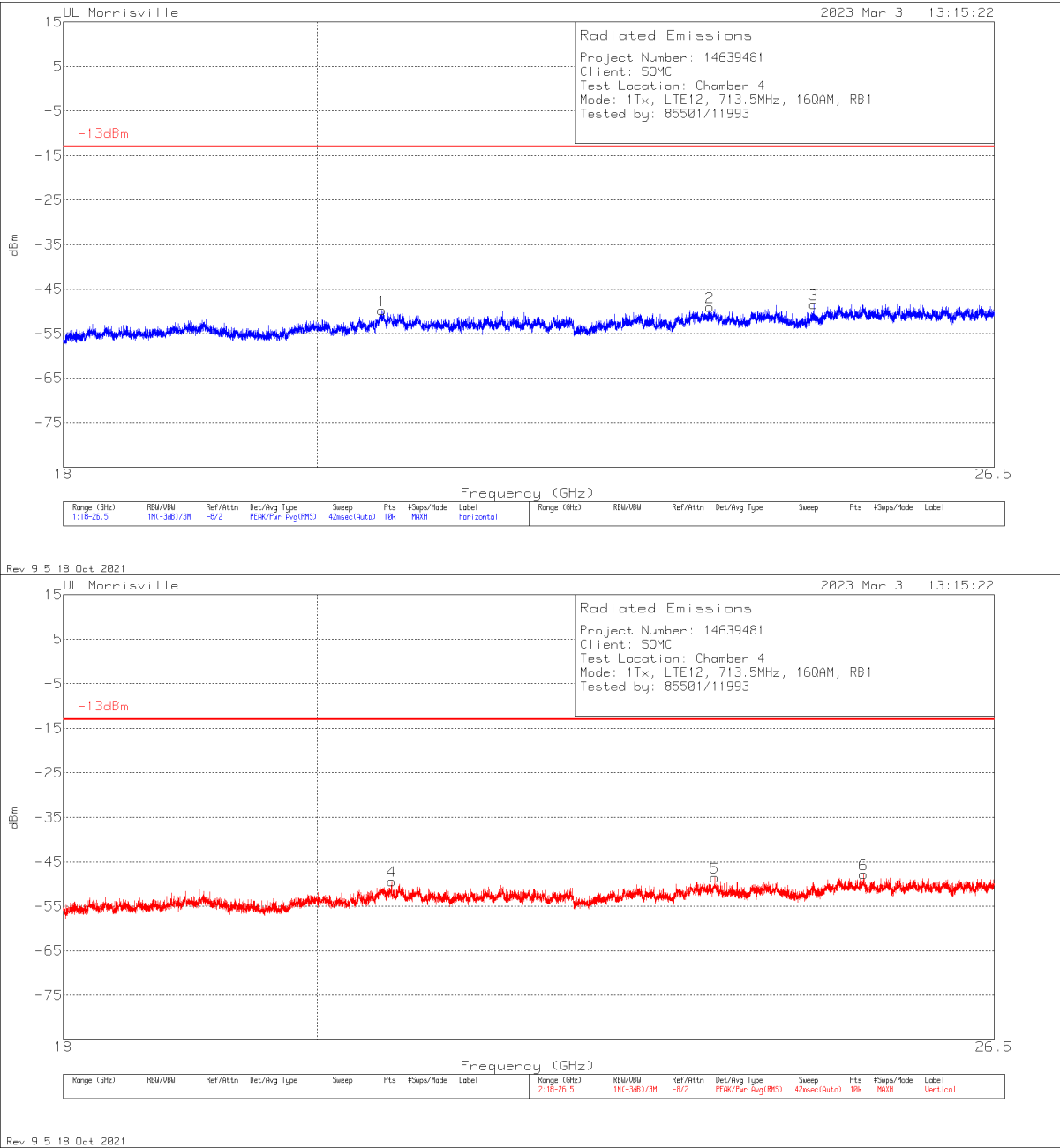
Pk - Peak detector
SN: QV7700GGFR



Marker	Frequency (MHz)	Meter Reading (dBm)	Det	90629 (dB/m)	Gain/Loss (dB)	Filter (dB)	Conversion Factor (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	54.347	-61.66	Pk	13.5	-31.4	.2	9.7	-69.66	-13	-56.66	0-360	100	V
1	54.929	-66.99	Pk	13.5	-31.4	.2	9.7	-74.99	-13	-61.99	0-360	300	H
2	97.9	-62.51	Pk	17	-30.7	.4	9.7	-66.11	-13	-53.11	0-360	100	H
5	98.288	-66.04	Pk	17.1	-30.7	.4	9.7	-69.54	-13	-56.54	0-360	100	V
3	167.158	-67.29	Pk	18.1	-30.1	.7	9.7	-68.89	-13	-55.89	0-360	100	H
6	168.807	-65.76	Pk	18	-30.1	.7	9.7	-67.46	-13	-54.46	0-360	100	V

Pk - Peak detector
SN: QV7700C9FR

Spurious 18GHz to 26GHz



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	204704 (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	Corrected Reading dBm	-13dBm	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	20.54635	-57.27	Pk	34.2	-38.5	11.8	-49.77	-13	-36.77	0-360	250	H
4	20.63134	-56.54	Pk	34.1	-38.7	11.8	-49.34	-13	-36.34	0-360	250	V
2	23.54485	-58.71	Pk	35.2	-37.3	11.8	-49.01	-13	-36.01	0-360	300	H
5	23.59754	-58.86	Pk	35.3	-36.8	11.8	-48.56	-13	-35.56	0-360	200	V
3	24.58514	-58.21	Pk	35.2	-37.2	11.8	-48.41	-13	-35.41	0-360	300	H
6	25.10104	-58.61	Pk	35.7	-36.7	11.8	-47.81	-13	-34.81	0-360	200	V

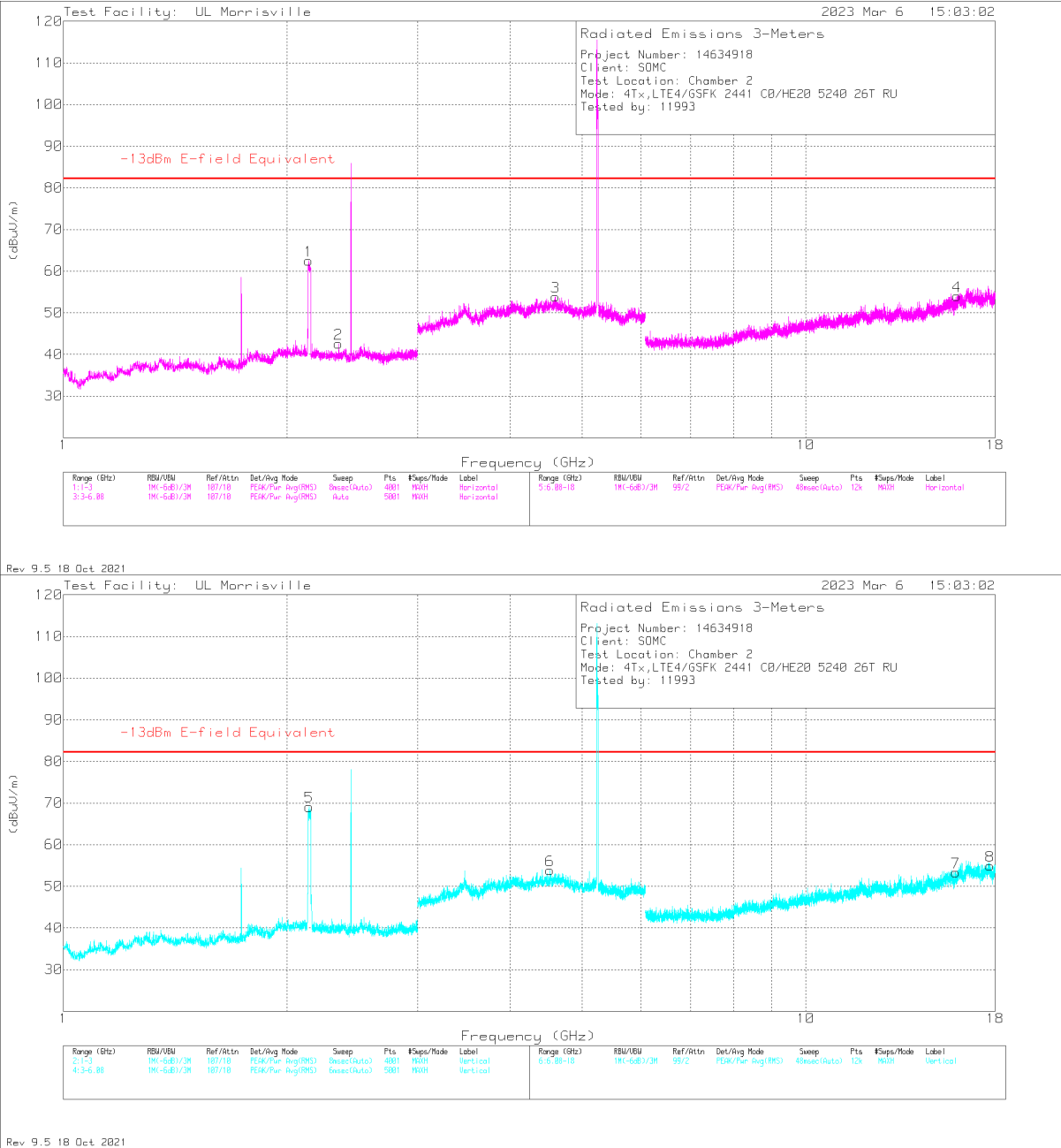
Pk - Peak detector
SN: QV7700C9FR

10.3. Simultaneous Transmission

RESULTS

Note - SN Used: **QV7700GGFR**

10.3.1. Scan 1



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Gain/Loss (dB)	Filter (dB)	Corrected Reading (dBuV/m)	-13dBm E-field Equivalent (dBuV)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	** 2.1405 (DL)	53.2	Pk	31.5	-23.4	1.2	62.5	-	-	0-360	199	H
2	*** 2.3495	33.91	Pk	31.9	-23.9	.6	42.51	82.2	-39.69	0-360	199	H
5	** 2.142 (DL)	59.78	Pk	31.5	-23.4	1.2	69.08	-	-	0-360	199	V
7	*** 15.93982	36.92	Pk	40.7	-24.3	0	53.32	82.2	-28.88	0-360	200	V
4	*** 15.98353	36.95	Pk	40.8	-23.7	0	54.05	82.2	-28.15	0-360	101	H
8	*** 17.71193	34.98	Pk	41.2	-21.2	0	54.98	82.2	-27.22	0-360	101	V
6	*** 4.52645	40.62	Pk	34	-20.7	0	53.92	82.2	-28.28	0-360	101	V
3	*** 4.60098	40.46	Pk	34.2	-20.8	0	53.86	82.2	-28.34	0-360	101	H

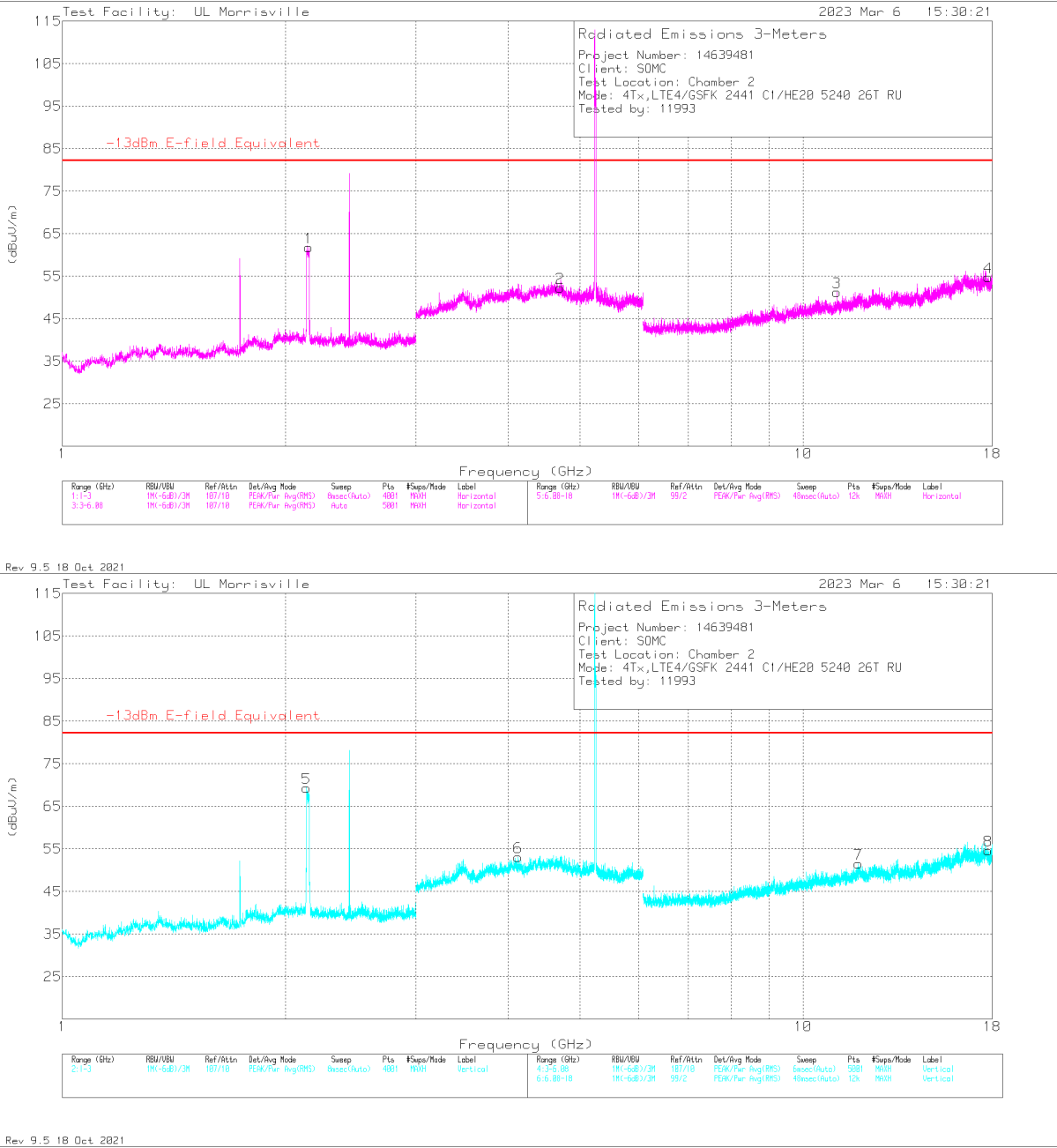
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

DL – Downlink from Callbox

10.3.2. Scan 2



Test Facility: UL Morrisville

2023 Mar 6 15:30:21

Radiated Emissions 3-Meters

Project Number: 14639481

Client: SPMC

Test Location: Chamber 2

Mode: 4Tx,LTE4/GSKF 2441 C1/HE20 5240 26T RU

Tested by: 11993

Rev 9.5 18 Oct 2021

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Gain/Loss (dB)	Filter (dB)	Corrected Reading (dBuV/m)	-13dBm E-field Equivalent (dBuV)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	** 2.151 (DL)	52.45	Pk	31.5	-23.2	1.1	61.85	-	-	0-360	199	H
5	** 2.1375 (DL)	59.84	Pk	31.5	-23.2	1.2	69.34	-	-	0-360	101	V
3	*** 11.11421	37.96	Pk	37.8	-24.5	0	51.26	82.2	-30.94	0-360	101	H
7	*** 11.88603	36.56	Pk	38.5	-23.5	0	51.56	82.2	-30.64	0-360	101	V
8	*** 17.77848	35.18	Pk	41.2	-21.7	0	54.68	82.2	-27.52	0-360	200	V
4	*** 17.79736	36.03	Pk	41.2	-22.5	0	54.73	82.2	-27.47	0-360	200	H
6	*** 4.12666	40.41	Pk	33.3	-20.6	0	53.11	82.2	-29.09	0-360	101	V
2	*** 4.69831	38.98	Pk	34.1	-20.7	0	52.38	82.2	-29.82	0-360	101	H

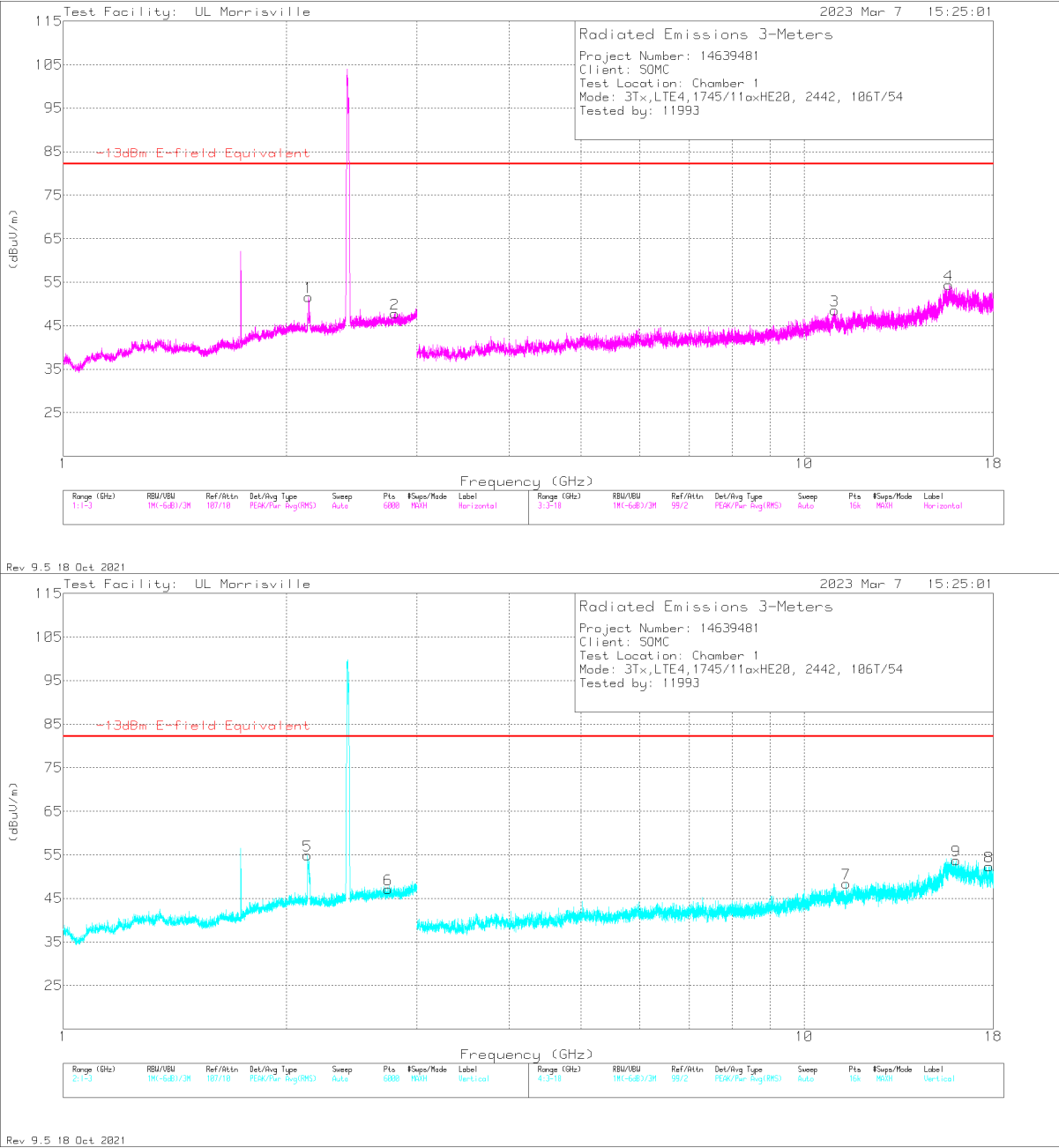
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

DL – Downlink from Callbox

10.3.3. Scan 3



Test Facility: UL Morrisville

2023 Mar 7 15:25:01

Radiated Emissions 3-Meters

Project Number: 14639481

Client: SOMC

Test Location: Chamber 1

Mode: 3Tx, LTE4, 1745/11axHE20, 2442, 106T/54

Tested by: 11993

Rev 9.5 18 Oct 2021

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Gain/Loss (dB)	Filter (dB)	Corrected Reading (dBuV/m)	-13dBm E-field Equivalent (dBuV)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	** 2.14486 (DL)	43.13	Pk	31.4	-24.1	1.2	51.63	-	-	0-360	200	H
2	* ** 2.79963	37.95	Pk	32.6	-23.2	.4	47.75	82.2	-34.45	0-360	99	H
5	** 2.13619 (DL)	46.18	Pk	31.4	-23.9	1.2	54.88	-	-	0-360	200	V
6	* ** 2.74496	37.73	Pk	32.5	-23.5	.4	47.13	82.2	-35.07	0-360	200	V
3	* ** 11.00156	36.07	Pk	37.9	-25.4	0	48.57	82.2	-33.63	0-360	101	H
7	* ** 11.4075	36.22	Pk	38.1	-25.9	0	48.42	82.2	-33.78	0-360	200	V
4	* ** 15.675	36.58	Pk	40.2	-22.4	0	54.38	82.2	-27.82	0-360	101	H
9	* ** 16.035	35.68	Pk	40.8	-22.8	0	53.68	82.2	-28.52	0-360	101	V
8	* ** 17.76844	35.23	Pk	41.2	-24.1	0	52.33	82.2	-29.87	0-360	101	V

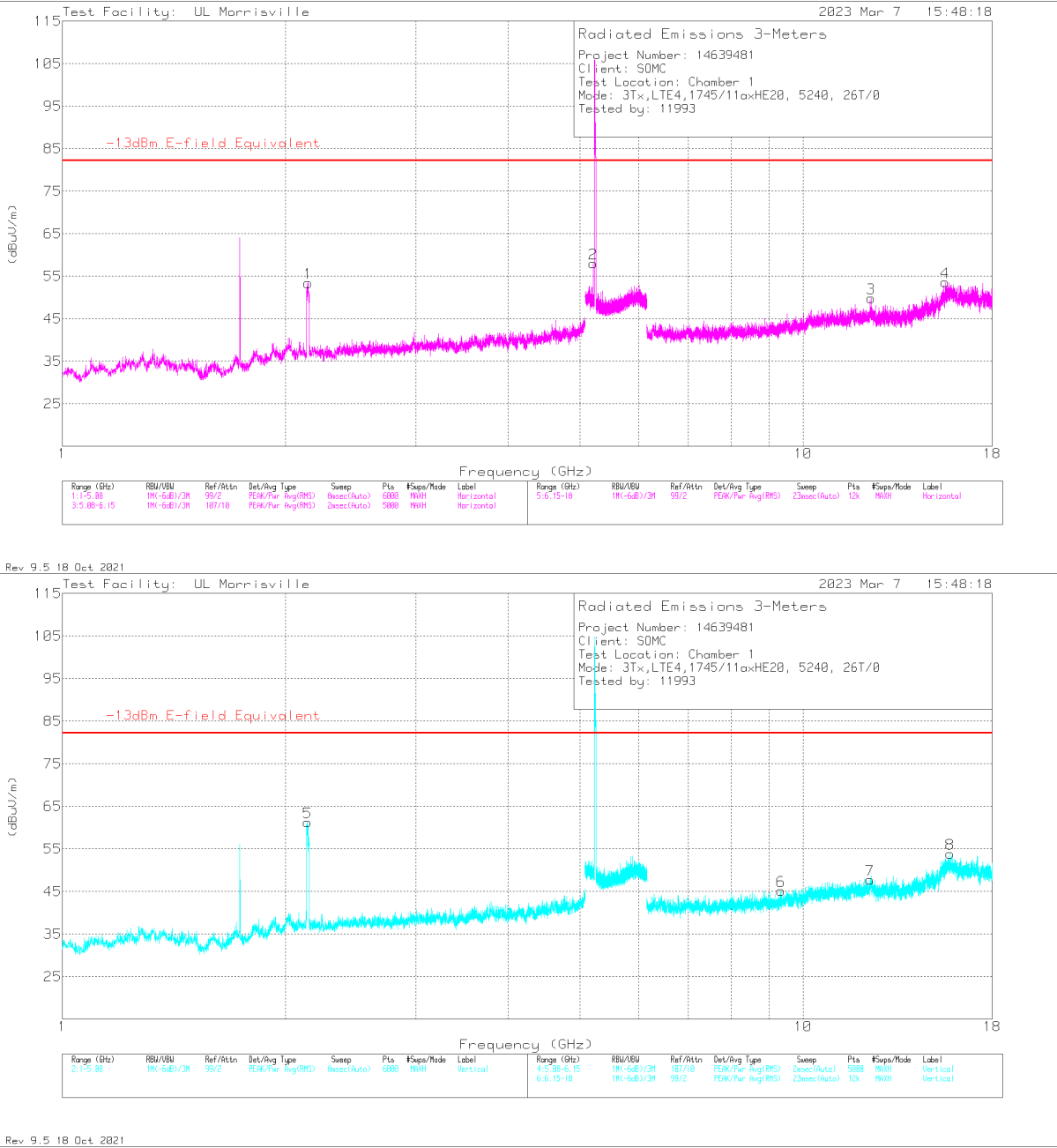
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

DL – Downlink from Callbox

10.3.4. Scan 4



Test Facility: UL Morrisville

2023 Mar 7 15:48:18

Radiated Emissions 3-Meters

Project Number: 14639481

Client: SPMC

Test Location: Chamber 1

Mode: 3Tx, LTE4, 1745/11axHE20, 5240, 26T/0

Tested by: 11993

Rev 9.5 18 Oct 2021

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Gain/Loss (dB)	Filter (dB)	Corrected Reading (dBuV/m)	-13dBm E-field Equivalent (dBuV)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	** 2.14735 (DL)	55.63	Pk	31.5	-34.8	1.1	53.43	-	-	0-360	199	H
5	** 2.14463 (DL)	63.53	Pk	31.4	-34.9	1.2	61.23	-	-	0-360	200	V
7	* ** 12.32385	34.12	Pk	38.9	-25.3	0	47.72	82.2	-34.48	0-360	200	V
3	* ** 12.35051	35.8	Pk	38.9	-24.8	0	49.9	82.2	-32.3	0-360	101	H
4	* ** 15.55001	36.31	Pk	40.1	-22.8	0	53.61	82.2	-28.59	0-360	101	H
8	* ** 15.8038	36.79	Pk	40.4	-23.3	0	53.89	82.2	-28.31	0-360	200	V
6	* ** 9.33864	37.98	Pk	36.5	-29.3	0	45.18	82.2	-37.02	0-360	101	V
2	** 5.20821	45.78	Pk	34.3	-22	0	58.08	82.2	-24.12	0-360	101	H

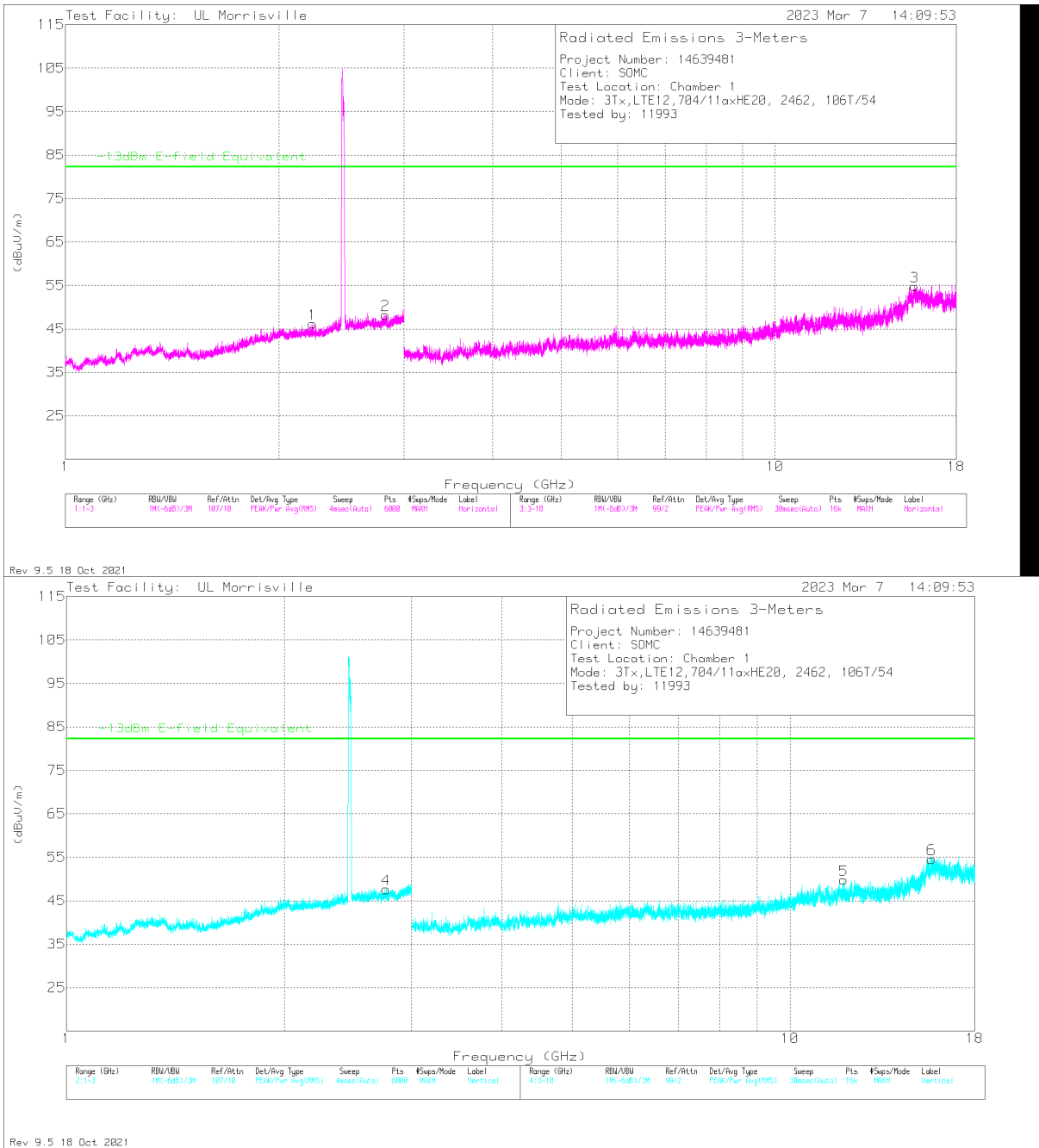
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

DL – Downlink from Callbox

10.3.5. Scan 5



Test Facility: UL Morrisville

2023 Mar 7 14:09:53

Radiated Emissions 3-Meters

Project Number: 14639481

Client: SOMC

Test Location: Chamber 1

Mode: 3Tx, LTE12, 704/11axHE20, 2462, 106T/54

Tested by: 11993

Rev 9.5 18 Oct 2021

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Gain/Loss (dB)	Filter (dB)	Corrected Reading (dBuV/m)	-13dBm E-field Equivalent (dBuV)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.22987	38.06	Pk	31.6	-24.2	.7	46.16	82.2	-36.04	0-360	101	H
2	* ** 2.82464	38.21	Pk	32.6	-23.2	.6	48.21	82.2	-33.99	0-360	199	H
4	* ** 2.76629	37.93	Pk	32.5	-23.4	.6	47.63	82.2	-34.57	0-360	200	V
3	* ** 15.71813	35.56	Pk	40.3	-22.2	1.1	54.76	82.2	-27.44	0-360	200	H
5	* ** 11.87156	36.89	Pk	38.6	-26.5	.8	49.79	82.2	-32.41	0-360	200	V
6	* ** 15.69375	35.67	Pk	40.3	-22.5	1.1	54.57	82.2	-27.63	0-360	101	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

11. SETUP PHOTOS

Please see R14639841-EP3 for Setup Photos

END OF REPORT