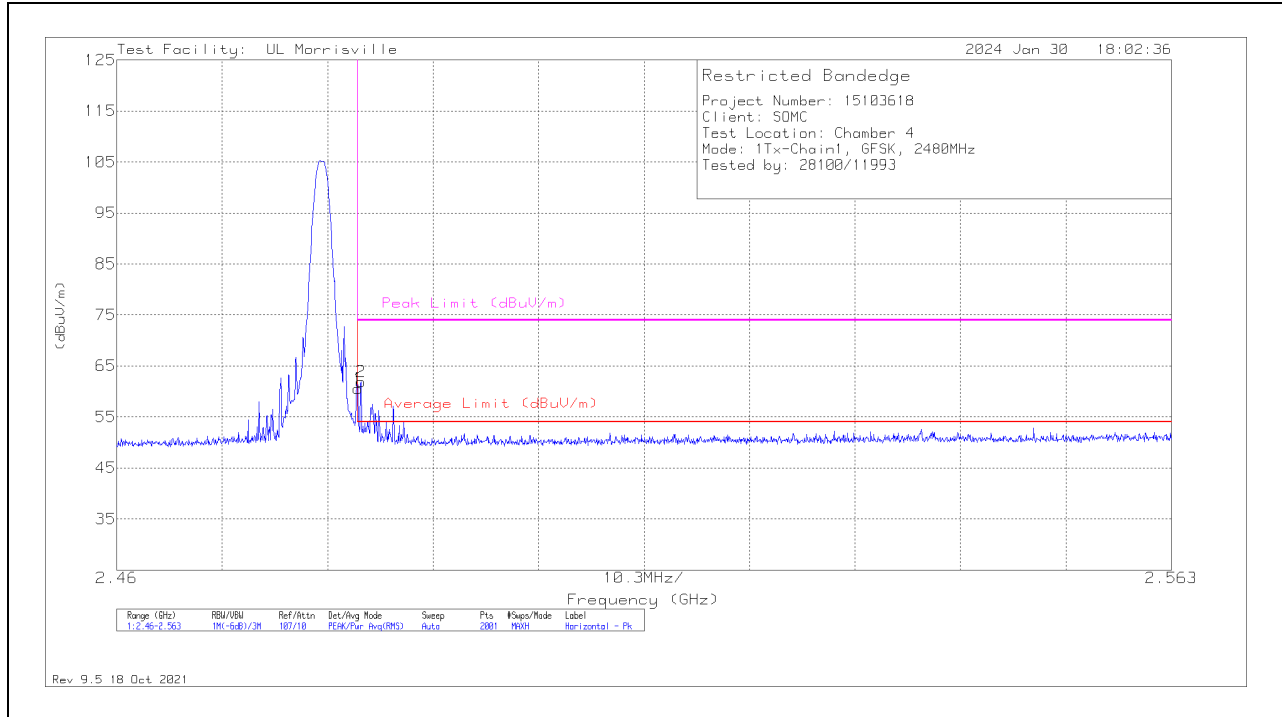


**BANDEDGE (HIGH CHANNEL)**

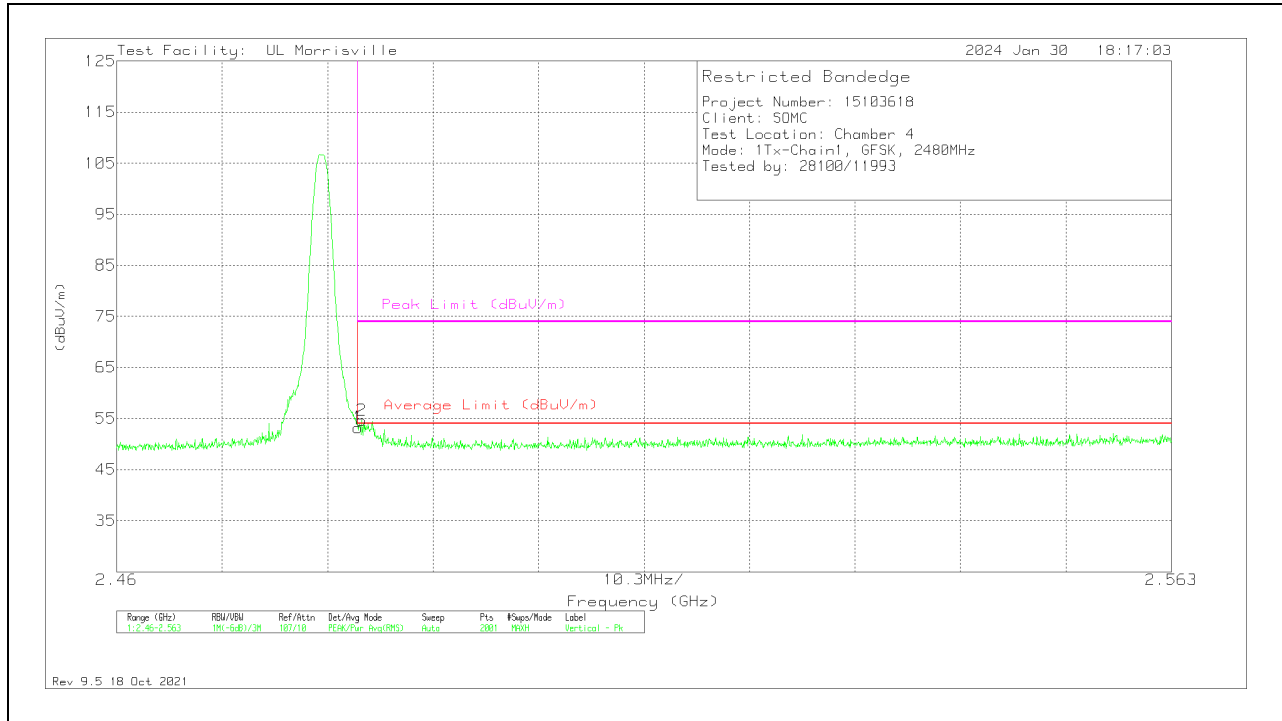
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.48354	41.14	Pk	32.3	-12.9	0	60.54	-	-	74	-13.46	119	101	H
	* ** 2.48354	41.14	Pk	32.3	-12.9	-24	36.54	54	-17.46	-	-	119	101	H
2	* ** 2.48384	42.5	Pk	32.3	-12.9	0	61.9	-	-	74	-12.1	119	101	H
	* ** 2.48384	42.5	Pk	32.3	-12.9	-24	37.9	54	-16.1	-	-	119	101	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 \*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band  
 Pk - Peak detector

### VERTICAL RESULT

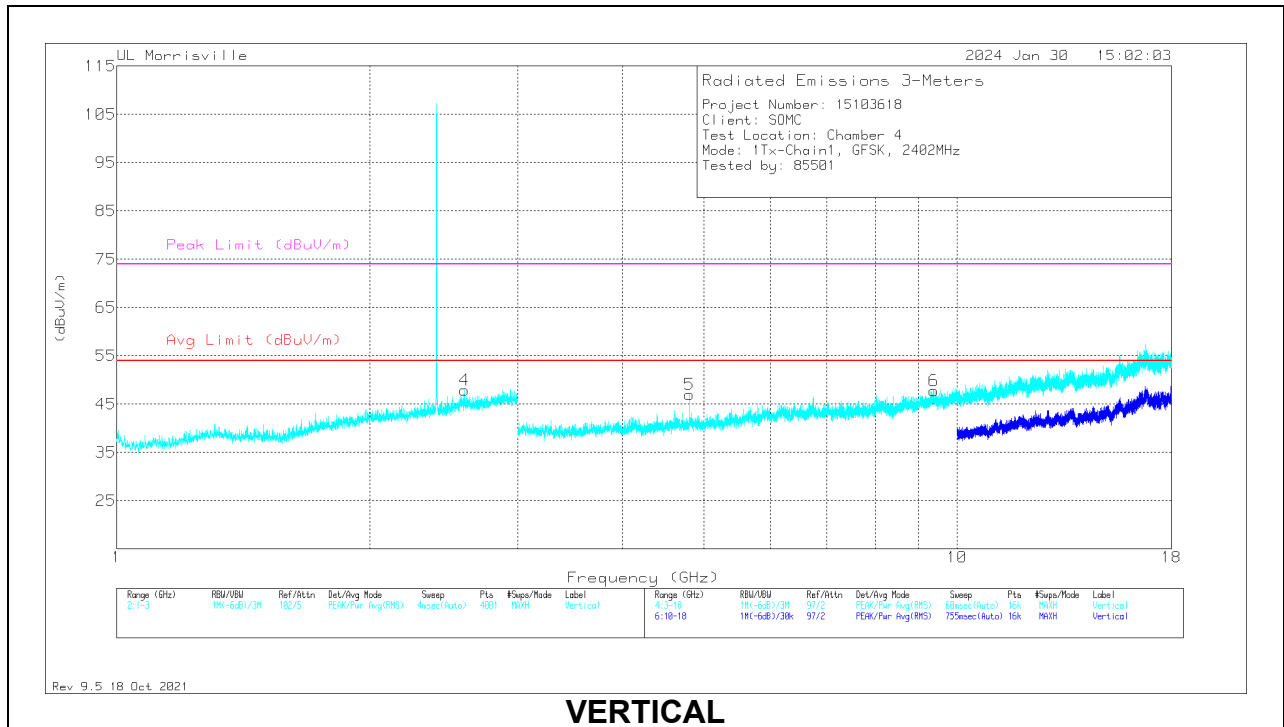
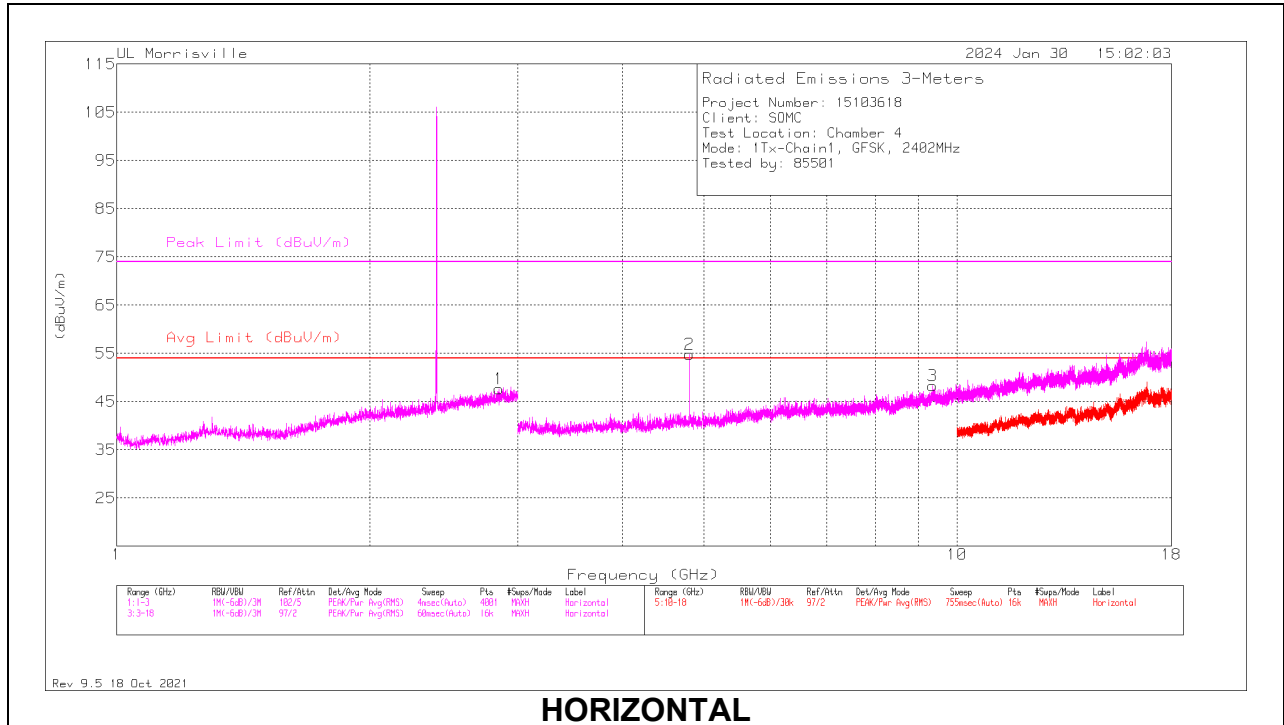


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.48354	33.85	Pk	32.3	-12.9	0	53.25	-	-	74	-20.75	214	346	V
	*** 2.48354	33.85	Pk	32.3	-12.9	-24	29.25	54	-24.75	-	-	214	346	V
2	*** 2.4839	35.22	Pk	32.3	-12.9	0	54.62	-	-	74	-19.38	214	346	V
	*** 2.4839	35.22	Pk	32.3	-12.9	-24	30.62	54	-23.38	-	-	214	346	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 \*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band  
 Pk - Peak detector

# HARMONICS AND SPURIOUS EMISSIONS

## LOW CHANNEL RESULTS



**RADIATED EMISSIONS**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.8525	27.59	Pk	32.4	-12.4	0	47.59	54	-6.41	74	-26.41	0-360	100	H
4	** 2.5915	28.09	Pk	32.5	-12.7	0	47.89	54	-6.11	74	-26.11	0-360	200	V
2	*** 4.80375	53.6	PK2	34.1	-31.7	0	56	-	-	74	-18	237	106	H
	*** 4.80375	53.6	PK2	34.1	-31.7	-24	32	54	-22	-	-	237	106	H
3	*** 9.36083	37.29	PK2	36.5	-24.7	0	49.09	-	-	74	-24.91	16	369	H
	*** 9.36083	37.29	PK2	36.5	-24.7	-24	25.09	54	-28.91	-	-	16	369	H
5	*** 4.80375	44.56	Pk	34.1	-31.7	0	46.96	54	-7.04	74	-27.04	0-360	200	V
6	*** 9.39	36.73	Pk	36.6	-25.6	0	47.73	54	-6.27	74	-26.27	0-360	200	V

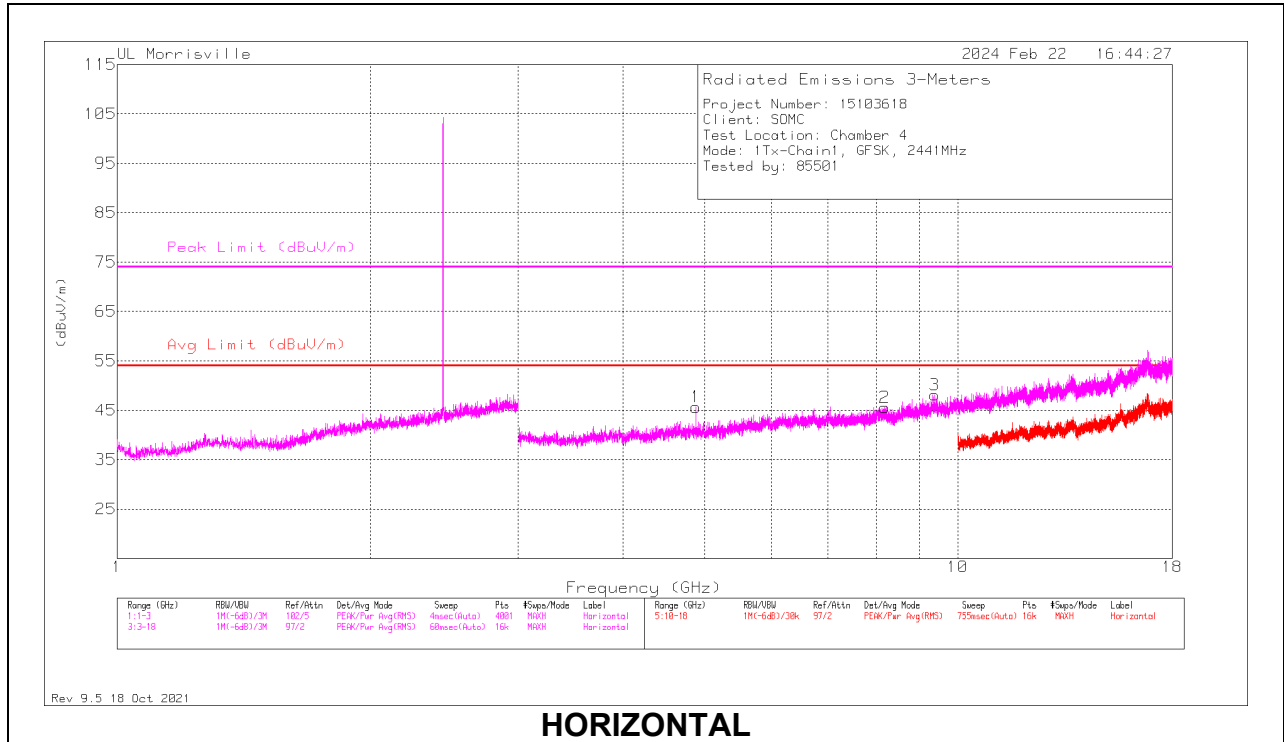
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

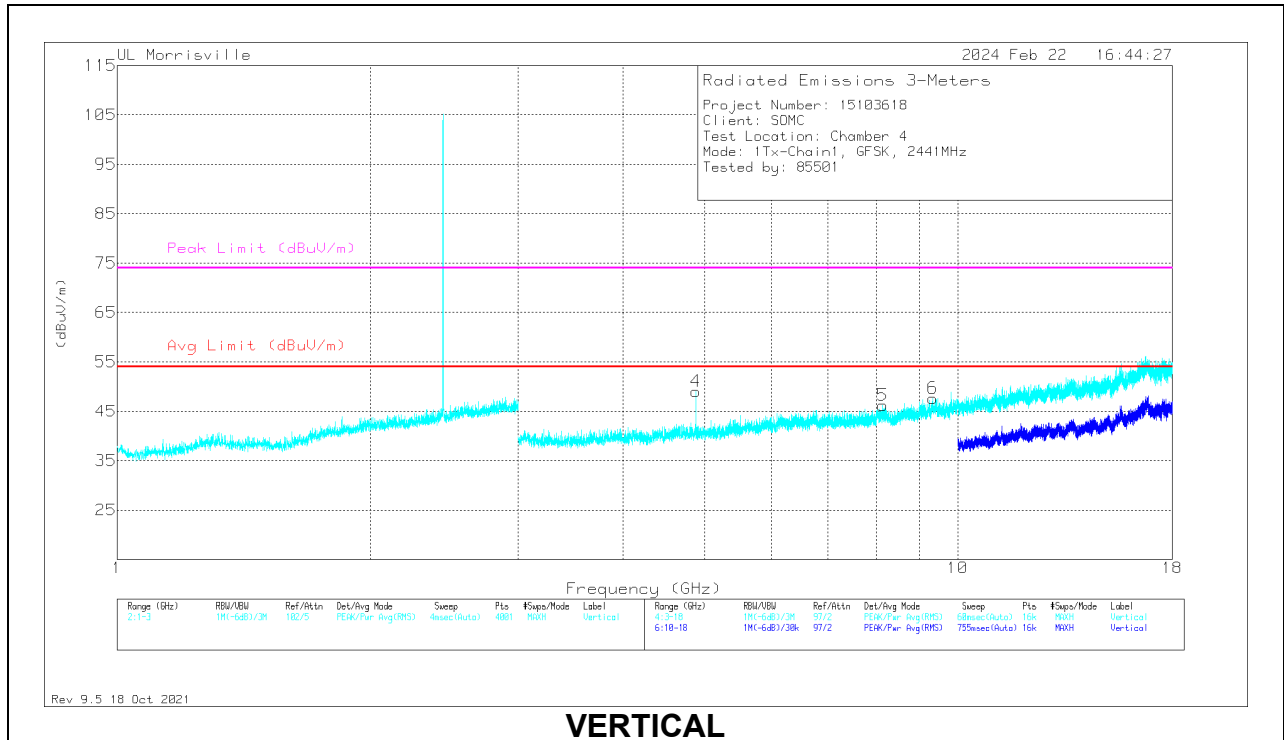
Pk - Peak detector

PK2 - Maximum Peak

### MID CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 4.88156	43.05	Pk	34	-31.4	0	45.65	54	-8.35	74	-28.35	0-360	100	H
2	*** 8.18625	36.76	Pk	35.8	-27	0	45.56	54	-8.44	74	-28.44	0-360	100	H
3	*** 9.3834	37.08	PK2	36.6	-25	0	48.68	-	-	74	-25.32	99	373	H
	*** 9.3834	37.08	PK2	36.6	-25	-24	24.68	54	-29.32	-	-	99	373	H
4	*** 4.88198	49.75	PK2	34	-31.4	0	52.35	-	-	74	-21.65	262	215	V
	*** 4.88198	49.75	PK2	34	-31.4	-24	28.35	54	-25.65	-	-	262	215	V
5	*** 8.14406	37.61	Pk	35.8	-27.2	0	46.21	54	-7.79	74	-27.79	0-360	200	V
6	*** 9.33656	35.95	Pk	36.5	-24.8	0	47.65	54	-6.35	74	-26.35	0-360	200	V

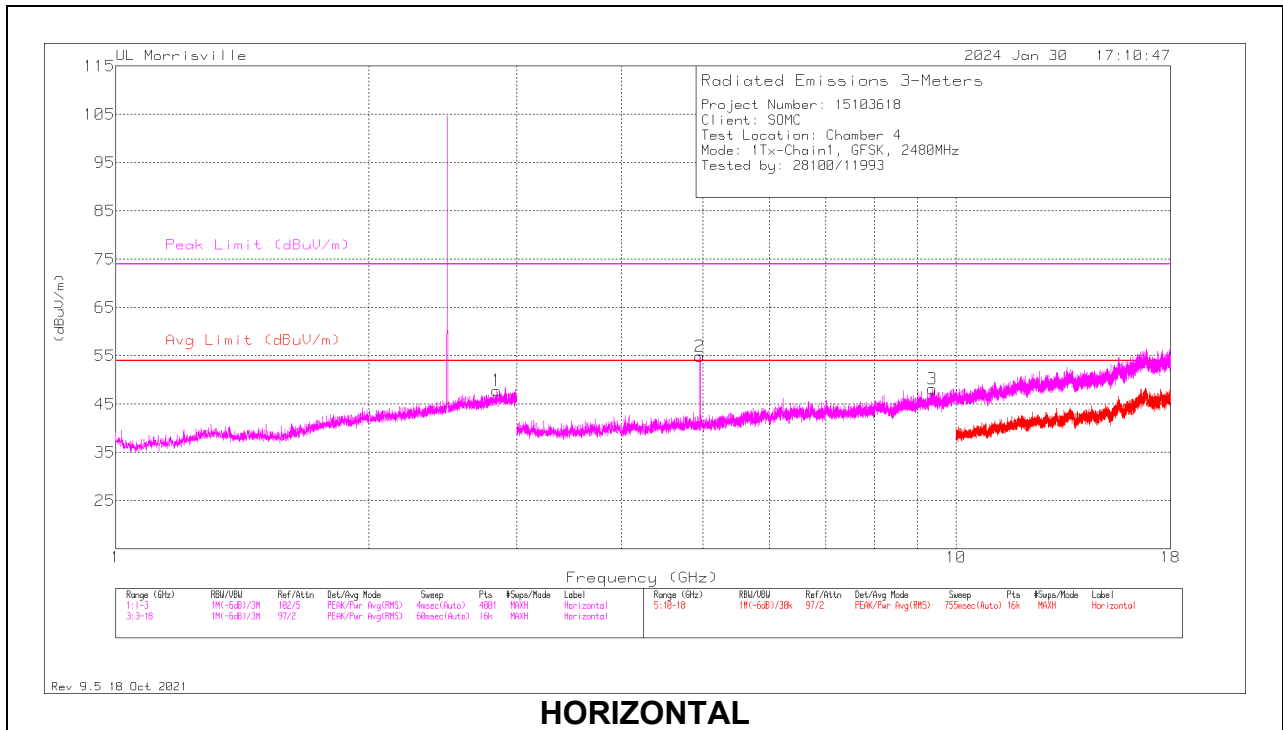
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

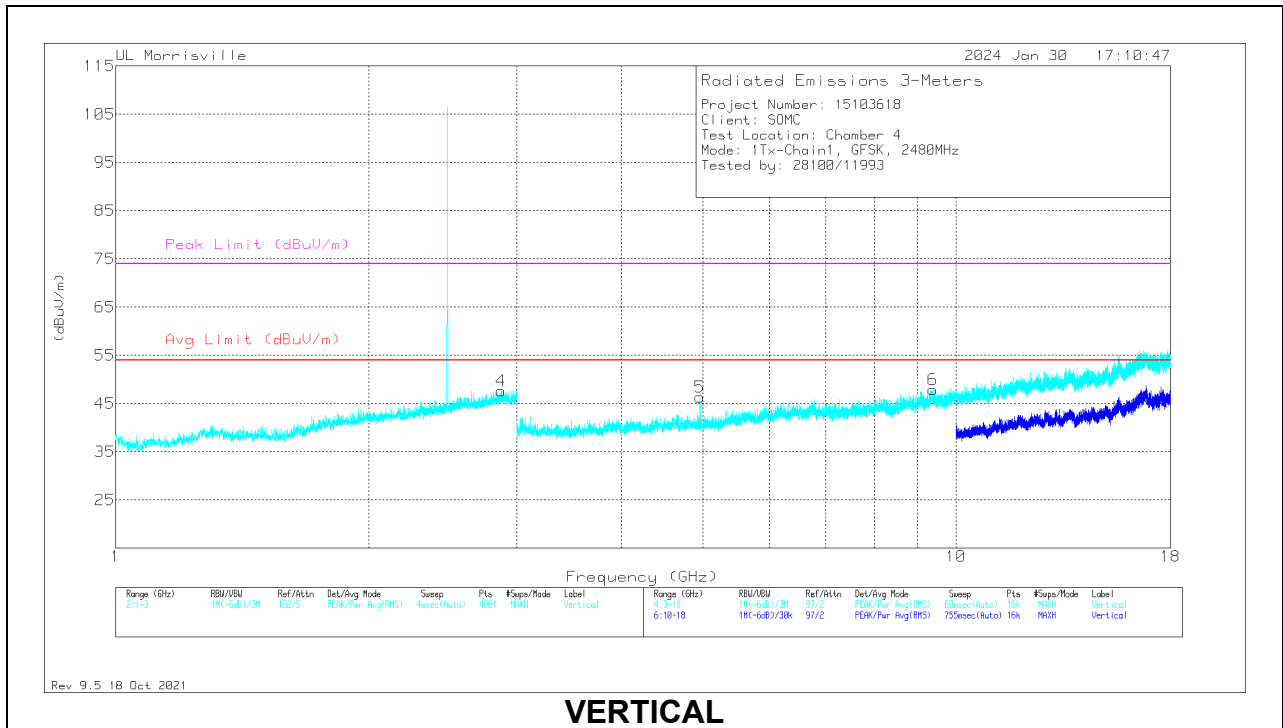
Pk - Peak detector

PK2 - Maximum Peak

### HIGH CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.8395	27.84	Pk	32.3	-12.3	0	47.84	54	-6.16	74	-26.16	0-360	100	H
4	*** 2.877	27.28	Pk	32.4	-12	0	47.68	54	-6.32	74	-26.32	0-360	200	V
2	*** 4.95959	54.5	PK2	33.9	-31.4	0	57	-	-	74	-17	241	115	H
	*** 4.95959	54.5	PK2	33.9	-31.4	-24	33	54	-21	-	-	241	115	H
3	*** 9.3784	38.23	PK2	36.6	-25	0	49.83	-	-	74	-24.17	318	113	H
	*** 9.3784	38.23	PK2	36.6	-25	-24	25.83	54	-28.17	-	-	318	113	H
5	*** 4.95938	43.82	Pk	33.9	-31.4	0	46.32	54	-7.68	74	-27.68	0-360	200	V
6	*** 9.38531	36.38	Pk	36.6	-25.1	0	47.88	54	-6.12	74	-26.12	0-360	200	V

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

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

PK2 - Maximum Peak

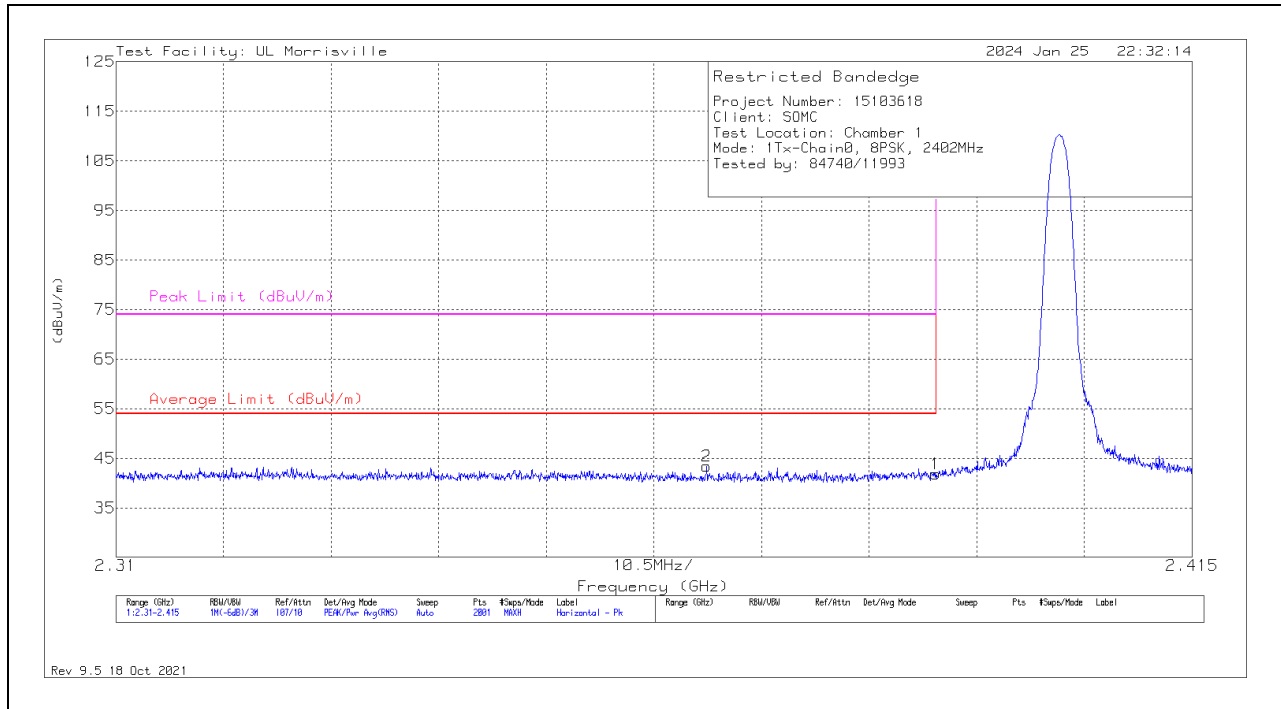


## 10.1.2. BLUETOOTH ENHANCED DATA RATE 8PSK MODULATION

### CHAIN 0

### BANDEDGE (LOW CHANNEL)

### HORIZONTAL RESULT



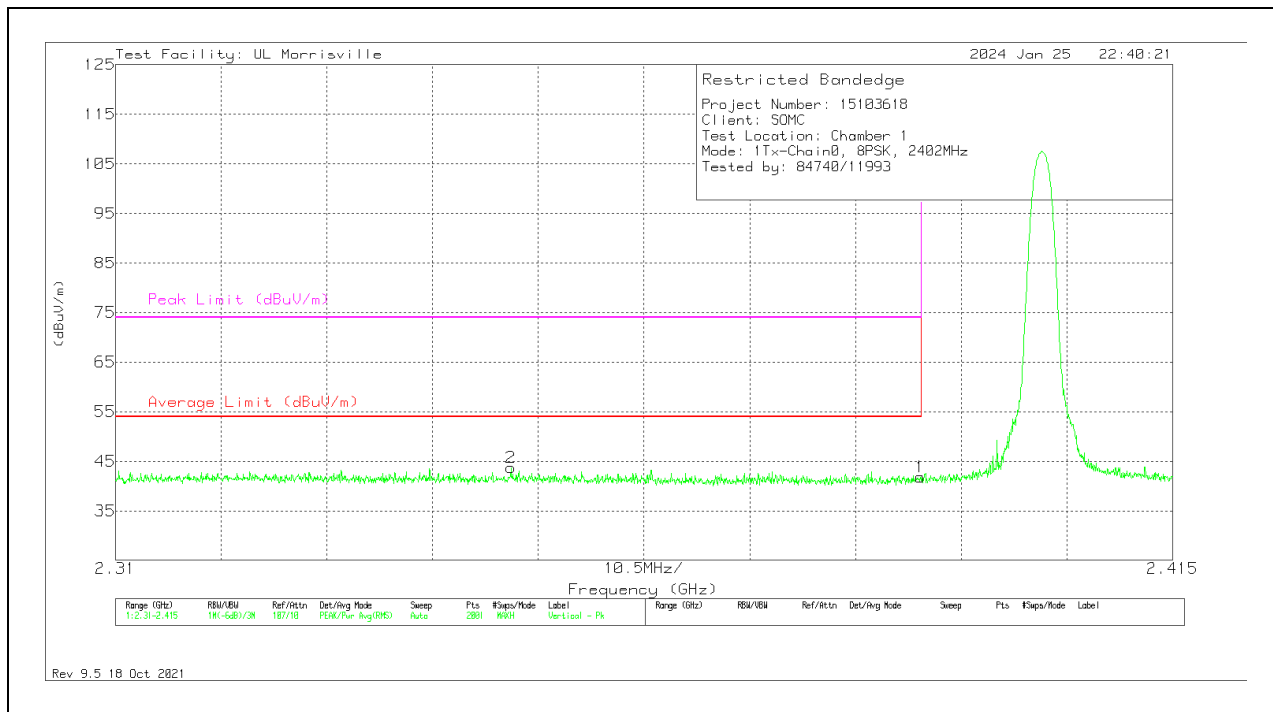
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.38996	33.97	Pk	32.1	-24.2	0	41.87	-	-	74	-32.13	117	228	H
1	*** 2.38996	33.97	Pk	32.1	-24.2	-24	17.87	54	-36.13	-	-	117	228	H
2	*** 2.36765	35.5	Pk	32	-24.1	0	43.4	-	-	74	-30.6	117	228	H
2	*** 2.36765	35.5	Pk	32	-24.1	-24	19.4	54	-34.6	-	-	117	228	H

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

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

### VERTICAL RESULT

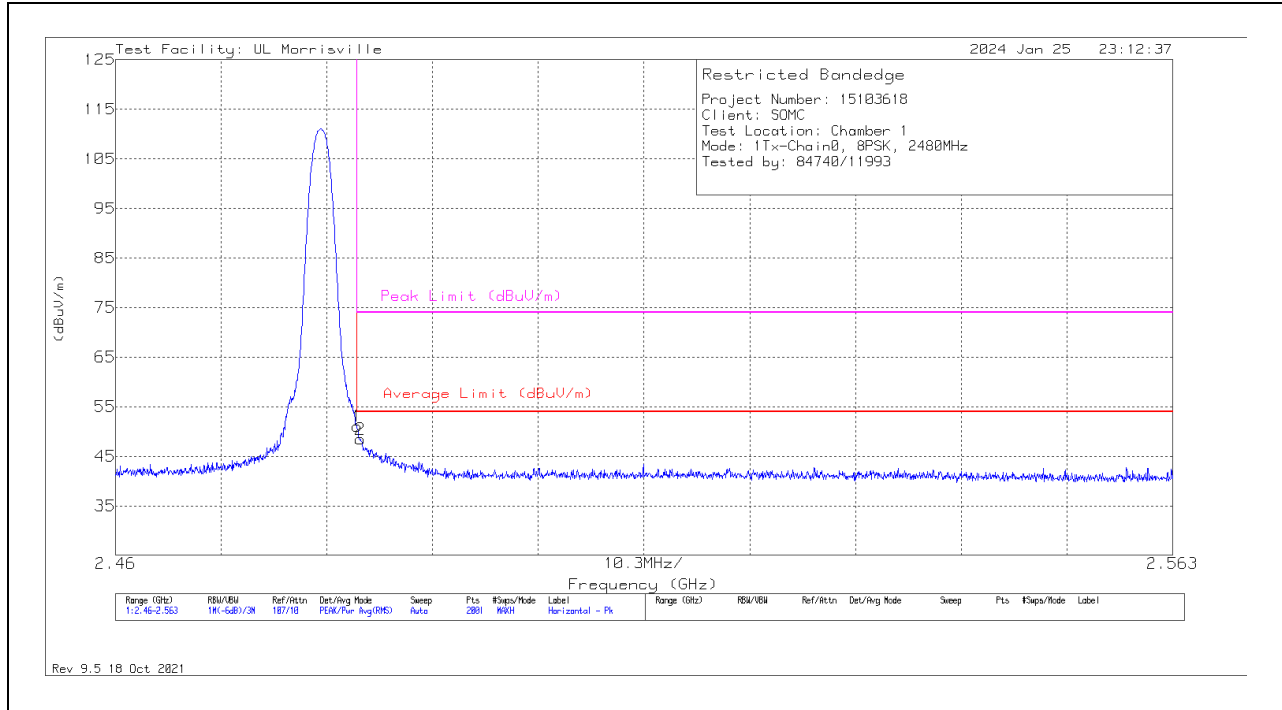


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.38996	33.92	Pk	32.1	-24.2	0	41.82	-	-	74	-32.18	215	204	V
1	*** 2.38996	33.92	Pk	32.1	-24.2	-24	17.82	54	-36.18	-	-	215	204	V
2	** 2.34927	35.74	Pk	32	-24	0	43.74	-	-	74	-30.26	215	204	V
2	** 2.34927	35.74	Pk	32	-24	-24	19.74	54	-34.26	-	-	215	204	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 \*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band  
 Pk - Peak detector

**BANDEDGE (HIGH CHANNEL)**

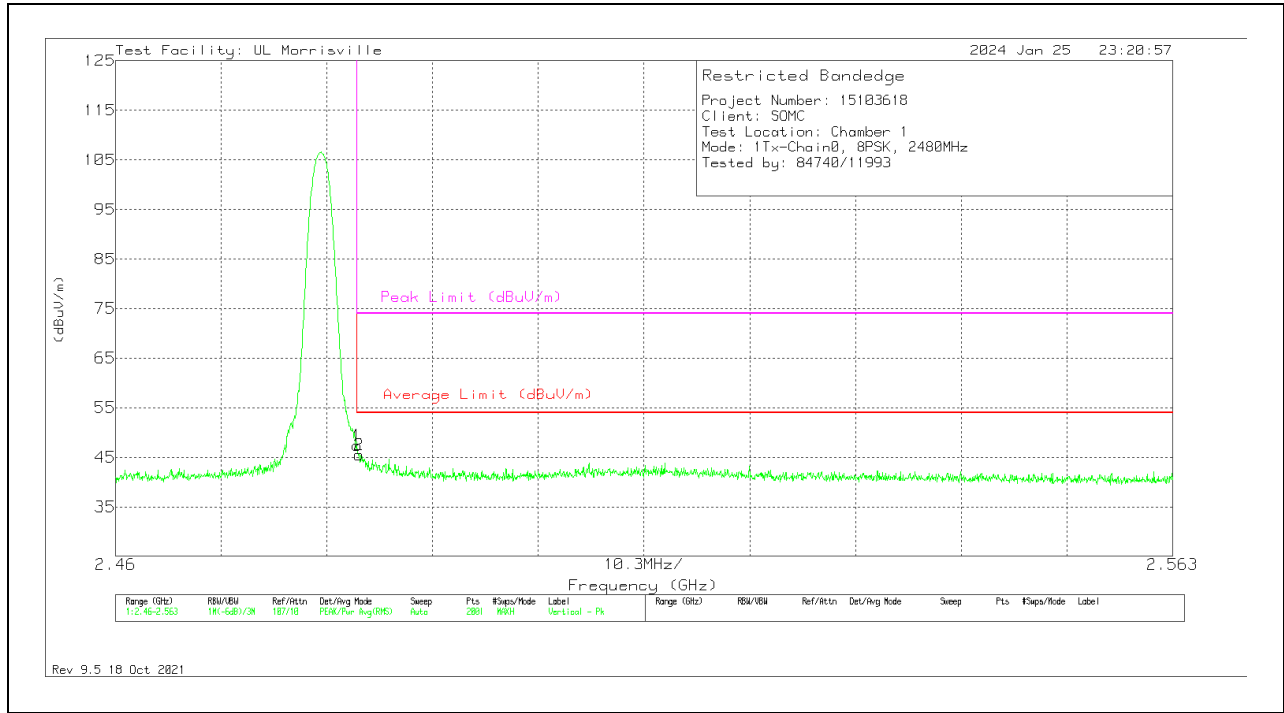
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.48354	43.26	Pk	32.3	-24.5	0	51.06	-	-	74	-22.94	126	218	H
1	*** 2.48354	43.26	Pk	32.3	-24.5	-24	27.06	54	-26.94	-	-	126	218	H
2	*** 2.48384	40.67	Pk	32.3	-24.5	0	48.47	-	-	74	-25.53	126	218	H
2	*** 2.48384	40.67	Pk	32.3	-24.5	-24	24.47	54	-29.53	-	-	126	218	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 \*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band  
 Pk - Peak detector

### VERTICAL RESULT

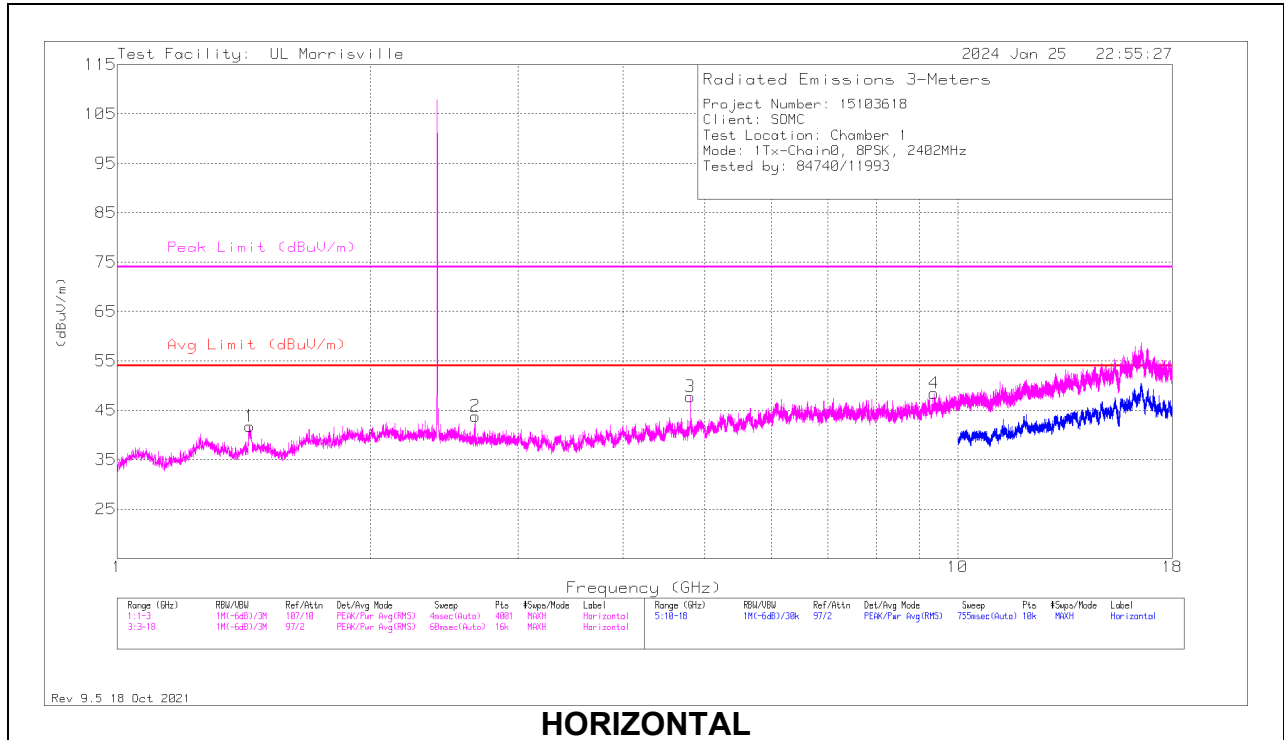


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.48354	39.56	Pk	32.3	-24.5	0	47.36	-	-	74	-26.64	22	236	V
1	*** 2.48354	39.56	Pk	32.3	-24.5	-24	23.36	54	-30.64	-	-	22	236	V
2	*** 2.48374	37.72	Pk	32.3	-24.5	0	45.52	-	-	74	-28.48	22	236	V
2	*** 2.48374	37.72	Pk	32.3	-24.5	-24	21.52	54	-32.48	-	-	22	236	V

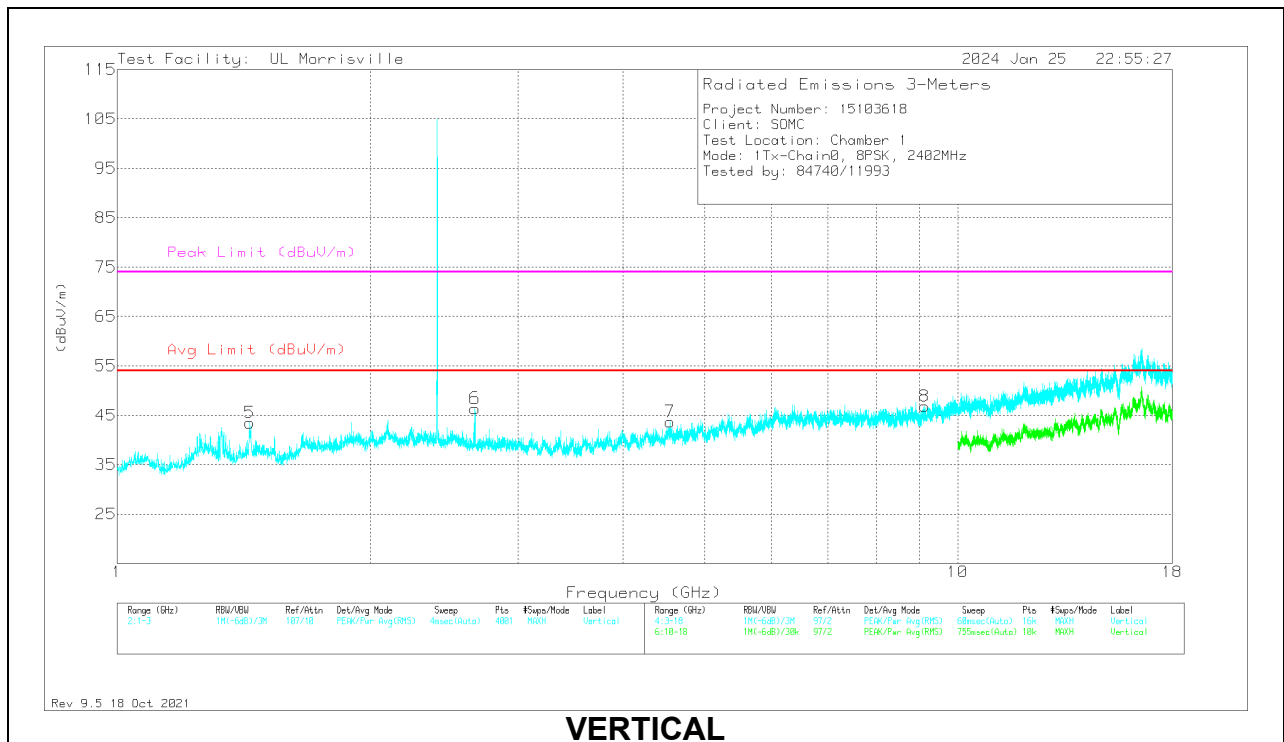
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 \*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band  
 Pk - Peak detector

# HARMONICS AND SPURIOUS EMISSIONS

## LOW CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 1.4375	36.65	Pk	28.2	-23.1	0	41.75	54	-12.25	74	-32.25	0-360	101	H
2	* ** 2.666	37.43	Pk	32	-25.6	0	43.83	54	-10.17	74	-30.17	0-360	199	H
5	* ** 1.4385	38.39	Pk	28.2	-23.1	0	43.49	54	-10.51	74	-30.51	0-360	101	V
6	* ** 2.6645	39.96	Pk	32	-25.6	0	46.36	54	-7.64	74	-27.64	0-360	101	V
3	* ** 4.80281	43.85	Pk	34	-30.1	0	47.75	54	-6.25	74	-26.25	0-360	101	H
4	* ** 9.36604	38.43	PK2	36.3	-25.6	0	49.13	-	-	74	-24.87	321	174	H
4	* ** 9.36604	38.43	PK2	36.3	-25.6	-24	25.13	54	-28.87	-	-	321	174	H
7	* ** 4.54688	40.26	Pk	34.1	-30.7	0	43.66	54	-10.34	74	-30.34	0-360	200	V
8	* ** 9.13406	35.64	Pk	36	-24.8	0	46.84	54	-7.16	74	-27.16	0-360	200	V

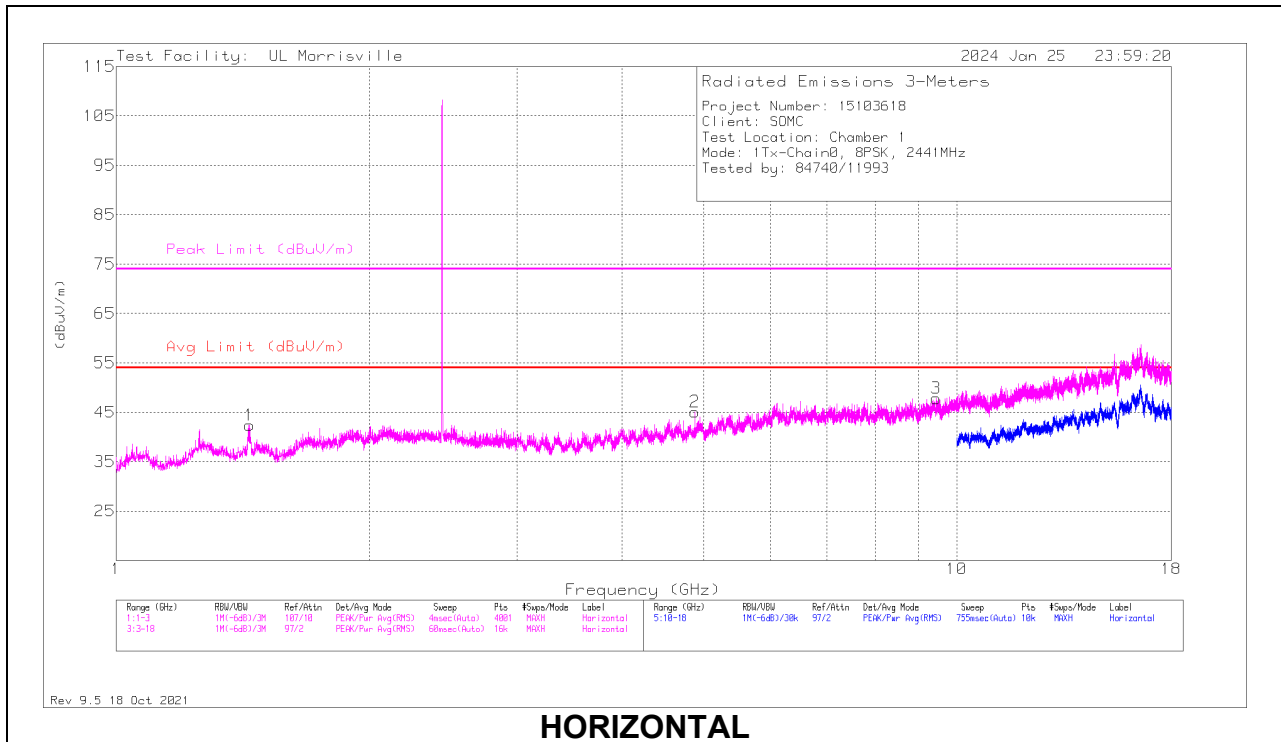
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

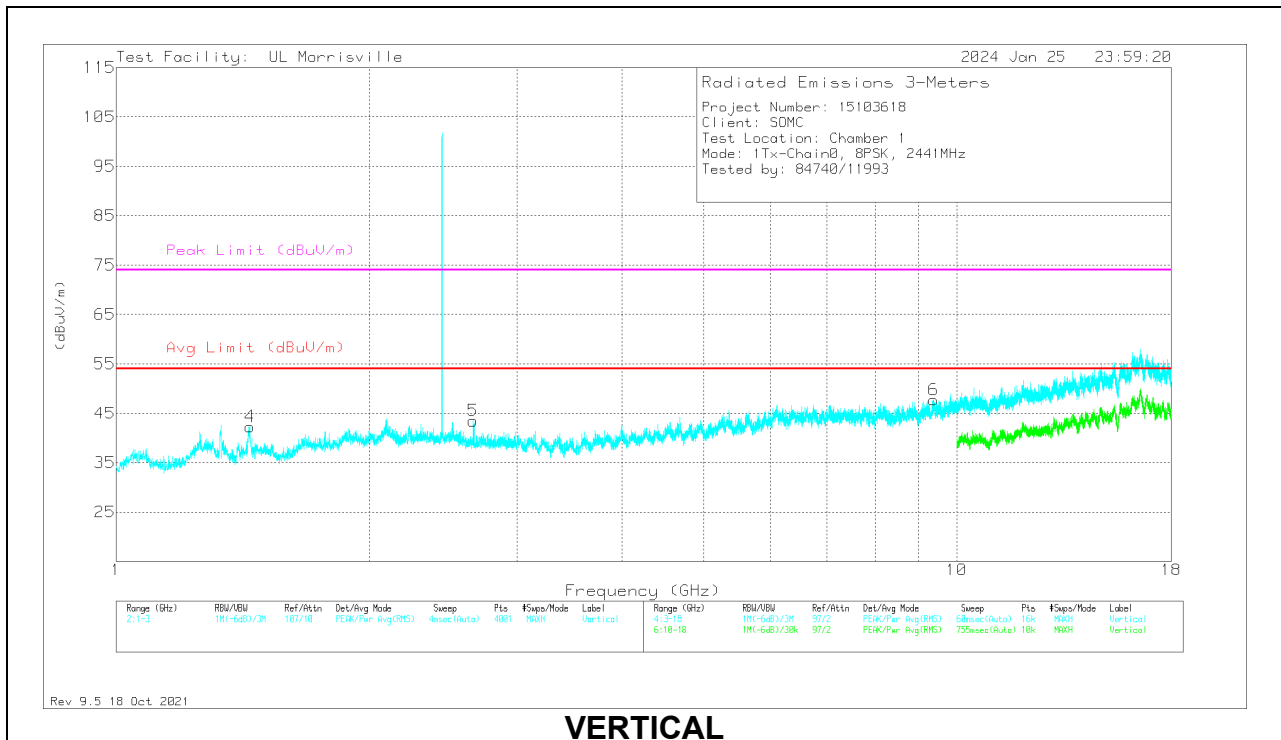
Pk - Peak detector

PK2 - Maximum Peak

### MID CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 1.441	37.26	Pk	28.2	-23.1	42.36	54	-11.64	74	-31.64	0-360	101	H
4	*** 1.442	37.18	Pk	28.2	-23.1	42.28	54	-11.72	74	-31.72	0-360	101	V
5	*** 2.6585	36.99	Pk	32	-25.5	43.49	54	-10.51	74	-30.51	0-360	101	V
2	*** 4.88156	41.36	Pk	34	-30.3	45.06	54	-8.94	74	-28.94	0-360	199	H
3	*** 9.4575	36.51	Pk	36.5	-25.2	47.81	54	-6.19	74	-26.19	0-360	199	H
6	*** 9.38906	37.02	Pk	36.4	-25.7	47.72	54	-6.28	74	-26.28	0-360	101	V

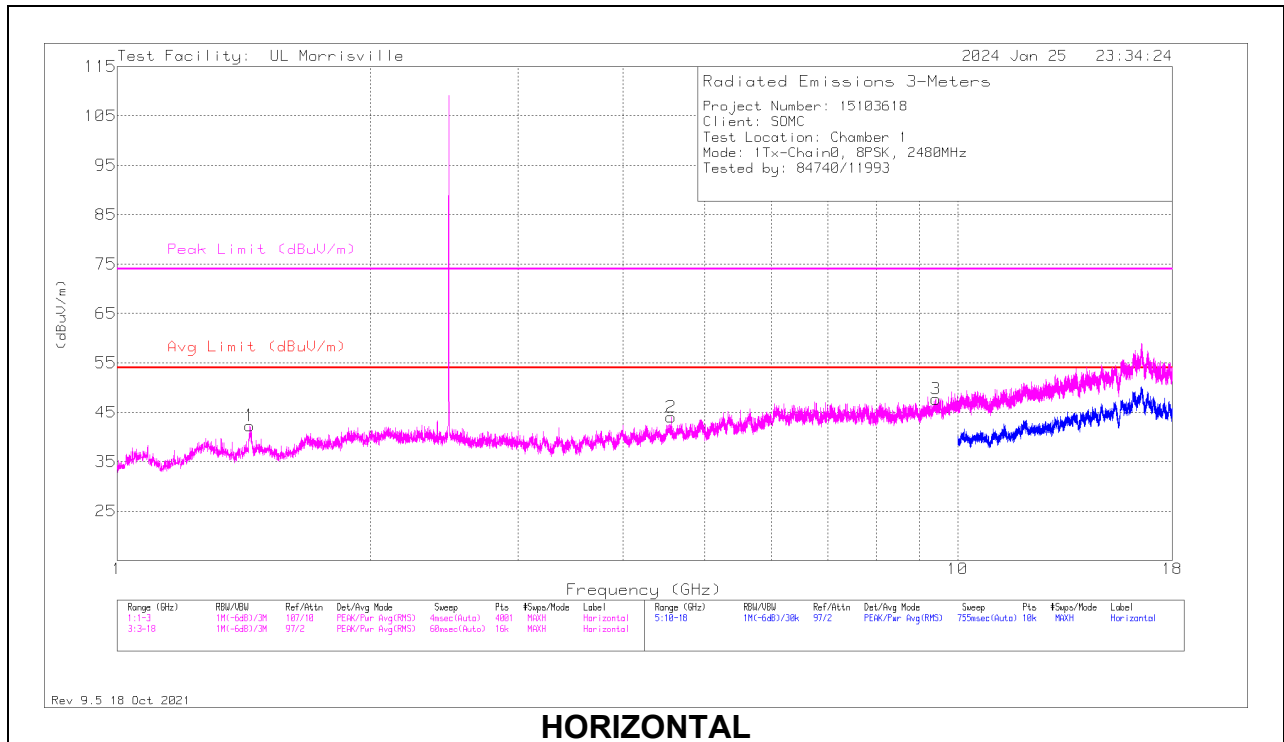
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

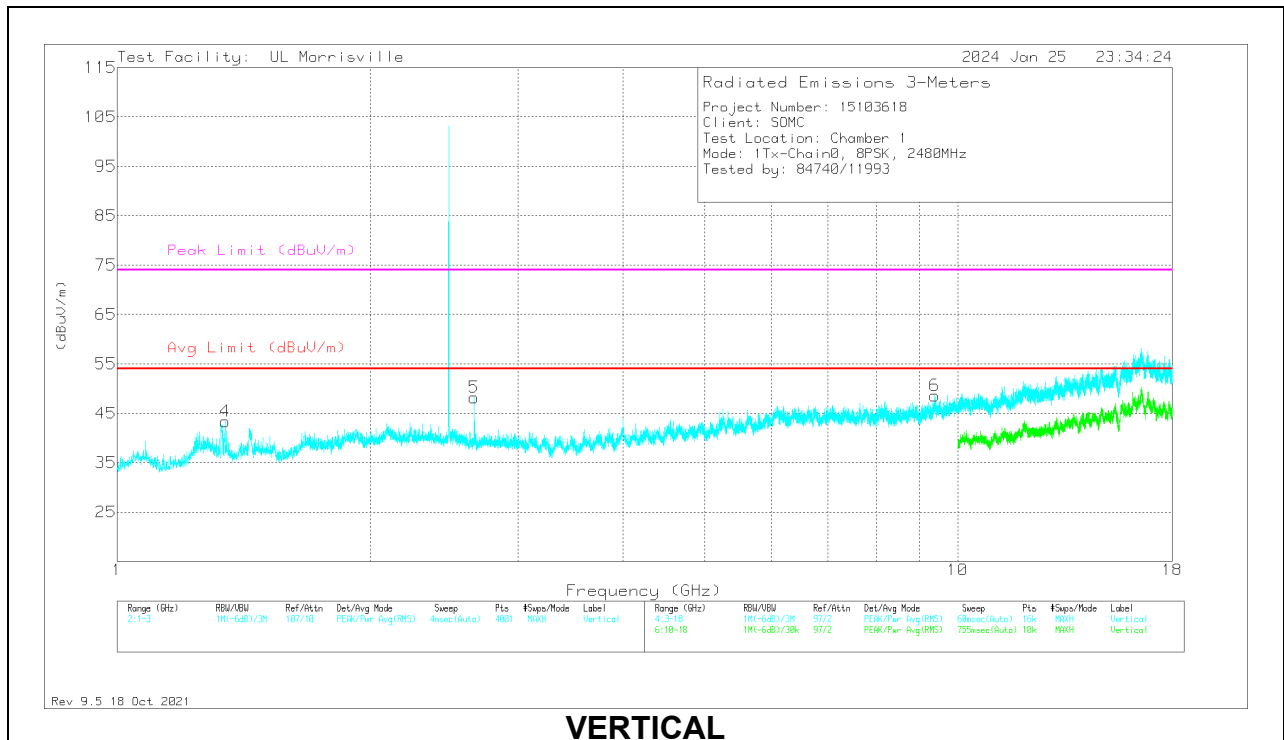
Pk - Peak detector



### HIGH CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 1.4385	37.2	Pk	28.2	-23.1	0	42.3	54	-11.7	74	-31.7	0-360	101	H
4	* ** 1.344	37.94	Pk	28.9	-23.5	0	43.34	54	-10.66	74	-30.66	0-360	200	V
5	* ** 2.65967	48.63	PK2	32	-25.5	0	55.13	-	-	74	-18.87	249	117	V
5	* ** 2.65967	48.63	PK2	32	-25.5	-24	31.13	54	-22.87	-	-	249	117	V
2	* ** 4.56	40.94	Pk	34.1	-31	0	44.04	54	-9.96	74	-29.96	0-360	101	H
3	* ** 9.42281	36.79	Pk	36.4	-25.5	0	47.69	54	-6.31	74	-26.31	0-360	101	H
6	* ** 9.38973	38.72	PK2	36.4	-25.7	0	49.42	-	-	74	-24.58	300	223	V
6	* ** 9.38973	38.72	PK2	36.4	-25.7	-24	25.42	54	-28.58	-	-	300	223	V

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

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

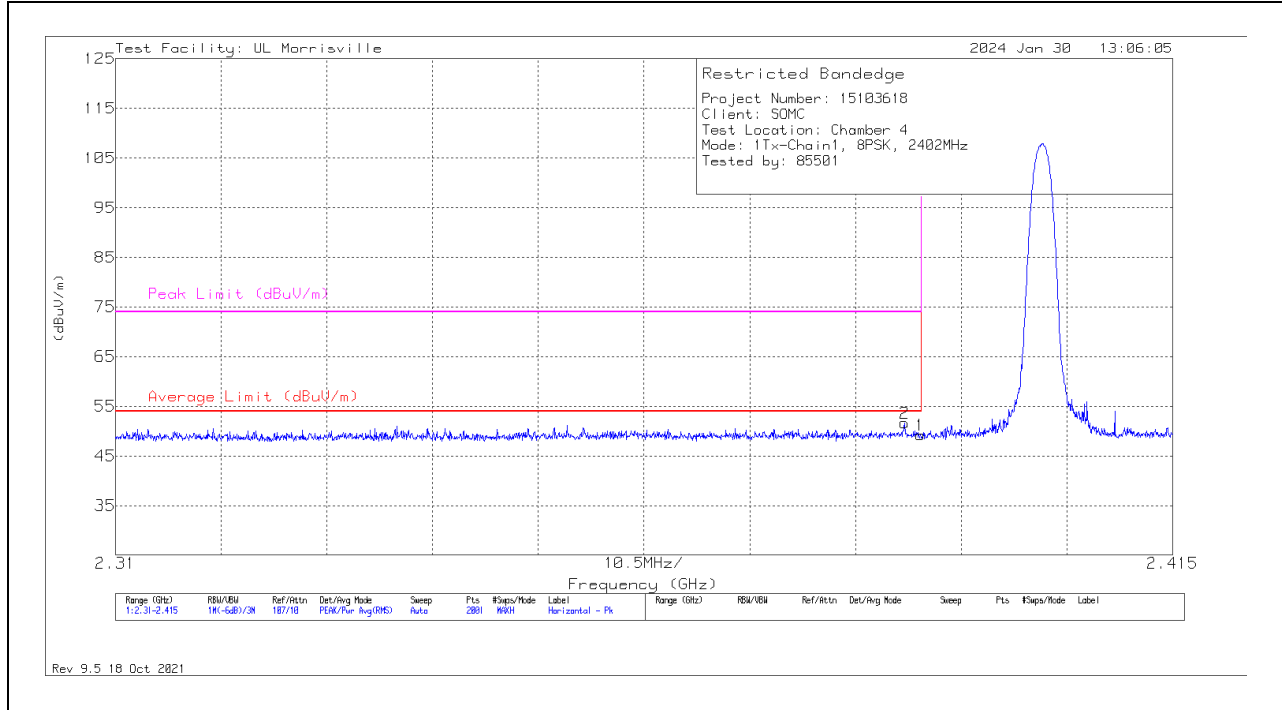
Pk - Peak detector

PK2 - Maximum Peak

**CHAIN 1**

**BANDEDGE (LOW CHANNEL)**

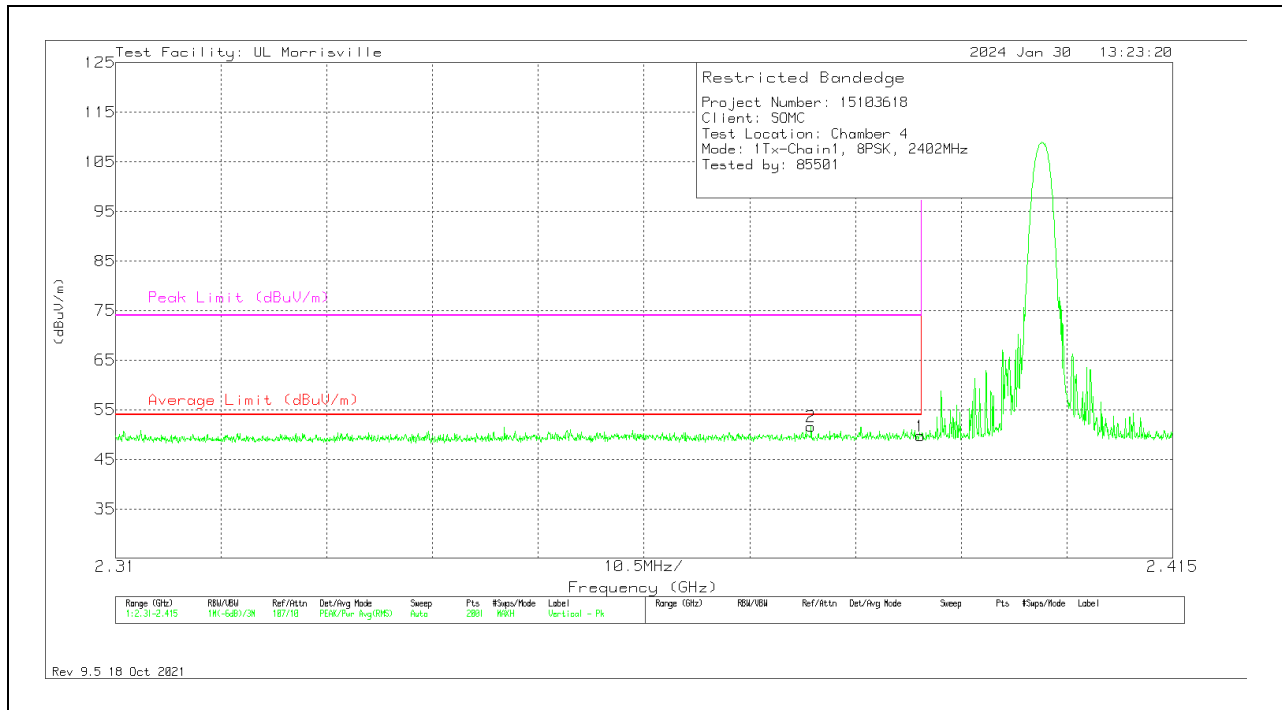
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.38996	30.4	Pk	32	-13.2	0	49.2	-	-	74	-24.8	123	112	H
1	* ** 2.38996	30.4	Pk	32	-13.2	-24	25.2	54	-28.8	-	-	123	112	H
2	* ** 2.38838	32.84	Pk	32	-13.2	0	51.64	-	-	74	-22.36	123	112	H
2	* ** 2.38838	32.84	Pk	32	-13.2	-24	27.64	54	-26.36	-	-	123	112	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 \*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band  
 Pk - Peak detector

### VERTICAL RESULT

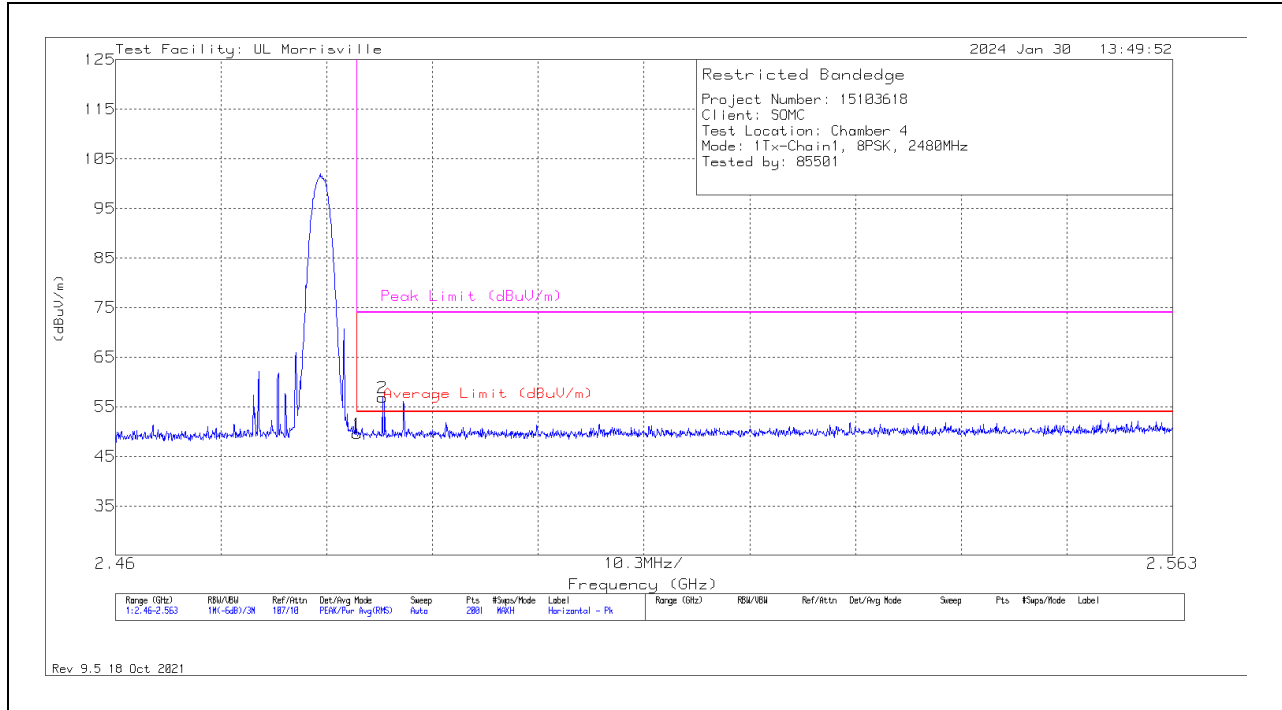


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.38996	30.92	Pk	32	-13.2	0	49.72	-	-	74	-24.28	19	103	V
1	* ** 2.38996	30.92	Pk	32	-13.2	-24	25.72	54	-28.28	-	-	19	103	V
2	* ** 2.37909	32.79	Pk	32	-13.2	0	51.59	-	-	74	-22.41	19	103	V
2	* ** 2.37909	32.79	Pk	32	-13.2	-24	27.59	54	-26.41	-	-	19	103	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 \*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band  
 Pk - Peak detector

**BANDEDGE (HIGH CHANNEL)**

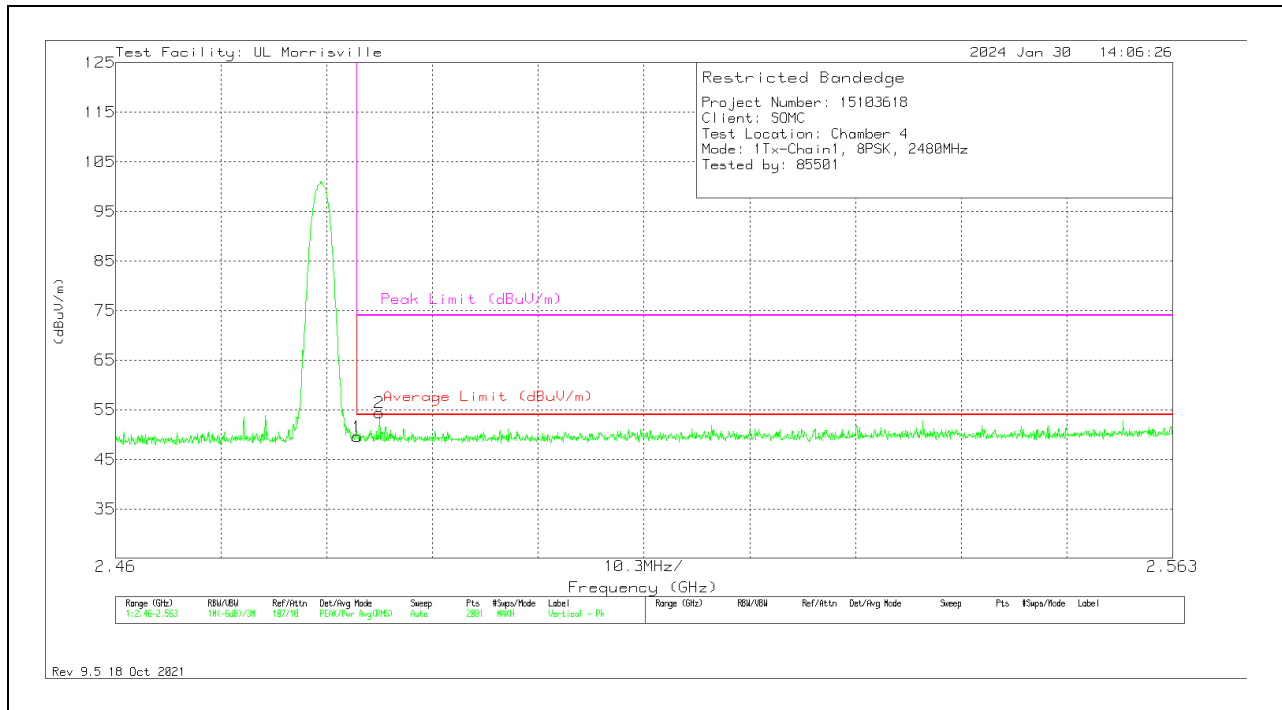
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.48354	30.15	Pk	32.3	-12.9	0	49.55	-	-	74	-24.45	54	141	H
1	* ** 2.48354	30.15	Pk	32.3	-12.9	-24	25.55	54	-28.45	-	-	54	141	H
2	* ** 2.48601	37.45	Pk	32.3	-12.9	0	56.85	-	-	74	-17.15	54	141	H
2	* ** 2.48601	37.45	Pk	32.3	-12.9	-24	32.85	54	-21.15	-	-	54	141	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 \*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band  
 Pk - Peak detector

### VERTICAL RESULT

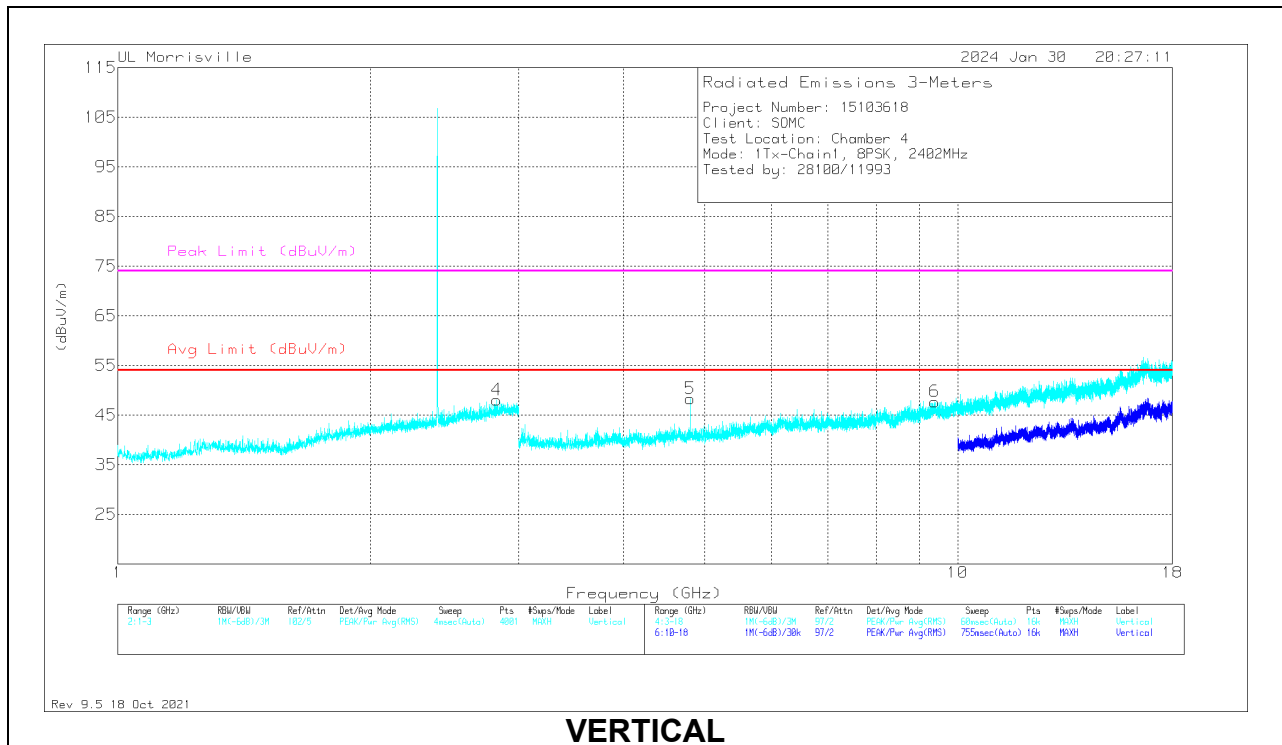
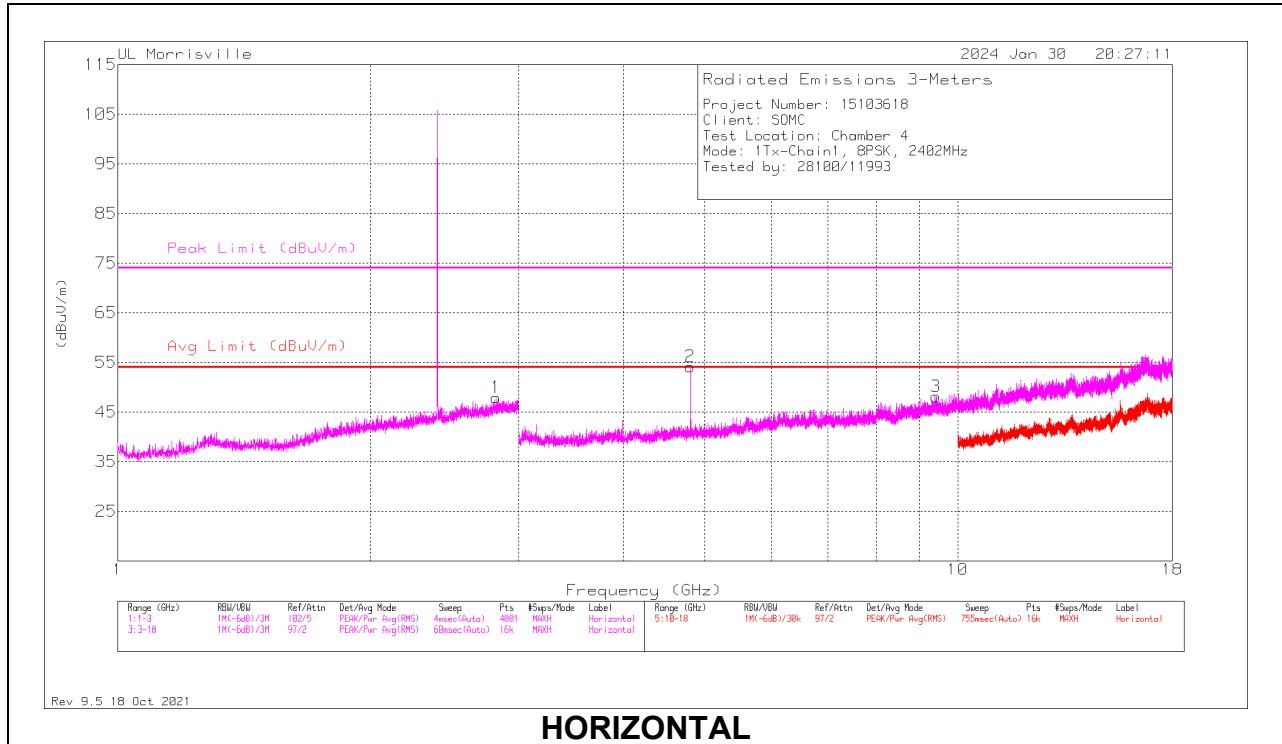


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.48354	30.15	Pk	32.3	-12.9	0	49.55	-	-	74	-24.45	27	292	V
1	*** 2.48354	30.15	Pk	32.3	-12.9	-24	25.55	54	-28.45	-	-	27	292	V
2	*** 2.4857	35	Pk	32.3	-12.9	0	54.4	-	-	74	-19.6	27	292	V
2	*** 2.4857	35	Pk	32.3	-12.9	-24	30.4	54	-23.6	-	-	27	292	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 \*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band  
 Pk - Peak detector

# HARMONICS AND SPURIOUS EMISSIONS

## LOW CHANNEL RESULTS



**RADIATED EMISSIONS**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.821	27.95	Pk	32.4	-12.4	0	47.95	54	-6.05	74	-26.05	0-360	100	H
4	*** 2.82672	28.15	PK2	32.4	-12.2	0	48.35	-	-	74	-25.65	262	365	V
4	*** 2.82672	28.15	PK2	32.4	-12.2	-24	24.35	54	-29.65	-	-	262	365	V
2	*** 4.80427	54.3	PK2	34.1	-31.7	0	56.7	-	-	74	-17.3	237	107	H
2	*** 4.80427	54.3	PK2	34.1	-31.7	-24	32.7	54	-21.3	-	-	237	107	H
3	*** 9.41537	37.82	PK2	36.6	-25.4	0	49.02	-	-	74	-24.98	251	296	H
3	*** 9.41537	37.82	PK2	36.6	-25.4	-24	25.02	54	-28.98	-	-	251	296	H
5	*** 4.80372	48.57	PK2	34.1	-31.7	0	50.97	-	-	74	-23.03	241	217	V
5	*** 4.80372	48.57	PK2	34.1	-31.7	-24	26.97	54	-27.03	-	-	241	217	V
6	*** 9.38719	36.3	Pk	36.6	-25.2	0	47.7	54	-6.3	74	-26.3	0-360	200	V

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

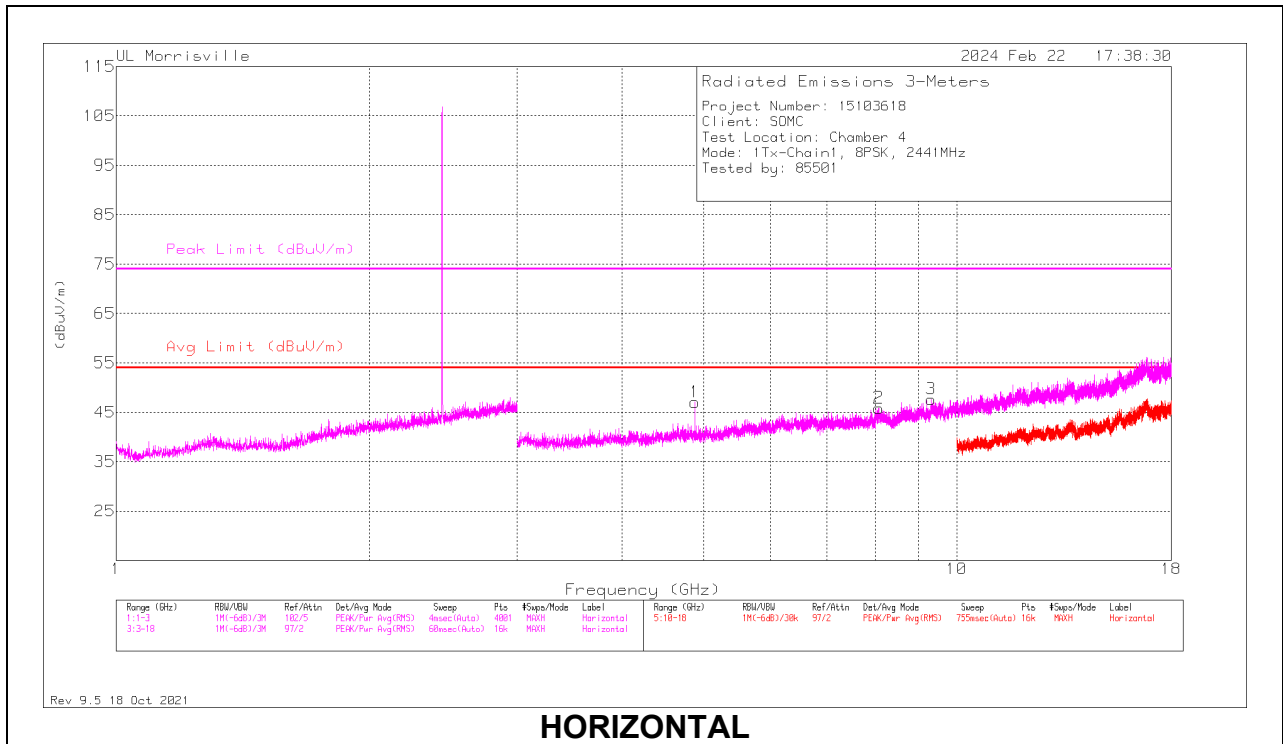
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

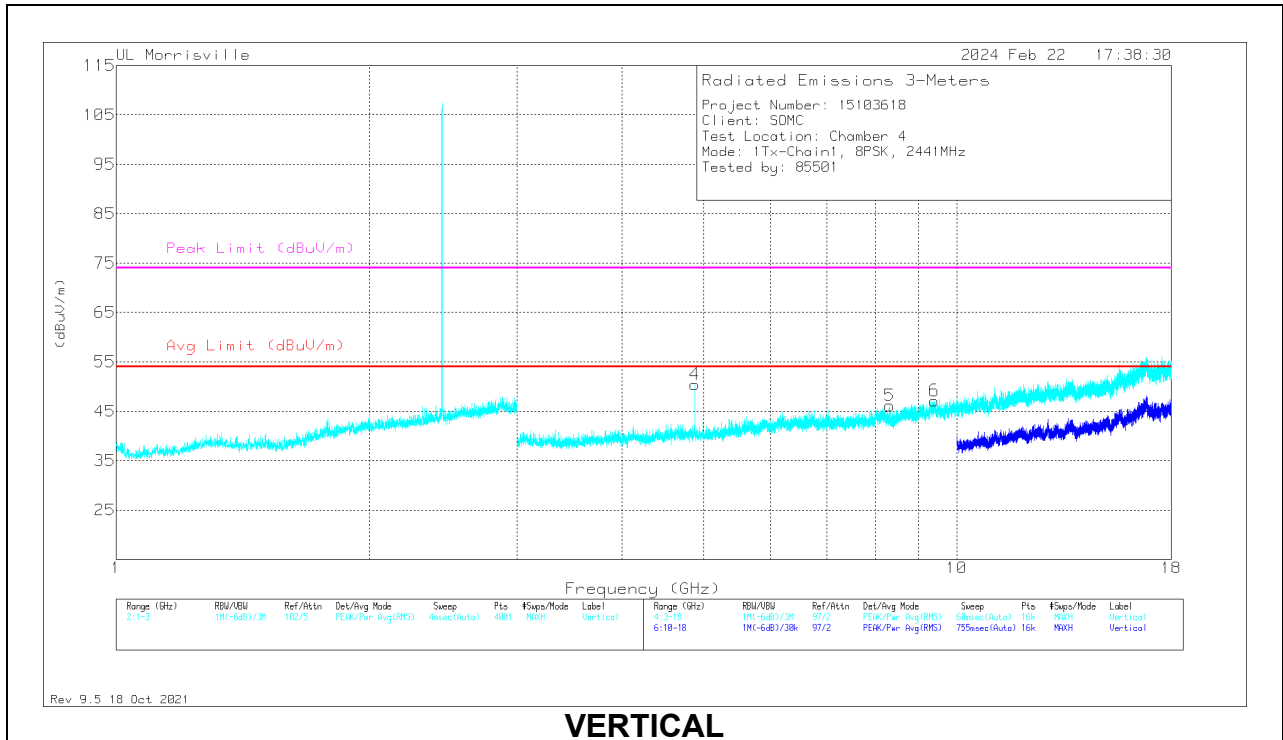
PK2 - Maximum Peak



### MID CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 4.88156	44.44	Pk	34	-31.4	0	47.04	54	-6.96	74	-26.96	0-360	100	H
2	*** 8.07469	37.16	Pk	35.8	-27.1	0	45.86	54	-8.14	74	-28.14	0-360	100	H
3	*** 9.3225	36.16	Pk	36.4	-24.9	0	47.66	54	-6.34	74	-26.34	0-360	100	H
4	*** 4.88199	49.64	PK2	34	-31.4	0	52.24	-	-	74	-21.76	262	212	V
	*** 4.88199	49.64	PK2	34	-31.4	-24	28.24	54	-25.76	-	-	262	212	V
5	*** 8.32313	36.95	Pk	35.8	-26.6	0	46.15	54	-7.85	74	-27.85	0-360	200	V
6	*** 9.40781	36.43	Pk	36.6	-25.9	0	47.13	54	-6.87	74	-26.87	0-360	200	V

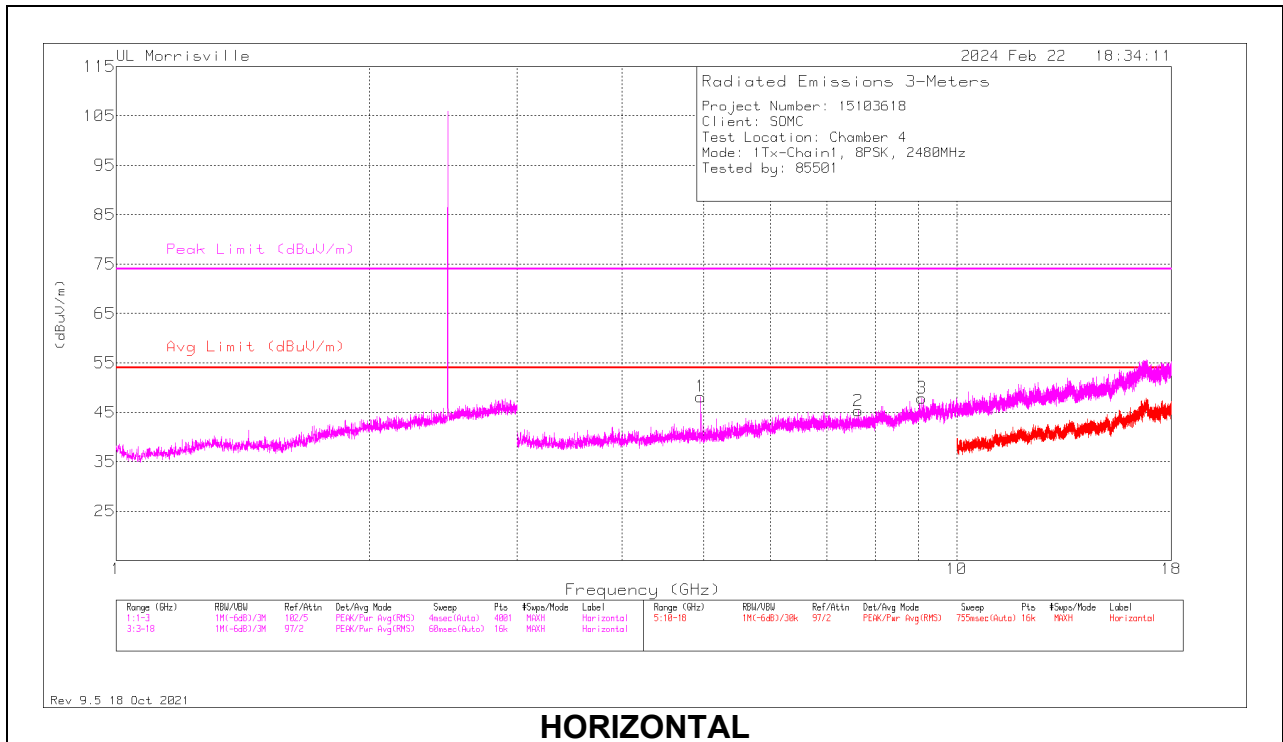
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

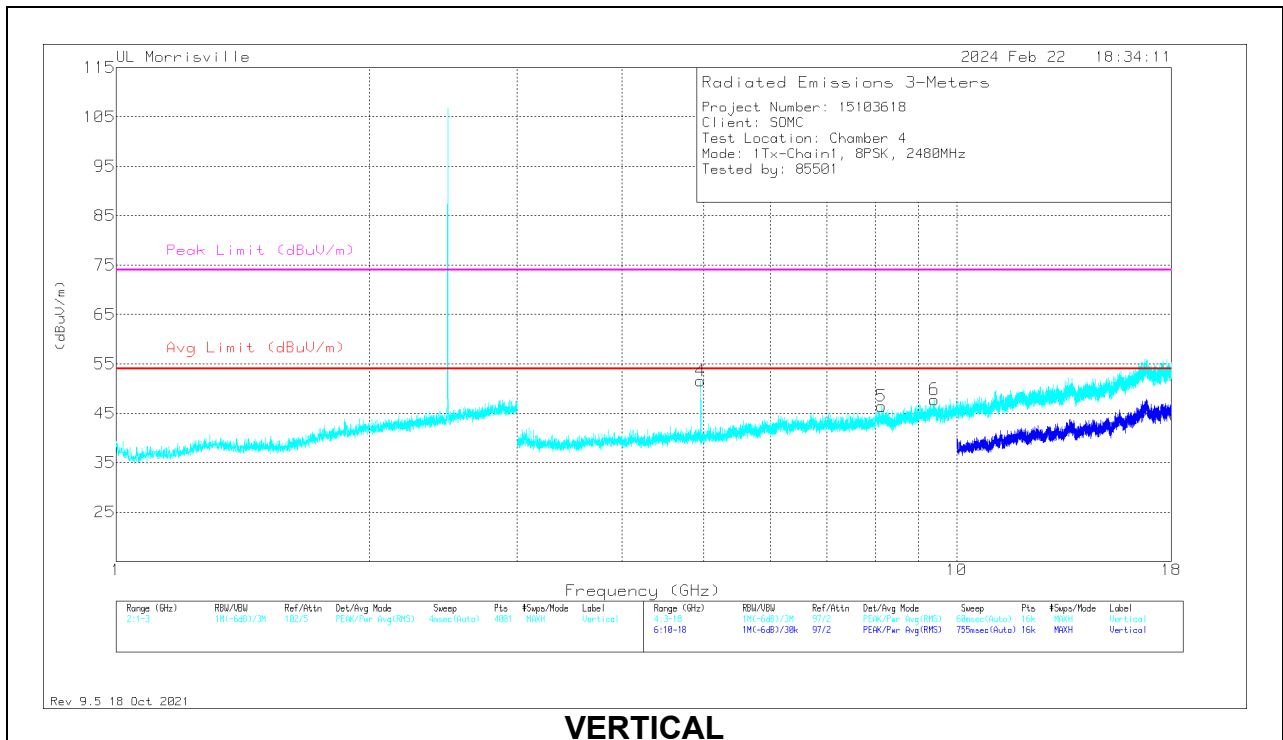
Pk - Peak detector

PK2 - Maximum Peak

### HIGH CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 4.96001	48.7	PK2	33.9	-31.4	0	51.2	-	-	74	-22.8	83	264	H
	*** 4.96001	48.7	PK2	33.9	-31.4	-24	27.2	54	-26.8	-	-	83	264	H
2	*** 7.63875	36.98	Pk	35.7	-27.4	0	45.28	54	-8.72	74	-28.72	0-360	100	H
3	*** 9.08063	36.27	Pk	36.3	-24.7	0	47.87	54	-6.13	74	-26.13	0-360	100	H
4	*** 4.95999	49.33	PK2	33.9	-31.4	0	51.83	-	-	74	-22.17	265	385	V
	*** 4.95999	49.33	PK2	33.9	-31.4	-24	27.83	54	-26.17	-	-	265	385	V
5	*** 8.13375	37.82	Pk	35.8	-27.2	0	46.42	54	-7.58	74	-27.58	0-360	200	V
6	*** 9.40219	36.77	Pk	36.6	-25.6	0	47.77	54	-6.23	74	-26.23	0-360	200	V

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

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

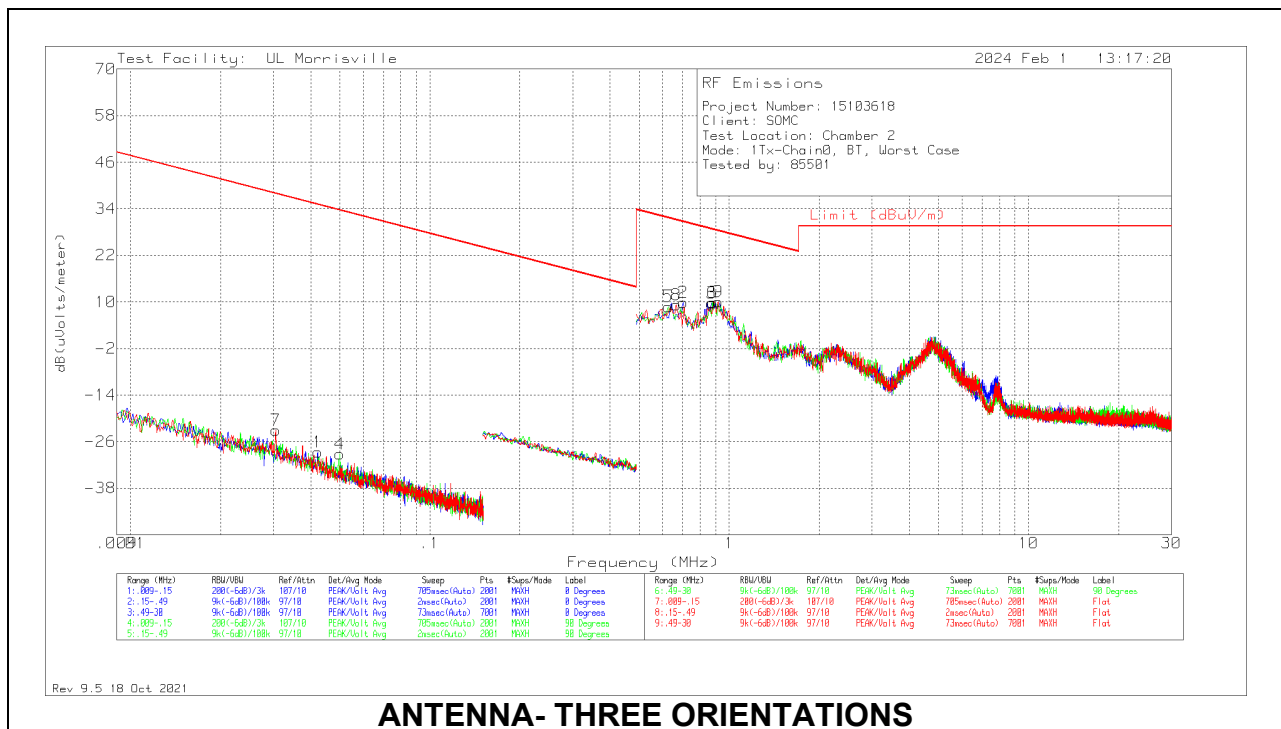
Pk - Peak detector

PK2 -Maximum Peak

## 10.2. WORST CASE BELOW 30MHz

Note: 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  $40 \cdot \log(\text{test distance} / \text{specification distance})$ .

### SPURIOUS EMISSIONS BELOW 30 MHz (WORST-CASE CONFIGURATION CHAIN 0)

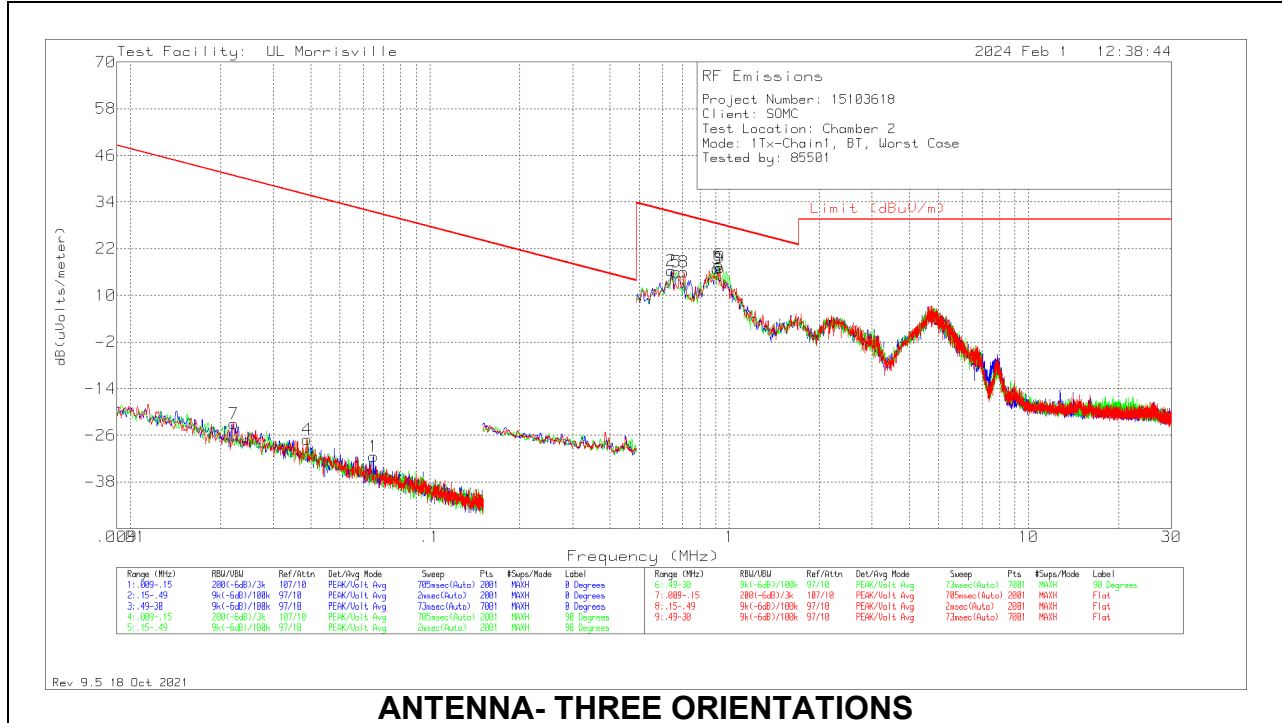


### ANTENNA- THREE ORIENTATIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	65682 (dBuV/m)	Gain/Loss (dB)	Dist. Corr. Factor (dB)	Corrected Reading dB(uVolts/meter)	QP/AV Limit (dBuV/m)	PK Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Loop Angle
7	.03058	43.89	Pk	13	.1	-80	-23.01	37.89	57.89	-60.9	0-360	Flat
1	.04223	39.52	Pk	11.7	.1	-80	-28.68	35.09	55.09	-63.77	0-360	0 degs
4	.05004	39.77	Pk	10.9	.1	-80	-29.23	33.62	53.62	-62.85	0-360	90 degs
5	.62491	38.51	Pk	10.2	.1	-40	8.81	31.69	-	-22.88	0-360	90 degs
8	.66707	38.85	Pk	10.2	.1	-40	9.15	31.12	-	-21.97	0-360	Flat
2	.7008	39.57	Pk	10.2	.1	-40	9.87	30.69	-	-20.82	0-360	0 degs
3	.87366	39.31	Pk	10.2	.2	-40	9.71	28.78	-	-19.07	0-360	0 degs
6	.88209	39.42	Pk	10.2	.2	-40	9.82	28.69	-	-18.87	0-360	90 degs
9	.92003	39.6	Pk	10.2	.2	-40	10	28.33	-	-18.33	0-360	Flat

Pk - Peak detector

**SPURIOUS EMISSIONS BELOW 30 MHz (WORST-CASE CONFIGURATION CHAIN 1)**



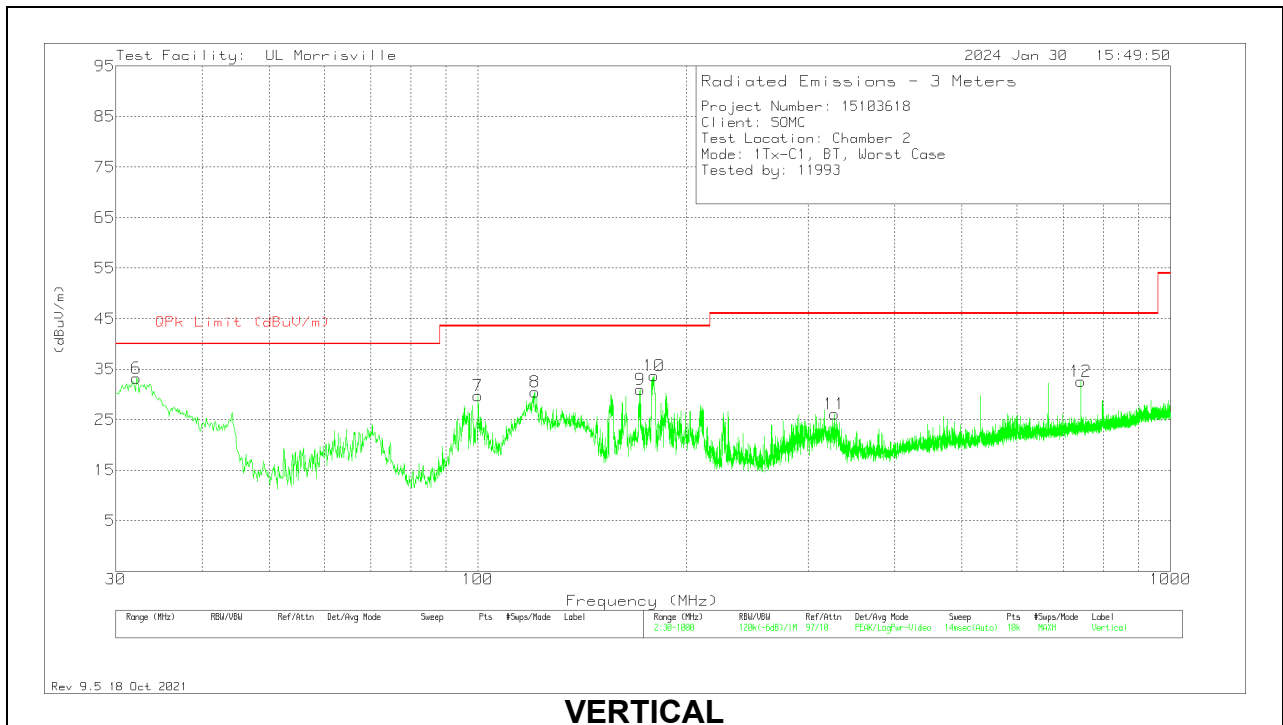
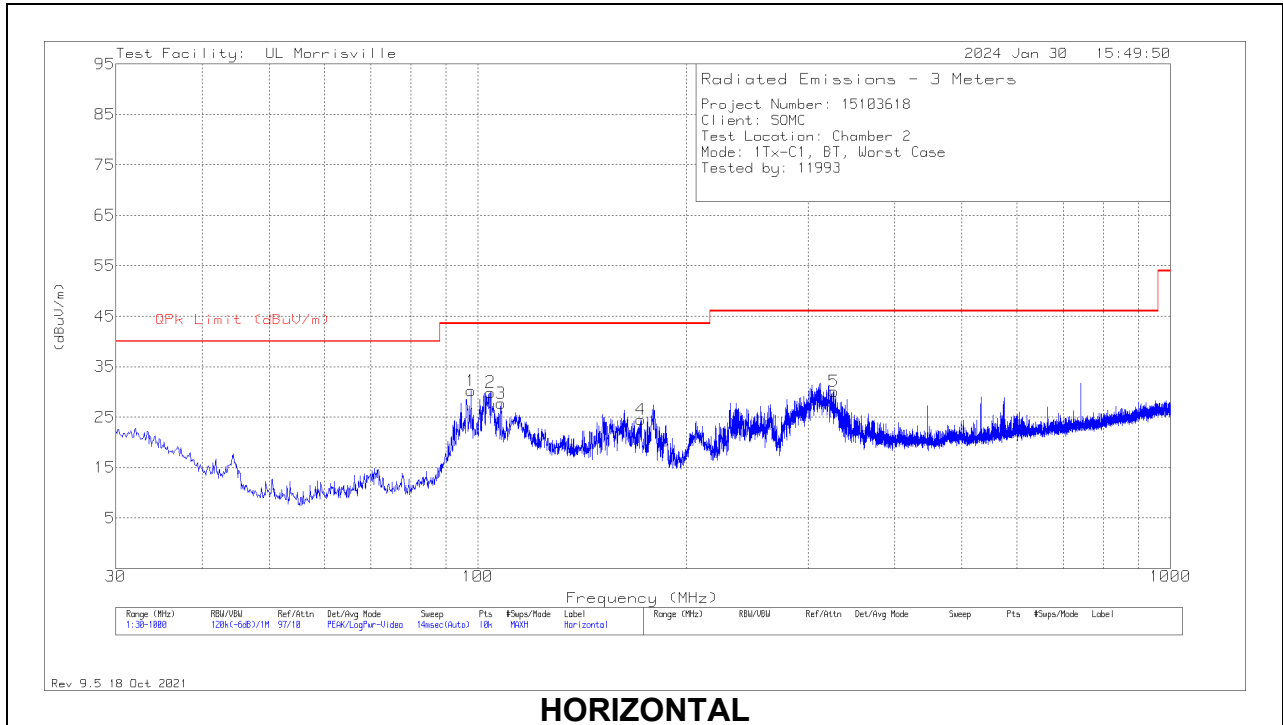
**ANTENNA- THREE ORIENTATIONS**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	65682 (dBuV/m)	Gain/Loss (dB)	Dist. Corr. Factor (dB)	Corrected Reading dB(uVolts/meter)	QP/AV Limit (dBuV/m)	PK Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Loop Angle
7	.02214	43.09	Pk	13.8	.1	-80	-23.01	40.7	60.7	-63.71	0-360	Flat
4	.03896	40.74	Pk	12	.1	-80	-27.16	35.79	55.79	-62.95	0-360	90 degs
1	.06488	37.74	Pk	10.7	.1	-80	-31.46	31.36	51.36	-62.82	0-360	0 degs
2	.64178	46	Pk	10.2	.1	-40	16.3	31.46	-	-15.16	0-360	0 degs
5	.66707	45.62	Pk	10.2	.1	-40	15.92	31.12	-	-15.2	0-360	90 degs
8	.70502	45.7	Pk	10.2	.1	-40	16	30.64	-	-14.64	0-360	Flat
3	.9116	46.62	Pk	10.2	.2	-40	17.02	28.41	-	-11.39	0-360	0 degs
6	.92425	47.36	Pk	10.2	.2	-40	17.76	28.29	-	-10.53	0-360	90 degs
9	.93268	46.61	Pk	10.3	.2	-40	17.11	28.21	-	-11.1	0-360	Flat

Pk - Peak detector

### 10.3. WORST CASE 30-1000MHZ

#### SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION CHAIN 0)



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	85717 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* ** 172.008	37.09	Pk	17.6	-30.2	24.49	43.52	-19.03	0-360	299	H
5	* ** 326.82	39.79	Pk	19.6	-29.3	30.09	46.02	-15.93	0-360	101	H
8	* ** 120.792	41.79	Pk	19.5	-30.8	30.49	43.52	-13.03	0-360	101	V
9	* ** 171.426	43.52	Pk	17.6	-30.2	30.92	43.52	-12.6	0-360	101	V
11	* ** 327.305	35.87	Pk	19.6	-29.4	26.07	46.02	-19.95	0-360	199	V
12	** 742.562	34.07	Pk	26.1	-27.6	32.57	46.02	-13.45	0-360	101	V
6	32.134	39.46	Pk	25.2	-31.5	33.16	-	-	0-360	101	V
1	97.706	45.48	Pk	15.6	-30.8	30.28	-	-	0-360	299	H
7	99.937	44.41	Pk	16.2	-30.9	29.71	-	-	0-360	101	V
2	104.302	43.71	Pk	17.2	-31	29.91	-	-	0-360	299	H
3	107.988	40.81	Pk	17.8	-30.9	27.71	-	-	0-360	299	H
10	179.477	46.44	Pk	17.4	-30.1	33.74	-	-	0-360	101	V

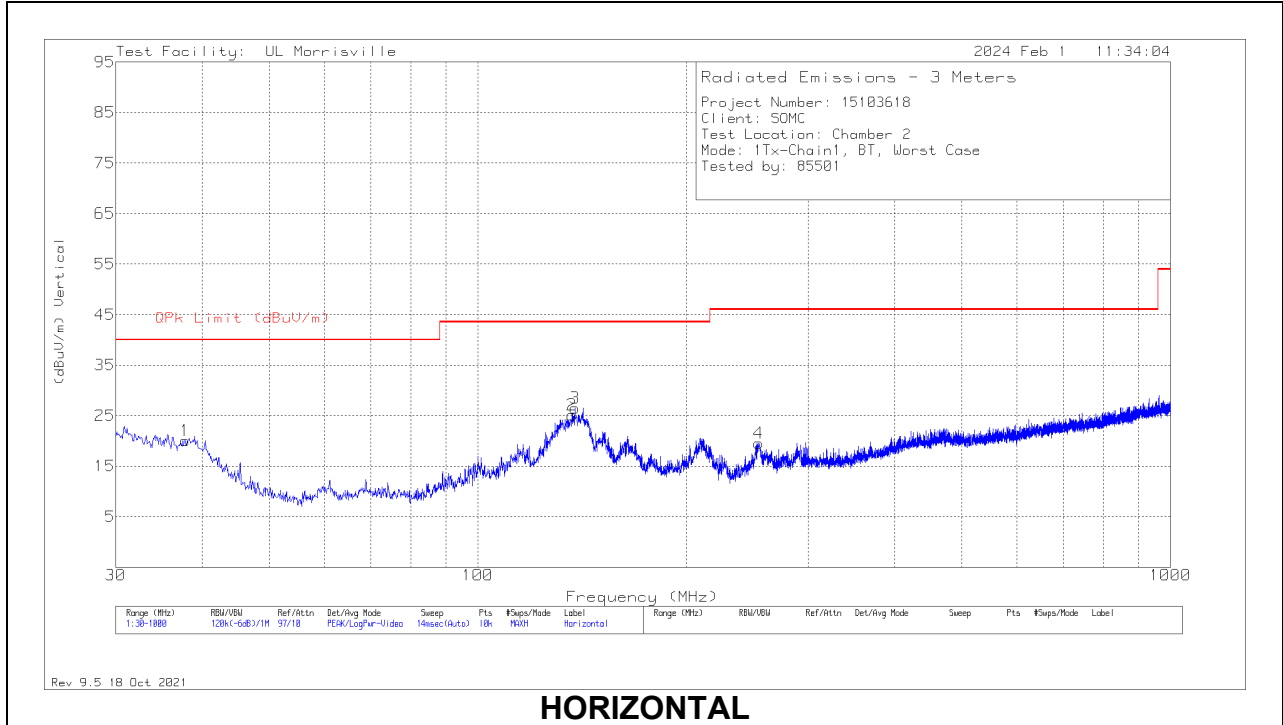
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

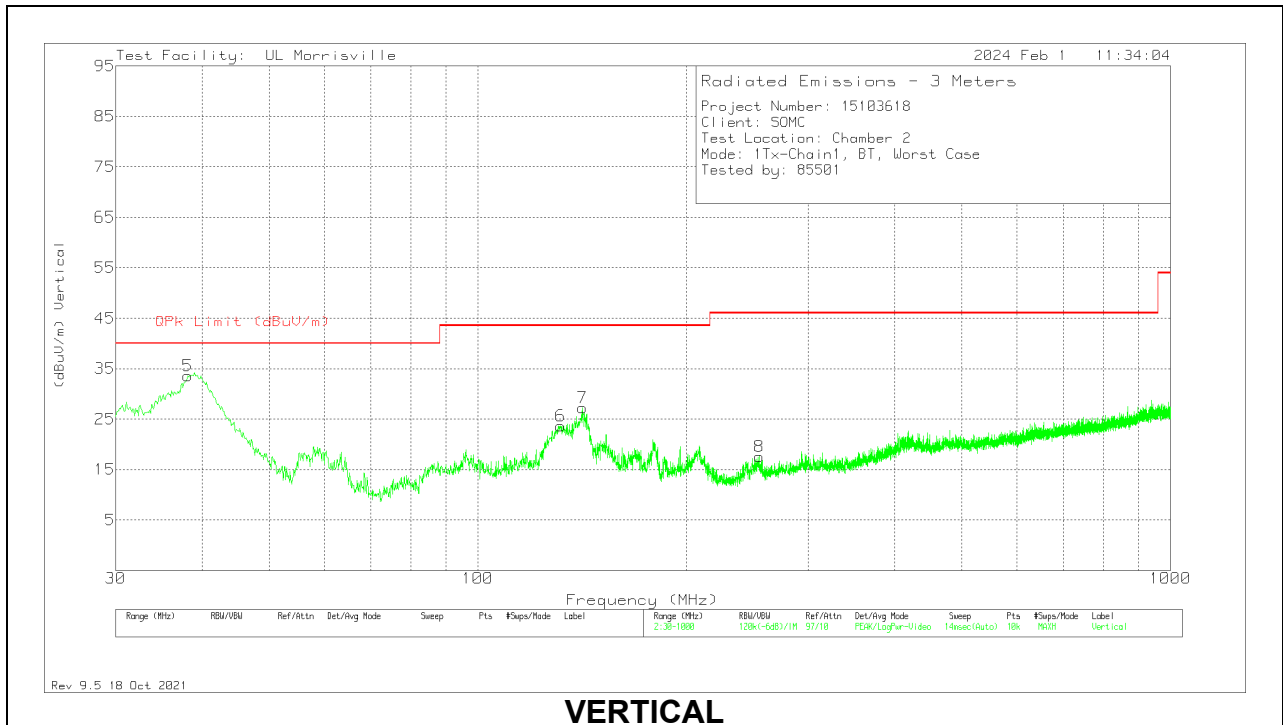
Pk - Peak detector



**SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION CHAIN 1)**



**HORIZONTAL**



**VERTICAL**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	85717 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 37.76	30.29	Pk	21.4	-31.7	19.99	40	-20.01	0-360	199	H
2	* ** 136.797	36.39	Pk	19.3	-30.5	25.19	43.52	-18.33	0-360	199	H
4	* ** 254.264	31.97	Pk	17.2	-29.6	19.57	46.02	-26.45	0-360	101	H
5	* ** 38.148	44.14	Pk	21.1	-31.7	33.54	40	-6.46	0-360	101	V
6	* ** 131.753	34.66	Pk	19.7	-30.7	23.66	43.52	-19.86	0-360	101	V
8	* ** 254.749	30.01	Pk	17.2	-29.6	17.61	46.02	-28.41	0-360	199	V
3	138.155	37.82	Pk	19.3	-30.6	26.52	-	-	0-360	199	H
7	141.55	38.81	Pk	18.9	-30.5	27.21	-	-	0-360	101	V

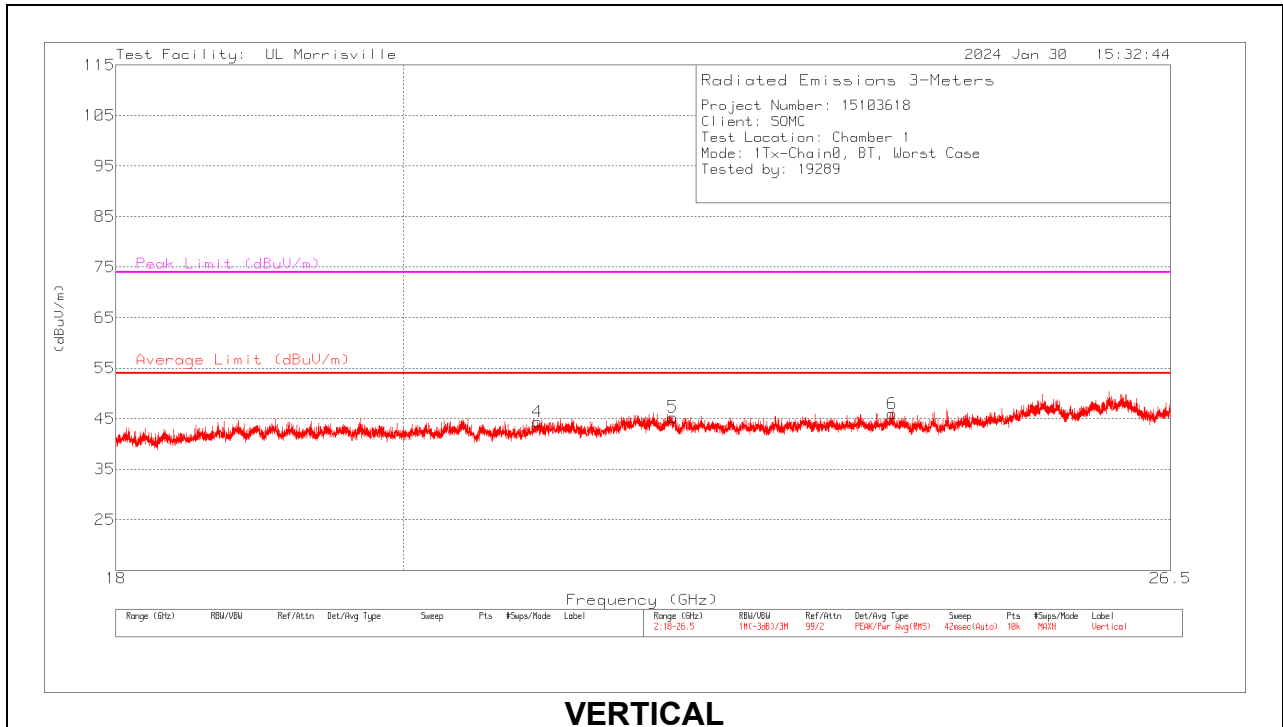
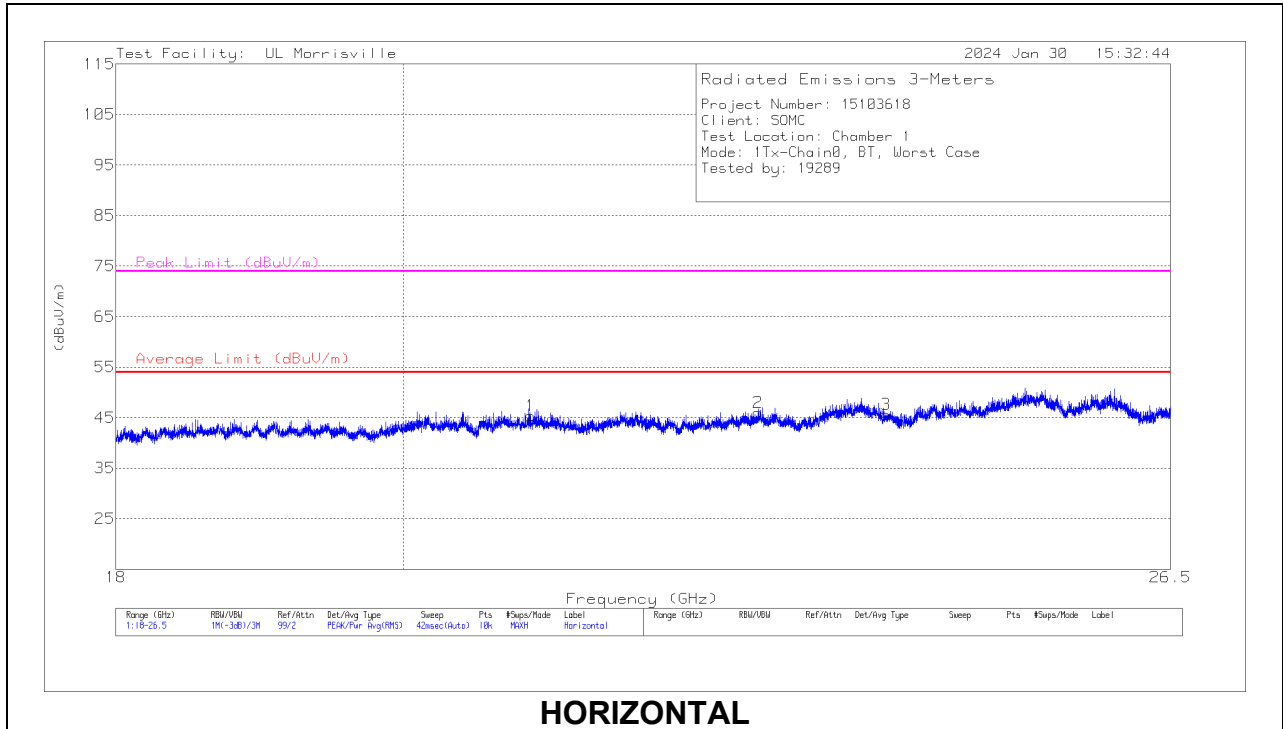
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

### 10.4. WORST CASE 18-26 GHz

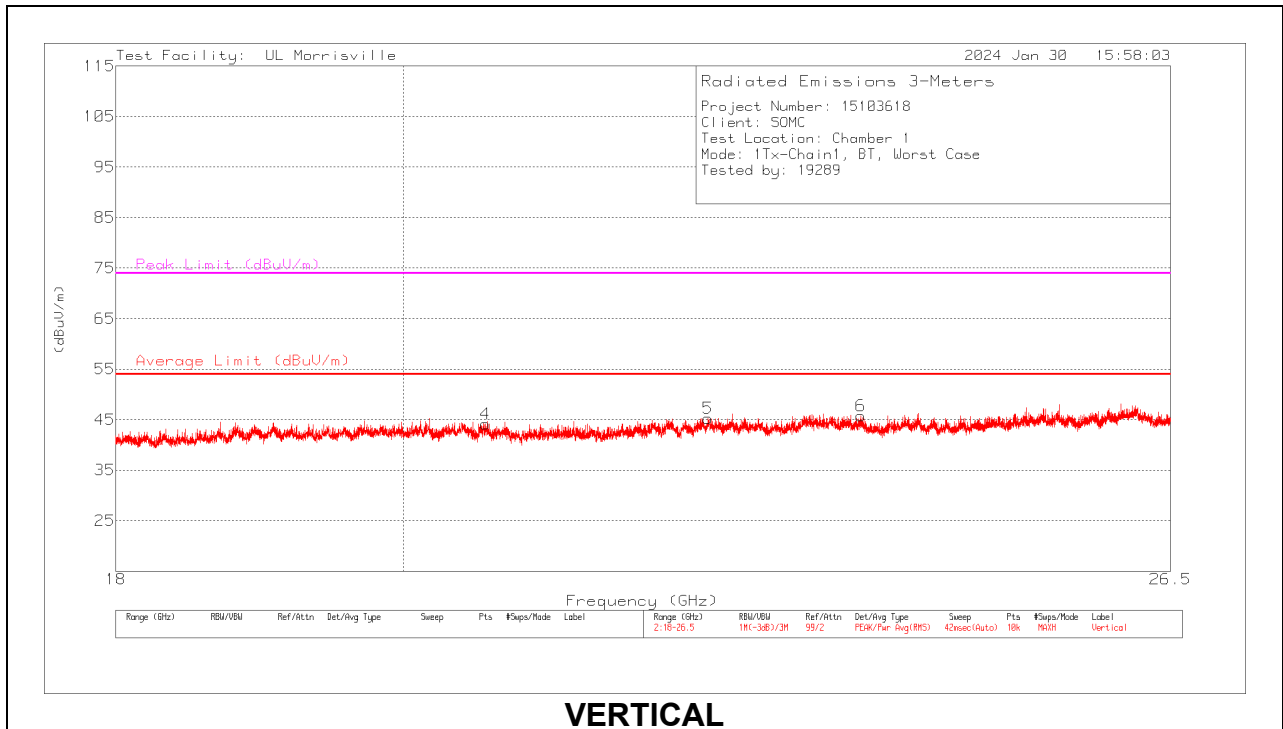
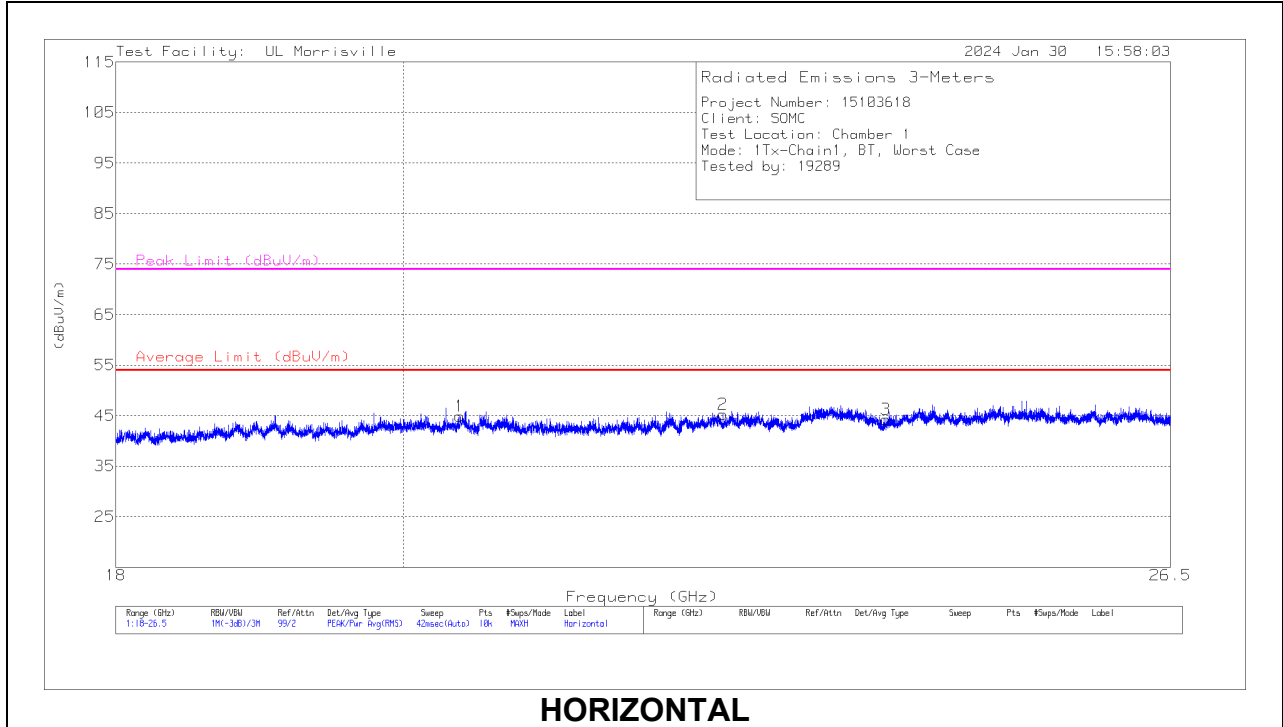
#### SPURIOUS EMISSIONS 18-26 GHz (WORST-CASE CONFIGURATION CHAIN 0)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	204704 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 20.956	50.11	Pk	33.5	-38.2	45.41	54	-8.59	74	-28.59	0-360	200	H
2	* ** 22.77822	49.27	Pk	34.1	-37.4	45.97	54	-8.03	74	-28.03	0-360	150	H
3	* ** 23.87546	48.55	Pk	34.4	-37.3	45.65	54	-8.35	74	-28.35	0-360	249	H
4	* ** 21.01125	49.04	Pk	33.6	-38.2	44.44	54	-9.56	74	-29.56	0-360	200	V
5	* ** 22.07874	48.62	Pk	34.3	-37.6	45.32	54	-8.68	74	-28.68	0-360	200	V
6	* ** 23.92646	48.75	Pk	34.4	-37.1	46.05	54	-7.95	74	-27.95	0-360	150	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 \*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band  
 Pk - Peak detector

**SPURIOUS EMISSIONS 18-26 GHz (WORST-CASE CONFIGURATION CHAIN 1)**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	204704 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 20.41886	49.08	Pk	33.6	-37.8	44.88	54	-9.12	74	-29.12	0-360	199	H
2	* ** 22.49095	49.31	Pk	34.2	-38.2	45.31	54	-8.69	74	-28.69	0-360	249	H
3	* ** 23.87631	47.17	Pk	34.4	-37.3	44.27	54	-9.73	74	-29.73	0-360	150	H
4	* ** 20.61349	48.13	Pk	33.7	-37.7	44.13	54	-9.87	74	-29.87	0-360	101	V
5	* ** 22.36771	48.75	Pk	34.1	-37.6	45.25	54	-8.75	74	-28.75	0-360	101	V
6	* ** 23.65363	48.57	Pk	34.5	-37.3	45.77	54	-8.23	74	-28.23	0-360	250	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 \*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band  
 Pk - Peak detector

## 11. AC POWER LINE CONDUCTED EMISSIONS

### LIMITS

FCC §15.207 (a)

Frequency of Emission (MHz)	Conducted Limit (dBuV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

\*Decreases with the logarithm of the frequency.

### TEST PROCEDURE

The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.10

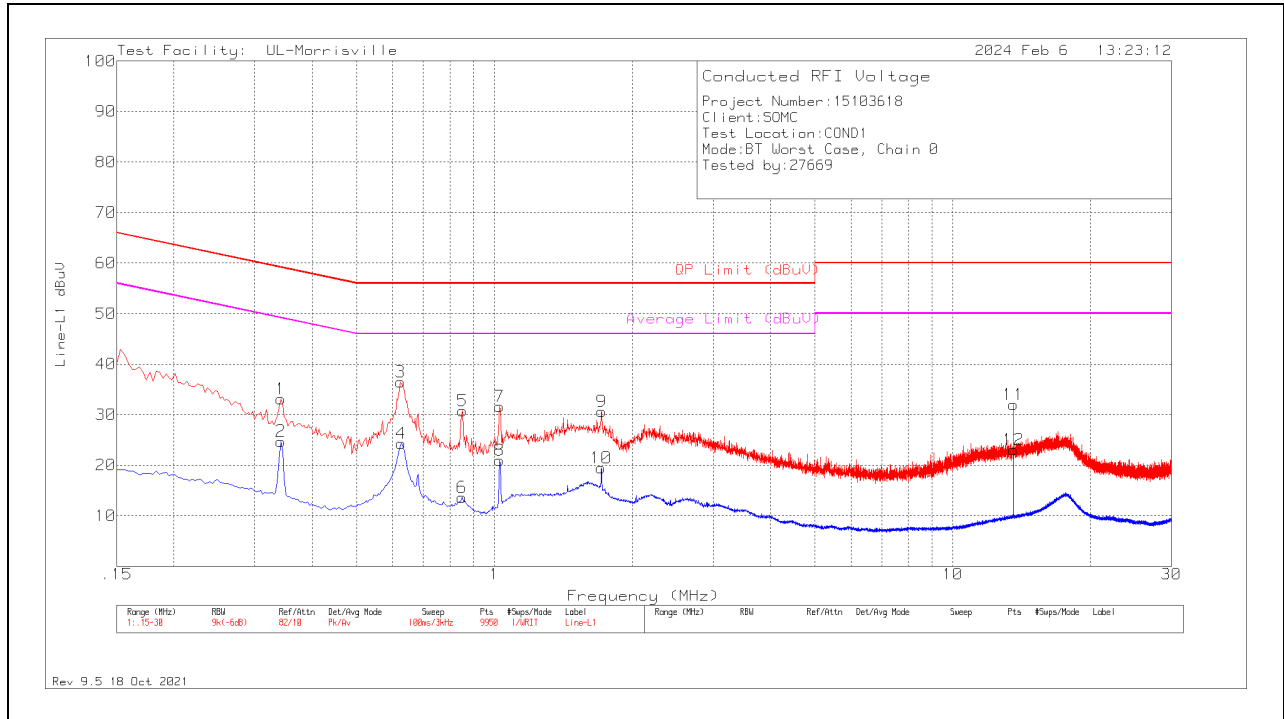
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

Line conducted data is recorded for both lines.

### RESULTS

# 11.1.1. AC POWER LINE NORM – CHAIN 0

## LINE 1 RESULTS

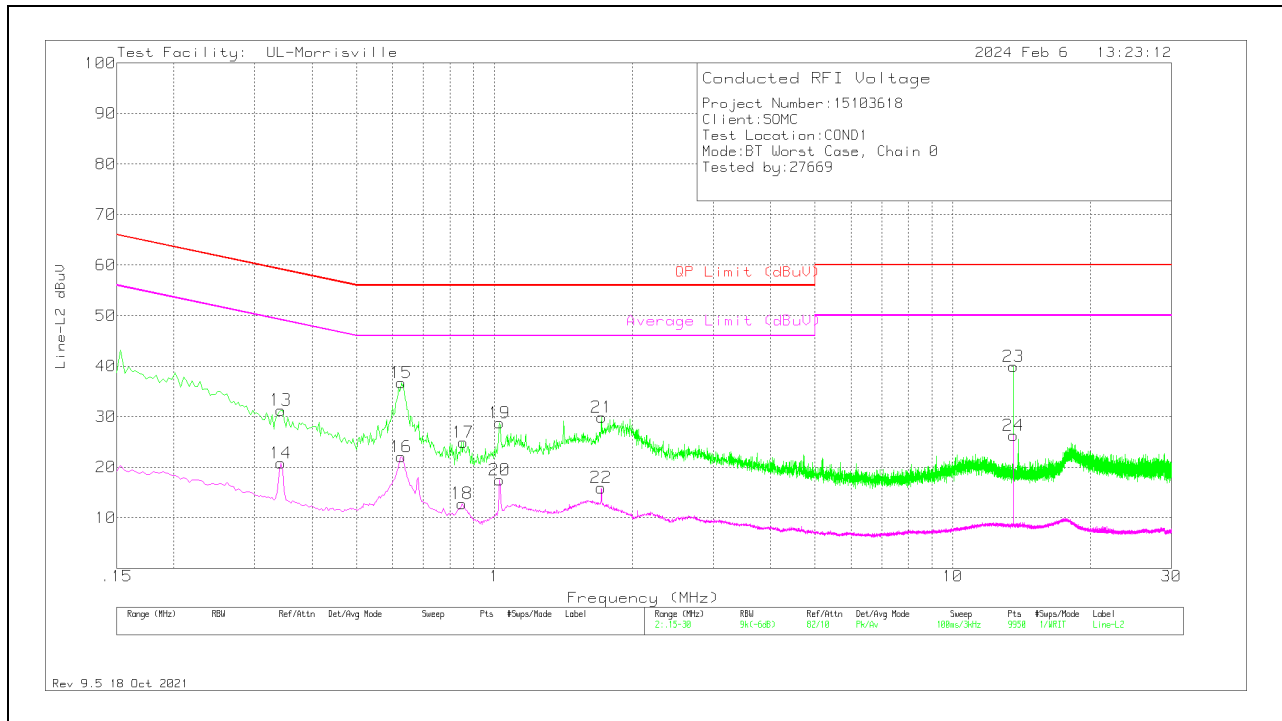


Range 1: Line-L1 .15 - 30MHz										
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN VDF (dB)	Cbl/Limiter (dB)	Corrected Reading dBuV	QP Limit (dBuV)	Margin (dB)	Average Limit (dBuV)	Margin (dB)
1	.342	23.17	Pk	.1	9.8	33.07	59.15	-26.08	-	-
2	.342	14.83	Av	.1	9.8	24.73	-	-	49.15	-24.42
3	.624	26.59	Pk	.1	9.8	36.49	56	-19.51	-	-
4	.627	14.36	Av	.1	9.8	24.26	-	-	46	-21.74
6	.849	3.74	Av	.1	9.8	13.64	-	-	46	-32.36
5	.852	20.85	Pk	.1	9.8	30.75	56	-25.25	-	-
7	1.026	21.74	Pk	.1	9.8	31.64	56	-24.36	-	-
8	1.026	11.01	Av	.1	9.8	20.91	-	-	46	-25.09
10	1.71	9.5	Av	.1	9.8	19.4	-	-	46	-26.6
9	1.713	20.74	Pk	.1	9.8	30.64	56	-25.36	-	-
11	13.563	21.77	Pk	.2	10	31.97	60	-28.03	-	-
12	13.563	12.84	Av	.2	10	23.04	-	-	50	-26.96

Pk - Peak detector  
 Av - Average detection



### LINE 2 RESULTS

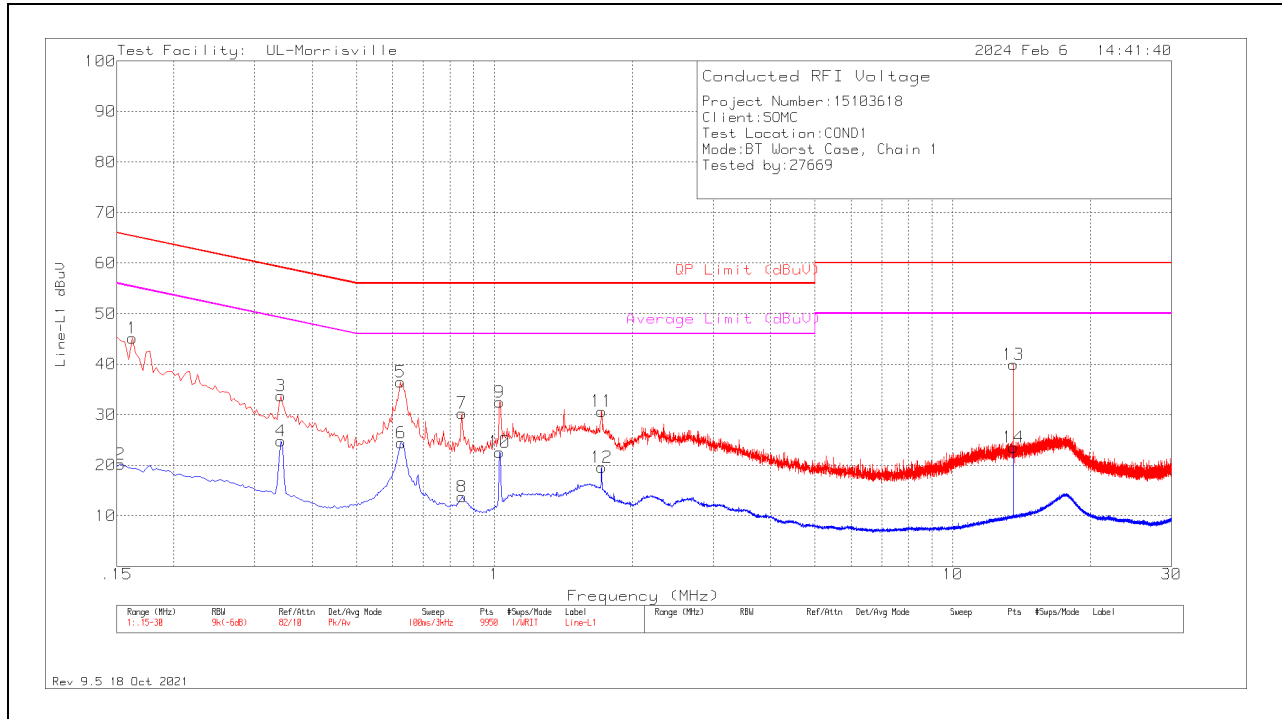


Range 2: Line-L2 .15 - 30MHz										
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN VDF (dB)	Cbl/Limiter (dB)	Corrected Reading dBuV	QP Limit (dBuV)	Margin (dB)	Average Limit (dBuV)	Margin (dB)
13	.342	21.41	Pk	.1	9.8	31.31	59.15	-27.84	-	-
14	.342	10.89	Av	.1	9.8	20.79	-	-	49.15	-28.36
15	.627	26.86	Pk	.1	9.8	36.76	56	-19.24	-	-
16	.627	12.21	Av	.1	9.8	22.11	-	-	46	-23.89
18	.849	2.91	Av	.1	9.8	12.81	-	-	46	-33.19
17	.855	15	Pk	.1	9.8	24.9	56	-31.1	-	-
19	1.026	18.87	Pk	.1	9.8	28.77	56	-27.23	-	-
20	1.026	7.62	Av	.1	9.8	17.52	-	-	46	-28.48
22	1.71	6.02	Av	.1	9.8	15.92	-	-	46	-30.08
21	1.713	19.95	Pk	.1	9.8	29.85	56	-26.15	-	-
24	13.56	16.03	Av	.2	10	26.23	-	-	50	-23.77
23	13.563	29.7	Pk	.2	10	39.9	60	-20.1	-	-

Pk - Peak detector  
 Av - Average detection

## 11.1.2. AC POWER LINE NORM – CHAIN 1

### LINE 1 RESULTS

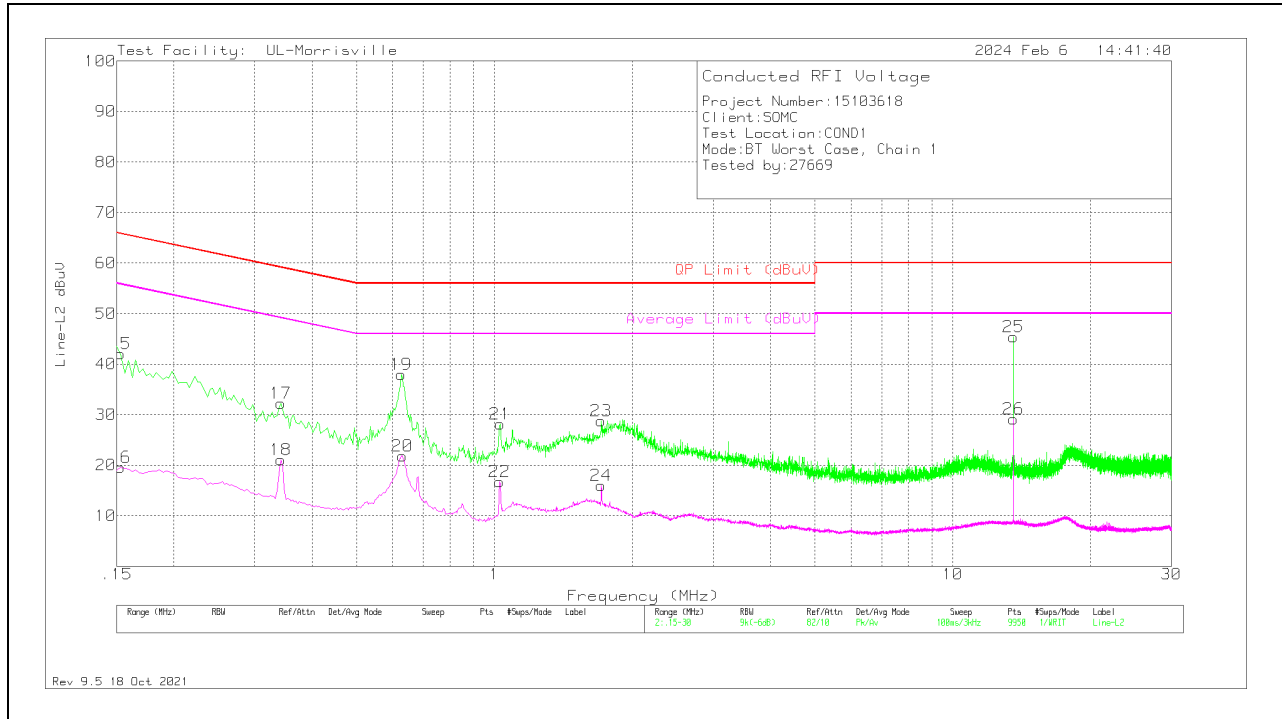


Range 1: Line-L1 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN VDF (dB)	Cbl/Limiter (dB)	Corrected Reading dBuV	QP Limit (dBuV)	Margin (dB)	Average Limit (dBuV)	Margin (dB)
2	.153	10.08	Av	.3	9.8	20.18	-	-	55.84	-35.66
1	.162	35.1	Pk	.3	9.8	45.2	65.36	-20.16	-	-
3	.342	23.79	Pk	.1	9.8	33.69	59.15	-25.46	-	-
4	.342	14.88	Av	.1	9.8	24.78	-	-	49.15	-24.37
5	.624	26.53	Pk	.1	9.8	36.43	56	-19.57	-	-
6	.6255	14.53	Av	.1	9.8	24.43	-	-	46	-21.57
7	.849	20.42	Pk	.1	9.8	30.32	56	-25.68	-	-
8	.849	3.87	Av	.1	9.8	13.77	-	-	46	-32.23
9	1.026	22.62	Pk	.1	9.8	32.52	56	-23.48	-	-
10	1.026	12.72	Av	.1	9.8	22.62	-	-	46	-23.38
11	1.713	20.79	Pk	.1	9.8	30.69	56	-25.31	-	-
12	1.713	9.68	Av	.1	9.8	19.58	-	-	46	-26.42
13	13.563	29.74	Pk	.2	10	39.94	60	-20.06	-	-
14	13.563	13.31	Av	.2	10	23.51	-	-	50	-26.49

Pk - Peak detector  
 Av - Average detection

### LINE 2 RESULTS



Range 2: Line-L2 .15 - 30MHz										
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN VDF (dB)	Cbl/Limiter (dB)	Corrected Reading dBuV	QP Limit (dBuV)	Margin (dB)	Average Limit (dBuV)	Margin (dB)
15	.153	31.96	Pk	.3	9.8	42.06	65.84	-23.78	-	-
16	.153	9.51	Av	.3	9.8	19.61	-	-	55.84	-36.23
17	.342	22.39	Pk	.1	9.8	32.29	59.15	-26.86	-	-
18	.342	11.17	Av	.1	9.8	21.07	-	-	49.15	-28.08
19	.627	28.09	Pk	.1	9.8	37.99	56	-18.01	-	-
20	.63	11.92	Av	.1	9.8	21.82	-	-	46	-24.18
22	1.026	6.8	Av	.1	9.8	16.7	-	-	46	-29.3
21	1.029	18.3	Pk	.1	9.8	28.2	56	-27.8	-	-
23	1.71	18.86	Pk	.1	9.8	28.76	56	-27.24	-	-
24	1.71	6.06	Av	.1	9.8	15.96	-	-	46	-30.04
25	13.56	35.24	Pk	.2	10	45.44	60	-14.56	-	-
26	13.56	18.99	Av	.2	10	29.19	-	-	50	-20.81

Pk - Peak detector  
 Av - Average detection

## 12. SETUP PHOTOS

Please refer to R15103618-EP3 for setup photos.

**END OF TEST REPORT**