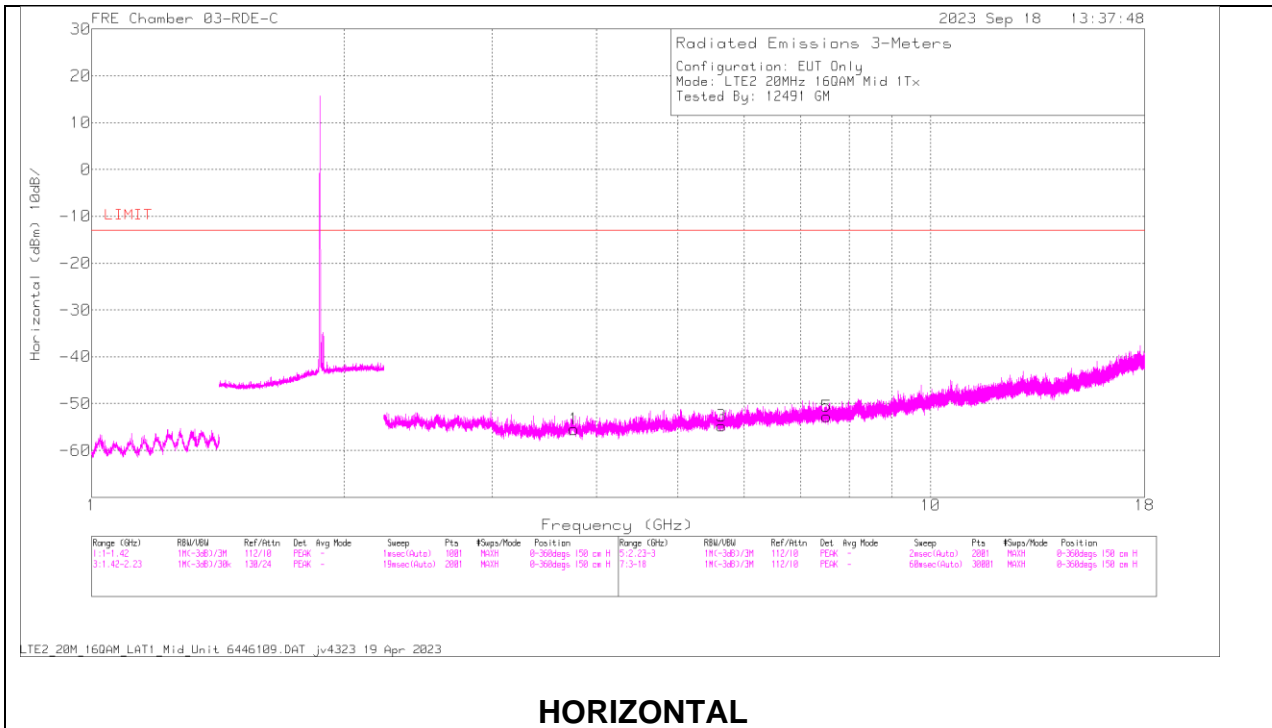
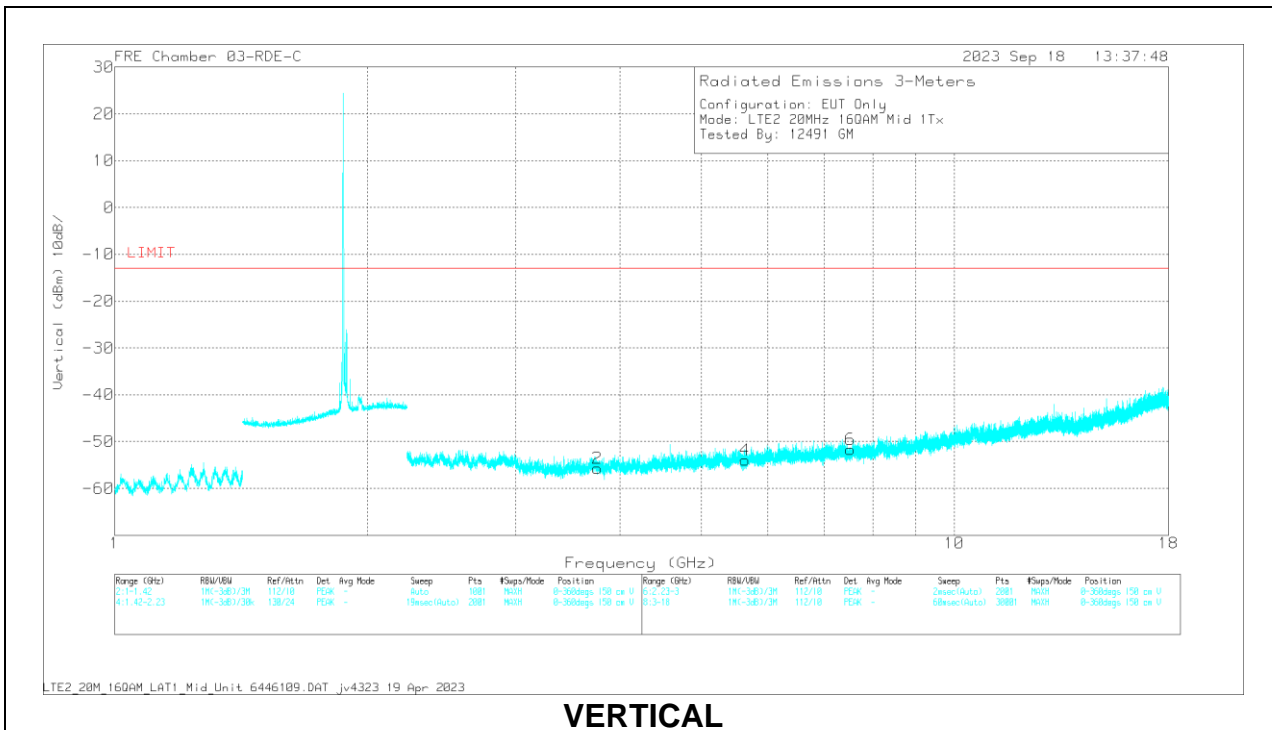


### MID CHANNEL RESULTS

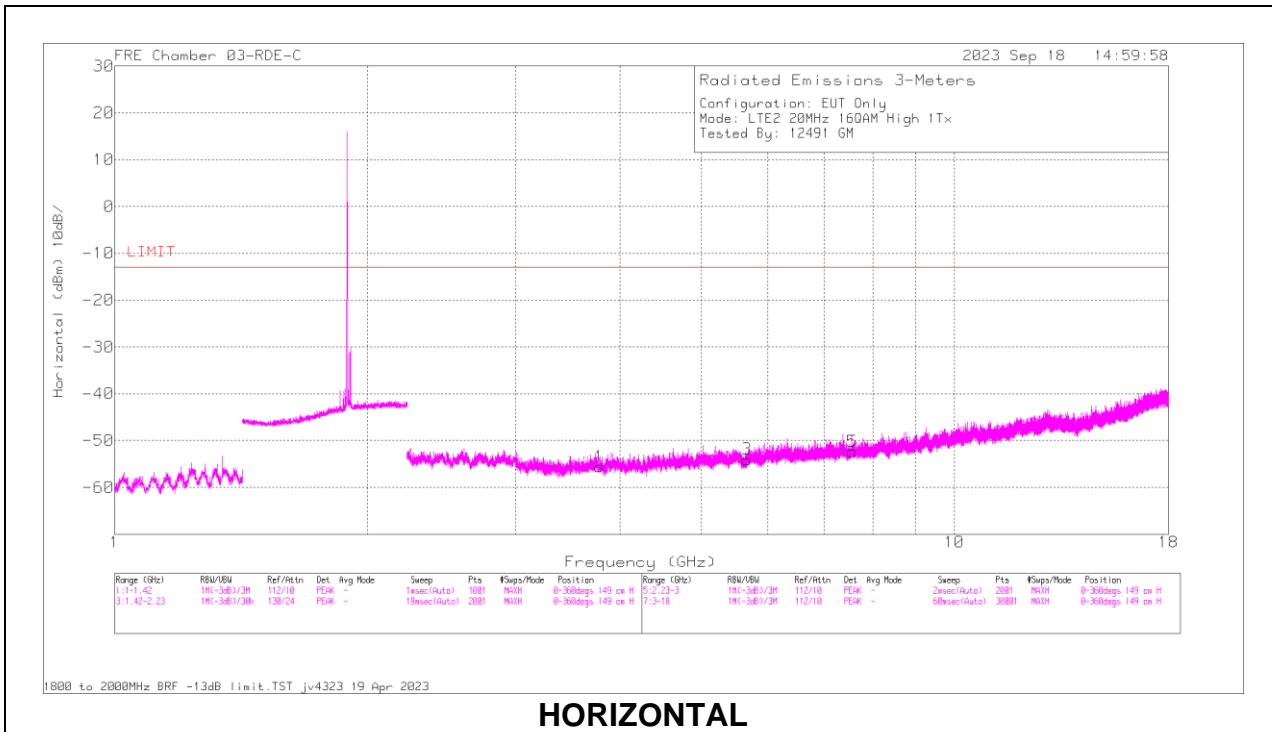


**HORIZONTAL**

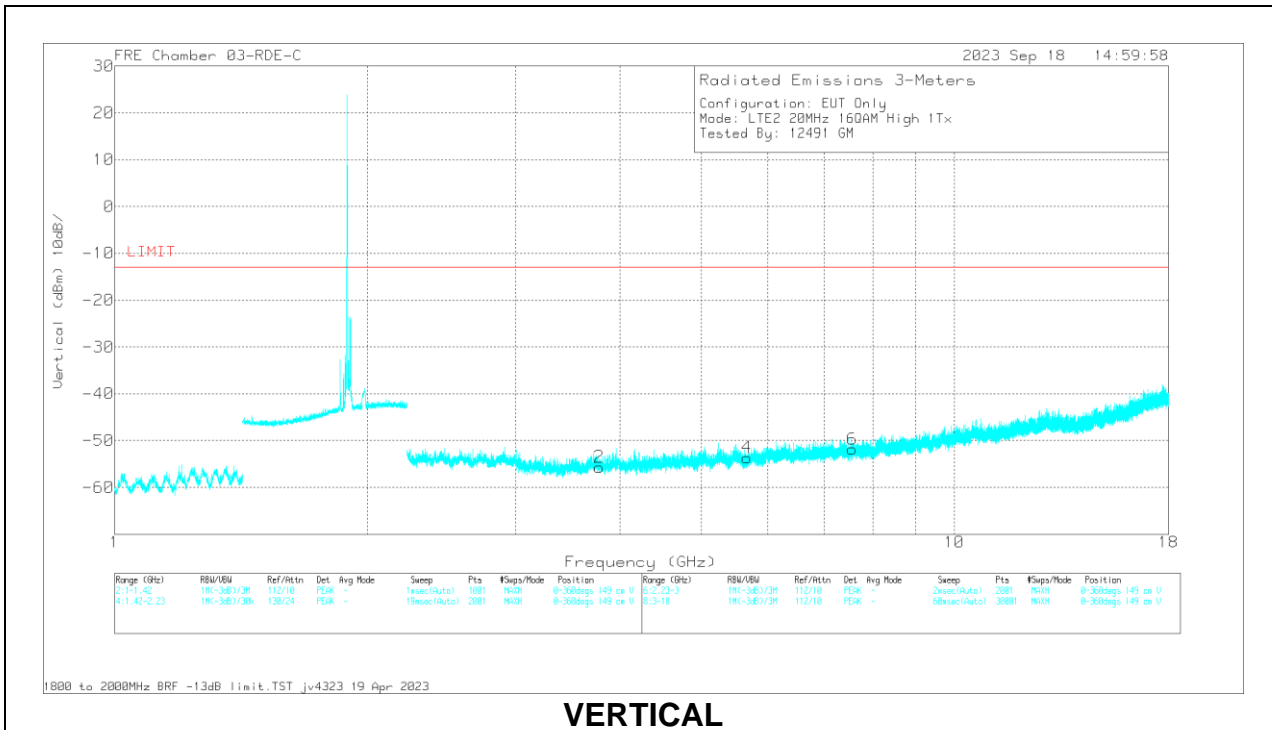


**VERTICAL**

### HIGH CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
LOW CH 1860 MHz												
1	* 3.742507	57.04	Pk	33.6	-95.2	-47.15	-51.71	-13	-38.71	78	136	H
4	* 3.742334	51.45	Pk	33.6	-95.2	-47.17	-57.32	-13	-44.32	105	139	V
2	5.572697	58.44	Pk	34.4	-95.2	-48.33	-50.69	-13	-37.69	91	134	H
5	5.557010	58.19	Pk	34.4	-95.2	-48.40	-51.01	-13	-38.01	109	132	V
3	* 7.469282	50.8	Pk	35.9	-95.2	-48.00	-56.50	-13	-43.50	115	128	H
6	* 7.471817	57.94	Pk	35.9	-95.2	-48.00	-49.36	-13	-36.36	117	137	V
MID CH 1880 MHz												
1	* 3.761454	55.96	Pk	33.3	-95.2	-45.80	-51.74	-13	-38.74	12	126	H
2	* 3.760745	56.6	Pk	33.3	-95.2	-45.83	-51.13	-13	-38.13	62	214	V
3	5.641436	56.12	Pk	34.6	-95.2	-46.60	-51.08	-13	-38.08	279	104	H
4	5.639980	55.91	Pk	34.6	-95.2	-46.60	-51.29	-13	-38.29	200	323	V
5	* 7.521173	56.06	Pk	35.8	-95.2	-45.78	-49.12	-13	-36.12	304	202	H
6	* 7.521134	55.97	Pk	35.8	-95.2	-45.79	-49.22	-13	-36.22	261	231	V
HIGH CH 1900 MHz												
1	* 3.779887	56.17	Pk	33.3	-95.2	-45.69	-51.42	-13	-38.42	272	361	H
2	* 3.781409	55.33	Pk	33.3	-95.2	-45.70	-52.27	-13	-39.27	114	126	V
3	5.673551	56.3	Pk	34.6	-95.2	-46.36	-50.66	-13	-37.66	6	358	H
4	5.670080	56.8	Pk	34.6	-95.2	-46.40	-50.20	-13	-37.20	253	316	V
5	* 7.562642	55.5	Pk	35.8	-95.2	-45.60	-49.50	-13	-36.50	6	148	H
6	* 7.558952	56.17	Pk	35.8	-95.2	-45.60	-48.83	-13	-35.83	211	159	V

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

Pk - Peak detector

## 10.2.7. LTE BAND 12

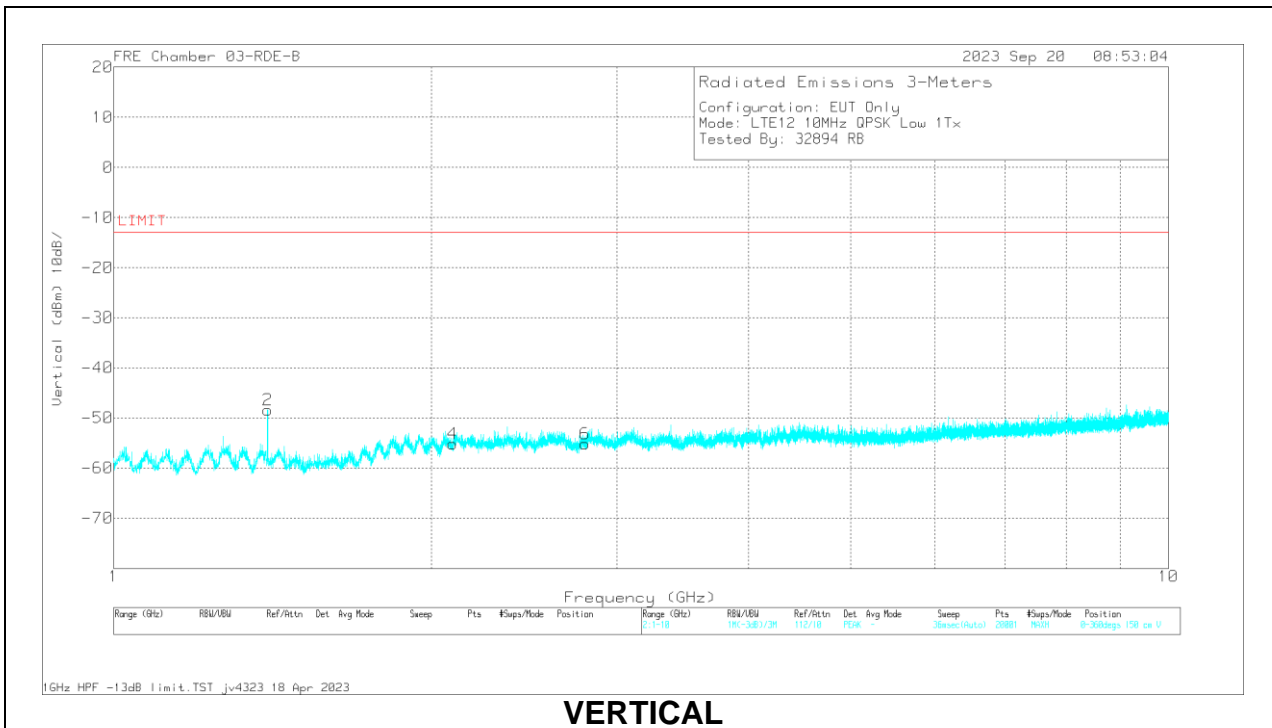
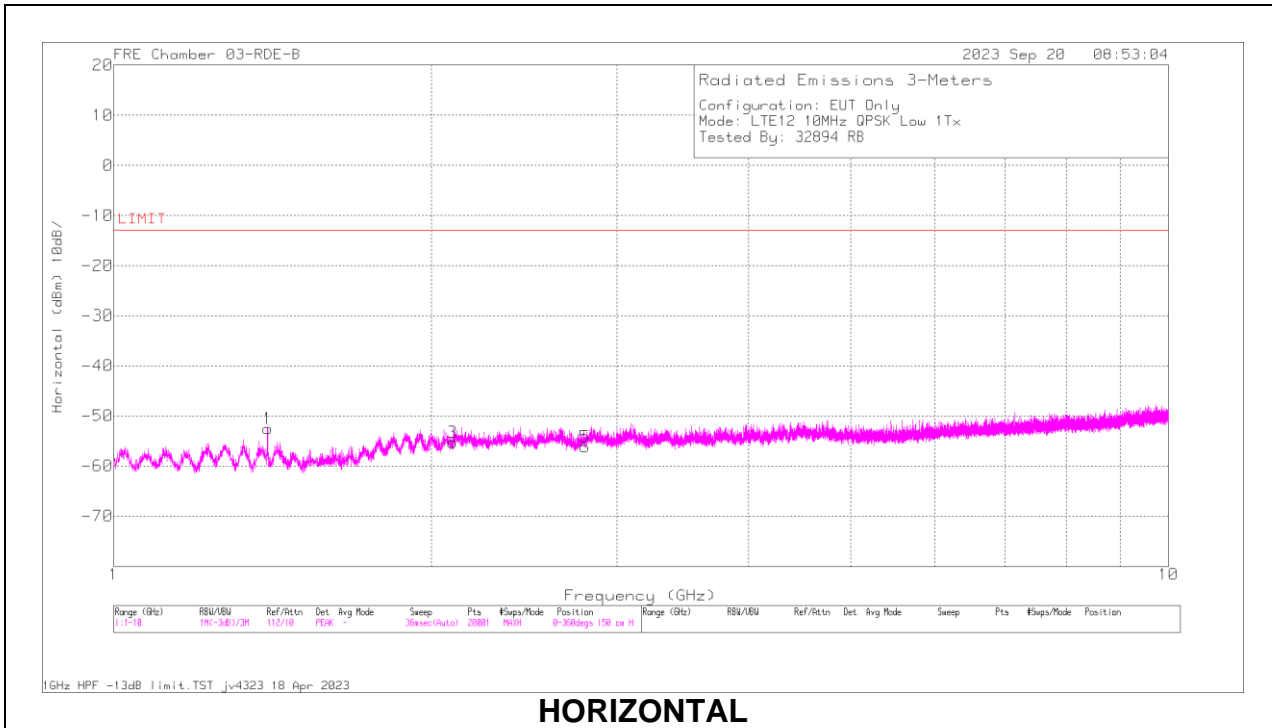
### LIMITS

FCC: §27.53 (g)

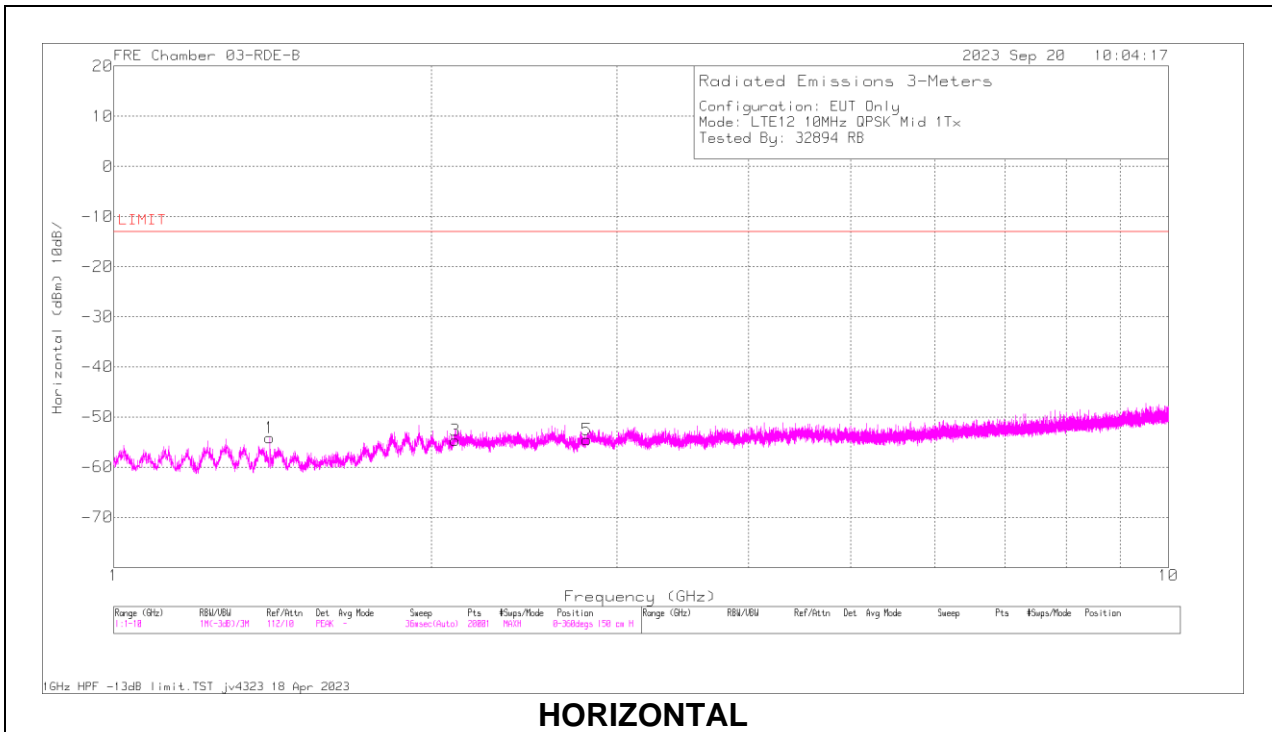
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least  $43 + 10 \log (P)$  dB.

**QPSK LTE BAND 12 (10.0MHZ BANDWIDTH)**

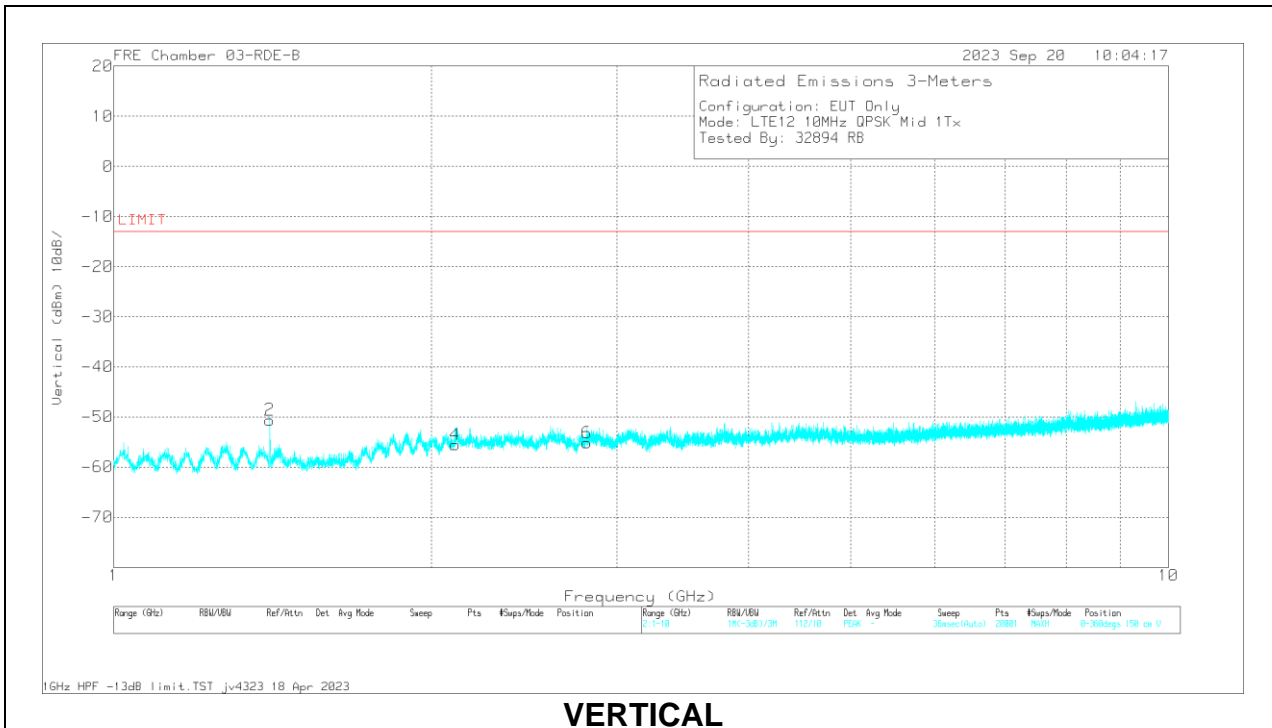
**LOW CHANNEL RESULTS**



### MID CHANNEL RESULTS

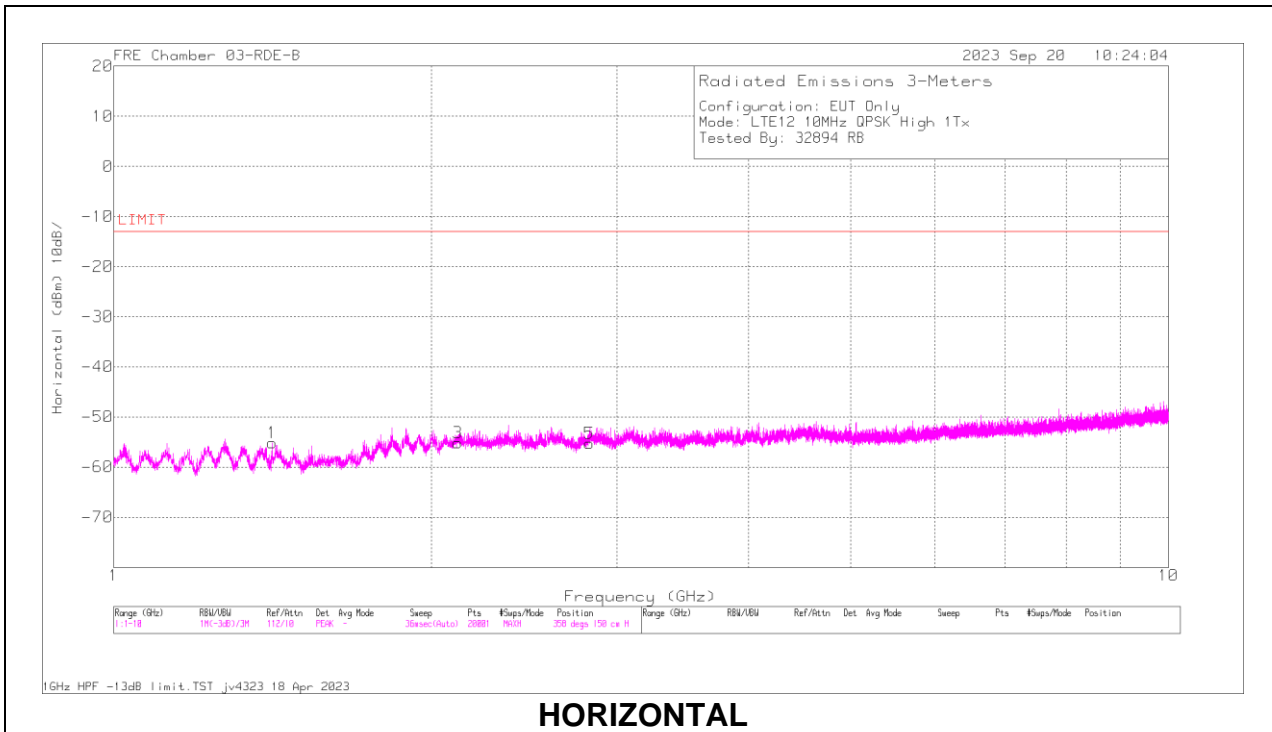


**HORIZONTAL**

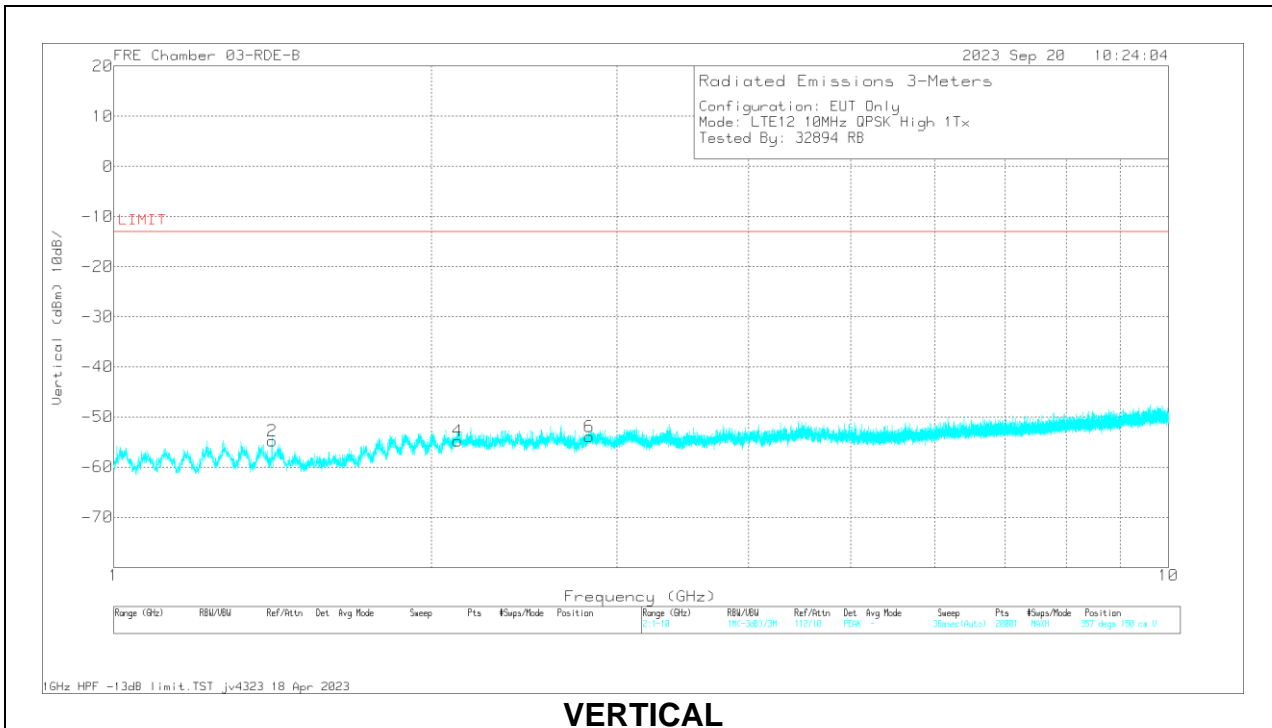


**VERTICAL**

### HIGH CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBUV)	Det	230300 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
LOW CH 704 MHz												
1	* 1.399285	74.09	Pk	28.7	-95.2	-49.63	-42.04	-13	-29.04	300	382	H
2	* 1.399222	76.83	Pk	28.7	-95.2	-49.62	-39.29	-13	-26.29	313	317	V
3	2.098464	61.64	Pk	31.6	-95.2	-49.90	-51.86	-13	-38.86	309	250	H
4	2.096927	61.44	Pk	31.6	-95.2	-49.90	-52.06	-13	-39.06	29	226	V
5	* 2.795876	60.13	Pk	32.5	-95.2	-49.30	-51.87	-13	-38.87	264	177	H
6	* 2.795885	60.04	Pk	32.5	-95.2	-49.30	-51.96	-13	-38.96	127	112	V
MID CH 707.5 MHz												
1	* 1.406120	74.29	Pk	28.7	-95.2	-49.60	-41.81	-13	-28.81	281	395	H
2	* 1.406219	72.75	Pk	28.7	-95.2	-49.60	-43.35	-13	-30.35	308	397	V
3	2.109217	65.26	Pk	31.6	-95.2	-49.90	-48.24	-13	-35.24	287	190	H
4	2.109201	64.25	Pk	31.6	-95.2	-49.90	-49.25	-13	-36.25	116	287	V
5	* 2.811134	59.96	Pk	32.5	-95.2	-49.29	-52.03	-13	-39.03	127	176	H
6	* 2.811085	60.04	Pk	32.5	-95.2	-49.29	-51.95	-13	-38.95	146	231	V
HIGH CH 711 MHz												
1	* 1.413235	70.09	Pk	28.6	-95.2	-49.60	-46.11	-13	-33.11	307	394	H
2	* 1.413117	71.07	Pk	28.6	-95.2	-49.60	-45.13	-13	-32.13	309	344	V
3	2.117069	62.16	Pk	31.7	-95.2	-49.90	-51.24	-13	-38.24	163	285	H
4	2.117246	61.94	Pk	31.7	-95.2	-49.90	-51.46	-13	-38.46	190	127	V
5	* 2.824234	60.32	Pk	32.5	-95.2	-49.12	-51.50	-13	-38.50	247	171	H
6	* 2.825812	60.04	Pk	32.5	-95.2	-49.20	-51.86	-13	-38.86	254	200	V

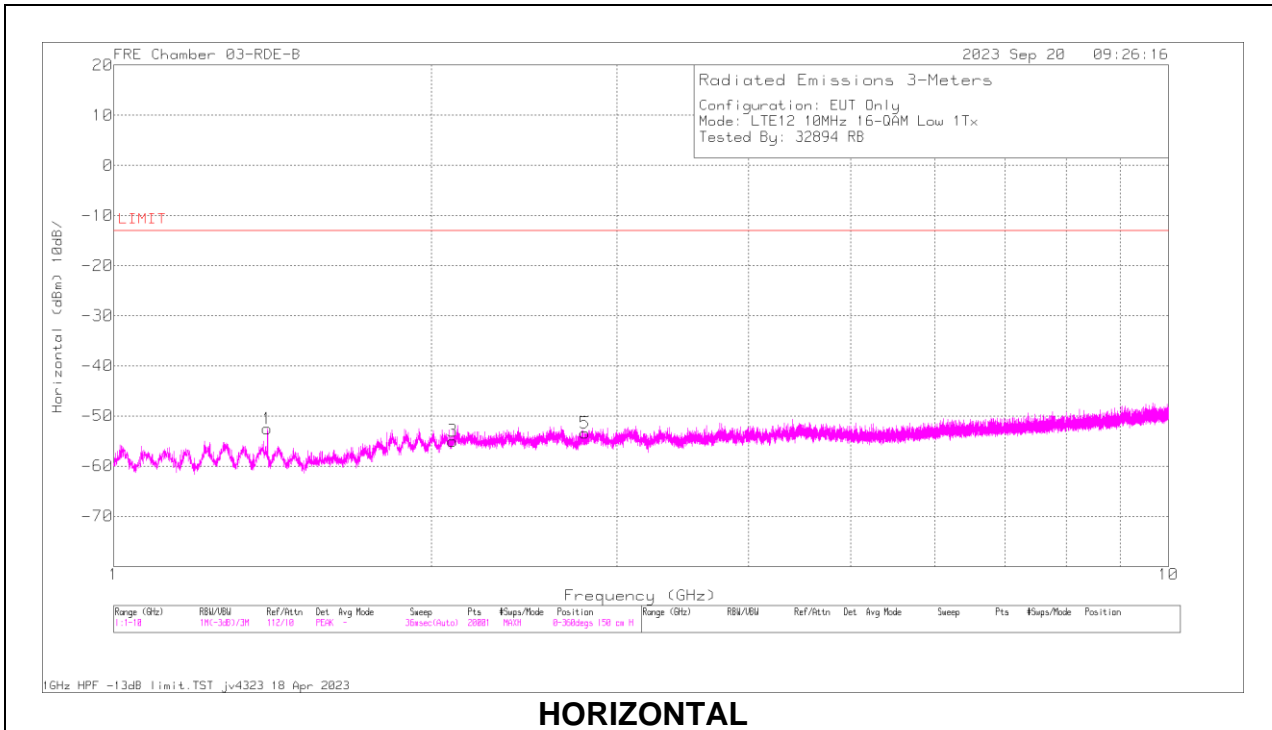
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

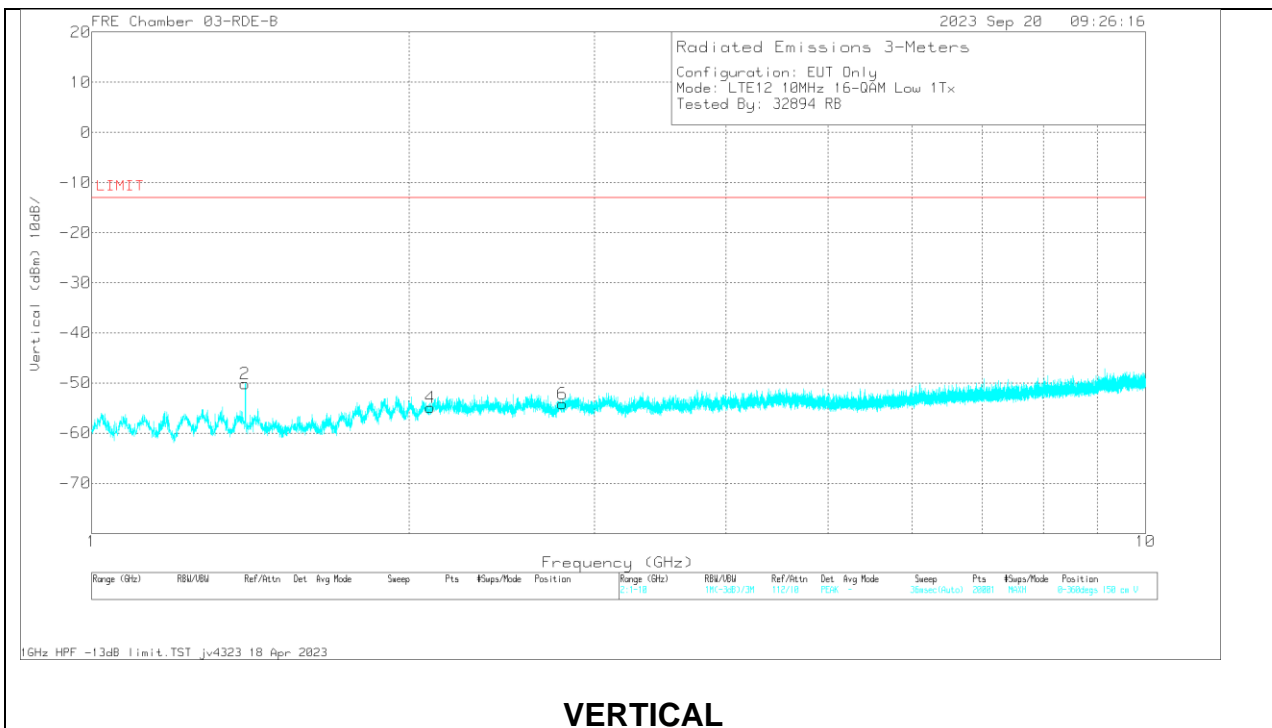


**16QAM LTE BAND 12 (10.0MHZ BANDWIDTH)**

**LOW CHANNEL RESULTS**

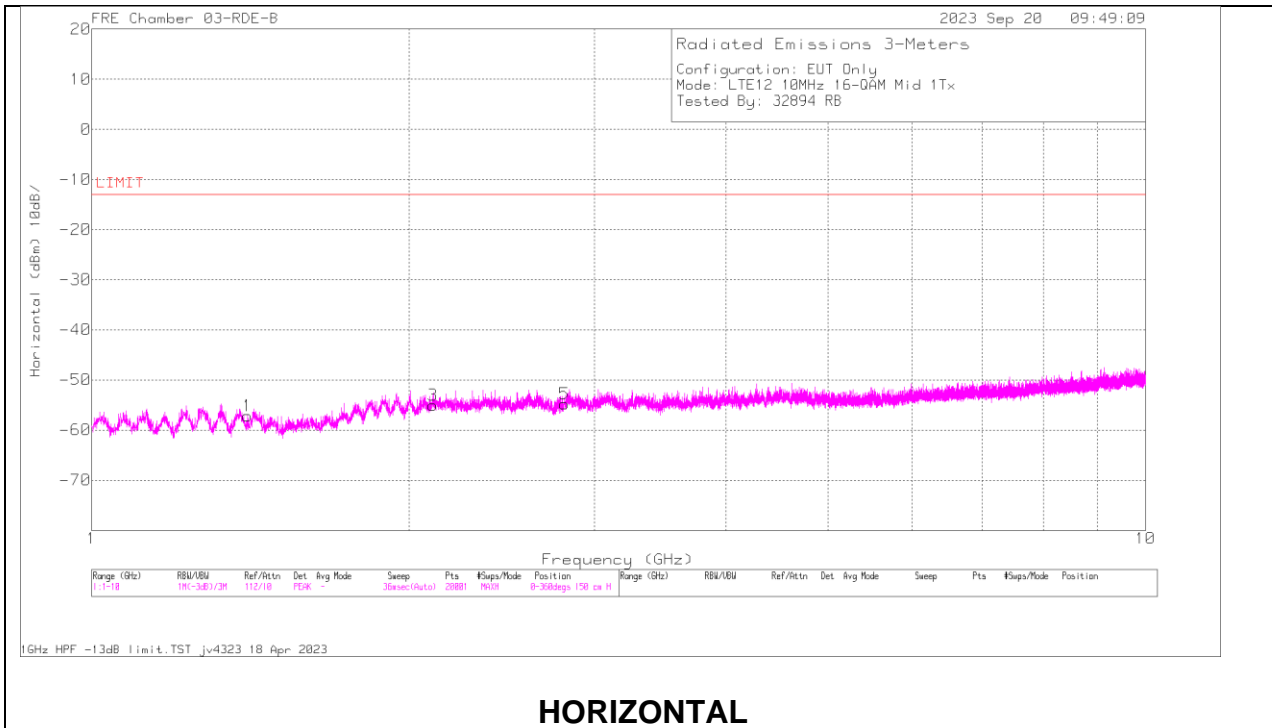


**HORIZONTAL**

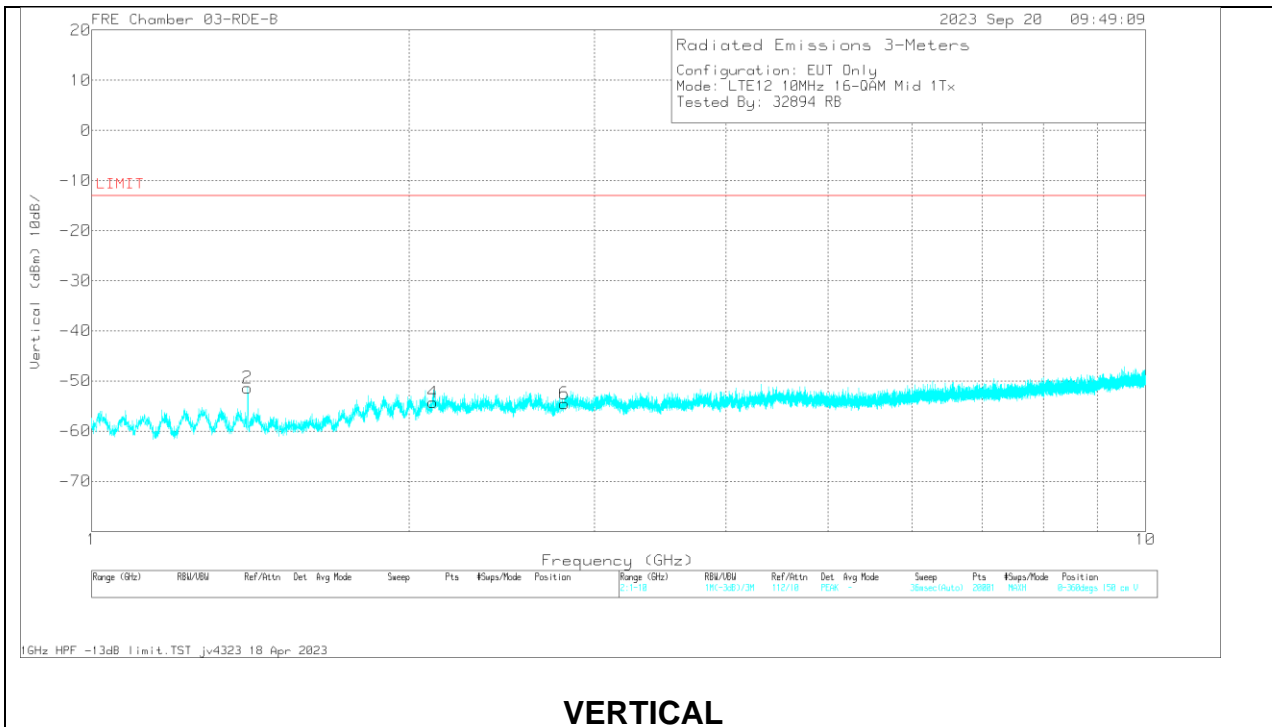


**VERTICAL**

### MID CHANNEL RESULTS

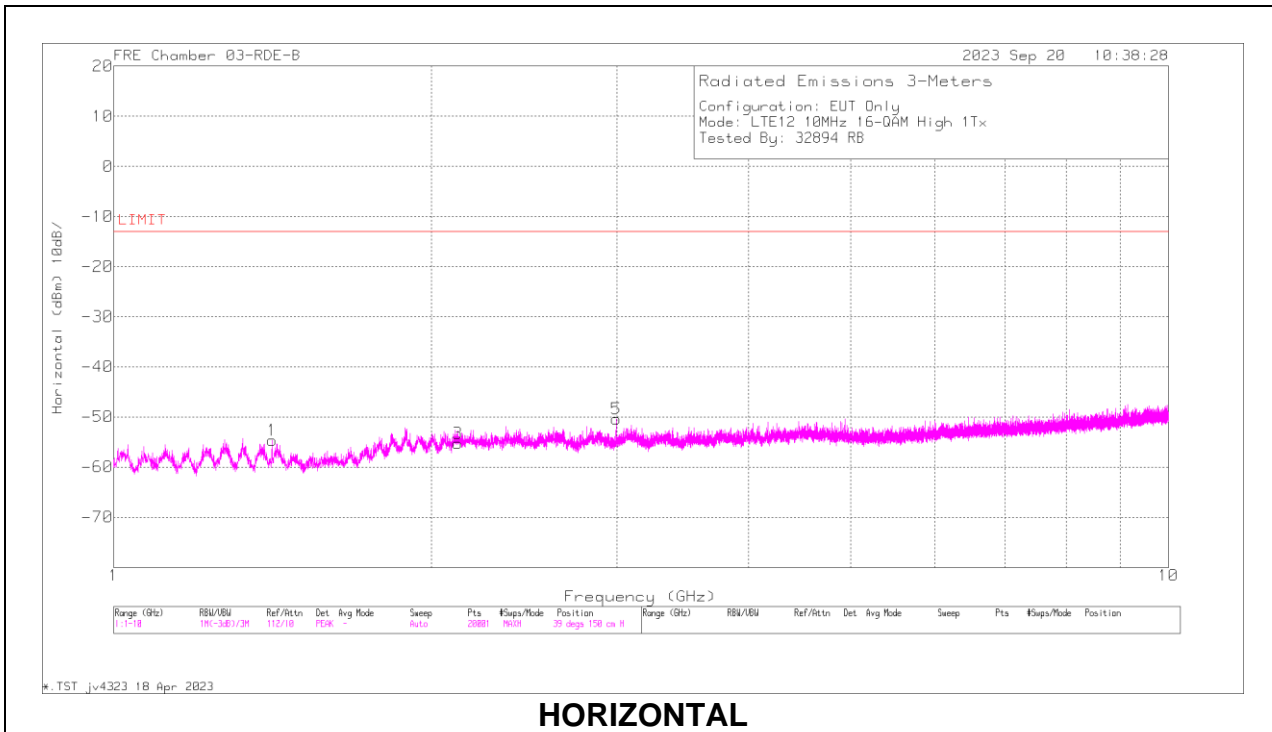


### HORIZONTAL

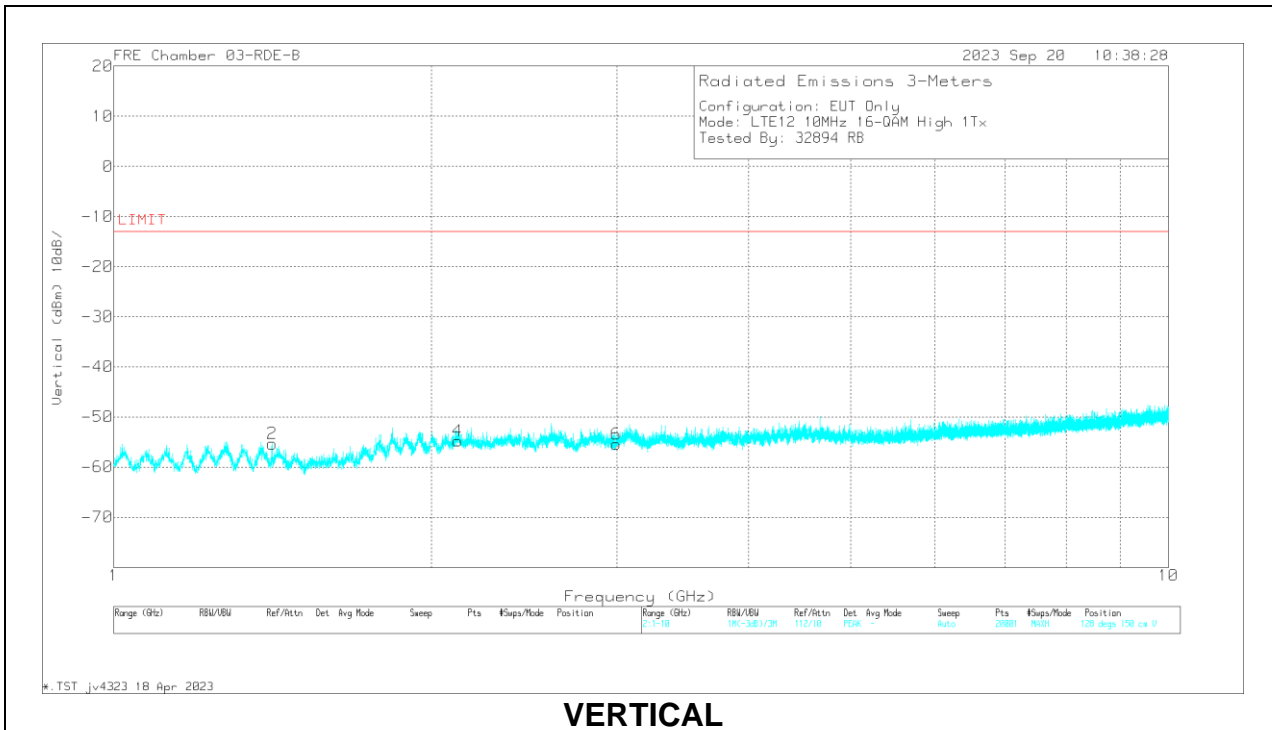


### VERTICAL

### HIGH CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
LOW CH 704 MHz												
1	* 1.399117	72.99	Pk	28.7	-95.2	-49.61	-43.12	-13	-30.12	305	397	H
2	* 1.399264	75.81	Pk	28.7	-95.2	-49.63	-40.32	-13	-27.32	301	388	V
3	2.096113	61.85	Pk	31.6	-95.2	-49.90	-51.65	-13	-38.65	262	248	H
4	2.096010	61.04	Pk	31.6	-95.2	-49.90	-52.46	-13	-39.46	314	122	V
5	* 2.794931	59.78	Pk	32.5	-95.2	-49.31	-52.23	-13	-39.23	331	182	H
6	* 2.796054	60.17	Pk	32.5	-95.2	-49.3	-51.83	-13	-38.83	354	141	V
MID CH 707.5 MHz												
1	* 1.406268	73.46	Pk	28.7	-95.2	-49.60	-42.64	-13	-29.64	283	398	H
2	* 1.406210	75.57	Pk	28.7	-95.2	-49.60	-40.53	-13	-27.53	310	382	V
3	2.109151	63.88	Pk	31.6	-95.2	-49.90	-49.62	-13	-36.62	279	143	H
4	2.106895	61.28	Pk	31.6	-95.2	-49.90	-52.22	-13	-39.22	17	142	V
5	* 2.810192	59.65	Pk	32.5	-95.2	-49.30	-52.35	-13	-39.35	228	115	H
6	* 2.811699	60.52	Pk	32.5	-95.2	-49.23	-51.41	-13	-38.41	78	232	V
HIGH CH 711 MHz												
1	* 1.413105	68.79	Pk	28.6	-95.2	-49.60	-47.41	-13	-34.41	289	264	H
2	* 1.413136	70.29	Pk	28.6	-95.2	-49.60	-45.91	-13	-32.91	331	334	V
3	2.118099	61.44	Pk	31.7	-95.2	-49.89	-51.95	-13	-38.95	114	228	H
4	2.118017	61.8	Pk	31.7	-95.2	-49.90	-51.60	-13	-38.60	181	283	V
5	2.996012	58.63	Pk	32.9	-95.2	-48.70	-52.37	-13	-39.37	86	128	H
6	2.994958	58.53	Pk	32.9	-95.2	-48.70	-52.47	-13	-39.47	340	105	V

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

Pk - Peak detector

## 10.2.8. LTE BAND 13

### LIMITS

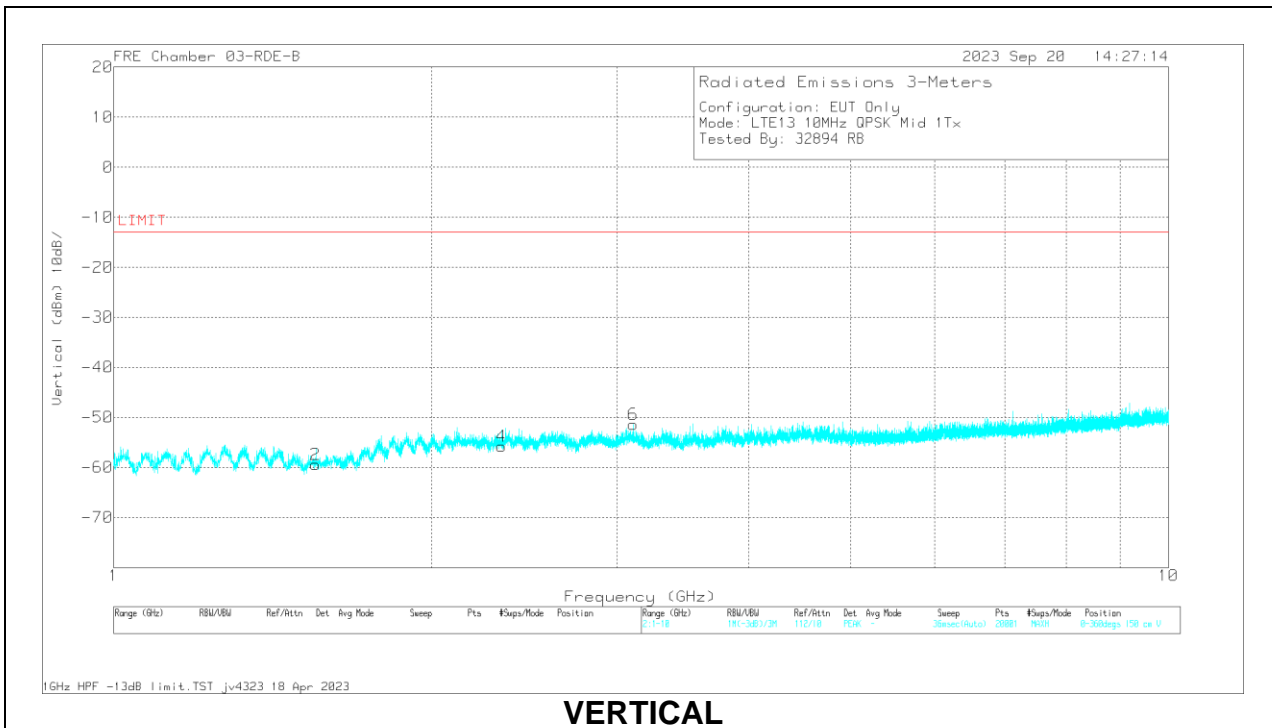
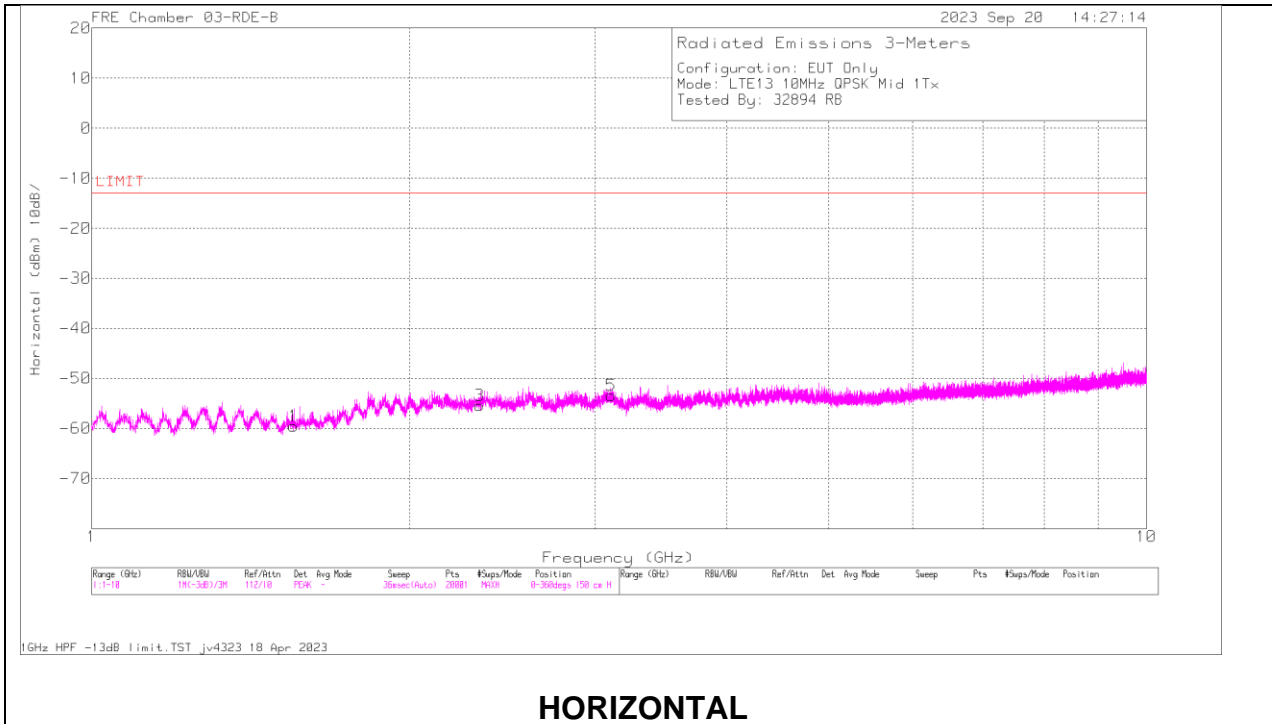
FCC: §27.53

(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.

**QPSK LTE BAND 13 (10.0MHZ BANDWIDTH)**

**MID CHANNEL RESULTS**



**Trace Markers**

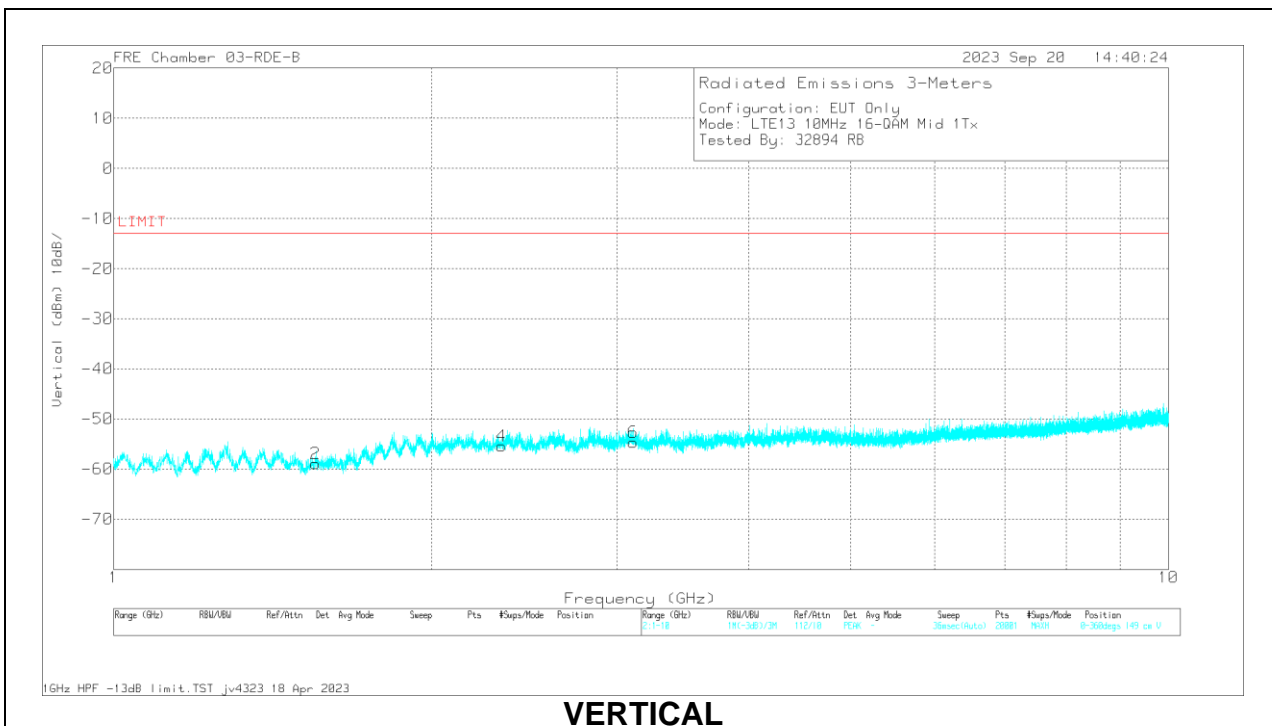
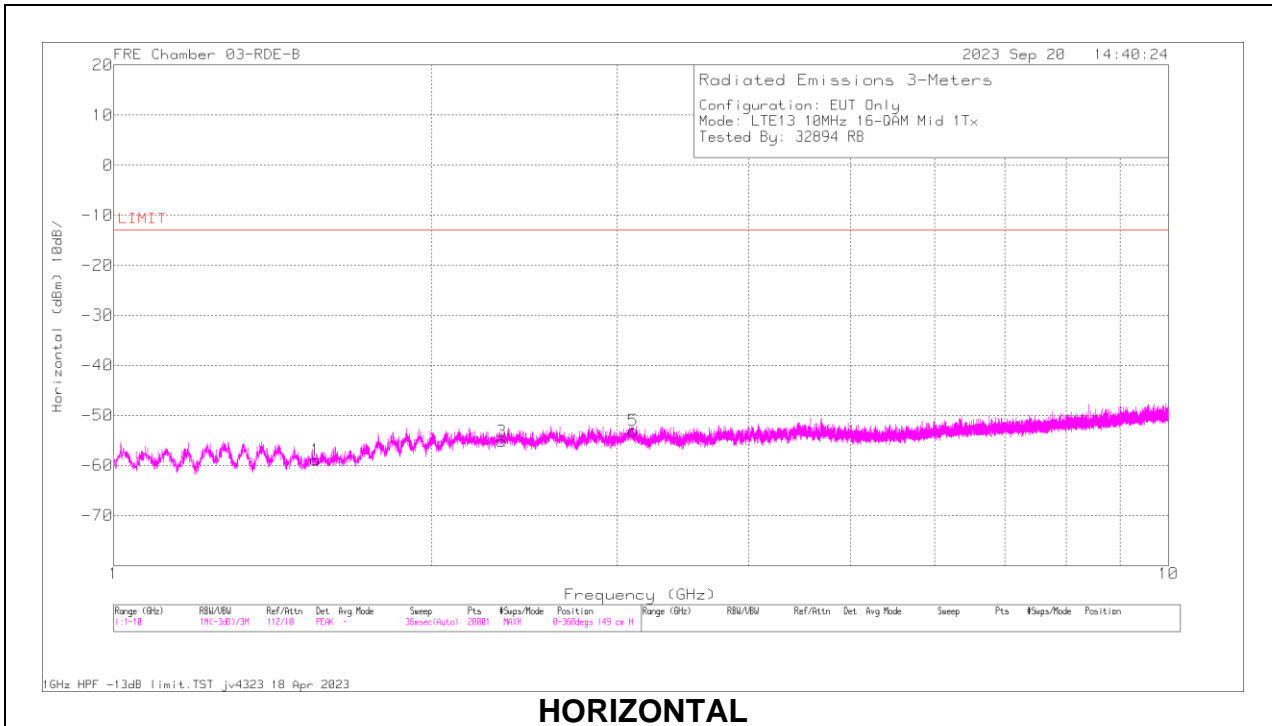
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
MID CH 782MHz												
1	* 1.554911	60.06	Pk	27.9	-95.2	-49.6	-56.84	-13	-43.84	166	277	H
2	* 1.555078	60.47	Pk	27.9	-95.2	-49.6	-56.43	-13	-43.43	29	117	V
3	* 2.332745	60.88	Pk	32.1	-95.2	-50.1	-52.32	-13	-39.32	12	193	H
4	* 2.329799	60.75	Pk	32.1	-95.2	-50.1	-52.45	-13	-39.45	180	217	V
5	3.106570	59.17	Pk	33.1	-95.2	-47.8	-50.73	-13	-37.73	199	104	H
6	3.107858	58.63	Pk	33.1	-95.2	-47.8	-51.27	-13	-38.27	150	158	V

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

Pk - Peak detector

**16QAM LTE BAND 13 (10.0MHZ BANDWIDTH)**

**MID CHANNEL RESULTS**





**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
MID CH 782MHz												
1	* 1.555225	69.33	Pk	27.9	-95.2	-49.6	-47.57	-13	-34.57	308	370	H
2	* 1.555460	70.62	Pk	27.9	-95.2	-49.6	-46.28	-13	-33.28	330	396	V
3	* 2.330209	60.98	Pk	32.1	-95.2	-50.1	-52.22	-13	-39.22	176	245	H
4	* 2.330577	61.51	Pk	32.1	-95.2	-50.1	-51.69	-13	-38.69	287	375	V
5	3.106886	58.61	Pk	33.1	-95.2	-47.8	-51.29	-13	-38.29	192	202	H
6	3.106277	58.69	Pk	33.1	-95.2	-47.8	-51.21	-13	-38.21	144	217	V

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

Pk - Peak detector

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## 10.2.9. LTE BAND 26 (FCC PART 90S)

### LIMITS

FCC: §90.691

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



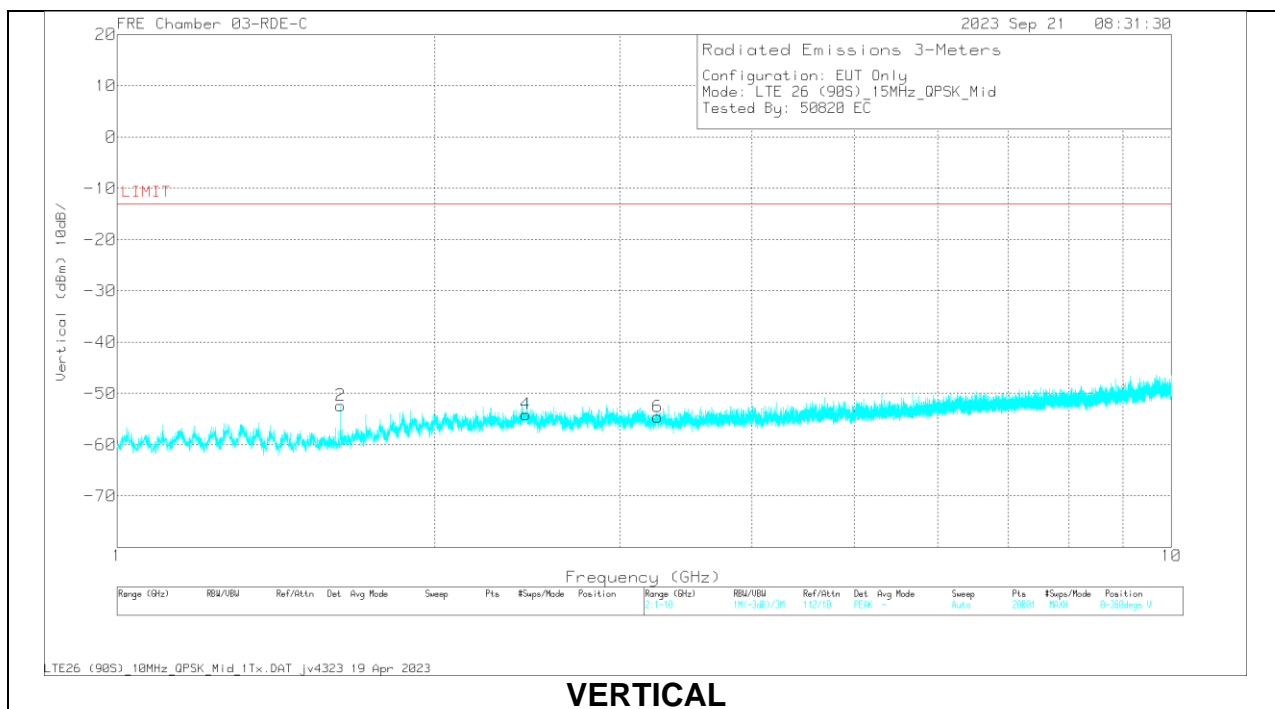
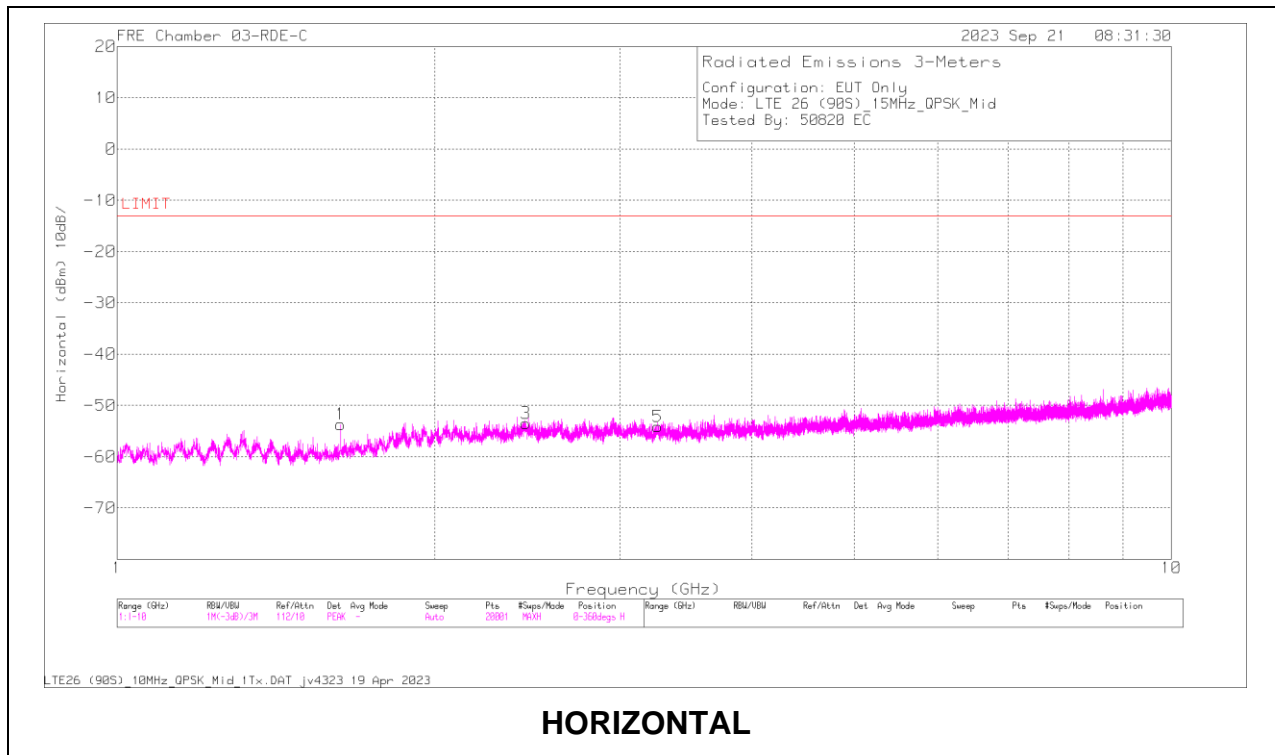
**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226672 ACF (dB) 3mH	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.629237	69.22	Pk	28.1	-95.2	-47.42	-45.3	-13	-32.3	188	310	H
2	1.629285	73.98	Pk	28.1	-95.2	-47.43	-40.55	-13	-27.55	206	216	V
3	2.44363	60.39	Pk	32.2	-95.2	-47.7	-50.31	-13	-37.31	173	217	H
4	2.443963	59.82	Pk	32.2	-95.2	-47.7	-50.88	-13	-37.88	241	295	V
6	3.254351	56.14	Pk	32.7	-95.2	-45.86	-52.22	-13	-39.22	188	397	V
5	3.25686	57.36	Pk	32.7	-95.2	-45.8	-50.94	-13	-37.94	217	337	H

Pk - Peak detector

**16QAM LTE BAND 26 (15.0MHZ BANDWIDTH)**

**MID CHANNEL RESULTS**



**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226672 ACF (dB) 3mH	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.629237	69.22	Pk	28.1	-95.2	-47.42	-45.3	-13	-32.3	188	310	H
2	1.629285	73.98	Pk	28.1	-95.2	-47.43	-40.55	-13	-27.55	206	216	V
3	2.44363	60.39	Pk	32.2	-95.2	-47.7	-50.31	-13	-37.31	173	217	H
4	2.443963	59.82	Pk	32.2	-95.2	-47.7	-50.88	-13	-37.88	241	295	V
6	3.254351	56.14	Pk	32.7	-95.2	-45.86	-52.22	-13	-39.22	188	397	V
5	3.25686	57.36	Pk	32.7	-95.2	-45.8	-50.94	-13	-37.94	217	337	H

Pk - Peak detector

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## 10.2.10. LTE BAND 26 (FCC PART 22)

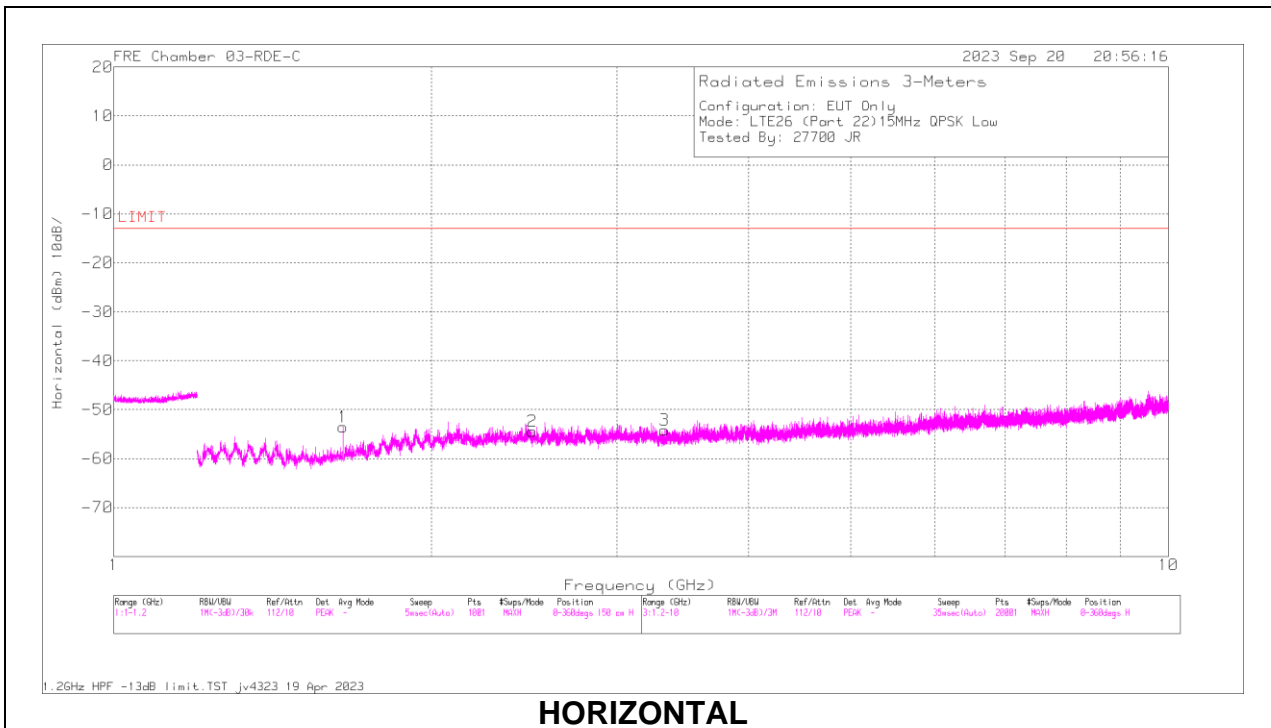
### LIMITS

FCC: §22.917(a)

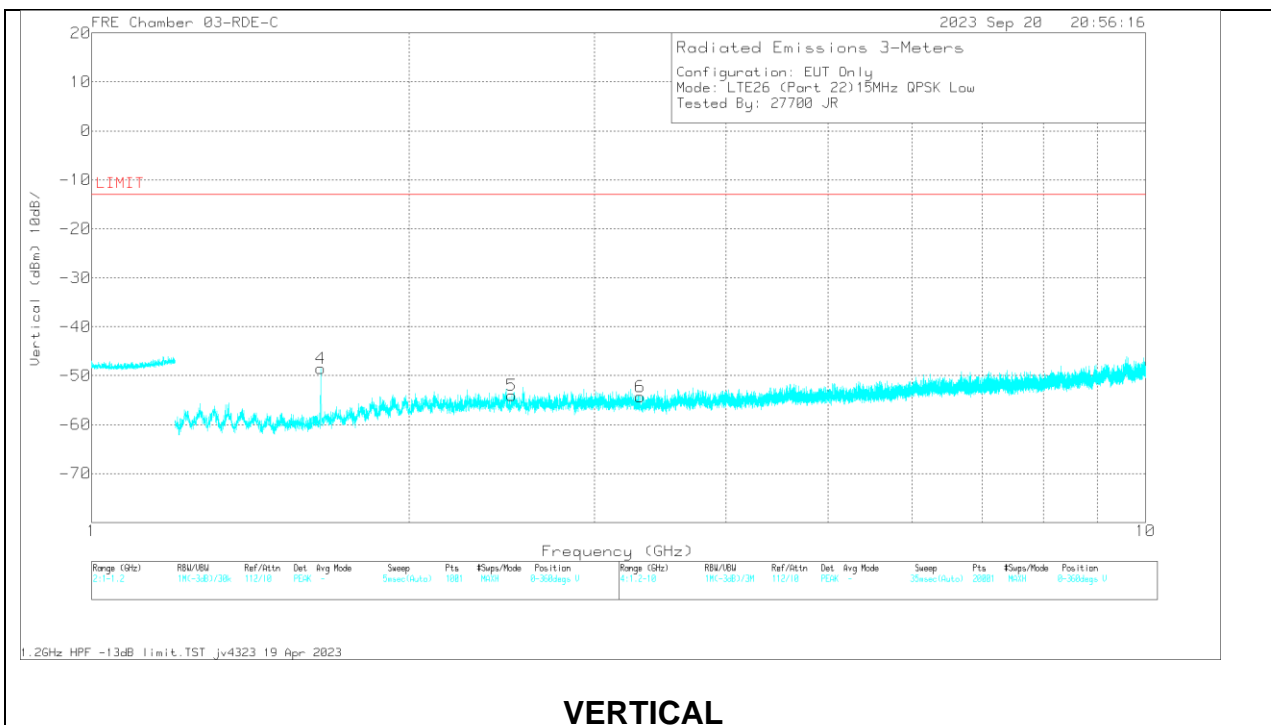
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least  $43 + 10 \log (P)$  dB.

**QPSK LTE BAND 26 (15.0MHZ BANDWIDTH)**

**LOW CHANNEL RESULTS**



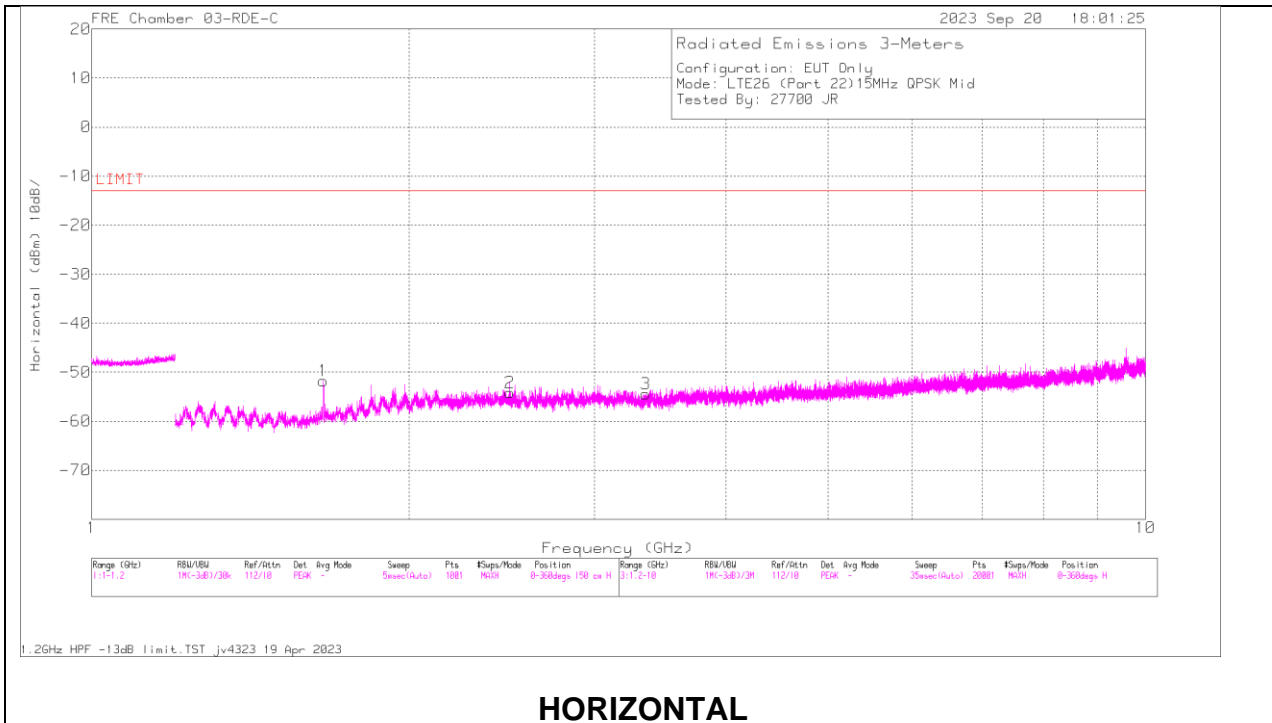
**HORIZONTAL**



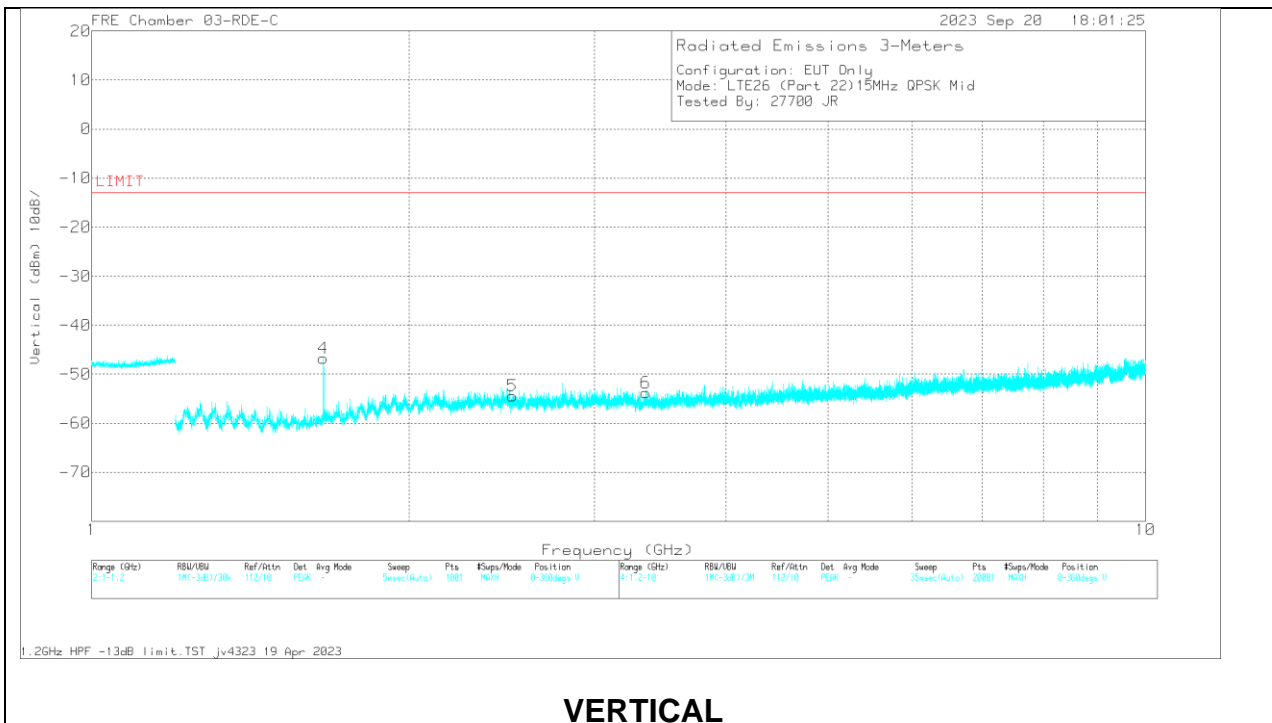
**VERTICAL**



### MID CHANNEL RESULTS

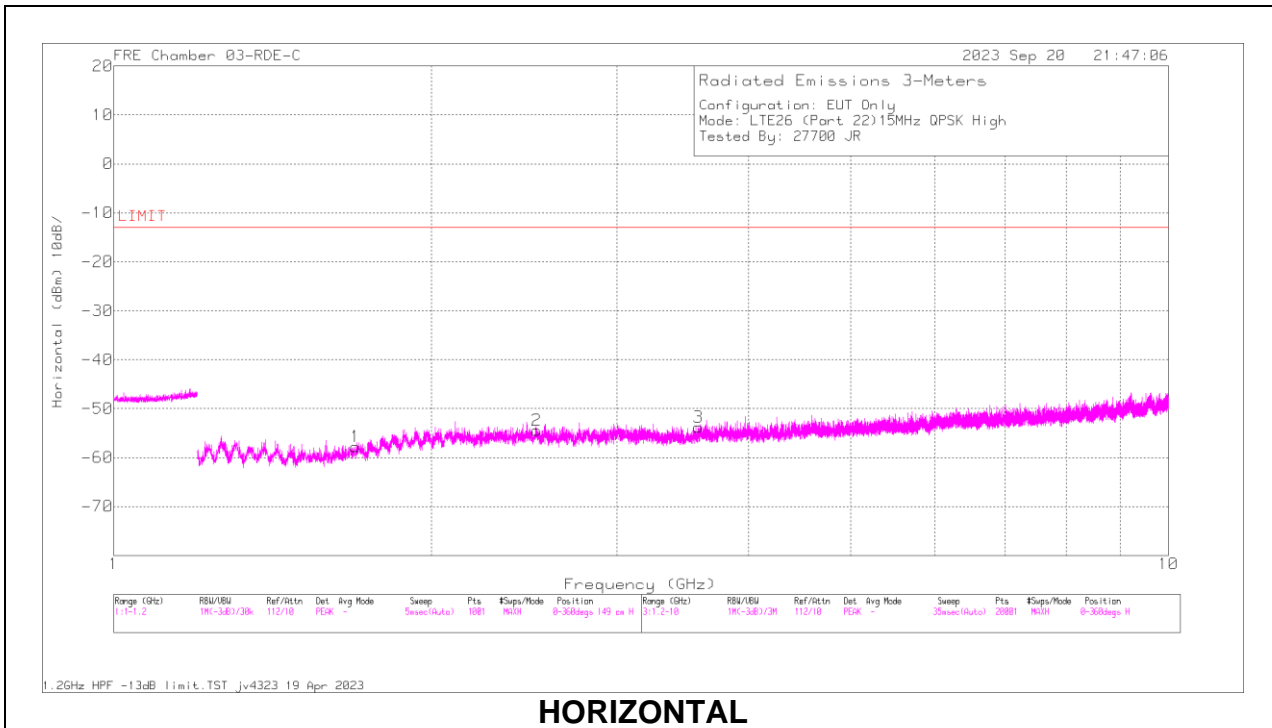


**HORIZONTAL**

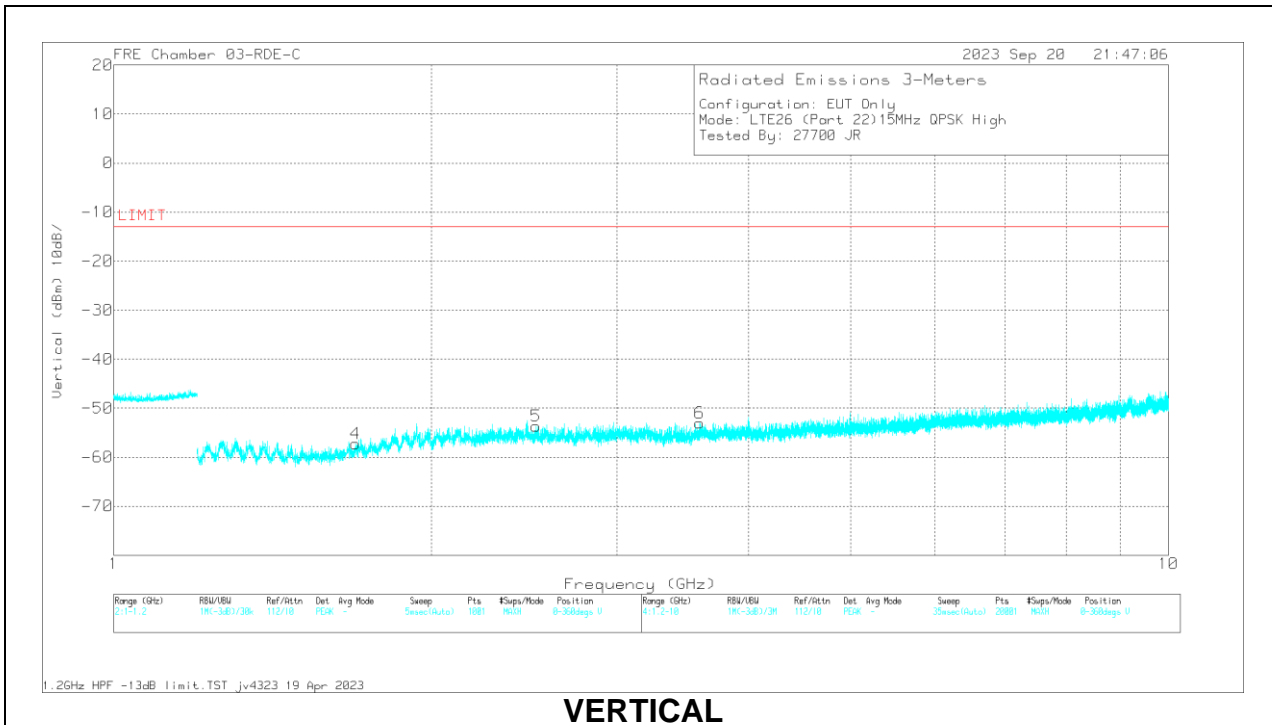


**VERTICAL**

## HIGH CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

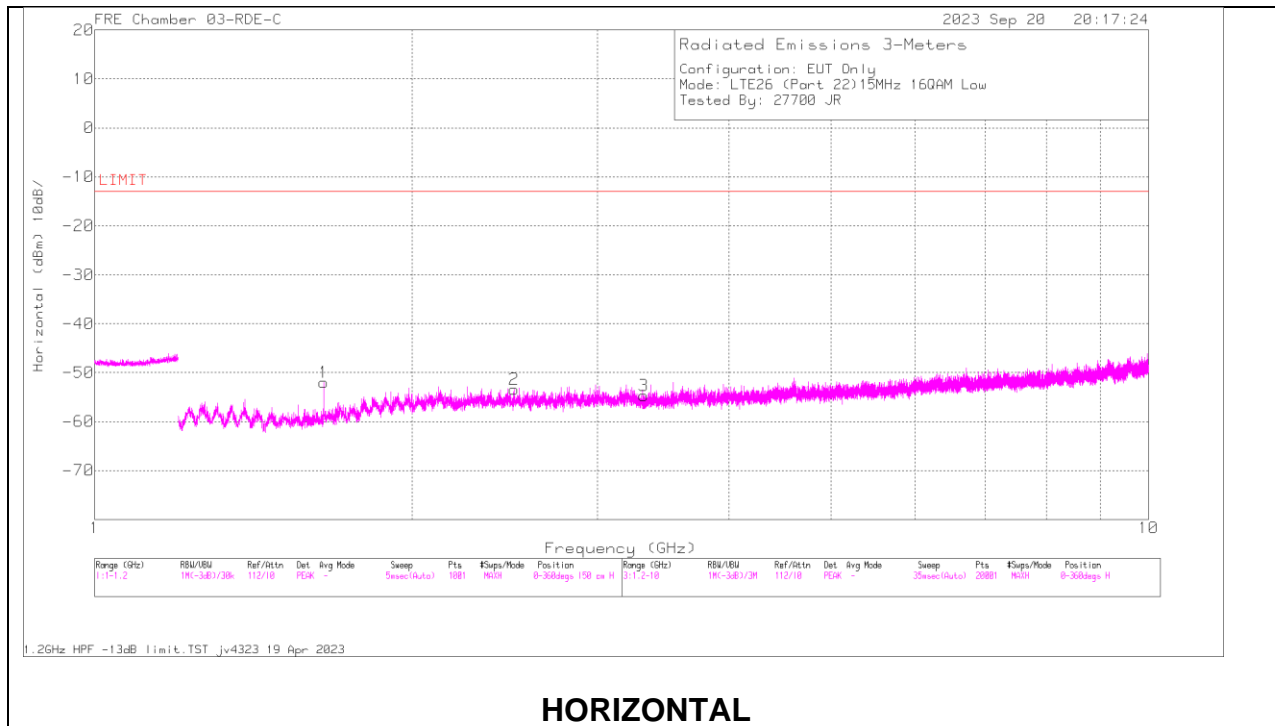
**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226672 ACF (dB) 3mH	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
831.5 MHz												
4	1.649715	71.12	Pk	28.3	-95.2	-47.63	-43.41	-13	-30.41	301	331	H
1	1.649700	73.51	Pk	28.3	-95.2	-47.63	-41.02	-13	-28.02	282	141	V
2	* 2.494157	58.62	Pk	32.3	-95.2	-47.90	-52.18	-13	-39.18	283	168	H
5	2.504600	59.11	PK	32.3	-95.2	-47.90	-51.69	-13	-38.69	269	140	V
3	3.330480	56.11	Pk	32.7	-95.2	-45.75	-52.14	-13	-39.14	316	180	H
6	3.314200	55.98	Pk	32.7	-95.2	-45.80	-52.32	-13	-39.32	207	171	V
836.5 MHz												
4	1.659847	66.91	Pk	28.4	-95.2	-47.72	-47.61	-13	-34.61	347	127	H
1	1.659652	75.14	Pk	28.4	-95.2	-47.73	-39.39	-13	-26.39	199	298	V
2	* 2.489609	60.44	Pk	32.3	-95.2	-47.94	-50.40	-13	-37.40	182	159	H
5	2.513116	59.12	Pk	32.3	-95.2	-48.00	-51.78	-13	-38.78	203	135	V
3	* 3.356440	56.79	Pk	32.7	-95.2	-45.90	-51.61	-13	-38.61	220	135	H
6	* 3.353800	56.58	Pk	32.7	-95.2	-45.88	-51.8	-13	-38.8	128	126	V
841.5 MHz												
1	* 1.691722	58.65	Pk	28.8	-95.2	-47.57	-55.32	-13	-42.32	220	149	H
4	* 1.692448	59.37	Pk	28.8	-95.2	-47.56	-54.59	-13	-41.59	67	249	V
2	2.516666	60.18	PK	32.3	-95.2	-47.93	-50.65	-13	-37.65	269	323	H
5	2.512223	59.05	Pk	32.3	-95.2	-47.92	-51.77	-13	-38.77	119	101	V
3	* 3.583111	57.69	Pk	33	-95.2	-46.00	-50.51	-13	-37.51	4	101	H
6	* 3.598087	57.13	Pk	33	-95.2	-45.99	-51.06	-13	-38.06	111	142	V

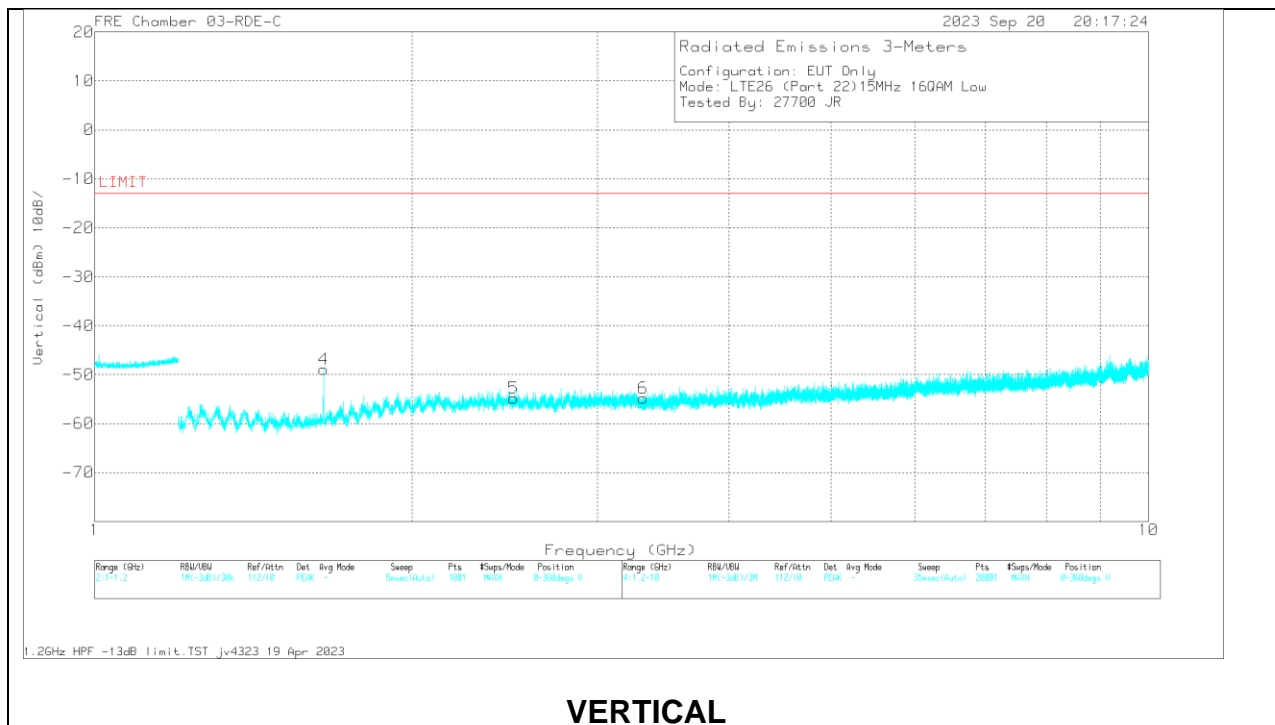
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector

**16QAM LTE BAND 26 (15.0MHZ BANDWIDTH)**

**LOW CHANNEL RESULTS**

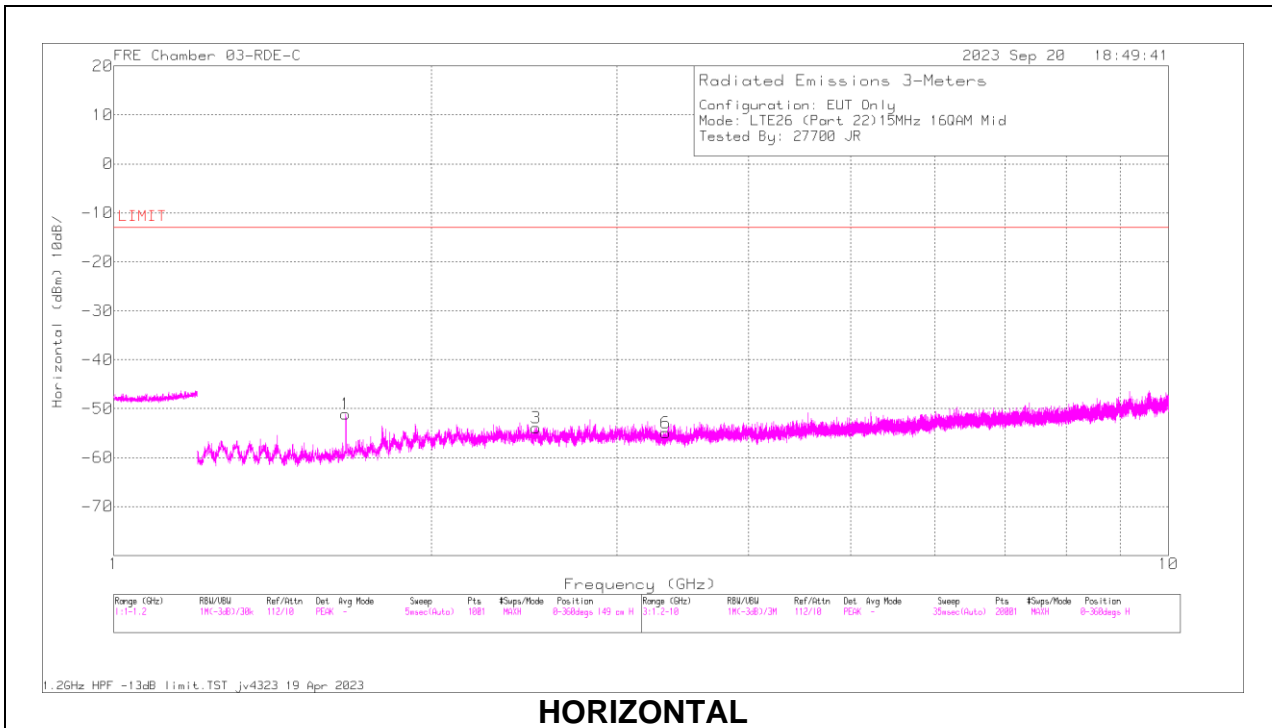


**HORIZONTAL**

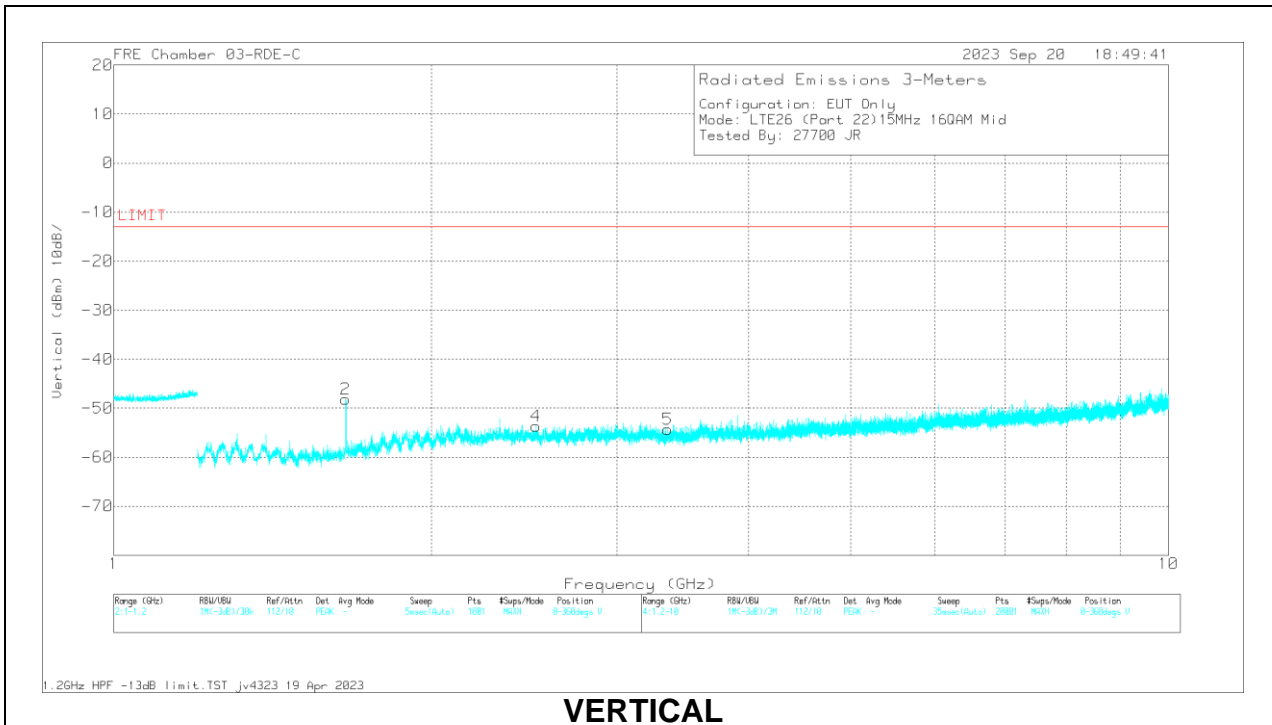


**VERTICAL**

### MID CHANNEL RESULTS

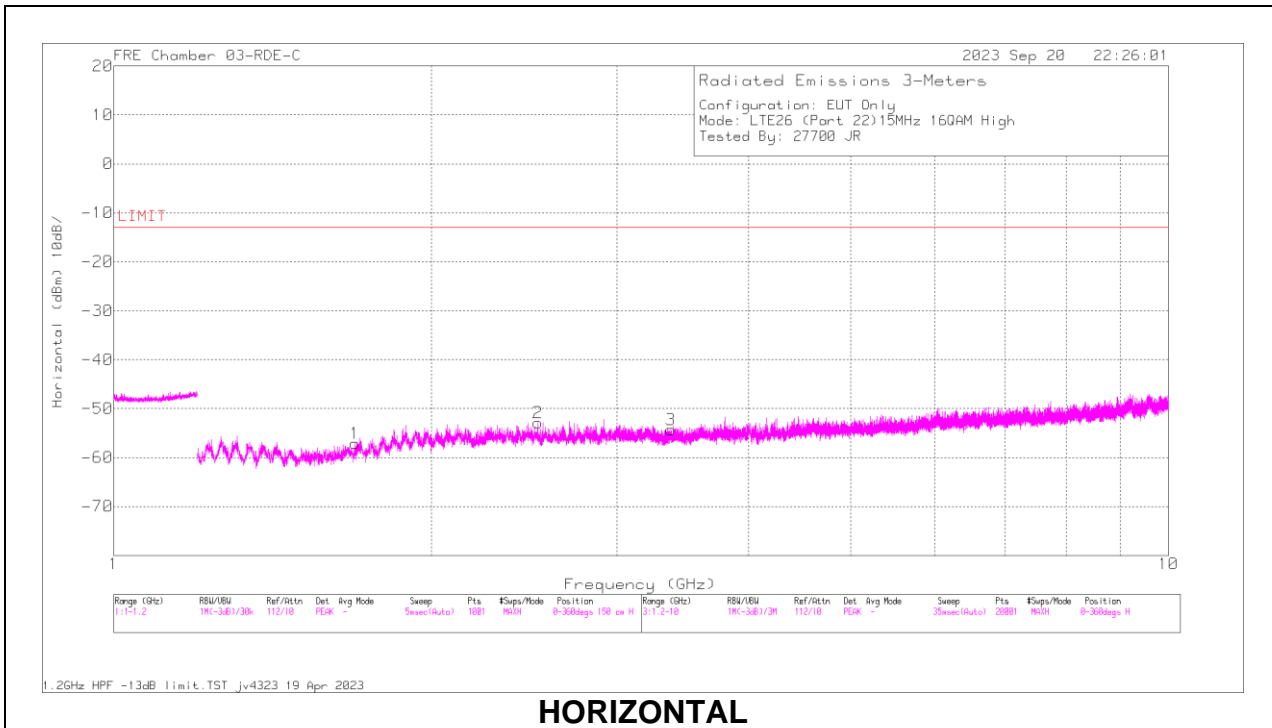


**HORIZONTAL**

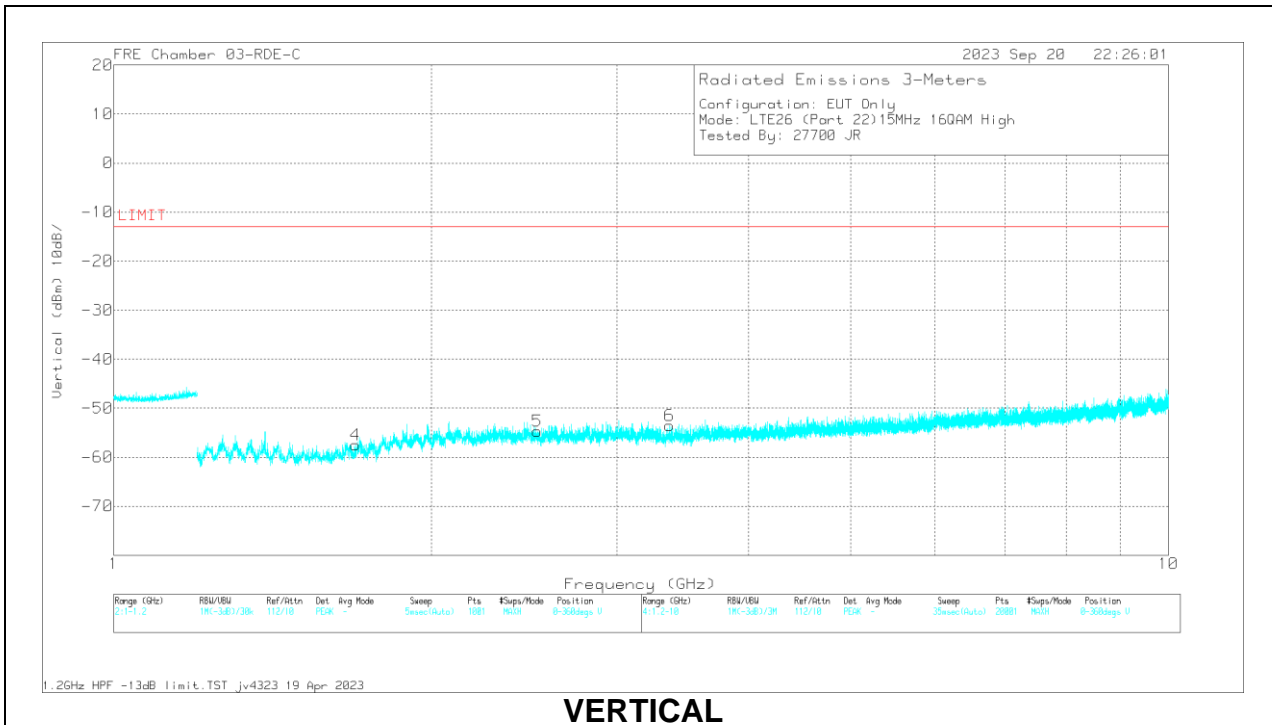


**VERTICAL**

### HIGH CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226672 ACF (dB) 3mH	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
831.5 MHz												
1	1.649770	69.64	Pk	28.3	-95.2	-47.62	-44.88	-13	-31.88	290	333	H
4	1.649783	75.32	Pk	28.3	-95.2	-47.62	-39.20	-13	-26.20	287	320	V
2	2.500200	58.83	Pk	32.3	-95.2	-48.08	-52.15	-13	-39.15	250	168	H
5	*	58.59	Pk	32.3	-95.2	-48.00	-52.31	-13	-39.31	267	181	V
3	2.496240	56.77	Pk	32.7	-95.2	-45.70	-51.43	-13	-38.43	289	150	H
6	3.312280	56.02	Pk	32.7	-95.2	-45.70	-52.18	-13	-39.18	181	150	V
836.5 MHz												
2	1.659809	71	Pk	28.4	-95.2	-47.72	-43.52	-13	-30.52	194	200	H
1	1.659678	75.57	Pk	28.4	-95.2	-47.73	-38.96	-13	-25.96	203	307	V
3	2.509557	59.42	Pk	32.3	-95.2	-47.90	-51.38	-13	-38.38	170	160	H
4	2.510904	59.83	Pk	32.3	-95.2	-47.81	-50.88	-13	-37.88	111	199	V
6	3.339720	55.93	Pk	32.7	-95.2	-45.66	-52.23	-13	-39.23	137	193	H
5	*	56.31	Pk	32.7	-95.2	-45.90	-52.09	-13	-39.09	84	125	V
3	3.356034											
841.5 MHz												
1	*	58.5	Pk	28.8	-95.2	-47.50	-55.40	-13	-42.40	269	182	H
4	1.694855	58.76	Pk	28.8	-95.2	-47.51	-55.15	-13	-42.15	320	273	V
5	1.692911	58.68	Pk	32.3	-95.2	-47.85	-52.07	-13	-39.07	246	117	H
2	2.520509	58.95	Pk	32.3	-95.2	-47.90	-51.85	-13	-38.85	86	248	V
3	2.522346	56.72	Pk	32.6	-95.2	-46.00	-51.88	-13	-38.88	192	243	H
6	3.373025	57.1	Pk	32.6	-95.2	-45.90	-51.40	-13	-38.40	258	368	V
3	3.364946											

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector

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## 10.2.11. LTE BAND 41

### LIMITS

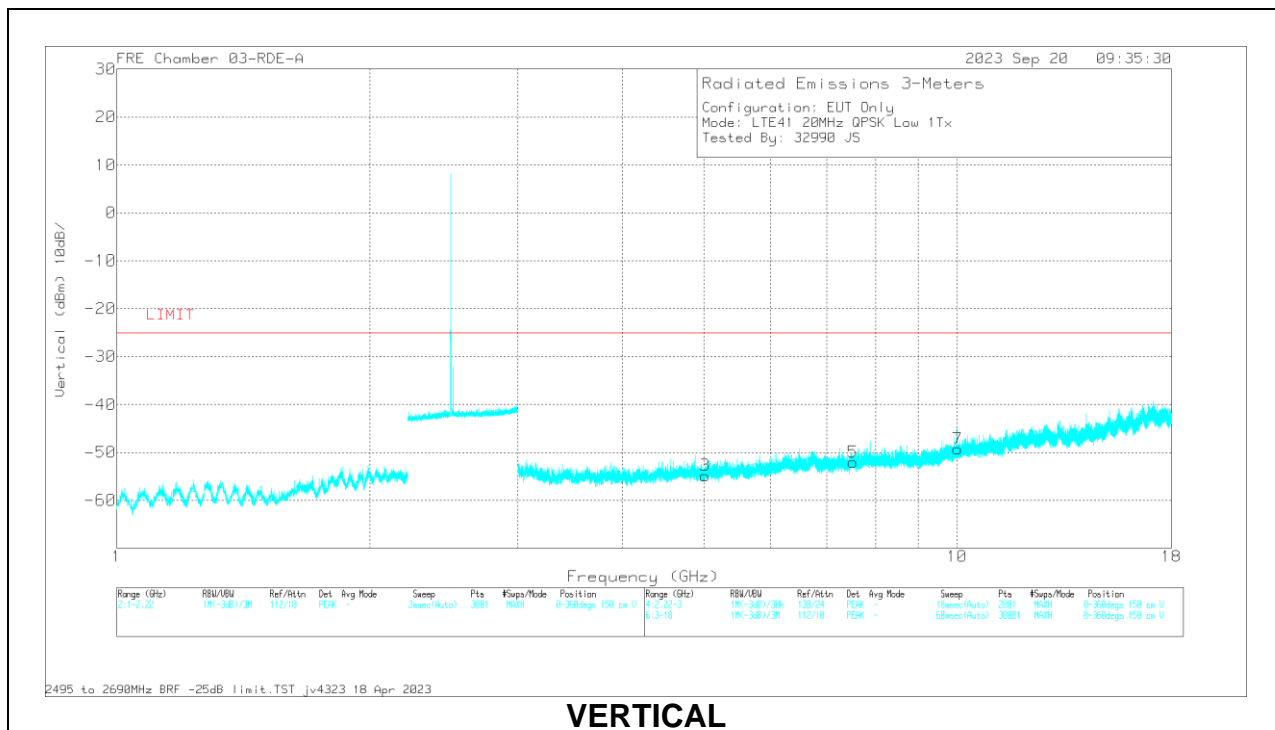
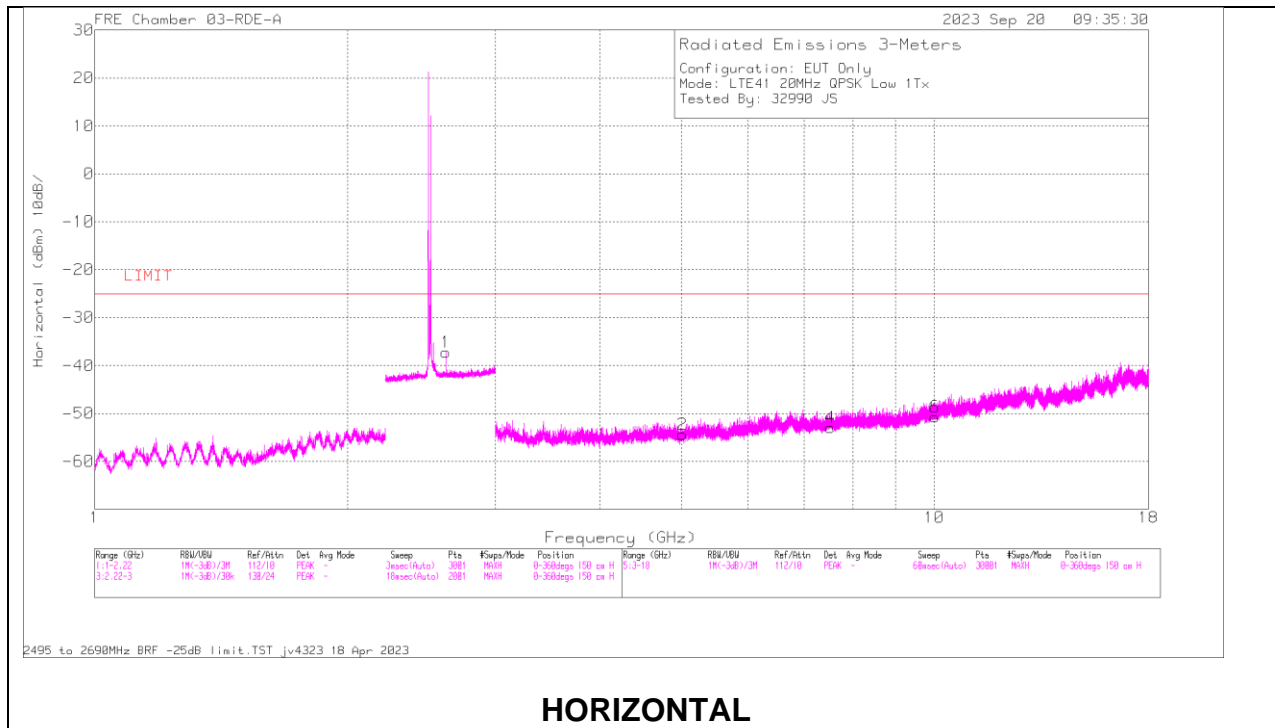
FCC: §27.53 (m)

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.

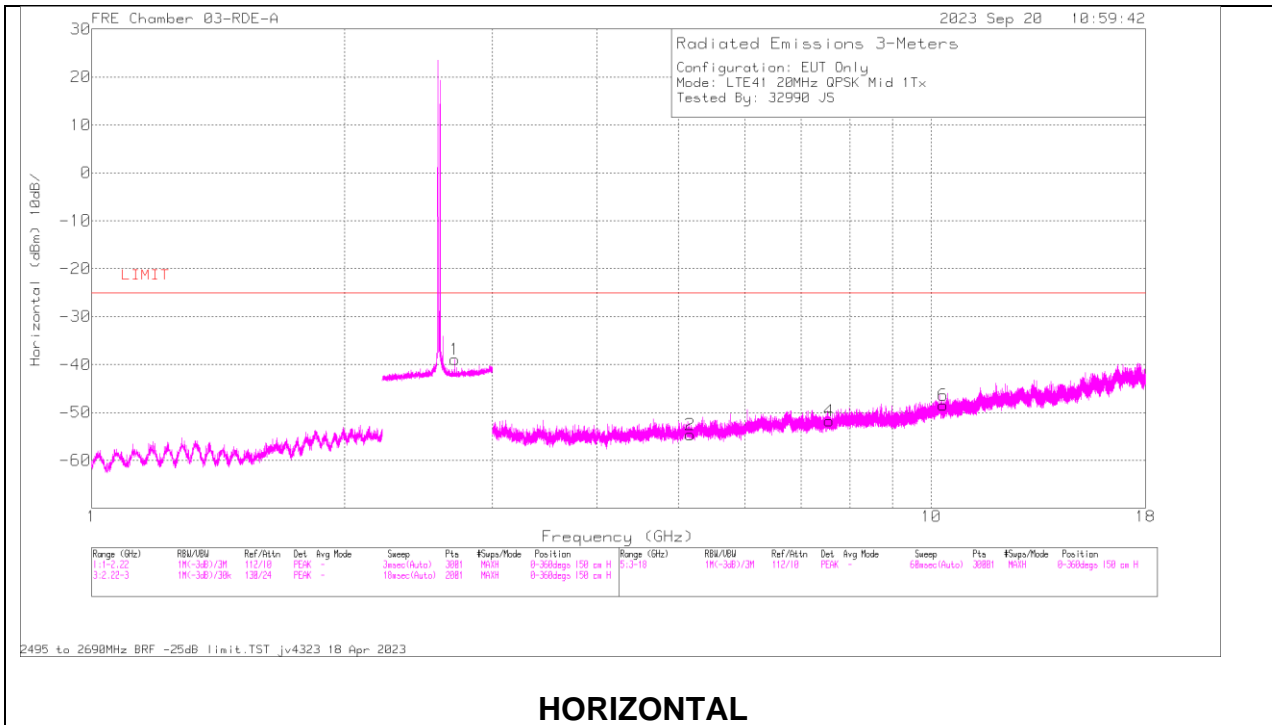


**QPSK LTE BAND 41 (20.0MHZ BANDWIDTH)**

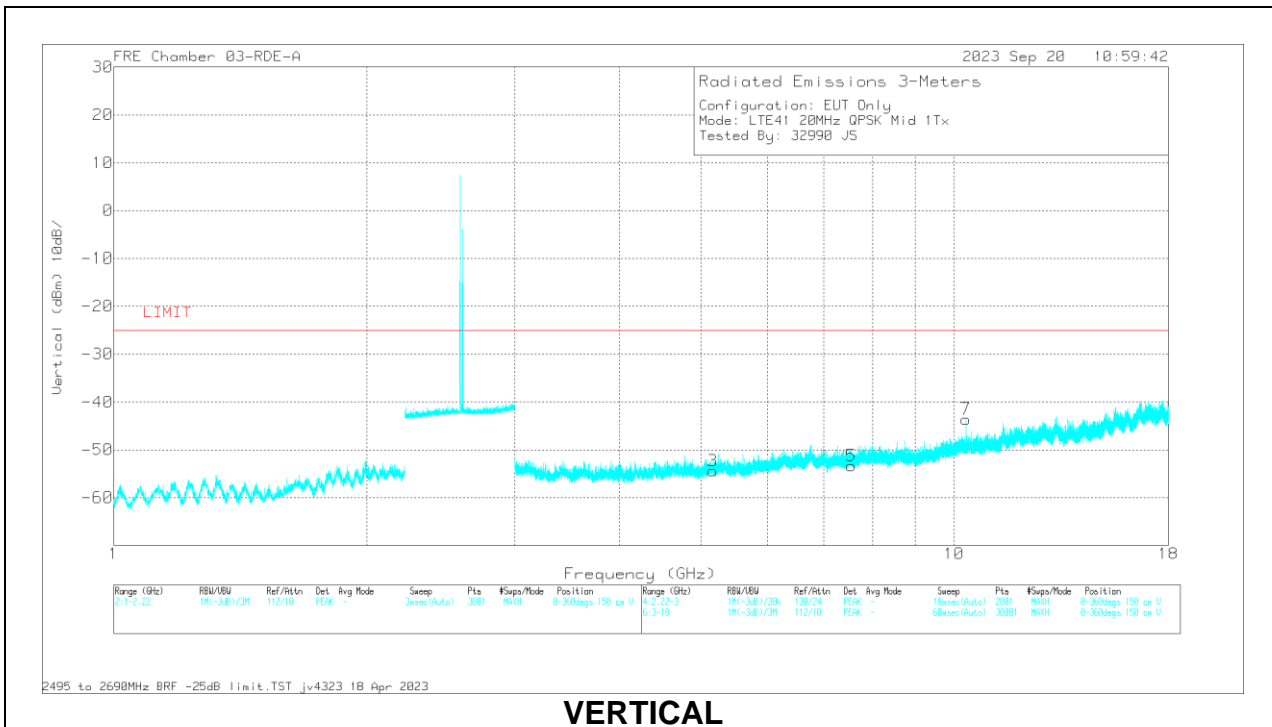
**LOW CHANNEL RESULTS**



### MID CHANNEL RESULTS

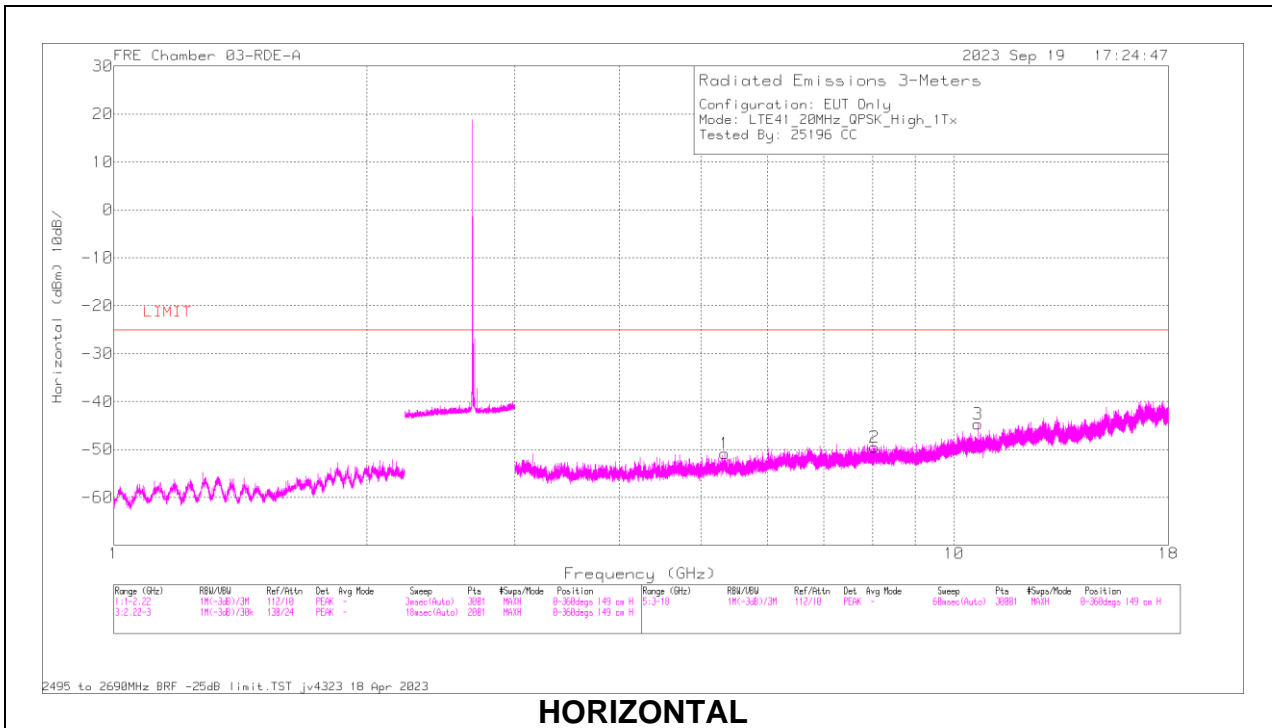


**HORIZONTAL**

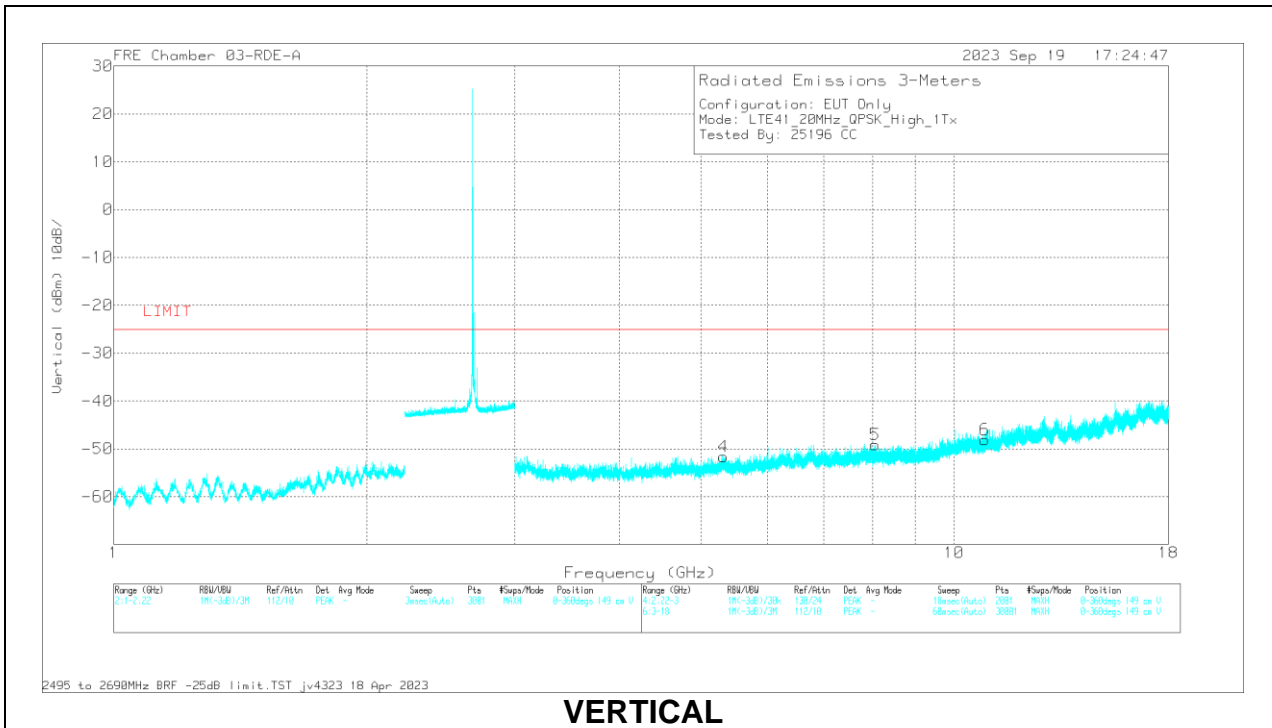


**VERTICAL**

### HIGH CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

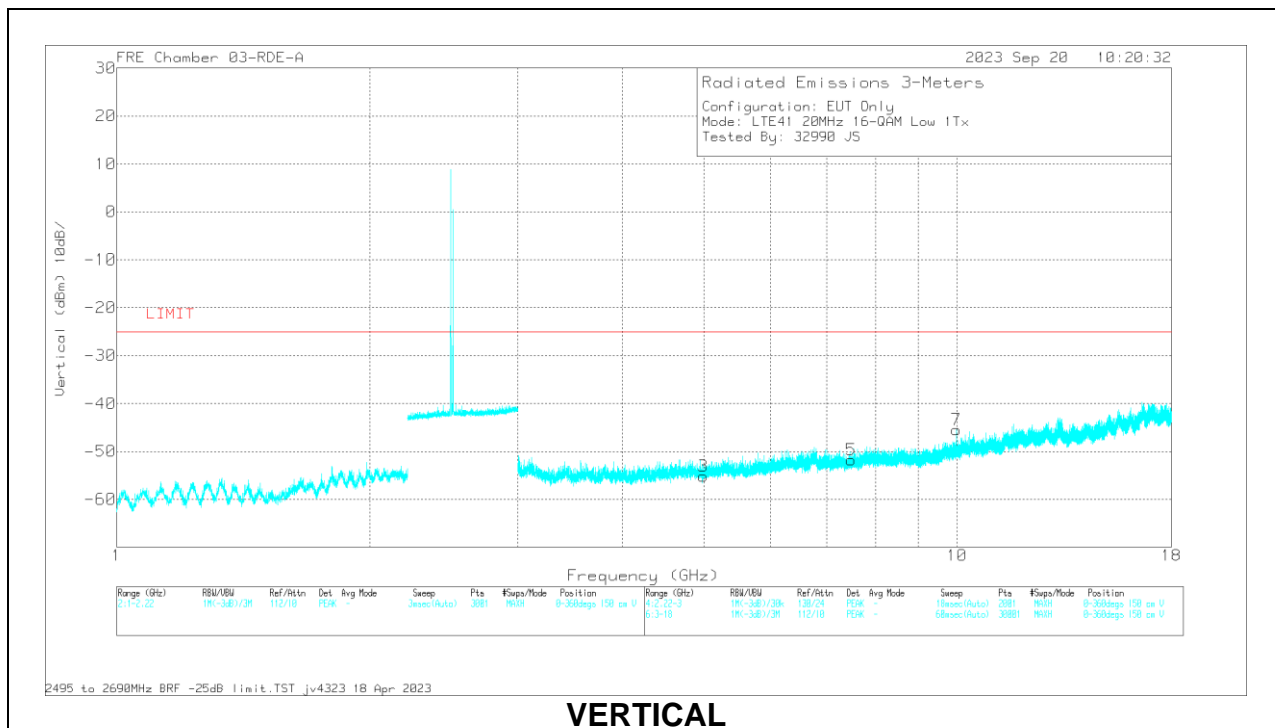
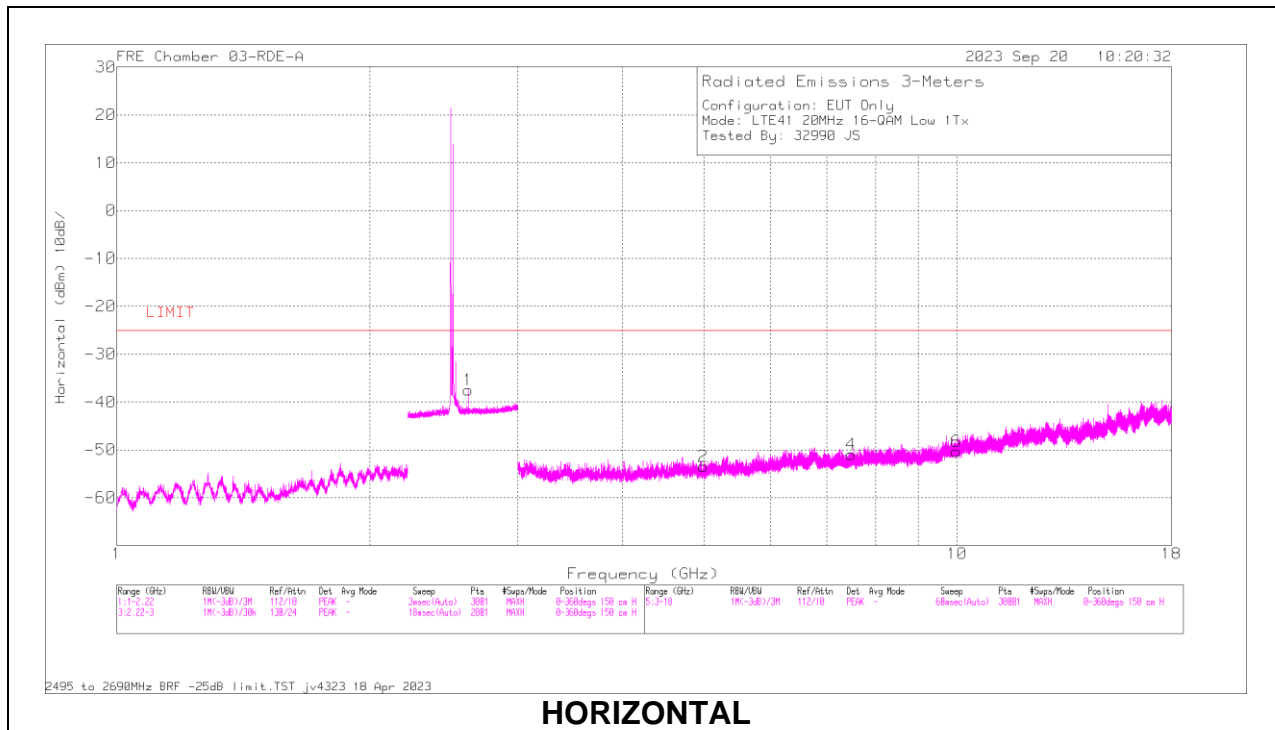
**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBUV)	Det	200897 ACF 3m (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2506 MHz												
2	* 5.012626	57.8	Pk	33.9	-95.2	-47.36	-50.86	-25	-25.86	212	343	H
3	* 5.012922	57.67	Pk	33.9	-95.2	-47.38	-51.01	-25	-26.01	326	102	V
4	* 7.519260	55.89	Pk	35.7	-95.2	-45.21	-48.82	-25	-23.82	23	165	H
5	* 7.519430	55.82	Pk	35.7	-95.2	-45.21	-48.89	-25	-23.89	27	219	V
6	10.020116	56.53	Pk	37.3	-95.2	-45.77	-47.14	-25	-22.14	353	247	H
7	10.020554	56.35	Pk	37.3	-95.2	-45.79	-47.34	-25	-22.34	244	214	V
2593 MHz												
2	* 5.166500	53.67	Pk	34.1	-95.2	-47.48	-54.91	-25	-29.91	0-360	150	H
3	* 5.166500	54.66	Pk	34.1	-95.2	-47.48	-53.92	-25	-28.92	0-360	150	V
4	* 7.555000	54.14	Pk	35.7	-95.2	-45.46	-50.82	-25	-25.82	0-360	150	H
5	* 7.551500	57.16	Pk	35.7	-95.2	-45.46	-47.80	-25	-22.80	0-360	150	V
6	10.335000	54.95	Pk	37.5	-95.2	-45.27	-48.02	-25	-23.02	0-360	150	H
7	10.336500	61.83	Pk	37.5	-95.2	-45.27	-41.14	-25	-16.14	0-360	150	V
2680 MHz												
1	5.336998	57.96	Pk	34.4	-95.2	-47.32	-50.16	-25	-25.16	338	165	H
4	5.318933	58.12	Pk	34.4	-95.2	-47.26	-49.94	-25	-24.94	211	154	V
2	8.044925	55.88	Pk	35.7	-95.2	-44.69	-48.31	-25	-23.31	207	274	H
5	8.060918	55.94	Pk	35.7	-95.2	-44.91	-48.47	-25	-23.47	232	111	V
3	10.684188	62.42	Pk	37.7	-95.2	-44.81	-39.89	-25	-14.89	262	134	H
6	10.880506	55.71	Pk	37.6	-95.2	-44.54	-46.43	-25	-21.43	247	175	V

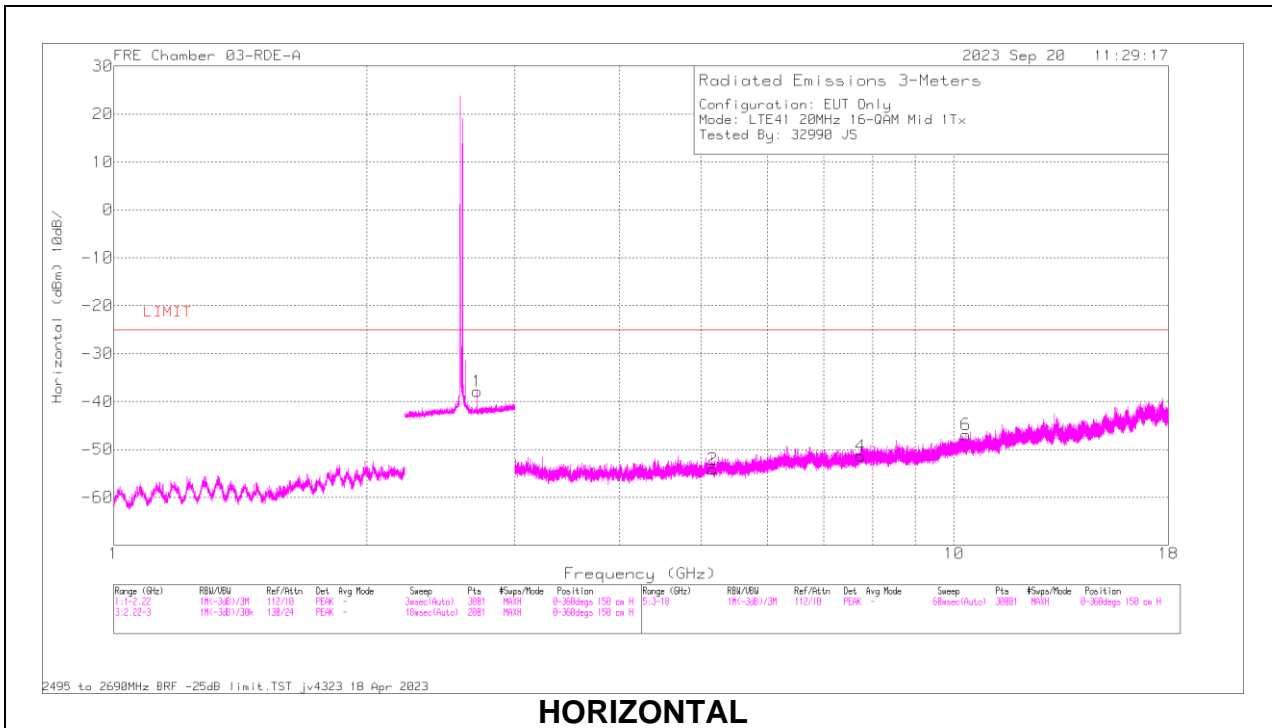
Pk - Peak detector

**16QAM LTE BAND 41 (20.0MHZ BANDWIDTH)**

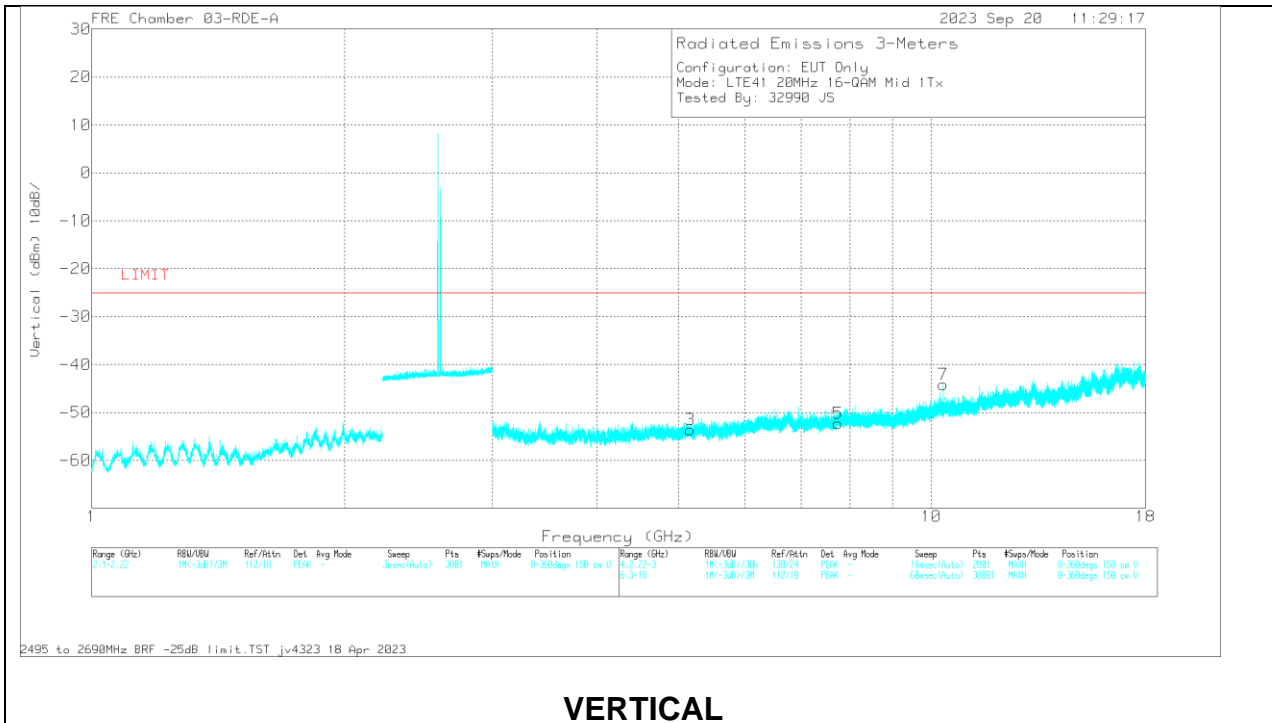
**LOW CHANNEL RESULTS**



### MID CHANNEL RESULTS

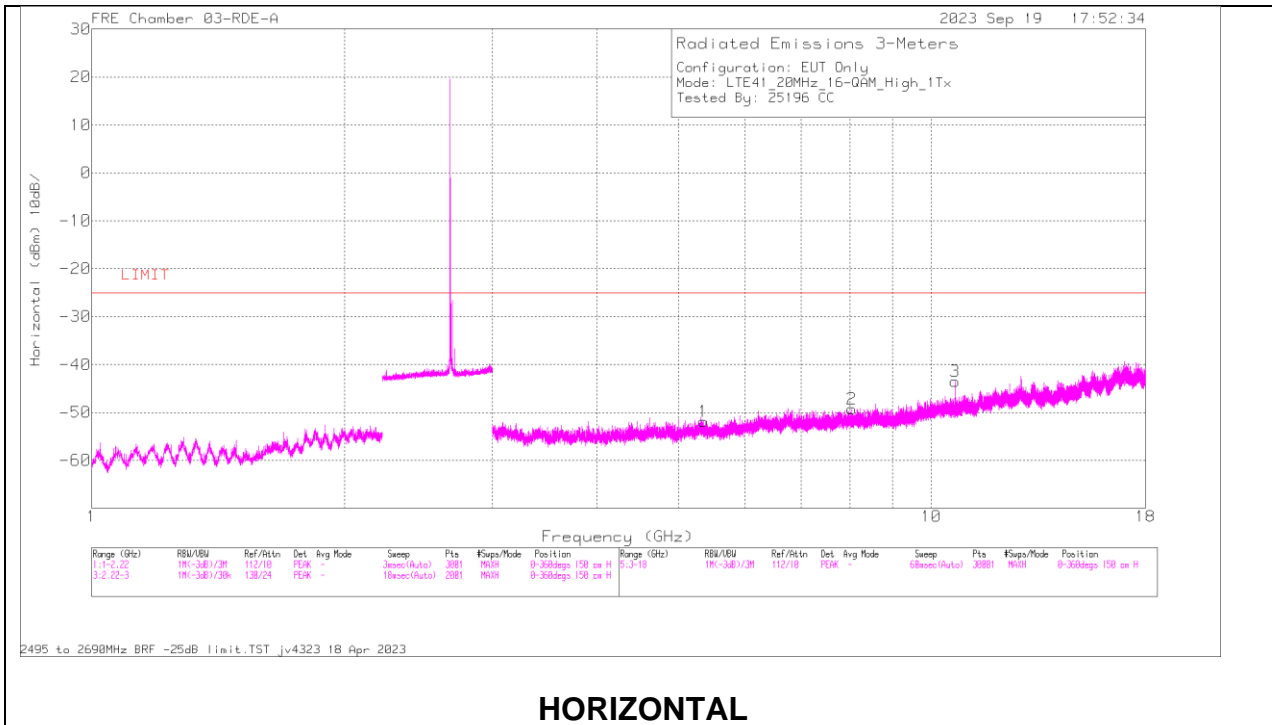


**HORIZONTAL**

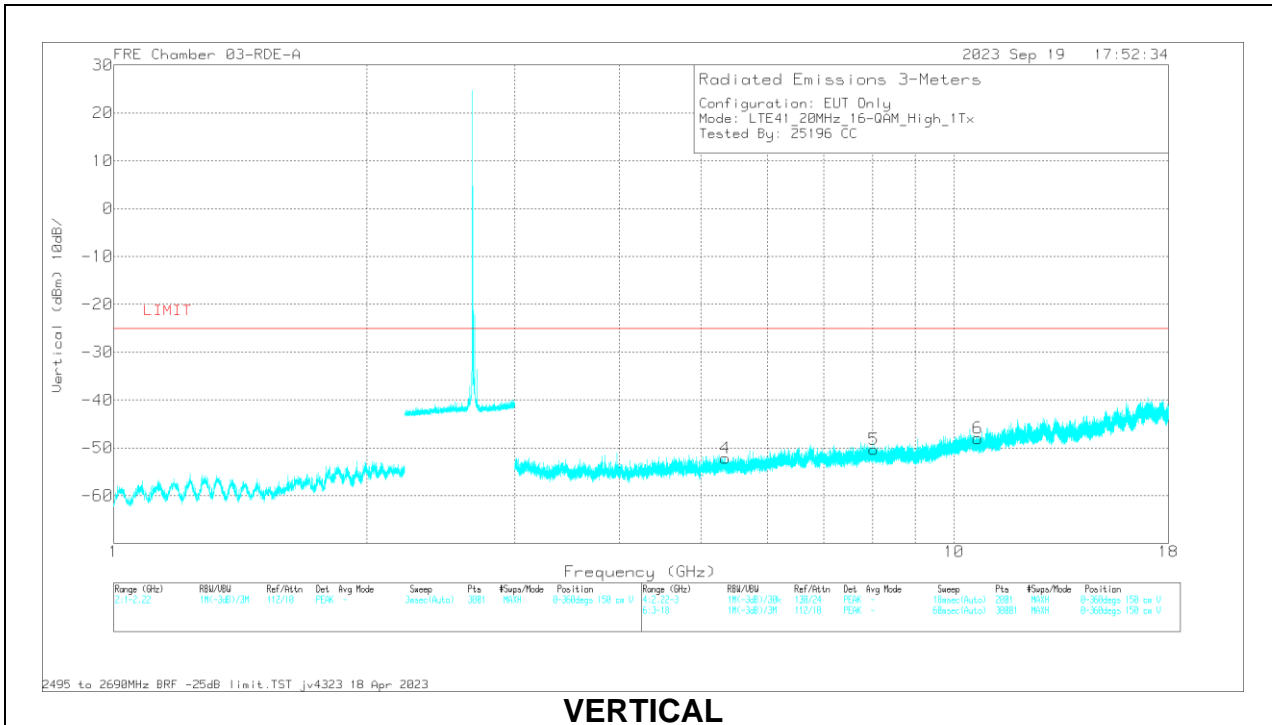


**VERTICAL**

### HIGH CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF 3m (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2506 MHz												
2	* 4.990750	57.19	Pk	33.9	-95.2	-47.38	-51.49	-25	-26.49	75	146	H
3	* 4.994453	58.02	Pk	33.9	-95.2	-47.66	-50.94	-25	-25.94	156	126	V
4	* 7.487049	55.61	Pk	35.7	-95.2	-45.39	-49.28	-25	-24.28	121	210	H
5	* 7.490042	55.85	Pk	35.7	-95.2	-45.38	-49.03	-25	-24.03	56	226	V
6	9.987616	56.31	Pk	37.2	-95.2	-45.74	-47.43	-25	-22.43	169	218	H
7	9.988311	62.47	Pk	37.2	-95.2	-45.73	-41.26	-25	-16.26	79	159	V
2593 MHz												
2	5.164915	57.42	Pk	34.1	-95.2	-47.37	-51.05	-25	-26.05	208	244	H
3	5.168216	58.34	Pk	34.1	-95.2	-47.59	-50.35	-25	-25.35	343	116	V
4	* 7.749516	56.43	Pk	35.8	-95.2	-44.91	-47.88	-25	-22.88	159	190	H
5	* 7.748980	55.99	Pk	35.8	-95.2	-44.90	-48.31	-25	-23.31	313	220	V
6	10.336434	56.72	Pk	37.5	-95.2	-45.27	-46.25	-25	-21.25	146	163	H
7	10.336414	67.07	Pk	37.5	-95.2	-45.27	-35.90	-25	-10.90	109	130	V
2680 MHz												
1	* 5.350737	57.69	Pk	34.4	-95.2	-47.40	-50.51	-25	-25.51	275	186	H
4	5.345098	57.94	Pk	34.4	-95.2	-47.27	-50.13	-25	-25.13	202	170	V
2	* 8.043205	55.22	Pk	35.7	-95.2	-44.65	-48.93	-25	-23.93	51	121	H
5	8.022772	56.1	Pk	35.7	-95.2	-44.70	-48.10	-25	-23.10	64	204	V
3	* 10.684341	63.34	Pk	37.7	-95.2	-44.81	-38.97	-25	-13.97	261	239	H
6	* 10.673584	56.32	Pk	37.7	-95.2	-44.86	-46.04	-25	-21.04	207	289	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector



## 10.2.12. LTE BAND 66

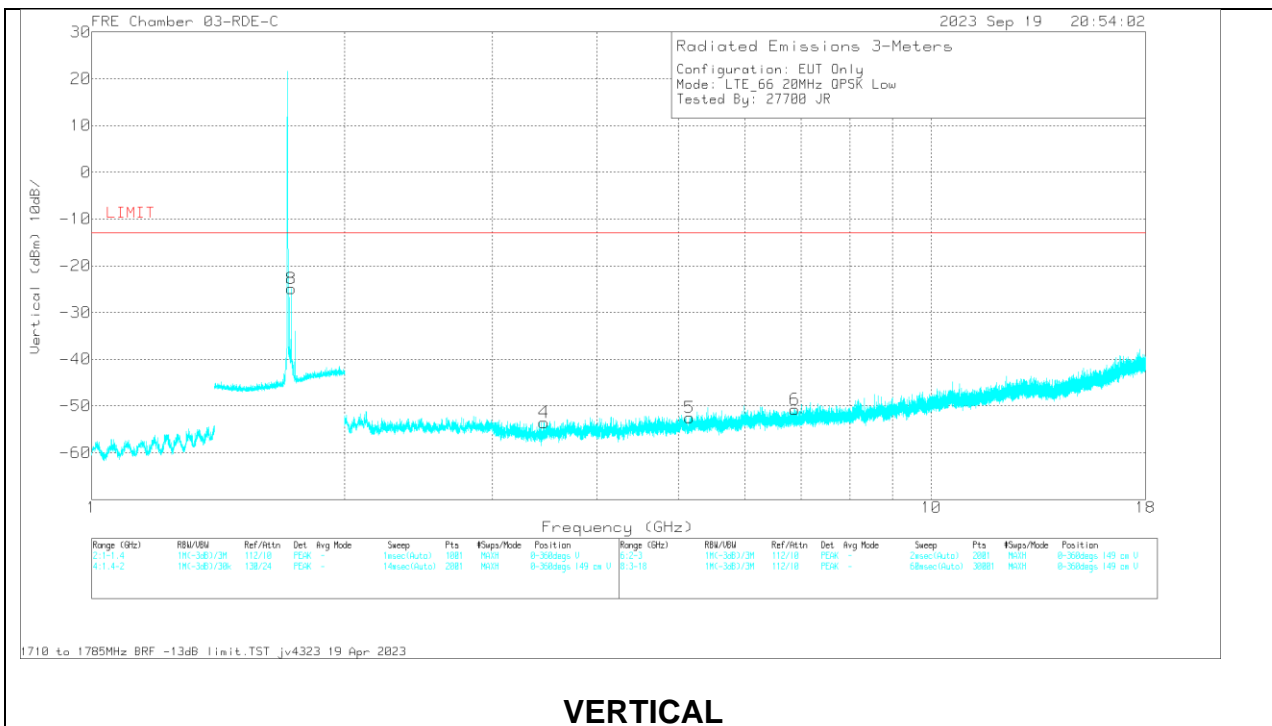
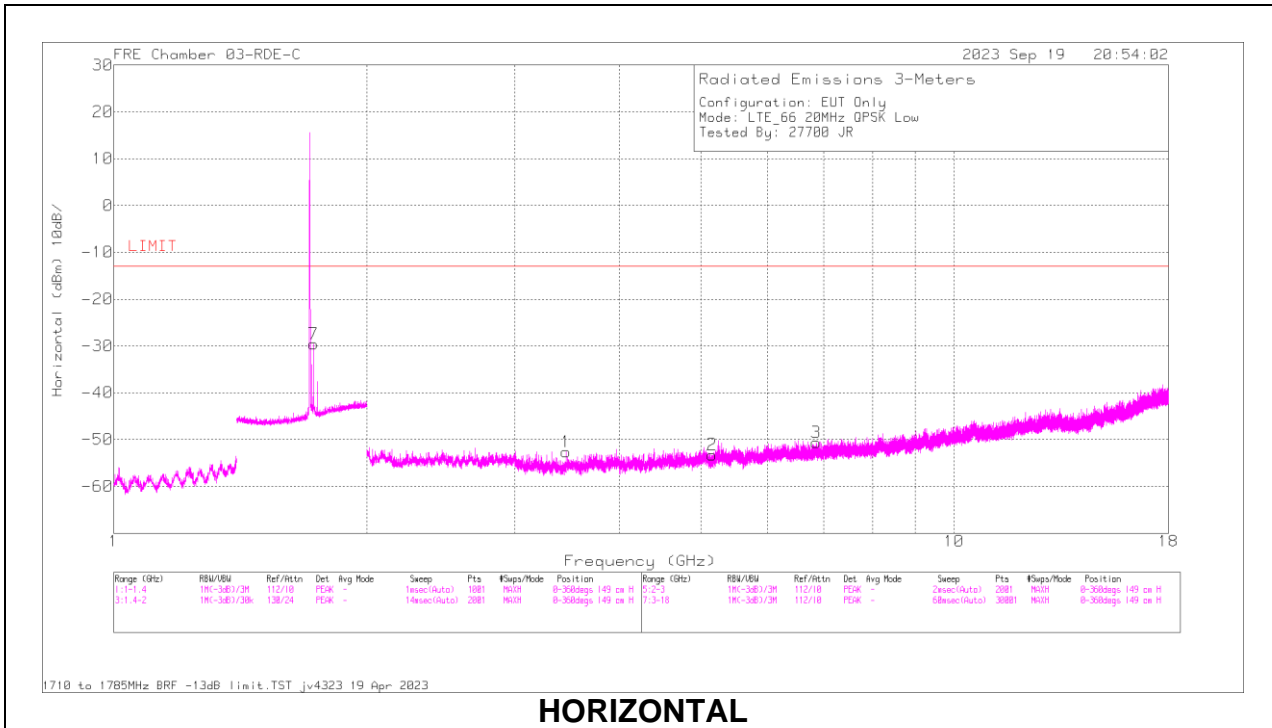
### LIMITS

FCC: §27.53 (h)

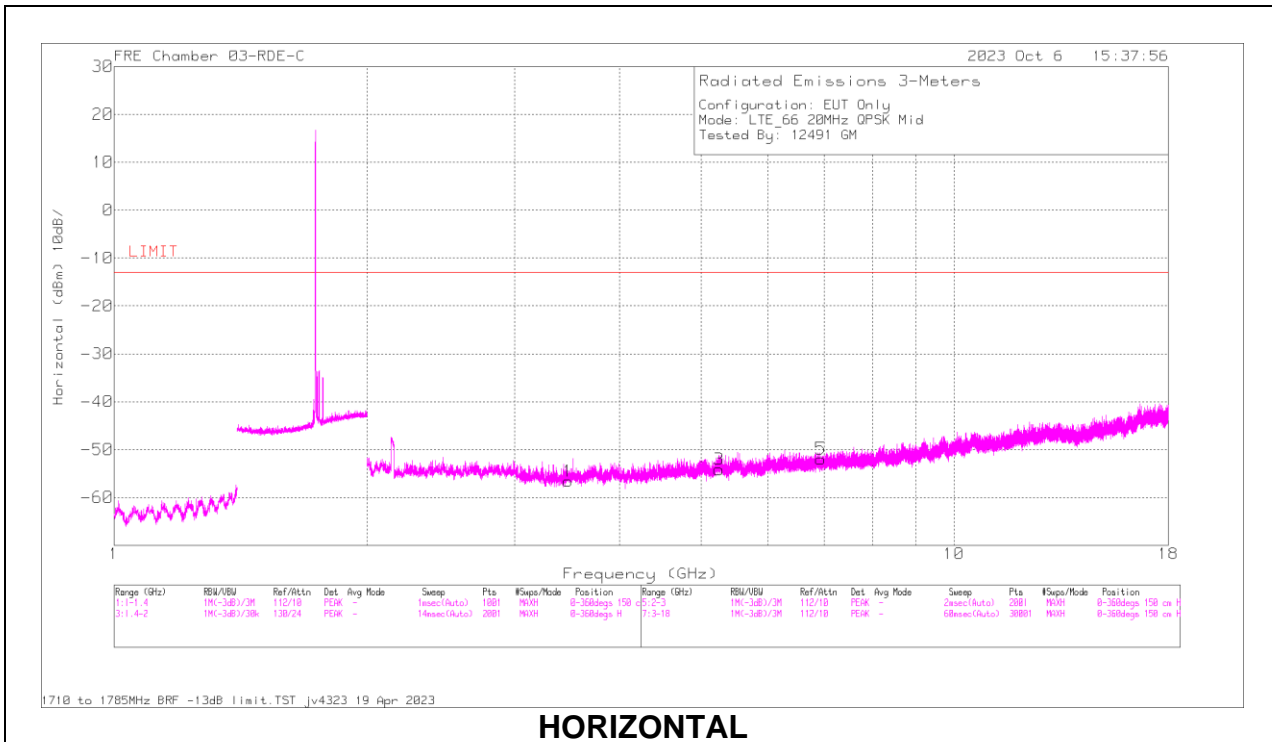
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least  $43 + 10 \log (P)$  dB.

**QPSK LTE BAND 66 (20.0MHZ BANDWIDTH)**

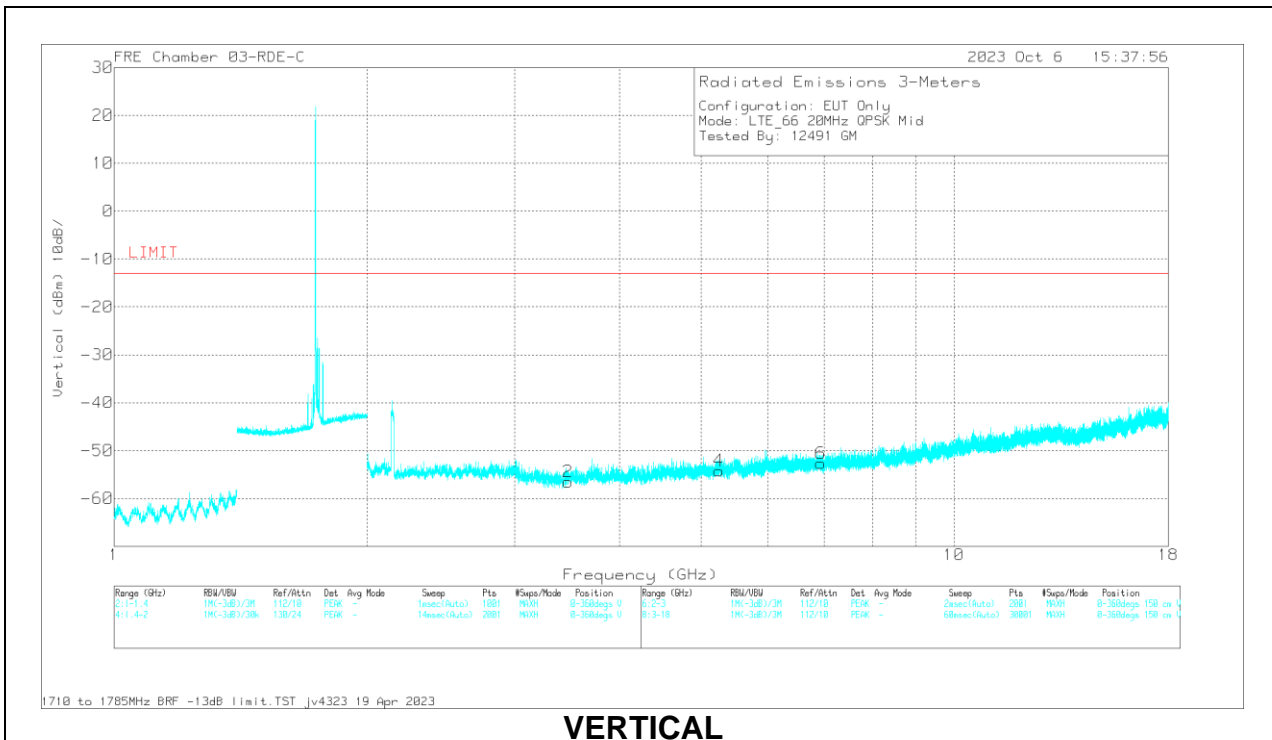
**LOW CHANNEL RESULTS**



### MID CHANNEL RESULTS

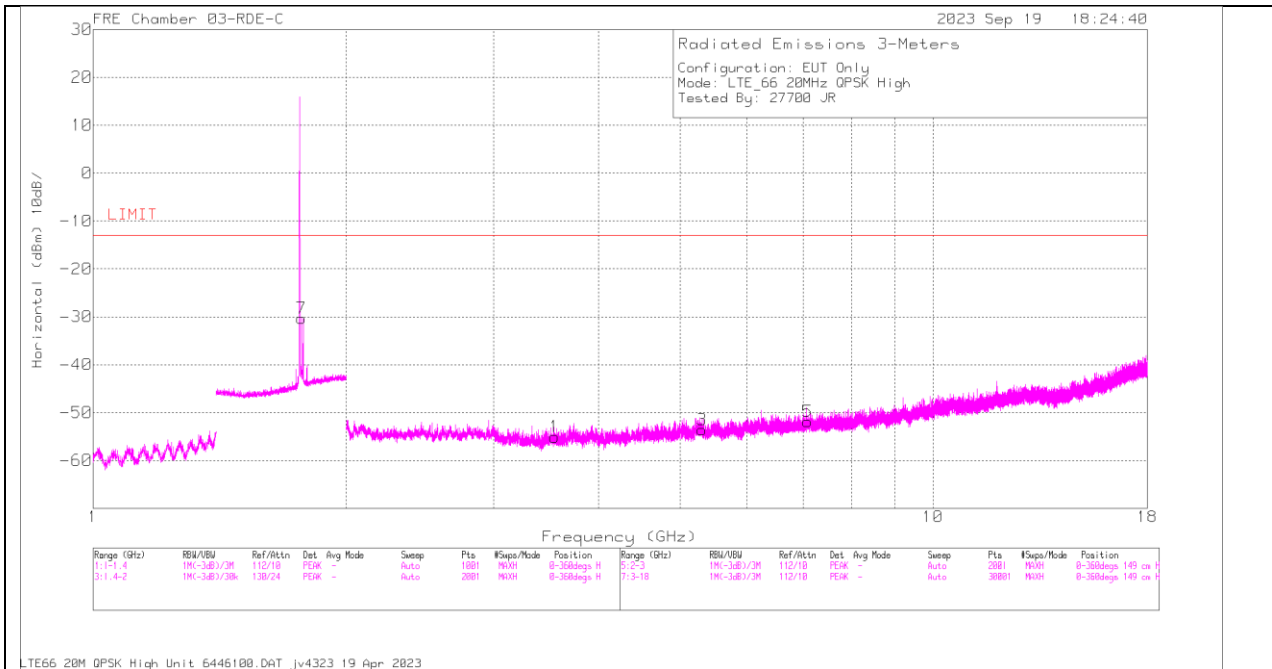


**HORIZONTAL**

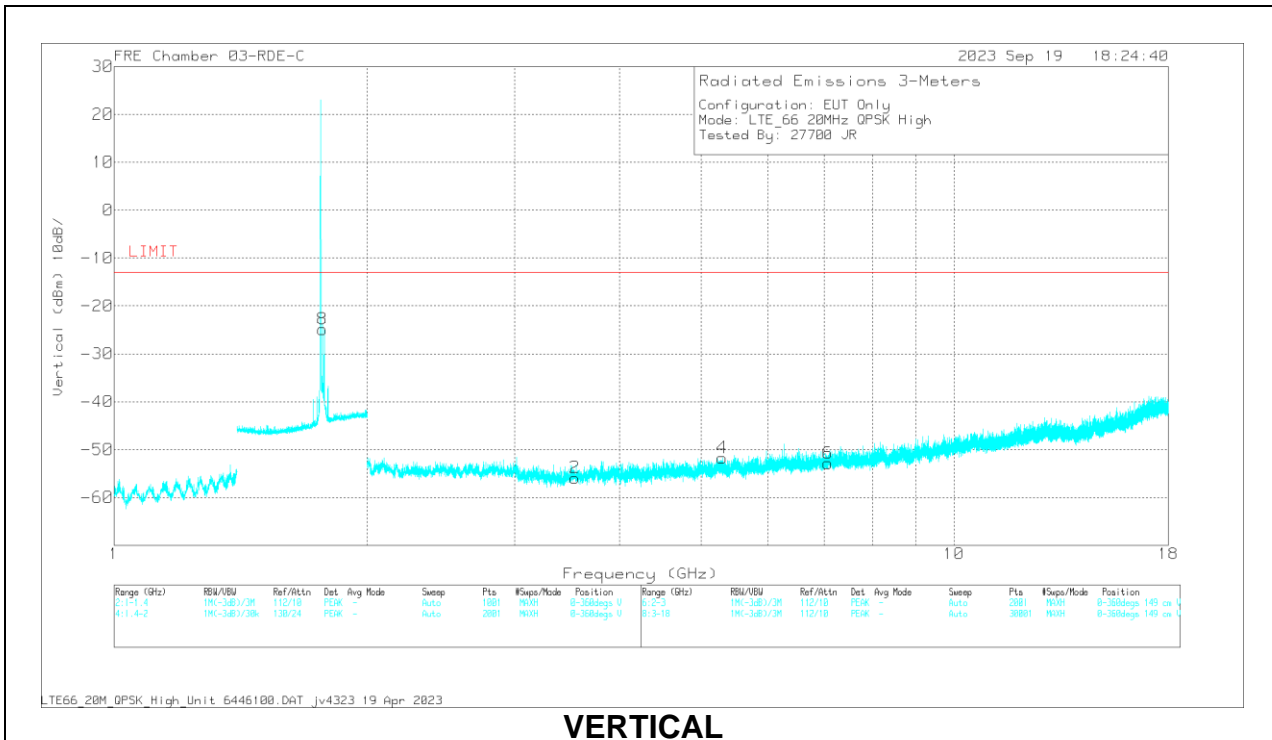


**VERTICAL**

### HIGH CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

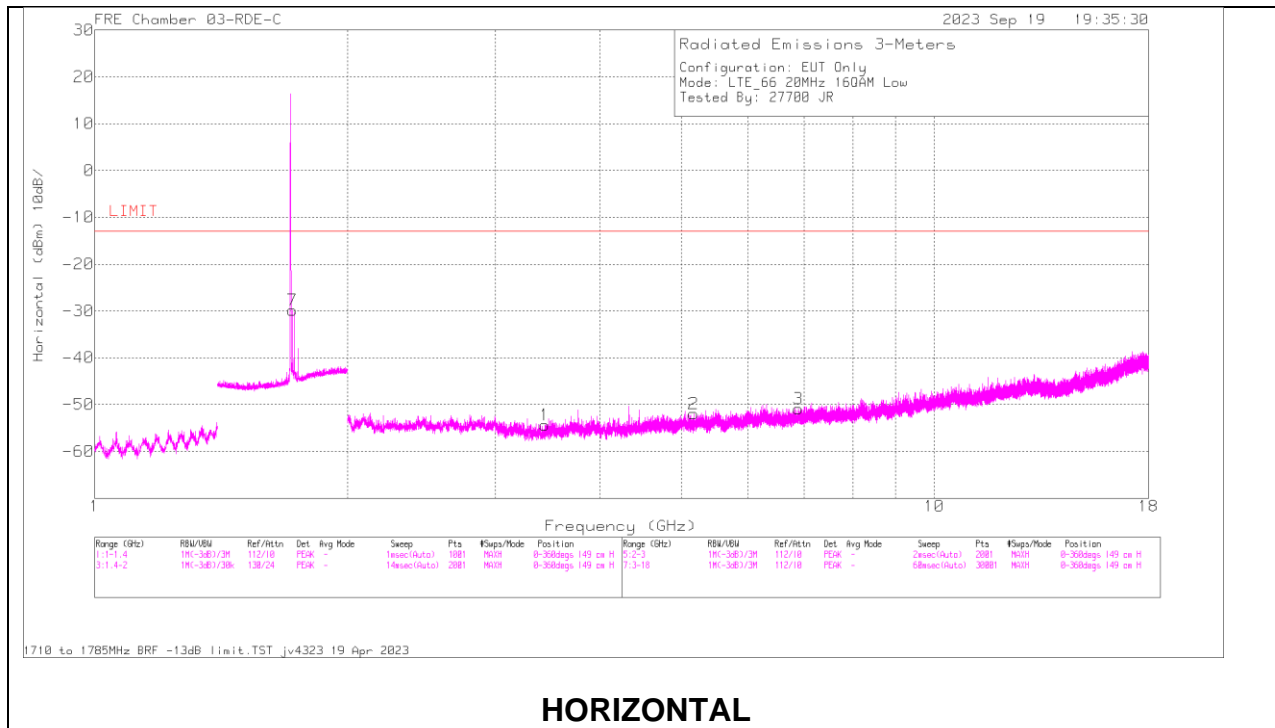
**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226672 ACF (dB) 3mH	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1720 MHz												
1	3.456082	56.66	Pk	32.7	-95.2	-46.09	-51.93	-13	-38.93	238	130	H
4	3.458465	56.76	Pk	32.7	-95.2	-46.00	-51.74	-13	-38.74	253	193	V
5	5.156204	57.78	Pk	34.4	-95.2	-47.38	-50.40	-13	-37.40	297	194	H
2	5.152850	57.62	Pk	34.4	-95.2	-47.40	-50.58	-13	-37.58	223	169	V
3	6.864342	57.04	Pk	35.6	-95.2	-45.90	-48.46	-13	-35.46	212	109	H
6	6.876589	57.16	Pk	35.6	-95.2	-46.04	-48.48	-13	-35.48	156	274	V
1745 MHz												
1	3.469369	55.99	Pk	32.7	-95.2	-45.96	-52.47	-13	-39.47	179	372	H
2	3.470481	55.63	Pk	32.7	-95.2	-45.95	-52.82	-13	-39.82	264	149	V
3	5.249325	57.41	Pk	34.5	-95.2	-46.93	-50.22	-13	-37.22	243	148	H
4	5.248945	57.41	Pk	34.5	-95.2	-46.89	-50.18	-13	-37.18	225	163	V
5	6.941675	56.03	Pk	35.7	-95.2	-46.2	-49.67	-13	-36.67	112	227	H
6	6.938324	56.56	Pk	35.7	-95.2	-46.3	-49.24	-13	-36.24	245	130	V
1770 MHz												
1	* 3.543654	56.58	Pk	32.9	-95.2	-46	-51.72	-13	-38.72	64	131	H
2	* 3.53595	56.63	Pk	32.9	-95.2	-46.1	-51.77	-13	-38.77	228	159	V
3	5.310162	57.75	Pk	34.5	-95.2	-46.9	-49.85	-13	-36.85	109	190	H
4	5.298598	35.88	Pk	34.5	-95.2	-46.9	-71.72	-13	-58.72	269	125	V
5	7.090873	56.66	Pk	35.7	-95.2	-45.9	-48.74	-13	-35.74	212	279	H
6	7.085573	57.33	Pk	35.7	-95.2	-45.8	-47.97	-13	-34.97	119	123	V

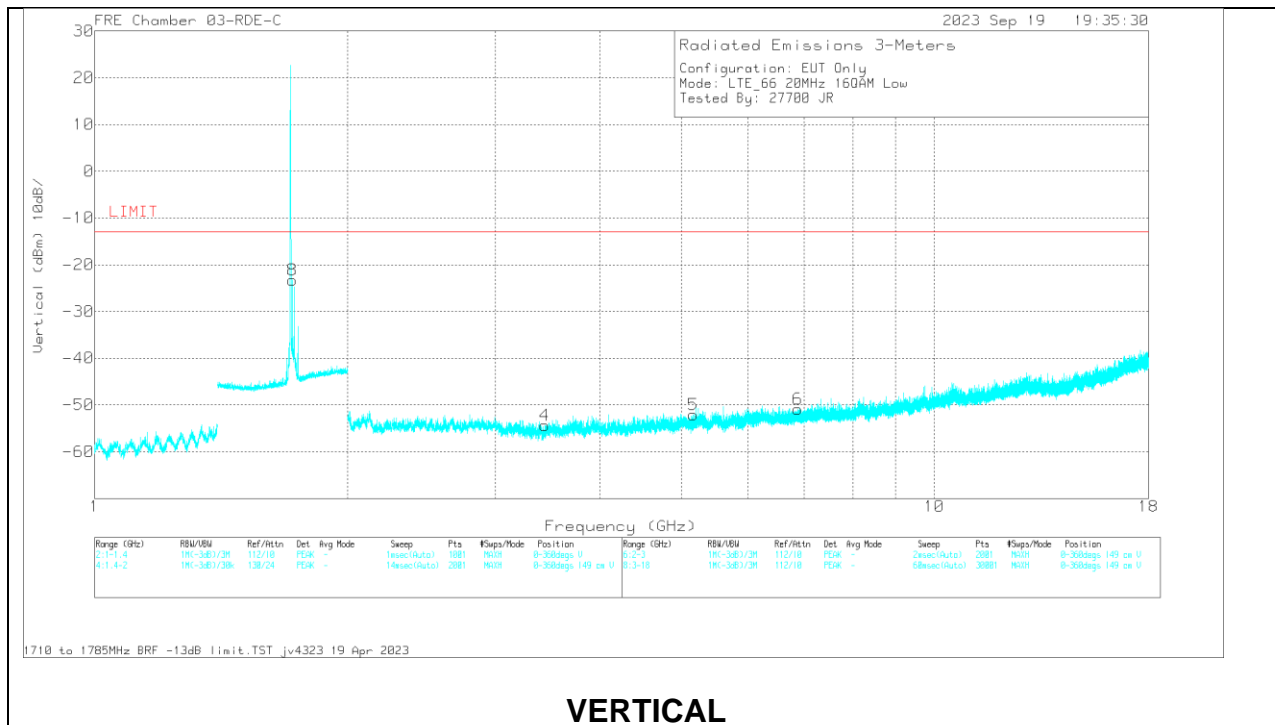
Pk - Peak detector

**16QAM LTE BAND 66 (20.0MHZ BANDWIDTH)**

**LOW CHANNEL RESULTS**

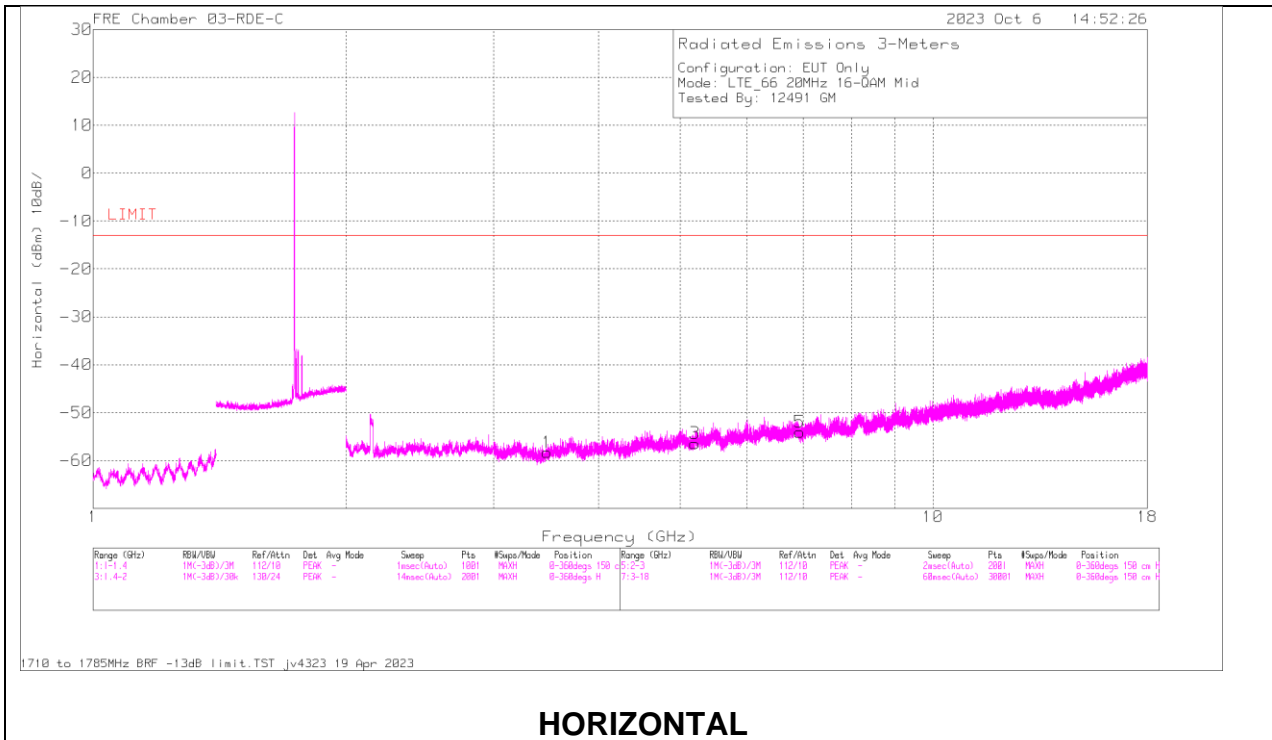


**HORIZONTAL**

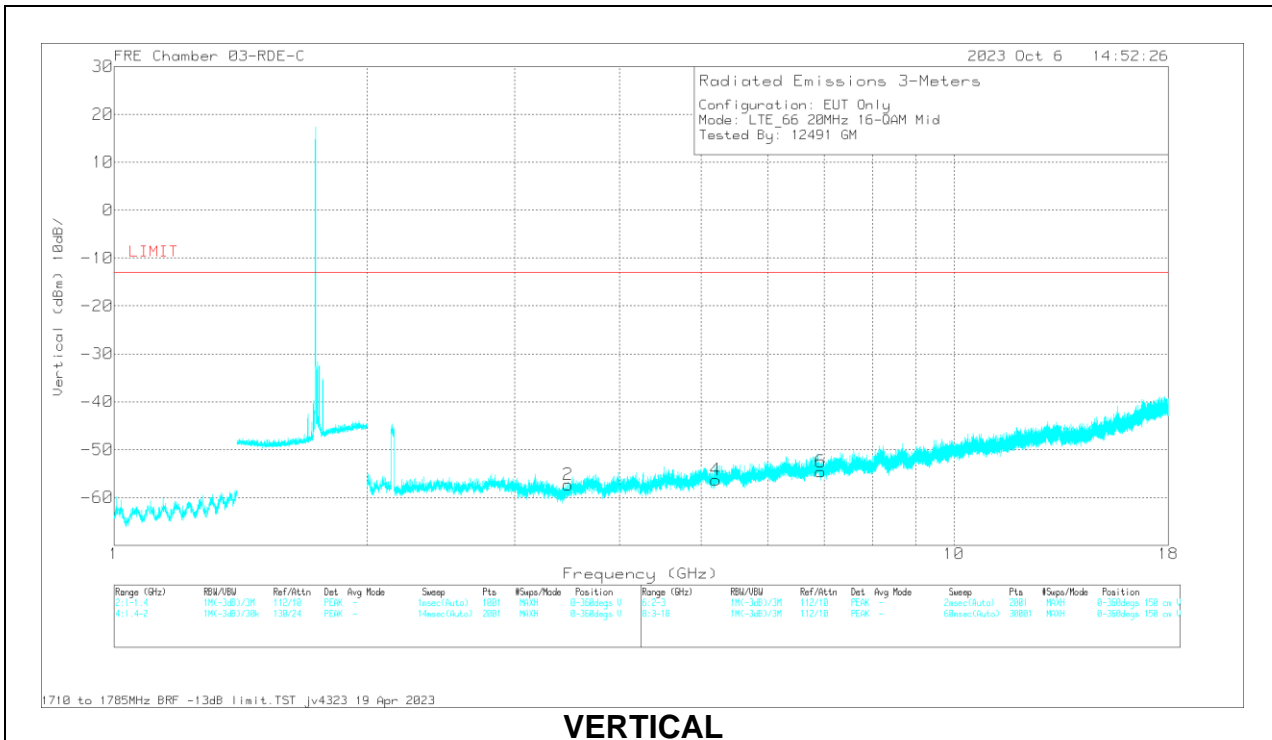


**VERTICAL**

### MID CHANNEL RESULTS

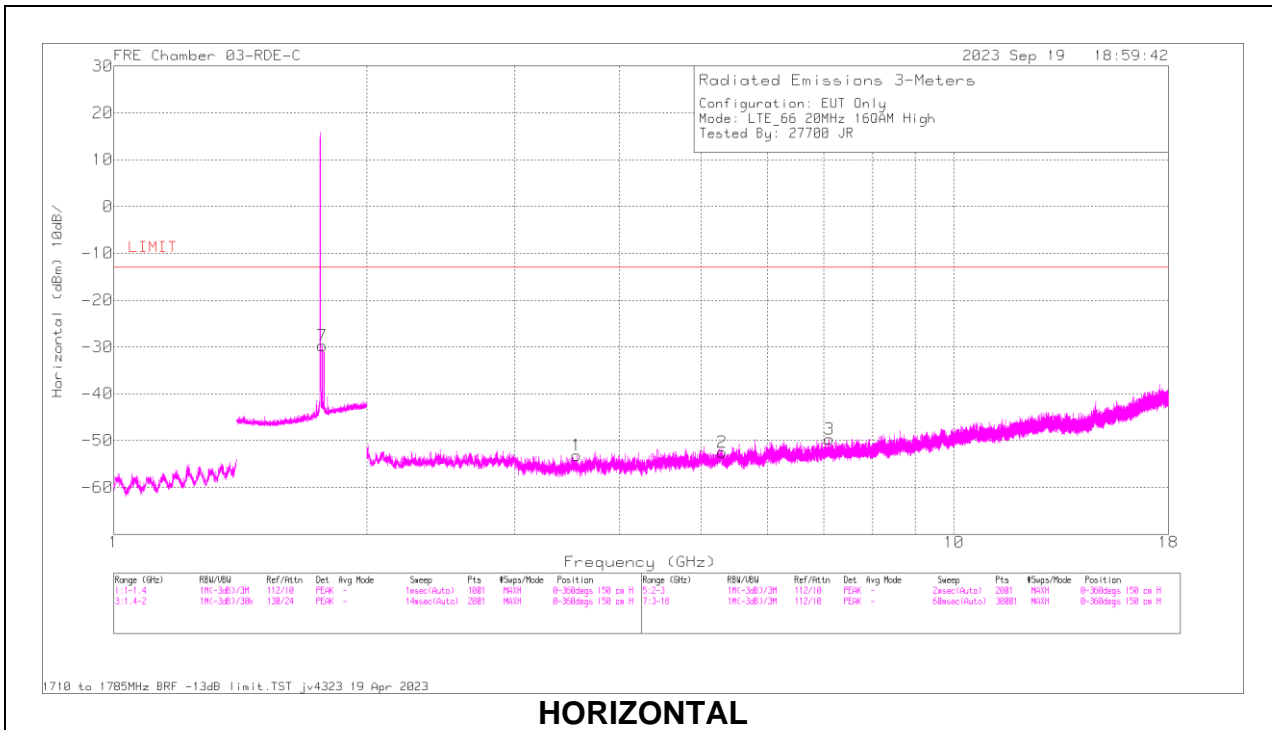


### HORIZONTAL

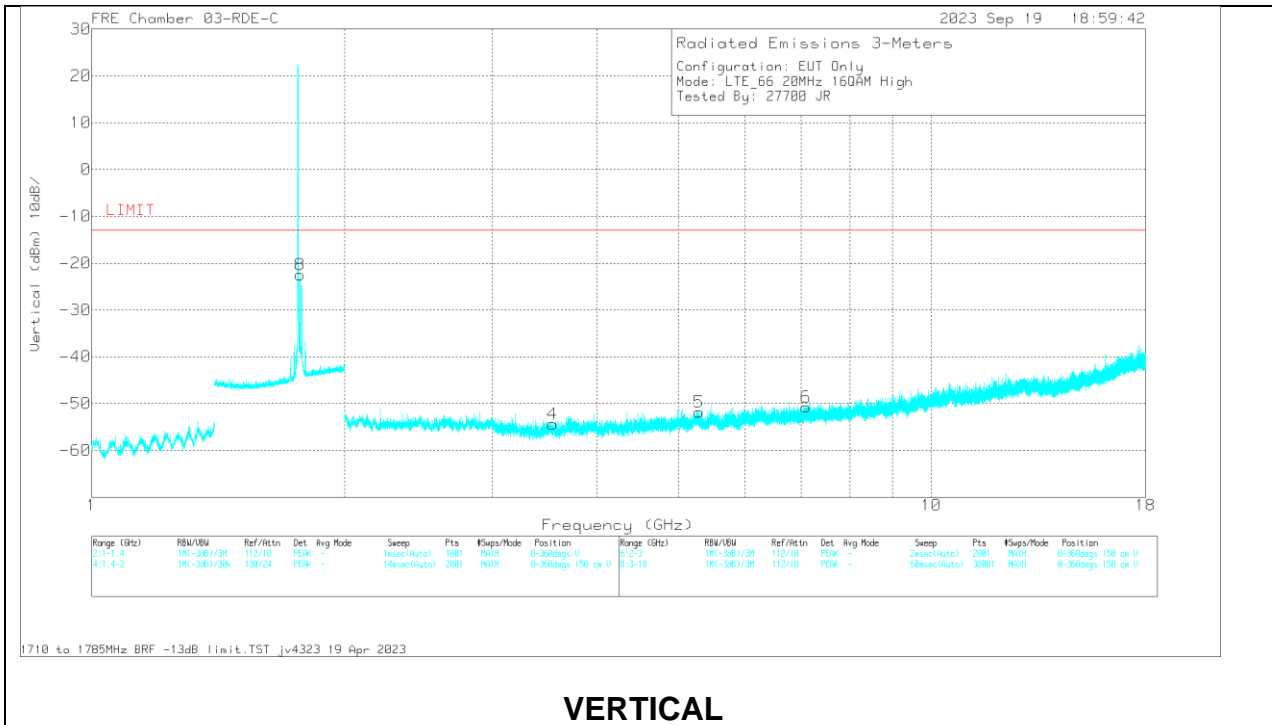


### VERTICAL

### HIGH CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**



**Trace Markers**

Marker	Frequency (GHz)	Meter Reading & (dBuV)	Det	226672 ACF (dB) 3mH	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1720 MHz												
1	3.438735	57.37	Pk	32.7	-95.2	-45.93	-51.06	-13	-38.06	73	132	H
4	3.437041	56.25	Pk	32.7	-95.2	-45.90	-52.15	-13	-39.15	241	184	V
5	5.165557	57.96	Pk	34.4	-95.2	-47.36	-50.20	-13	-37.20	115	109	H
2	5.165842	58.06	Pk	34.4	-95.2	-47.38	-50.12	-13	-37.12	162	221	V
3	6.899071	56.82	Pk	35.7	-95.2	-46.00	-48.68	-13	-35.68	199	241	H
6	6.888705	56.63	Pk	35.7	-95.2	-46.07	-48.94	-13	-35.94	224	233	V
1745 MHz												
1	3.471312	54.01	Pk	32.7	-95.2	-46.06	-54.55	-13	-41.55	171	321	H
2	3.469258	53.01	Pk	32.7	-95.2	-45.97	-55.46	-13	-42.46	251	132	V
3	5.203312	54.66	Pk	34.4	-95.2	-47.1	-53.24	-13	-40.24	236	195	H
4	5.204384	55.32	Pk	34.4	-95.2	-47.1	-52.58	-13	-39.58	216	165	V
5	6.938208	54.34	Pk	35.7	-95.2	-46.3	-51.46	-13	-38.46	114	131	H
6	6.941755	54.98	Pk	35.7	-95.2	-46.2	-50.72	-13	-37.72	300	101	V
1770 MHz												
1	* 3.561585	56.68	Pk	32.9	-95.2	-45.96	-51.58	-13	-38.58	0	143	H
4	* 3.546373	56.64	Pk	32.9	-95.2	-46.00	-51.66	-13	-38.66	219	229	V
2	5.301520	57.52	Pk	34.5	-95.2	-46.80	-49.98	-13	-36.98	86	116	H
5	5.292237	58.22	Pk	34.5	-95.2	-46.80	-49.28	-13	-36.28	196	123	V
3	7.103600	57.76	Pk	35.7	-95.2	-45.94	-47.68	-13	-34.68	117	184	H
6	7.094755	56.77	Pk	35.7	-95.2	-45.88	-48.61	-13	-35.61	119	183	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector

## 11. SETUP PHOTOS

Please refer to 14938215 – E10V1 for setup photos.

**END OF REPORT**