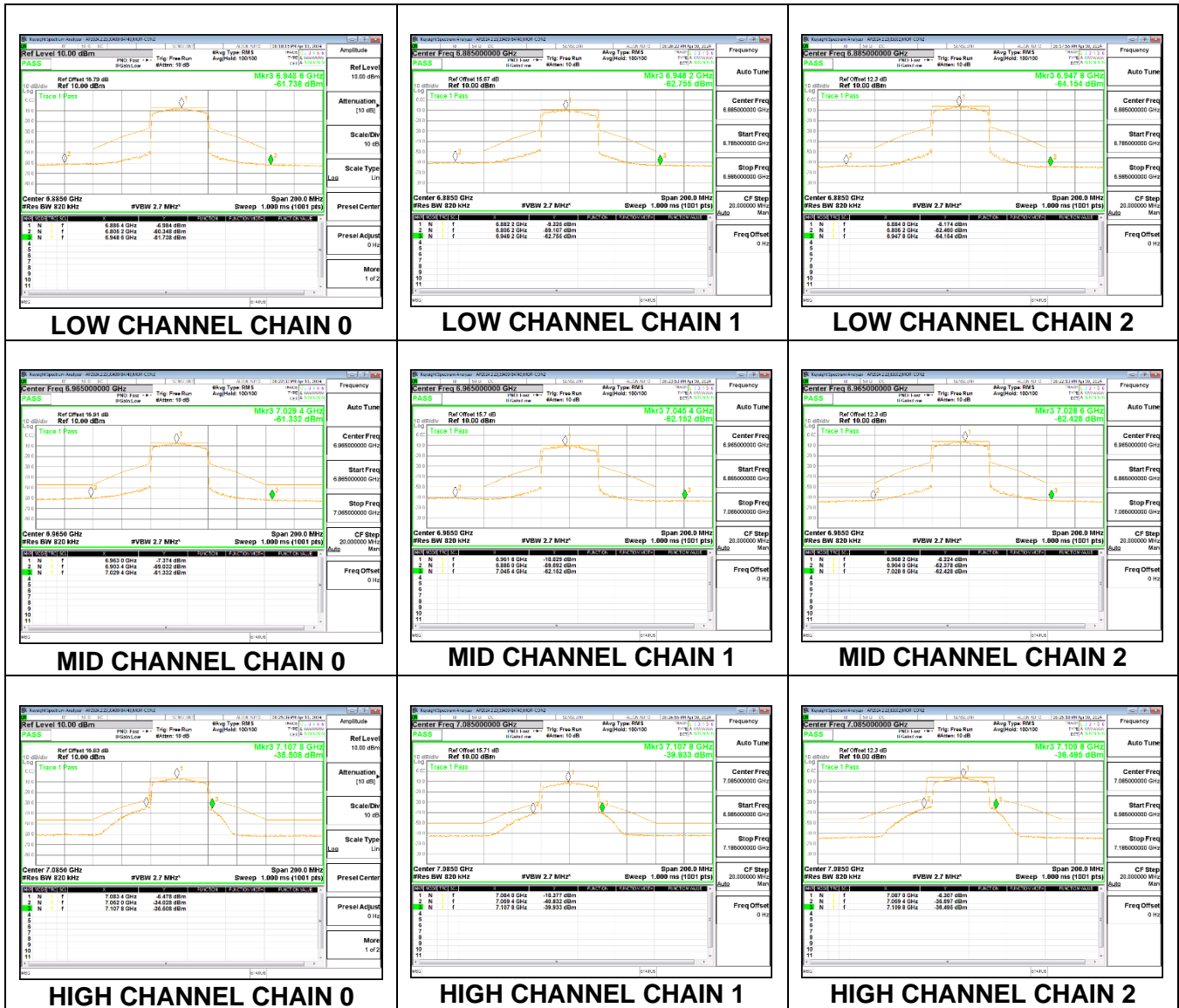


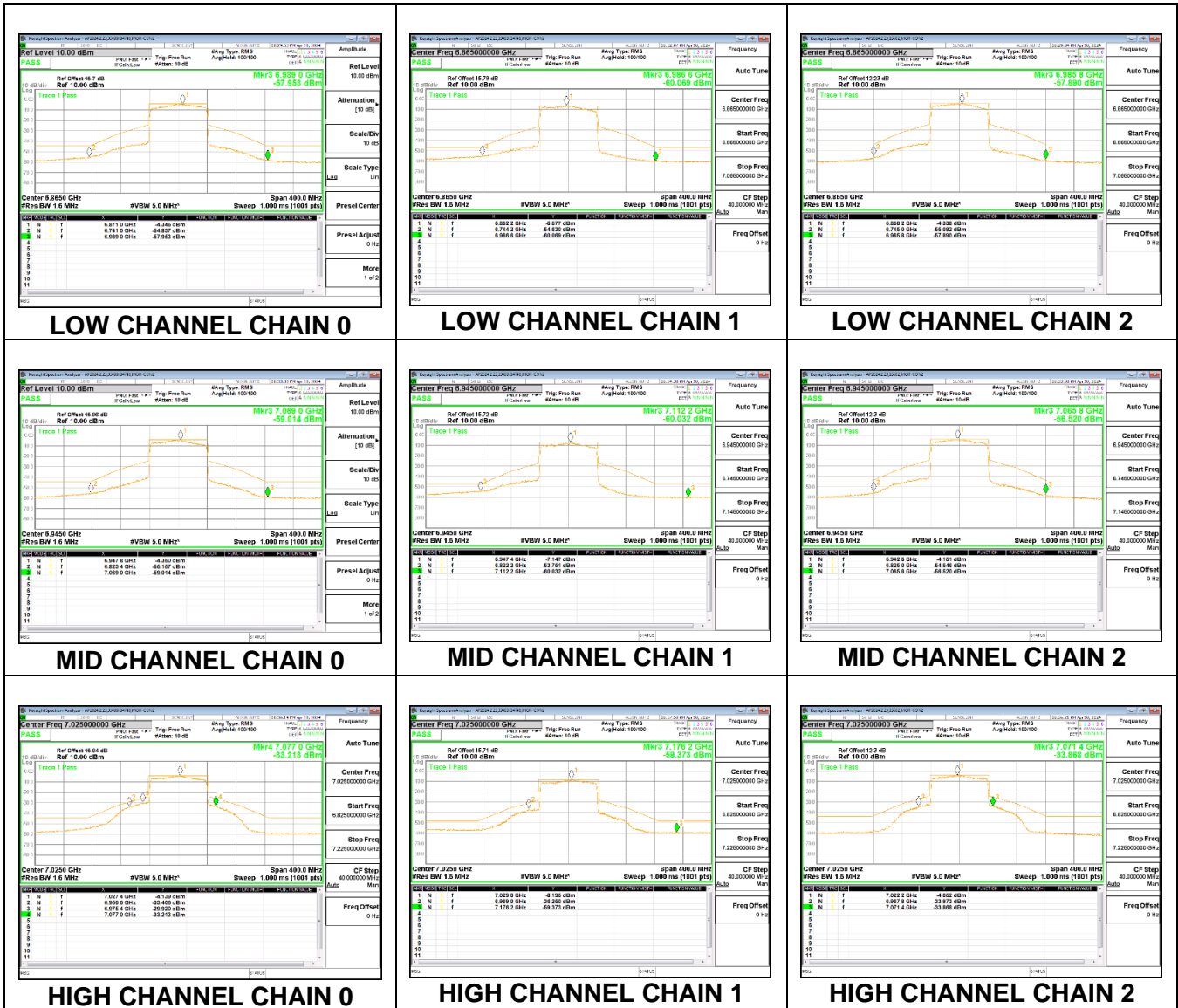
### 9.5.15. 802.11ax HE40 MODE 3TX IN THE UNII-8 BAND

#### 3TX CHAIN 0 + CHAIN 1 + CHAIN 2 CDD OFDMA MODE: SU LOW POWER INDOOR



9.5.16. 802.11ax HE80 MODE 3TX IN THE UNII-8 BAND

3TX CHAIN 0 + CHAIN 1 + CHAIN 2 CDD OFDMA MODE: SU LOW POWER INDOOR



## 10. RADIATED TEST RESULTS

### LIMITS

FCC §15.205 Restricted bands

FCC §15.209 and FCC §15.407(b)(6) – Unrestricted bands

Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m
0.009-0.490	2400/F(kHz) @ 300 m	-
0.490-1.705	24000/F(kHz) @ 30 m	-
1.705 - 30	30 @ 30m	-
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

RSS-248 4.6.2 (a)

RSS-GEN 8.9, 8.10

Frequency Range (kHz)	Field Strength Limit (uA/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m
0.009-0.490	6.37/F(kHz) @ 300 m	-
0.490-1.705	63.7/F(kHz) @ 30 m	-
1.705 - 30	0.08 @ 30m	-
Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

### TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane for measurement below 1GHz; 1.5 m above the ground plane for measurement above 1GHz. The antenna to EUT distance is 3 meters. The EUT is configured in accordance with ANSI C63.10. The EUT is set to transmit in a continuous mode.

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements in the 30-1000MHz range, 9kHz for peak and/or quasi-peak detection measurements in the 0.15-30MHz range and 200Hz for peak and/or quasi-peak detection measurements in the 9 to 150kHz range. Peak detection is used unless otherwise noted as quasi-peak or average (9-90kHz and 110-490kHz).

For pre-scans above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3MHz for peak measurements.

For final measurements above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3 MHz for peak measurements and as applicable for average measurements. Most cases RMS averaging is used.

When applicable 15.407 (b) (8) may be used:

The emission measurements shall be performed using a minimum resolution bandwidth of 1 MHz. A lower resolution bandwidth may be employed near the band edge, when necessary, provided the measured energy is integrated to show the total power over 1 MHz.

The spectrum from 9kHz to 1GHz and 18GHz to 40 GHz is investigated with the transmitter set to transmit at the channel with highest output power as worst-case scenario. 1GHz to 18GHz was set to the lowest, middle, and highest channels in the 6 GHz bands.

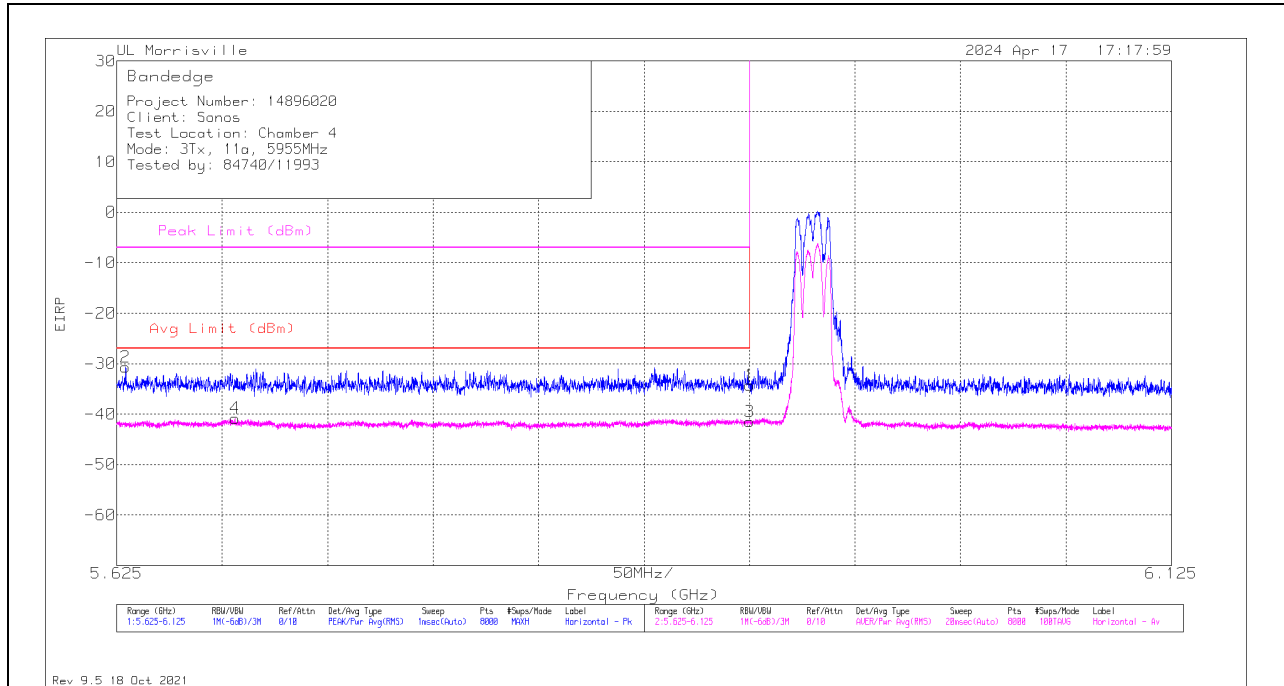
The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized in both the vertical and the horizontal positions.

## 10.1. TRANSMITTER OUTSIDE 5.925-7.125 GHz , 1-18GHz

### 10.1.1. TX ABOVE 1 GHz 802.11a MODE IN THE UNII-5 BAND

#### BANDEDGE (LOW CHANNEL)

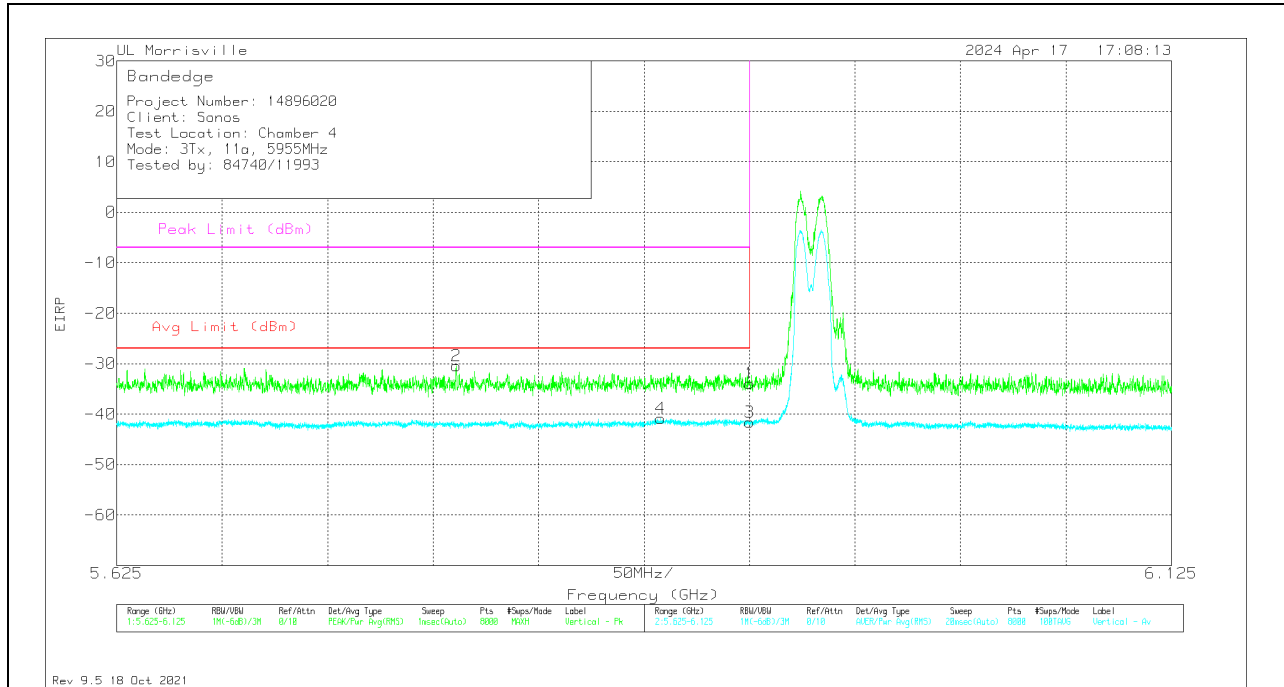
#### HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Avg Limit (dBm)	Margin (dB)	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.62925	-68.62	Pk	34.7	-8.6	11.8	0	-30.72	-27	-3.72	-7	-23.72	342	232	H
4	5.68107	-79.17	RMS	34.7	-8.3	11.8	.17	-40.8	-27	-13.8	-	-	342	232	H
1	5.92498	-72.53	Pk	34.9	-8.4	11.8	0	-34.23	-27	-7.23	-7	-27.23	342	232	H
3	5.92498	-79.95	RMS	34.9	-8.4	11.8	.17	-41.48	-27	-14.48	-	-	342	232	H

Pk - Peak detector  
 RMS - RMS detection

### VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Avg Limit (dBm)	Margin (dB)	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.78596	-68.43	Pk	34.7	-8.5	11.8	0	-30.43	-27	-3.43	-7	-23.43	70	236	V
4	5.88291	-79.63	RMS	34.9	-8.1	11.8	.17	-40.86	-27	-13.86	-	-	70	236	V
1	5.92498	-72.24	Pk	34.9	-8.4	11.8	0	-33.94	-27	-6.94	-7	-26.94	70	236	V
3	5.92498	-80.07	RMS	34.9	-8.4	11.8	.17	-41.6	-27	-14.6	-	-	70	236	V

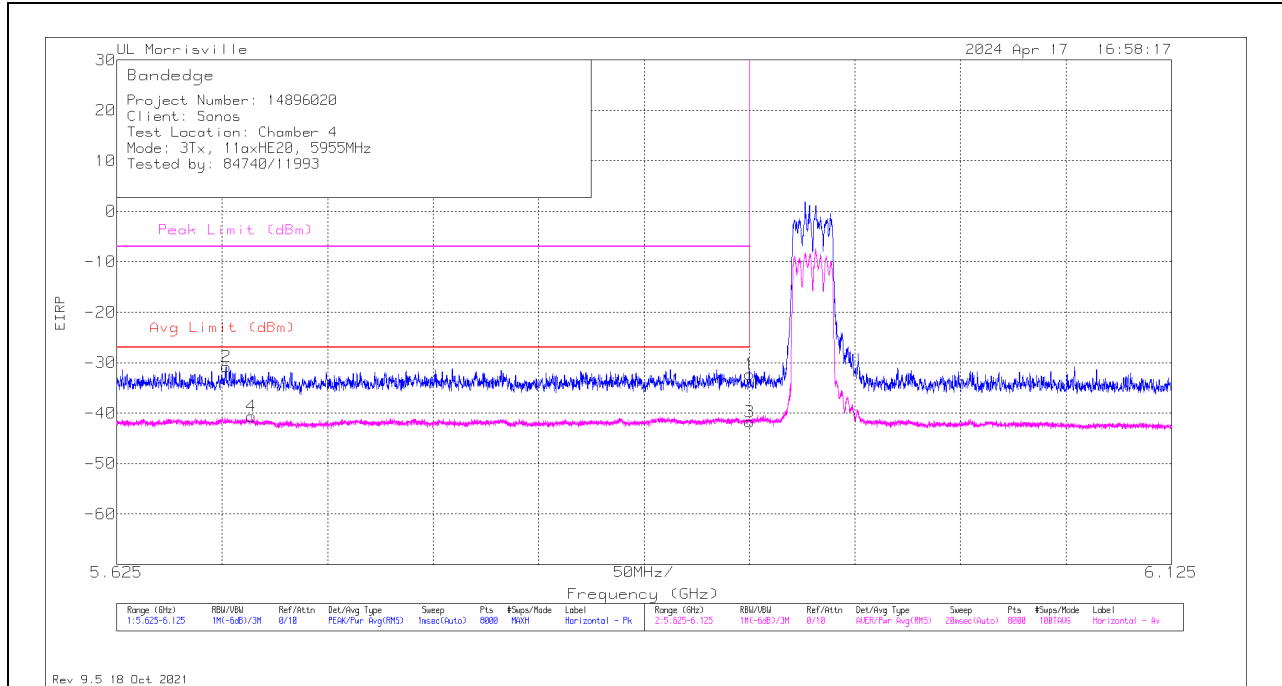
Pk - Peak detector  
 RMS - RMS detection

**10.1.2. TX ABOVE 1 GHz 802.11ax HE20 MODE IN THE UNII-5 BAND**

**3TX CHAIN 0 + CHAIN 1 + CHAIN 2 OFDMA MODE: SU**

**BANDEDGE (LOW CHANNEL)**

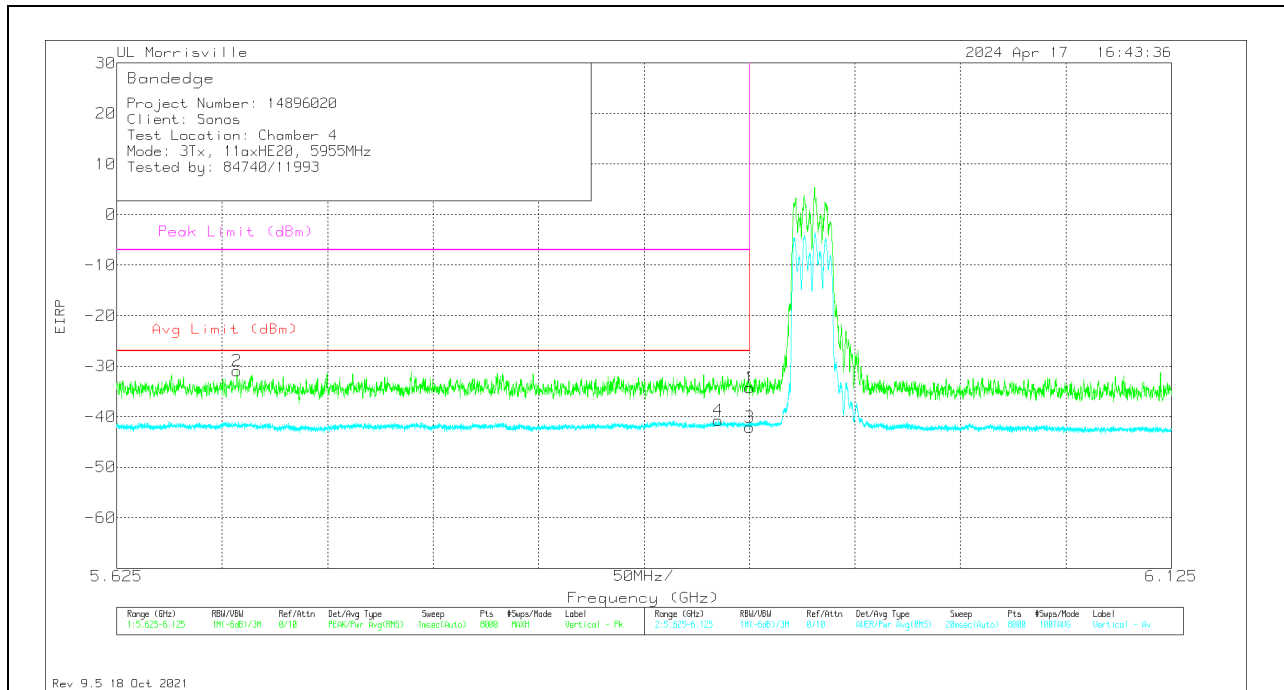
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Avg Limit (dBm)	Margin (dB)	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.67682	-69.09	Pk	34.7	-8.2	11.8	0	-30.79	-27	-3.79	-7	-23.79	295	259	H
4	5.68895	-79.21	RMS	34.7	-8.2	11.8	.24	-40.67	-27	-13.67	-	-	295	259	H
1	5.92498	-70.62	Pk	34.9	-8.4	11.8	0	-32.32	-27	-5.32	-7	-25.32	295	259	H
3	5.92498	-80.3	RMS	34.9	-8.4	11.8	.24	-41.76	-27	-14.76	-	-	295	259	H

Pk - Peak detector  
 RMS - RMS detection

### VERTICAL RESULT



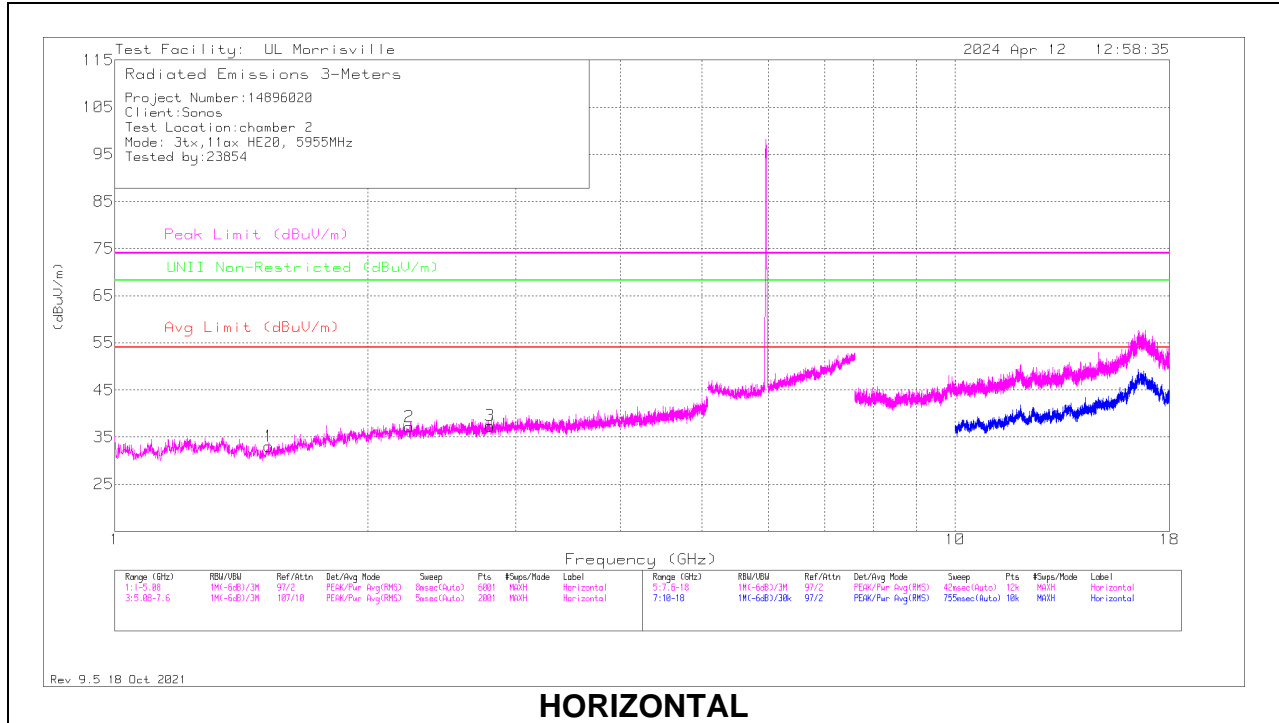
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Avg Limit (dBm)	Margin (dB)	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.68201	-69.1	Pk	34.7	-8.3	11.8	0	-30.9	-27	-3.9	-7	-23.9	42	276	V
4	5.91016	-79.48	RMS	34.9	-8.2	11.8	.24	-40.74	-27	-13.74	-	-	42	276	V
1	5.92498	-72.63	Pk	34.9	-8.4	11.8	0	-34.33	-27	-7.33	-7	-27.33	42	276	V
3	5.92498	-80.67	RMS	34.9	-8.4	11.8	.24	-42.13	-27	-15.13	-	-	42	276	V

Pk - Peak detector  
 RMS - RMS detection

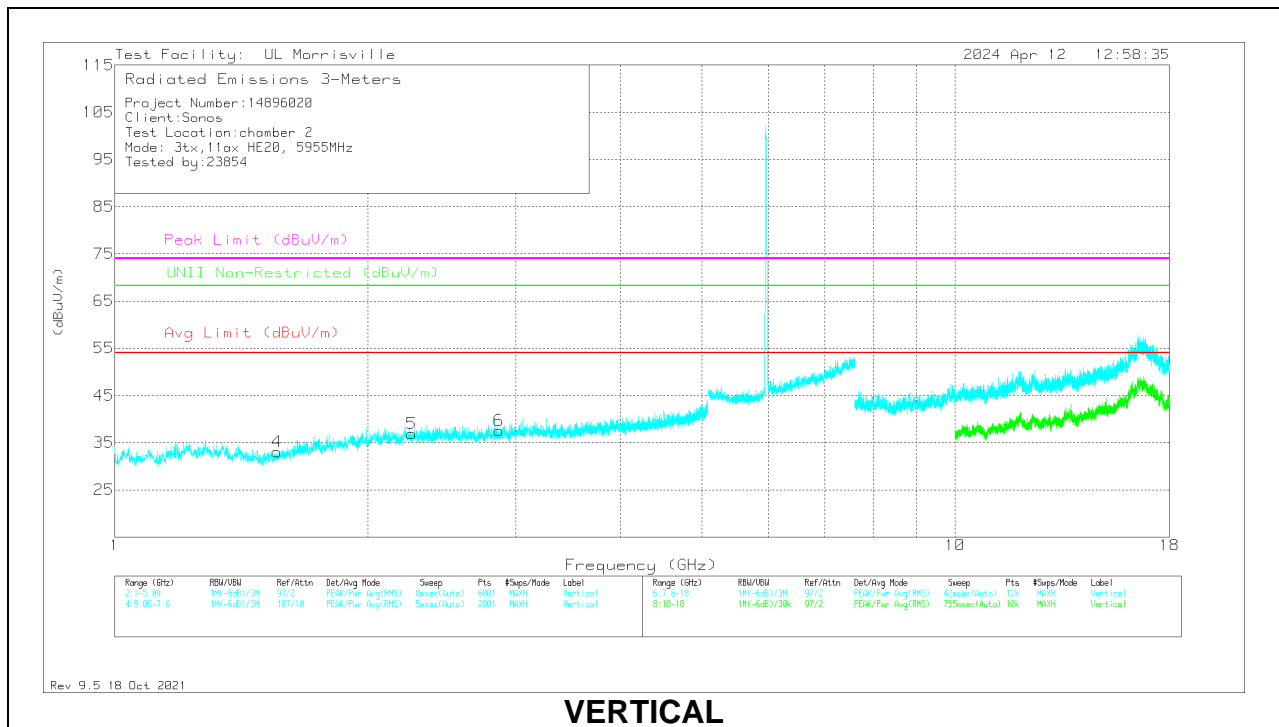


# HARMONICS AND SPURIOUS EMISSIONS

## LOW CHANNEL



## HORIZONTAL

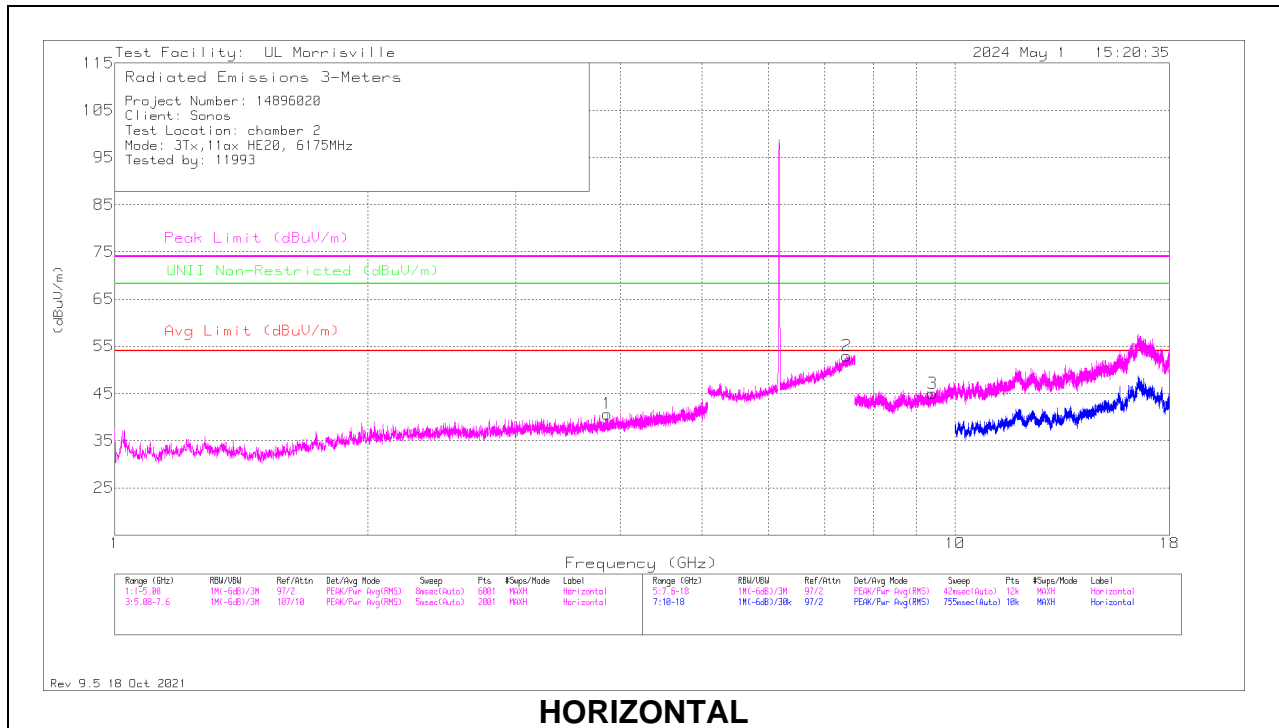


## VERTICAL

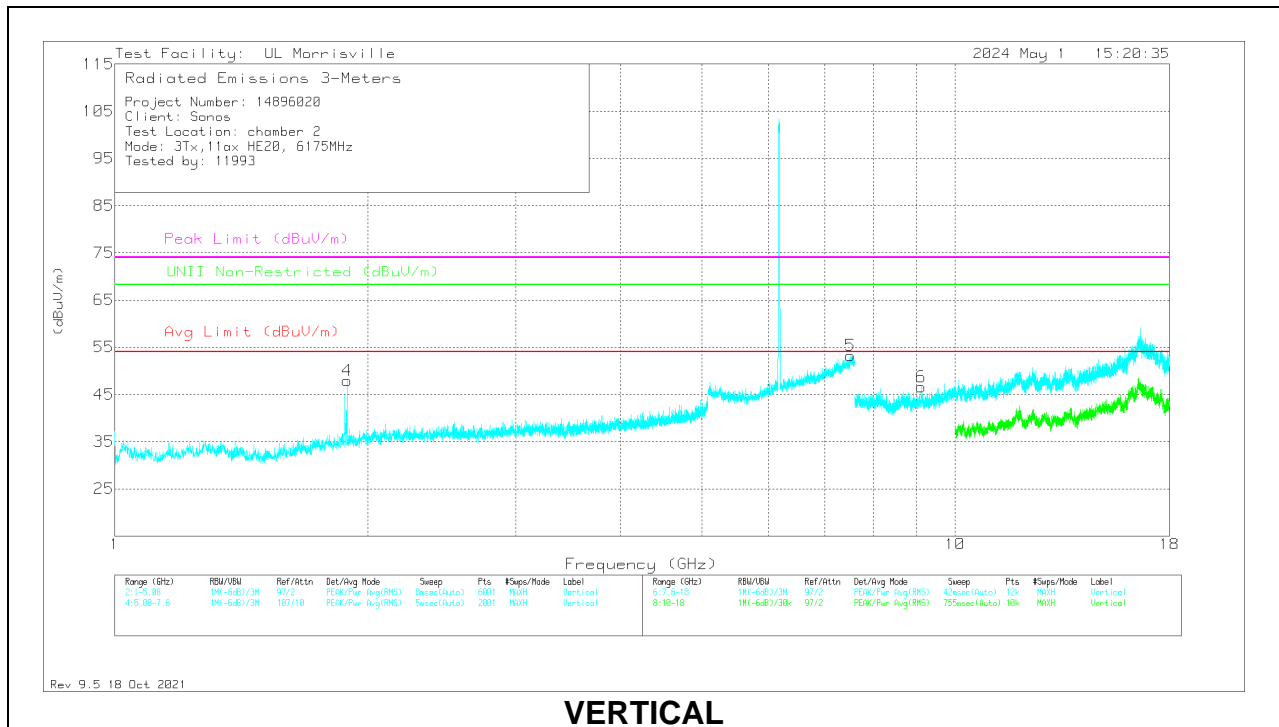
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	86408 (dB/m)	Gain/Loss (dB)	Filter (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 1.52564	39.69	Pk	27.9	-34.6	0	0	32.99	54	-21.01	74	-41.01	-	-	0-360	200	H
2	* ** 2.241	38.81	Pk	32	-33.6	0	0	37.21	54	-16.79	74	-36.79	-	-	0-360	200	H
3	* ** 2.79928	38.37	Pk	32.5	-33.5	0	0	37.37	54	-16.63	74	-36.63	-	-	0-360	200	H
4	* ** 1.56032	39.53	Pk	28	-34.5	0	0	33.03	54	-20.97	74	-40.97	-	-	0-360	200	V
5	* ** 2.25664	38.55	Pk	32	-33.7	0	0	36.85	54	-17.15	74	-37.15	-	-	0-360	200	V
6	* ** 2.86388	38.49	Pk	32.6	-33.5	0	0	37.59	54	-16.41	74	-36.41	-	-	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

### MID CHANNEL



### HORIZONTAL



### VERTICAL

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	86408 (dB/m)	Gain/Loss (dB)	Filter (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 3.856	39.49	Pk	33.3	-32.1	0	0	40.69	54	-13.31	74	-33.31	-	-	0-360	200	H
4	** 1.8908	51.07	Pk	30.9	-34.1	0	0	47.87	54	-6.13	74	-26.13	68.2	-20.33	0-360	200	V
2	*** 7.4265	34.82	PK-U	35.6	-17	0	0	53.42	-	-	74	-20.58	-	-	131	255	H
	*** 7.42803	23.42	ADR	35.6	-17	0	.24	42.26	54	-11.74	-	-	-	-	131	255	H
5	*** 7.51323	35.03	PK-U	35.7	-16.5	0	0	54.23	-	-	74	-19.77	-	-	303	210	V
	*** 7.51217	23.19	ADR	35.7	-16.5	0	.24	42.63	54	-11.37	-	-	-	-	303	210	V
3	*** 9.4044	34.09	Pk	36.2	-25.7	.4	0	44.99	54	-9.01	74	-29.01	-	-	0-360	100	H
6	*** 9.12273	36.27	Pk	35.9	-26.1	.5	0	46.57	54	-7.43	74	-27.43	-	-	0-360	200	V

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

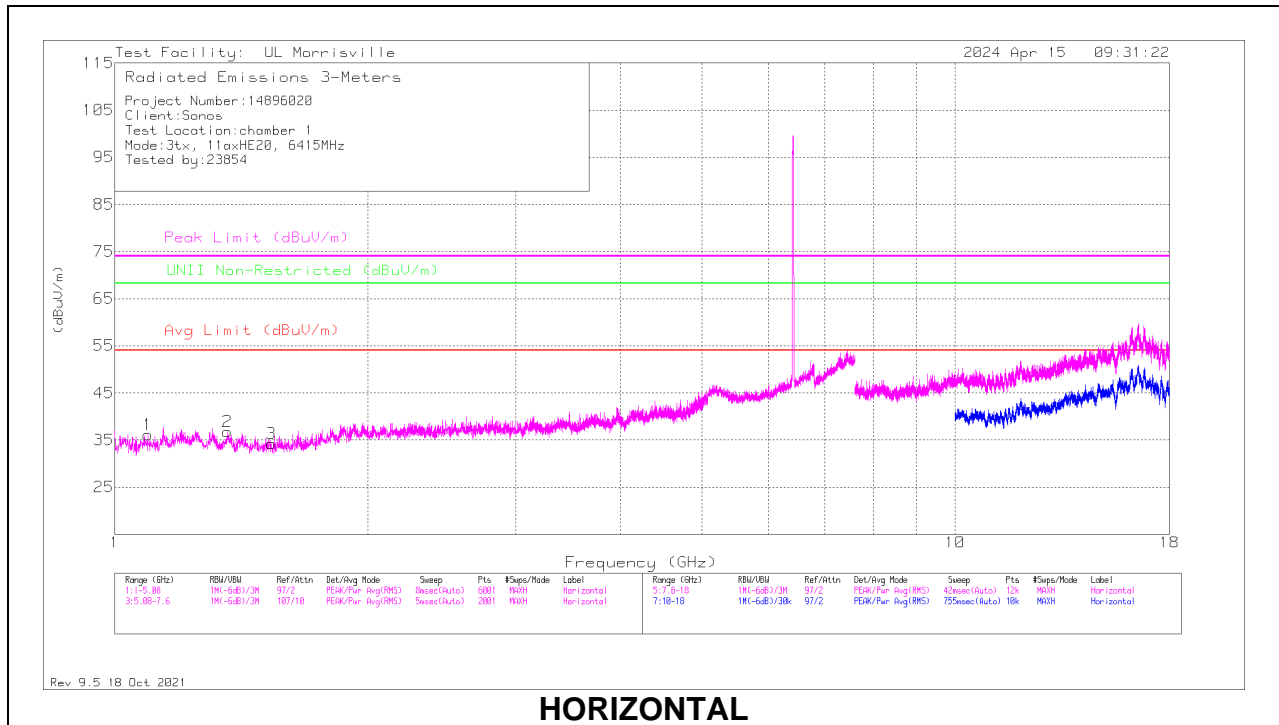
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

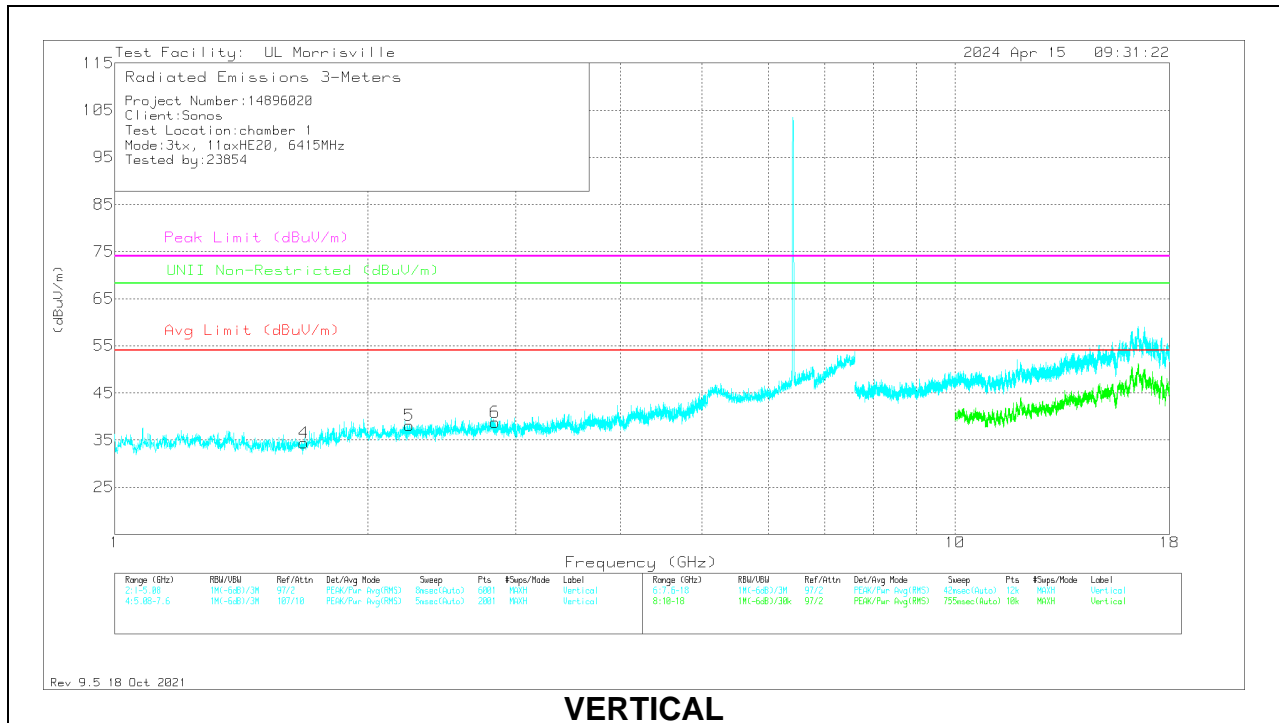
PK-U - Maximum Peak

ADR - RMS average

### HIGH CHANNEL



### HORIZONTAL



### VERTICAL

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Filter (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 1.09452	43.29	Pk	27.8	-35	0	0	36.09	54	-17.91	74	-37.91	-	-	0-360	200	H
2	*** 1.36244	42.2	Pk	29	-34.4	0	0	36.8	54	-17.2	74	-37.2	-	-	0-360	200	H
3	*** 1.53584	40.72	Pk	28.1	-34.6	0	0	34.22	54	-19.78	74	-39.78	-	-	0-360	101	H
4	*** 1.68	40.07	Pk	28.5	-34.2	0	0	34.37	54	-19.63	74	-39.63	-	-	0-360	200	V
5	*** 2.23964	40.06	Pk	31.6	-33.6	0	0	38.06	54	-15.94	74	-35.94	-	-	0-360	200	V
6	*** 2.836	39.65	Pk	32.5	-33.4	0	0	38.75	54	-15.25	74	-35.25	-	-	0-360	200	V

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

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

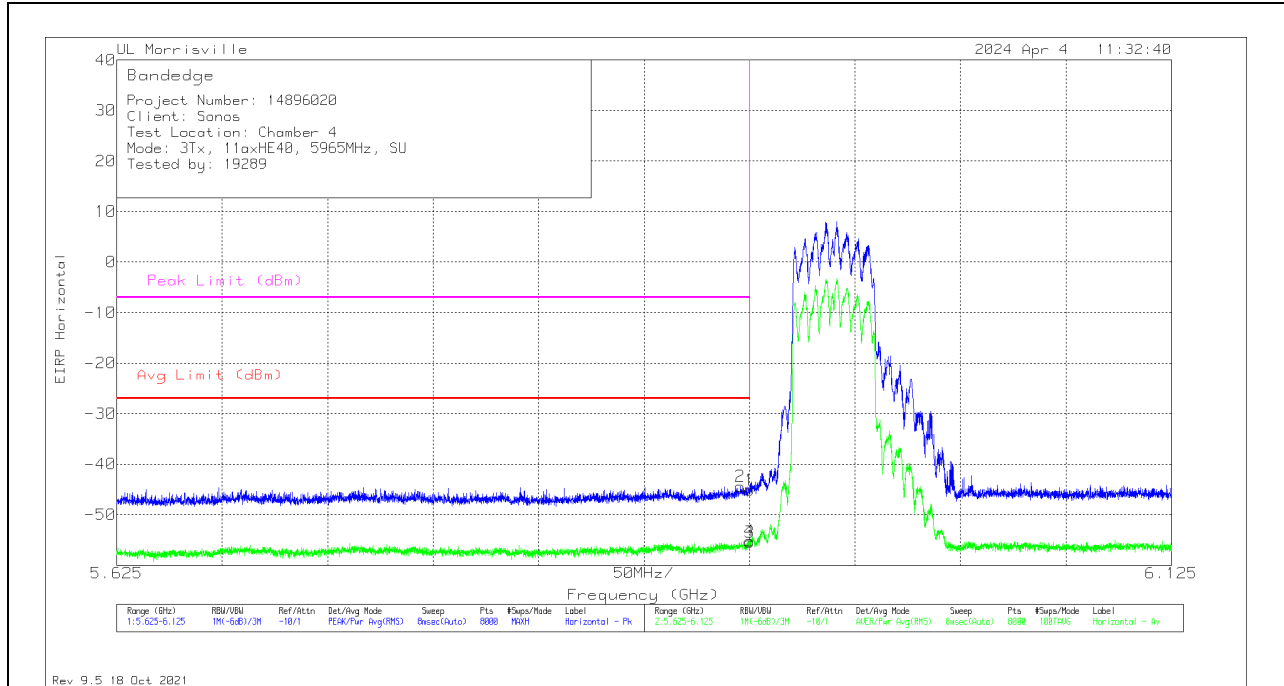
Pk - Peak detector

### 10.1.3. TX ABOVE 1 GHz 802.11ax HE40 MODE IN THE UNII-5 BAND

#### 3TX CHAIN 0 + CHAIN 1 + CHAIN 2 OFDMA MODE: SU

#### BANDEDGE (LOW CHANNEL)

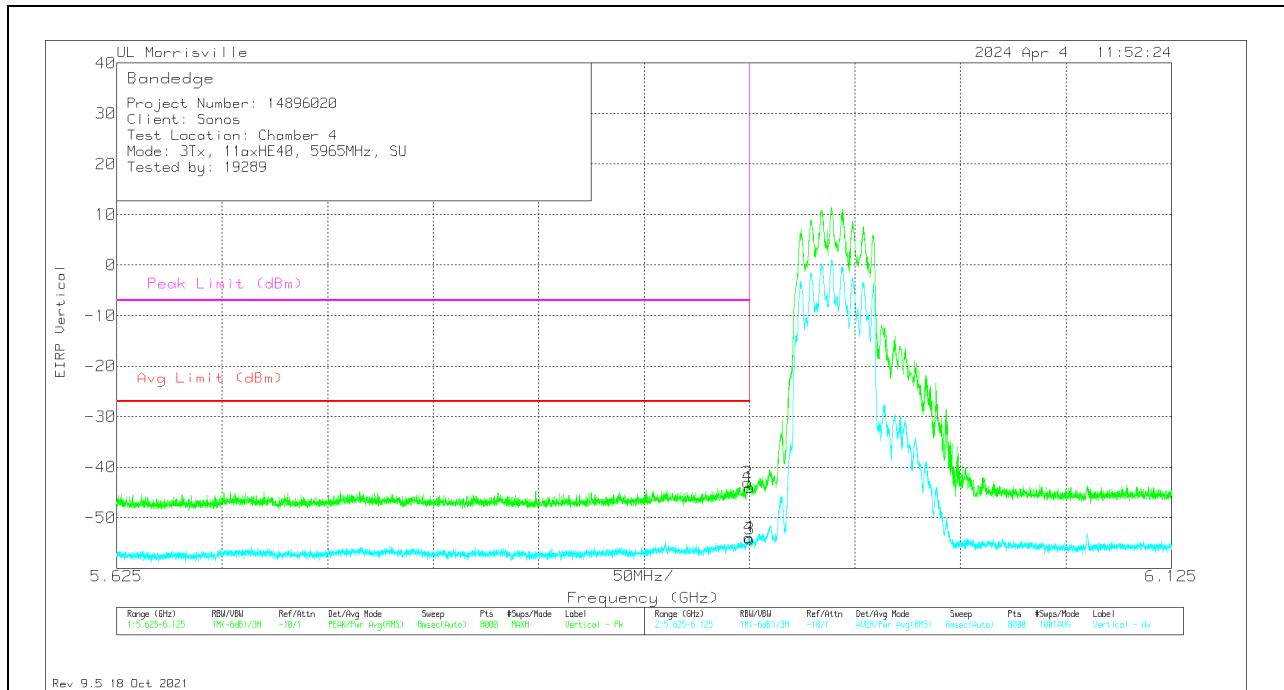
#### HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Avg Limit (dBm)	RMS Margin (dB)	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.92073	-82.83	Pk	34.9	-8.3	11.8	0	-44.43	-	-	-7	-37.43	311	285	H
4	5.92491	-93.98	RMS	34.9	-8.4	11.8	.44	-55.24	-27	-28.24	-	-	311	285	H
1	5.92498	-83.43	Pk	34.9	-8.4	11.8	0	-45.13	-	-	-7	-38.13	311	285	H
3	5.92498	-94.15	RMS	34.9	-8.4	11.8	.44	-55.41	-27	-28.41	-	-	311	285	H

Pk - Peak detector  
 RMS - RMS detection

### VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Avg Limit (dBm)	RMS Margin (dB)	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.92404	-81.28	Pk	34.9	-8.4	11.8	0	-42.98	-	-	-7	-35.98	54	228	V
4	5.92466	-92.63	RMS	34.9	-8.4	11.8	.44	-53.89	-27	-26.89	-	-	54	228	V
1	5.92498	-82.35	Pk	34.9	-8.4	11.8	0	-44.05	-	-	-7	-37.05	54	228	V
3	5.92498	-92.97	RMS	34.9	-8.4	11.8	.44	-54.23	-27	-27.23	-	-	54	228	V

Pk - Peak detector  
 RMS - RMS detection

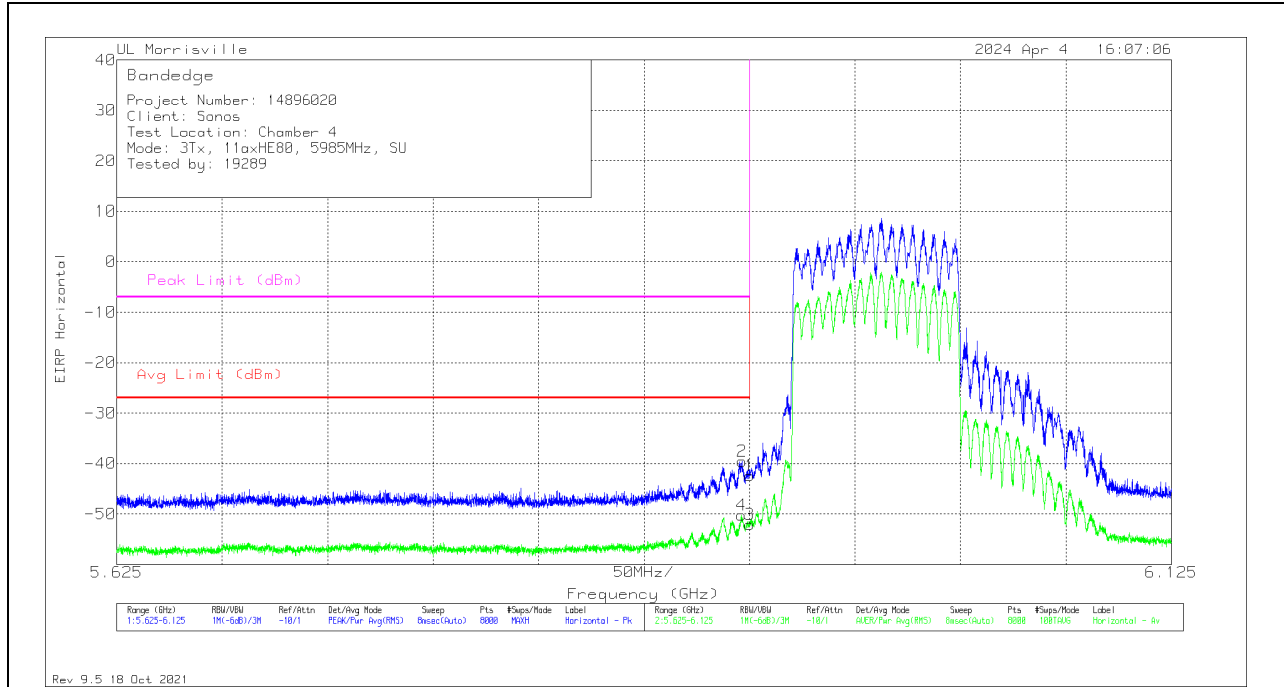


### 10.1.4. TX ABOVE 1 GHz 802.11ax HE80 MODE IN THE UNII-5 BAND

#### 3TX CHAIN 0 + CHAIN 1 + CHAIN 2 OFDMA MODE: SU

#### BANDEDGE (LOW CHANNEL)

#### HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Avg Limit (dBm)	RMS Margin (dB)	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	5.92129	-89.25	RMS	34.9	-8.4	11.8	.67	-50.28	-27	-23.28	-	-	141	257	H
2	5.92135	-77.83	Pk	34.9	-8.4	11.8	0	-39.53	-	-	-7	-32.53	141	257	H
1	5.92498	-80.73	Pk	34.9	-8.4	11.8	0	-42.43	-	-	-7	-35.43	141	257	H
3	5.92498	-91.04	RMS	34.9	-8.4	11.8	.67	-52.07	-27	-25.07	-	-	141	257	H

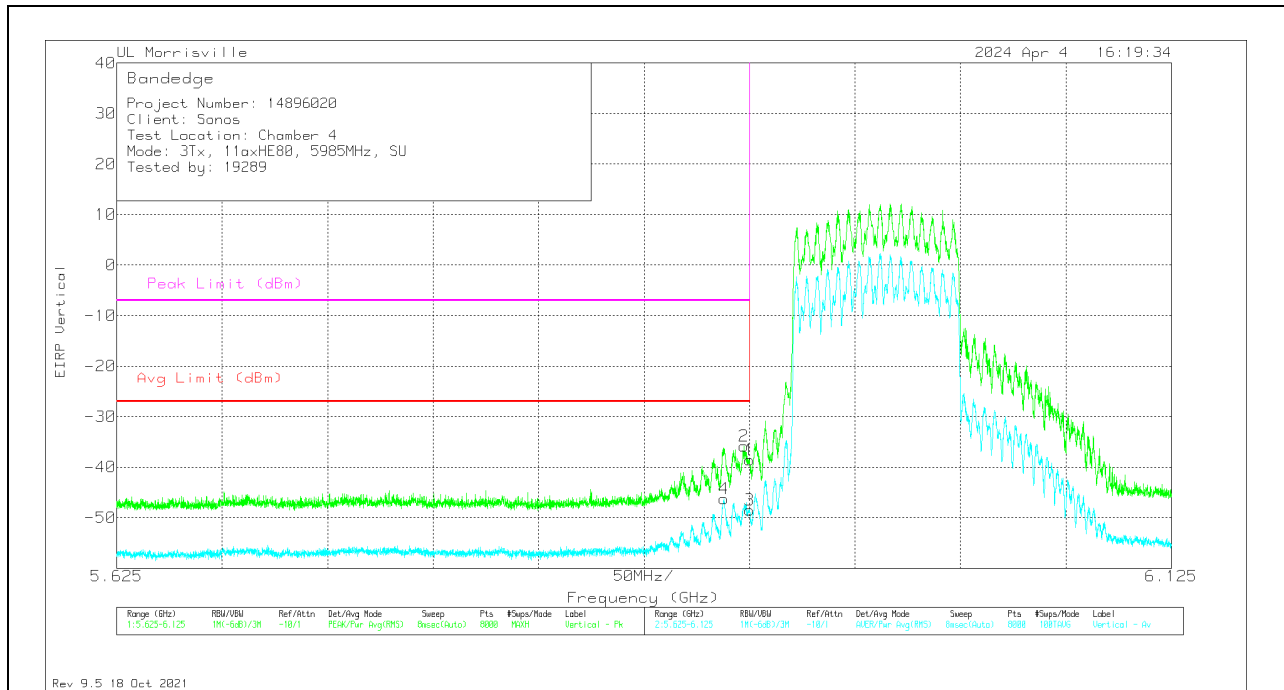
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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

Pk - Peak detector

RMS - RMS detection

### VERTICAL RESULT

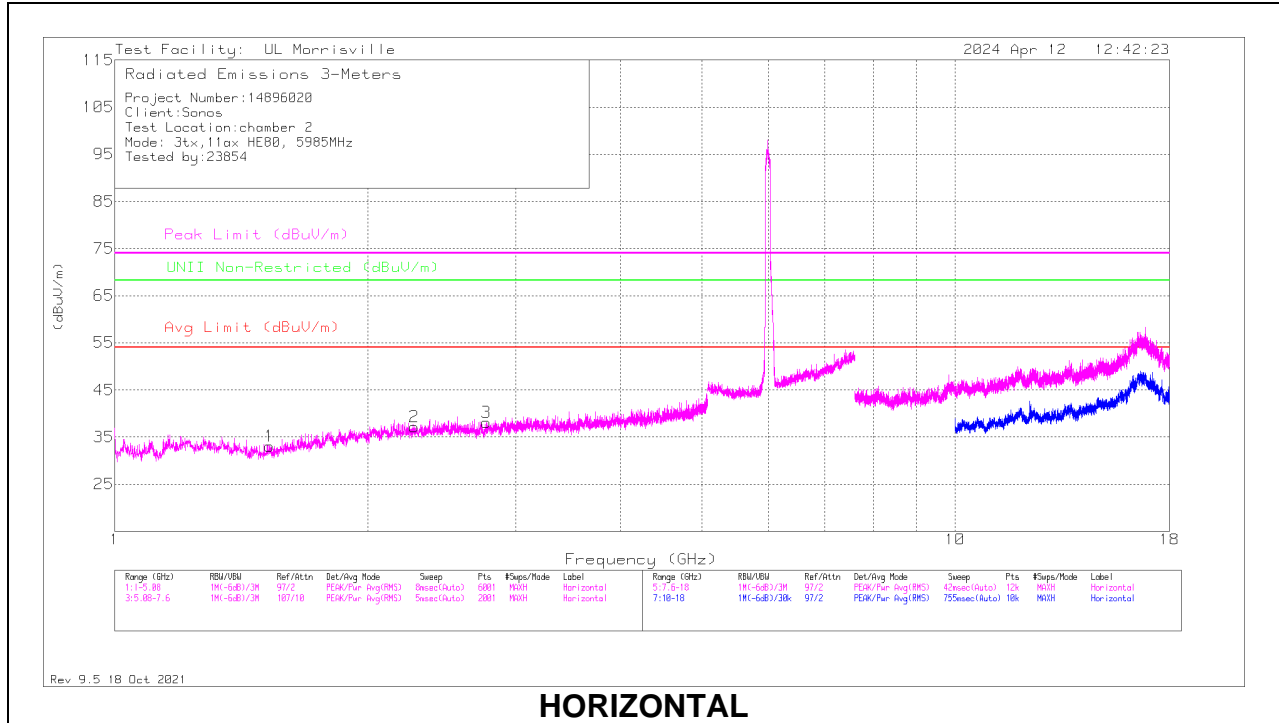


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Avg Limit (dBm)	RMS Margin (dB)	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	5.91291	-85.3	RMS	34.9	-8.3	11.8	.67	-46.23	-27	-19.23	-	-	56	220	V
2	5.92229	-74.13	Pk	34.9	-8.4	11.8	0	-35.83	-	-	-7	-28.83	56	220	V
1	5.92498	-76.81	Pk	34.9	-8.4	11.8	0	-38.51	-	-	-7	-31.51	56	220	V
3	5.92498	-87.44	RMS	34.9	-8.4	11.8	.67	-48.47	-27	-21.47	-	-	56	220	V

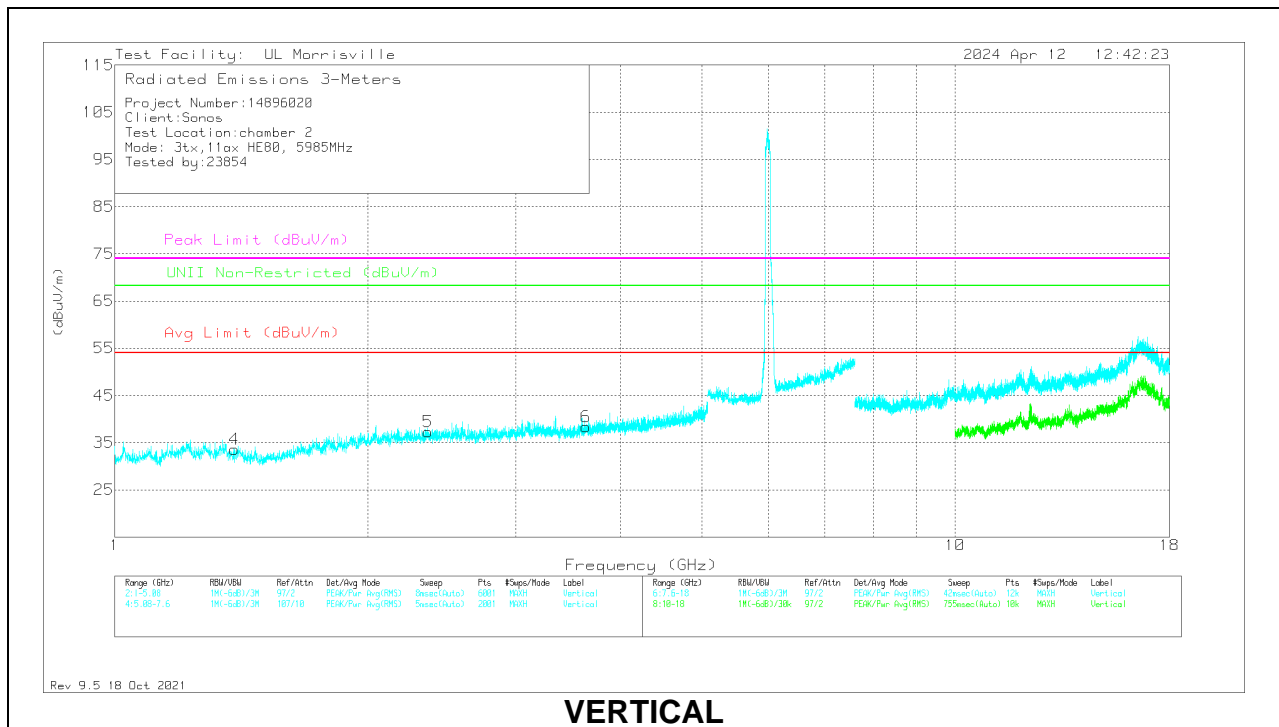
Pk - Peak detector  
 RMS - RMS detection

# HARMONICS AND SPURIOUS EMISSIONS

## LOW CHANNEL



## HORIZONTAL



## VERTICAL

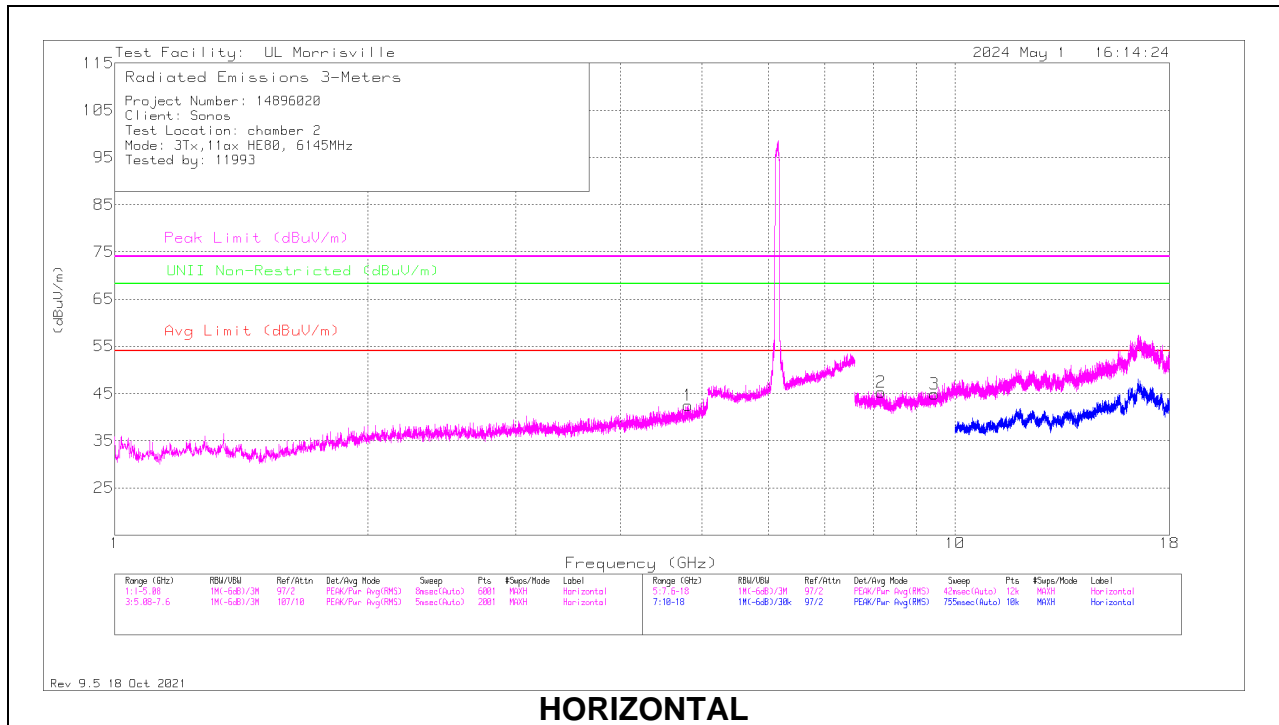
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	86408 (dB/m)	Gain/Loss (dB)	Filter (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 1.52836	39.73	Pk	27.9	-34.6	0	0	33.03	54	-20.97	74	-40.97	-	-	0-360	199	H
2	* ** 2.27092	38.95	Pk	32	-33.8	0	0	37.15	54	-16.85	74	-36.85	-	-	0-360	199	H
3	* ** 2.76732	38.93	Pk	32.4	-33.2	0	0	38.13	54	-15.87	74	-35.87	-	-	0-360	101	H
4	* ** 1.38828	39.32	Pk	28.7	-34.5	0	0	33.52	54	-20.48	74	-40.48	-	-	0-360	101	V
5	* ** 2.35864	38.99	Pk	32.1	-33.8	0	0	37.29	54	-16.71	74	-36.71	-	-	0-360	101	V
6	* ** 3.63772	37.07	Pk	33.1	-31.8	0	0	38.37	54	-15.63	74	-35.63	-	-	0-360	101	V

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

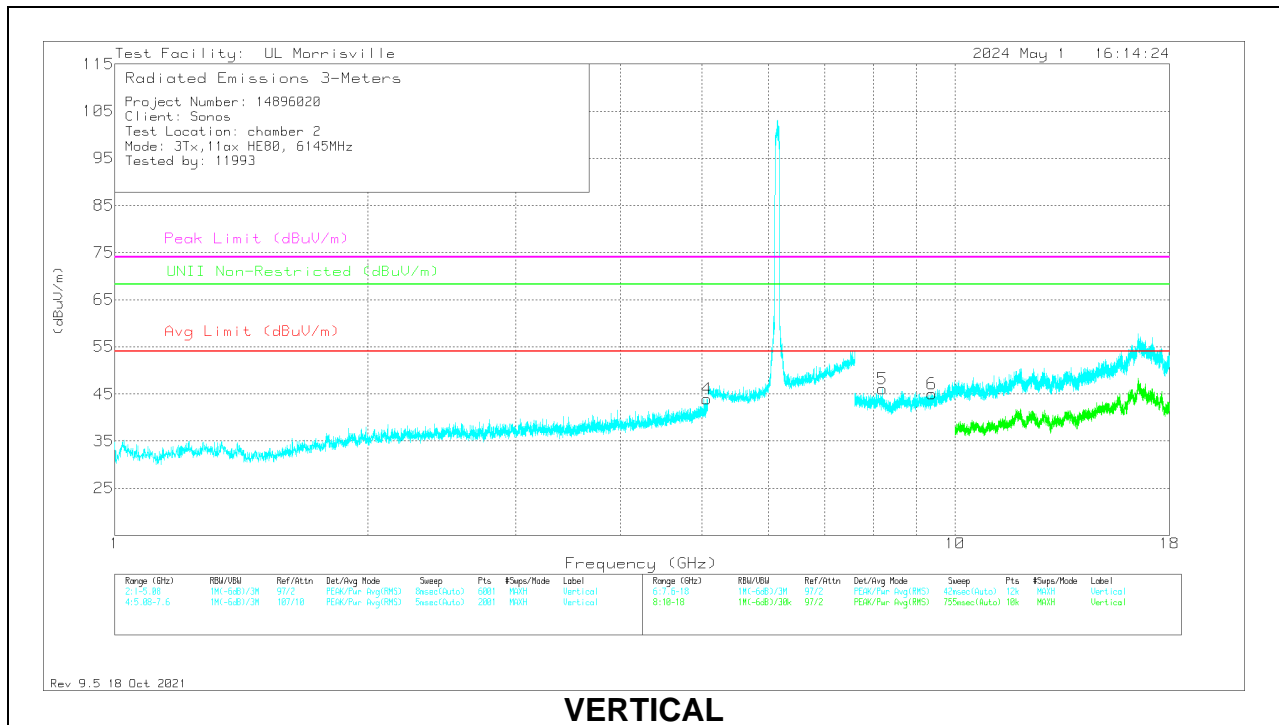
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

### MID CHANNEL



### HORIZONTAL



### VERTICAL

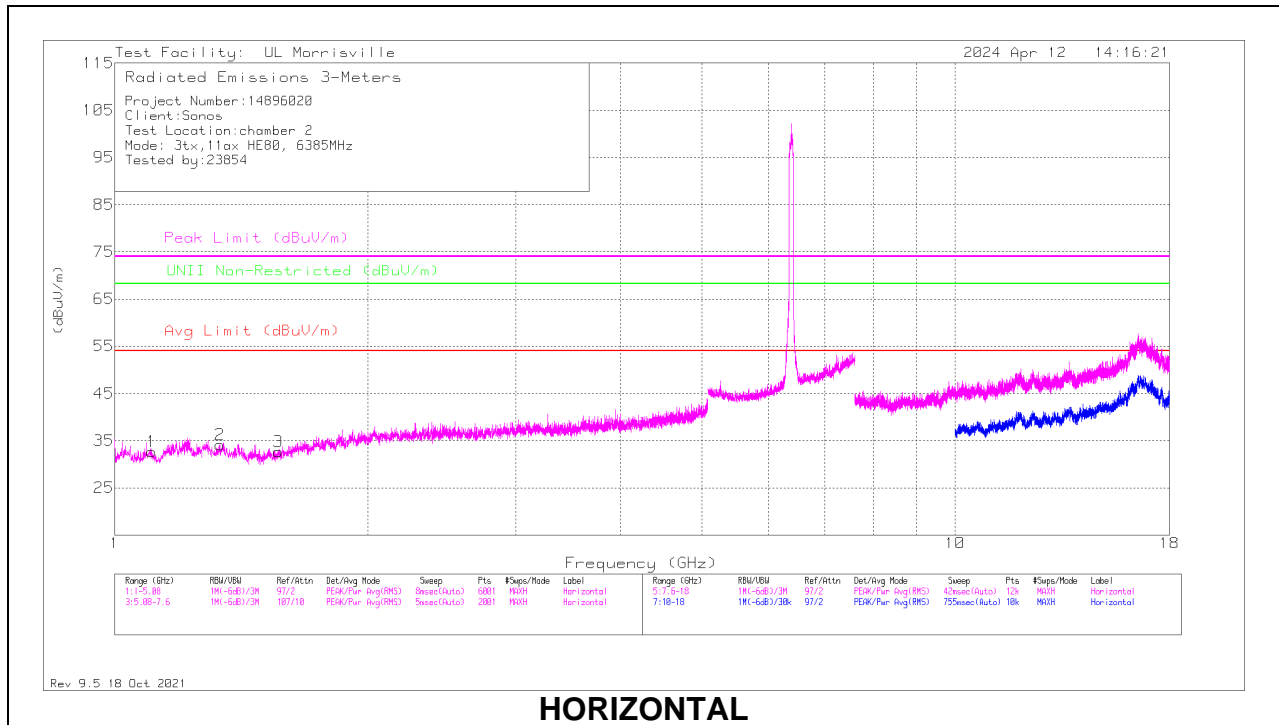
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	86408 (dB/m)	Gain/Loss (dB)	Filter (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 4.81344	38.29	Pk	34.2	-30	0	0	42.49	54	-11.51	74	-31.51	-	-	0-360	101	H
4	* ** 5.06708	38.41	Pk	34.1	-28.6	0	0	43.91	54	-10.09	74	-30.09	-	-	0-360	101	V
2	* ** 8.17287	35.74	Pk	35.8	-27	.7	0	45.24	54	-8.76	74	-28.76	-	-	0-360	199	H
3	* ** 9.45033	34.19	Pk	36.3	-26	.4	0	44.89	54	-9.11	74	-29.11	-	-	0-360	199	H
5	* ** 8.19107	36.24	Pk	35.8	-26.8	.8	0	46.04	54	-7.96	74	-27.96	-	-	0-360	199	V
6	* ** 9.38013	34.37	Pk	36.2	-25.9	.3	0	44.97	54	-9.03	74	-29.03	-	-	0-360	199	V

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

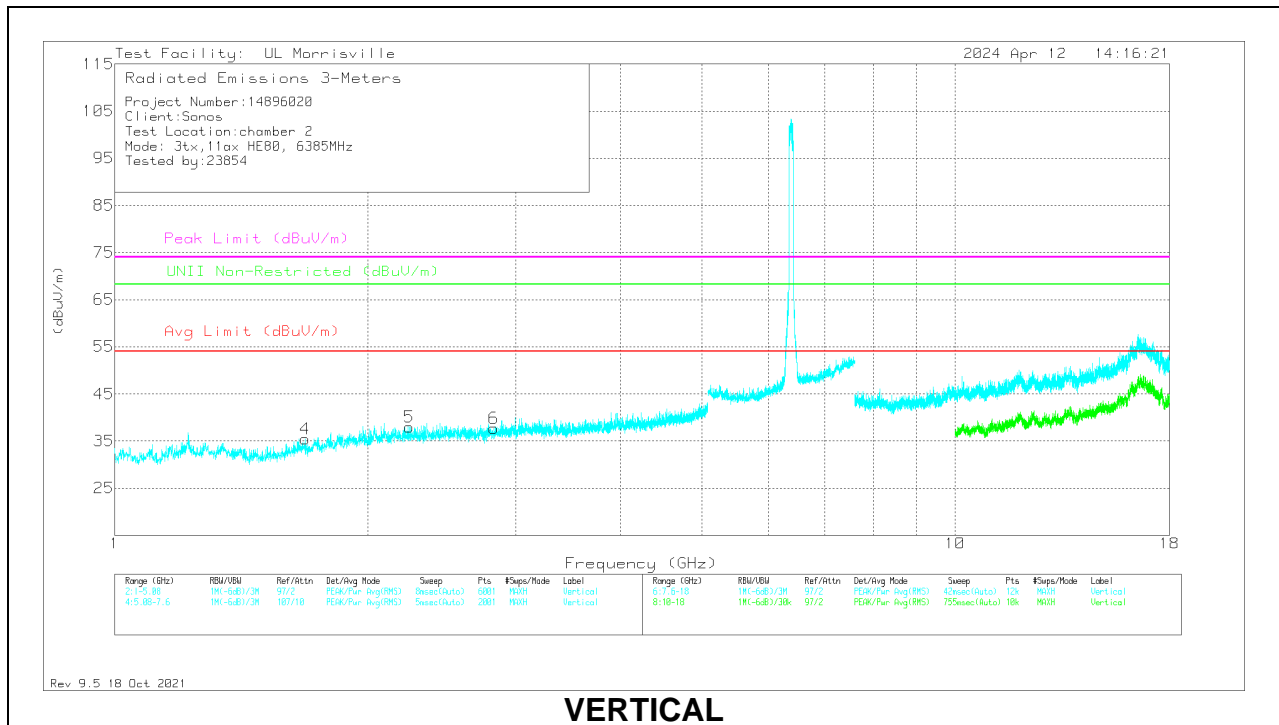
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

### HIGH CHANNEL



### HORIZONTAL



### VERTICAL

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	86408 (dB/m)	Gain/Loss (dB)	Filter (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 1.10676	39.98	Pk	27.7	-35	0	0	32.68	54	-21.32	74	-41.32	-	-	0-360	101	H
2	* ** 1.33524	39.55	Pk	29.2	-34.7	0	0	34.05	54	-19.95	74	-39.95	-	-	0-360	199	H
3	* ** 1.56508	39.01	Pk	28	-34.4	0	0	32.61	54	-21.39	74	-41.39	-	-	0-360	199	H
4	* ** 1.68544	40.08	Pk	29.4	-34.1	0	0	35.38	54	-18.62	74	-38.62	-	-	0-360	199	V
5	* ** 2.24032	39.51	Pk	32	-33.6	0	0	37.91	54	-16.09	74	-36.09	-	-	0-360	101	V
6	* ** 2.82784	38.55	Pk	32.6	-33.4	0	0	37.75	54	-16.25	74	-36.25	-	-	0-360	101	V

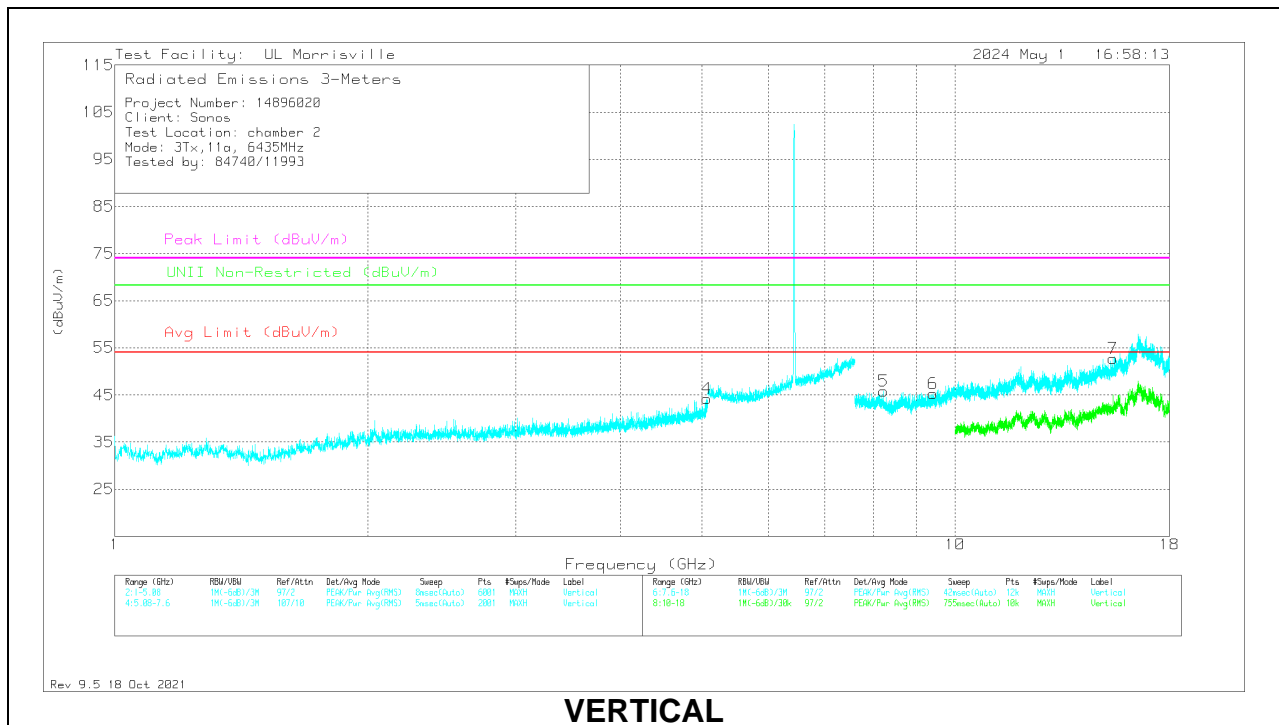
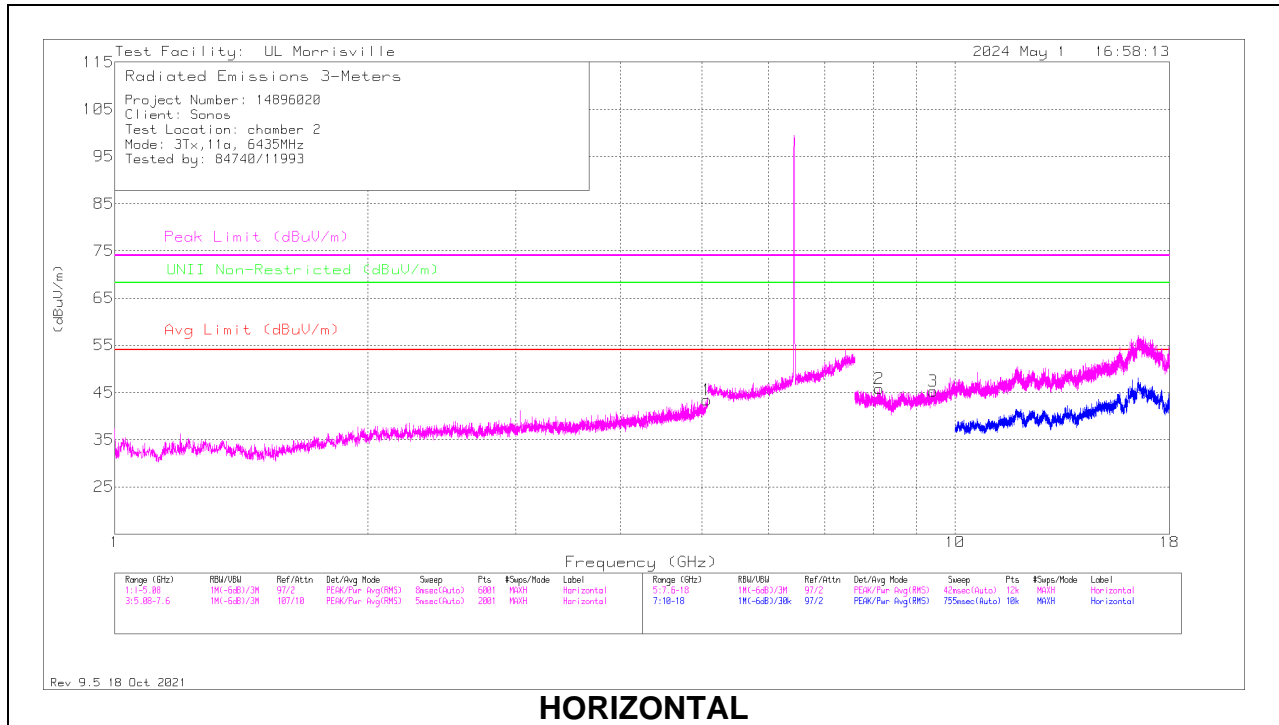
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 \*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band  
 Pk - Peak detector



### 10.1.5. TX ABOVE 1 GHz 802.11a MODE IN THE UNII-6 BAND

## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	86408 (dB/m)	Gain/Loss (dB)	Filter (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 5.06572	37.93	Pk	34.1	-28.6	0	0	43.43	54	-10.57	74	-30.57	-	-	0-360	101	H
4	*** 5.06572	38.77	Pk	34.1	-28.6	0	0	44.27	54	-9.73	74	-29.73	-	-	0-360	101	V
2	*** 8.12693	36.13	Pk	35.8	-27	.9	0	45.83	54	-8.17	74	-28.17	-	-	0-360	200	H
3	** 9.42	34.52	Pk	36.2	-25.8	.4	0	45.32	54	-8.68	74	-28.68	-	-	0-360	101	H
5	*** 8.22747	36.76	Pk	35.8	-27.5	.8	0	45.86	54	-8.14	74	-28.14	-	-	0-360	200	V
6	*** 9.42173	34.61	Pk	36.2	-25.9	.4	0	45.31	54	-8.69	74	-28.69	-	-	0-360	200	V
7	*** 15.41466	33.16	PK-U	40.3	-21.1	.4	0	52.76	-	-	74	-21.24	-	-	277	183	V
	*** 15.41505	21.39	ADR	40.3	-21	.4	.17	41.26	54	-12.74	-	-	-	-	277	183	V

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

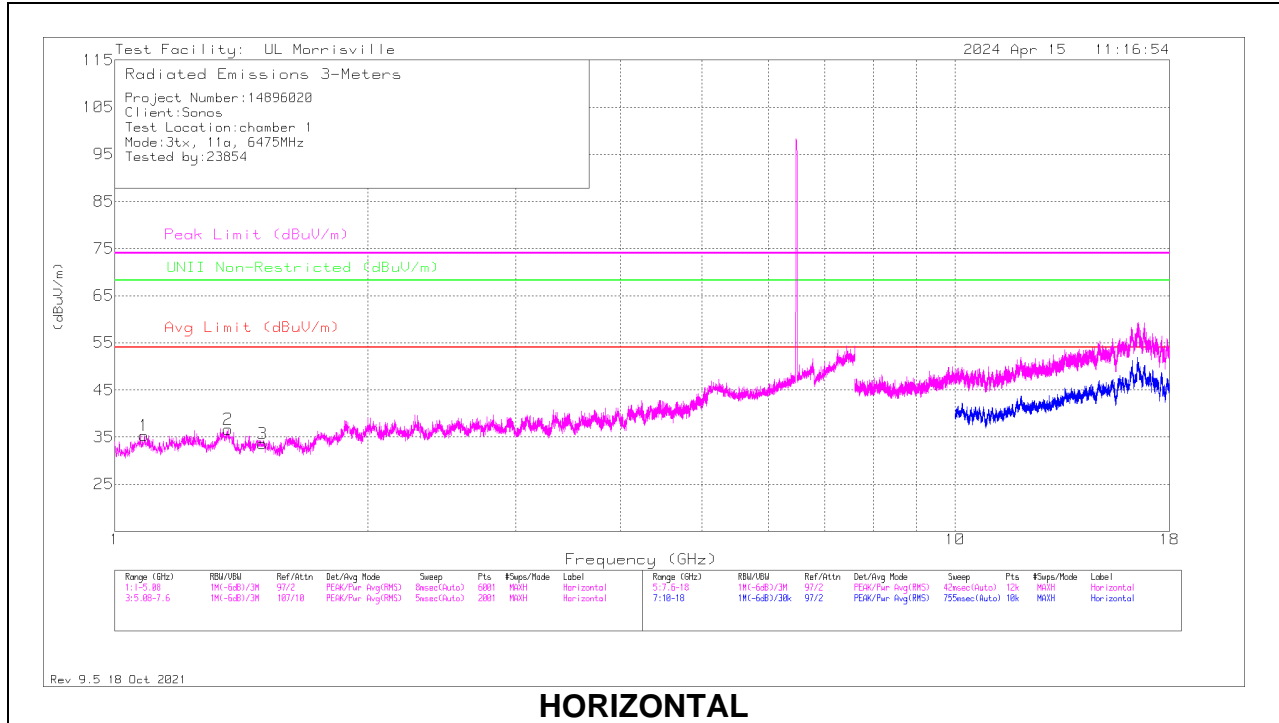
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

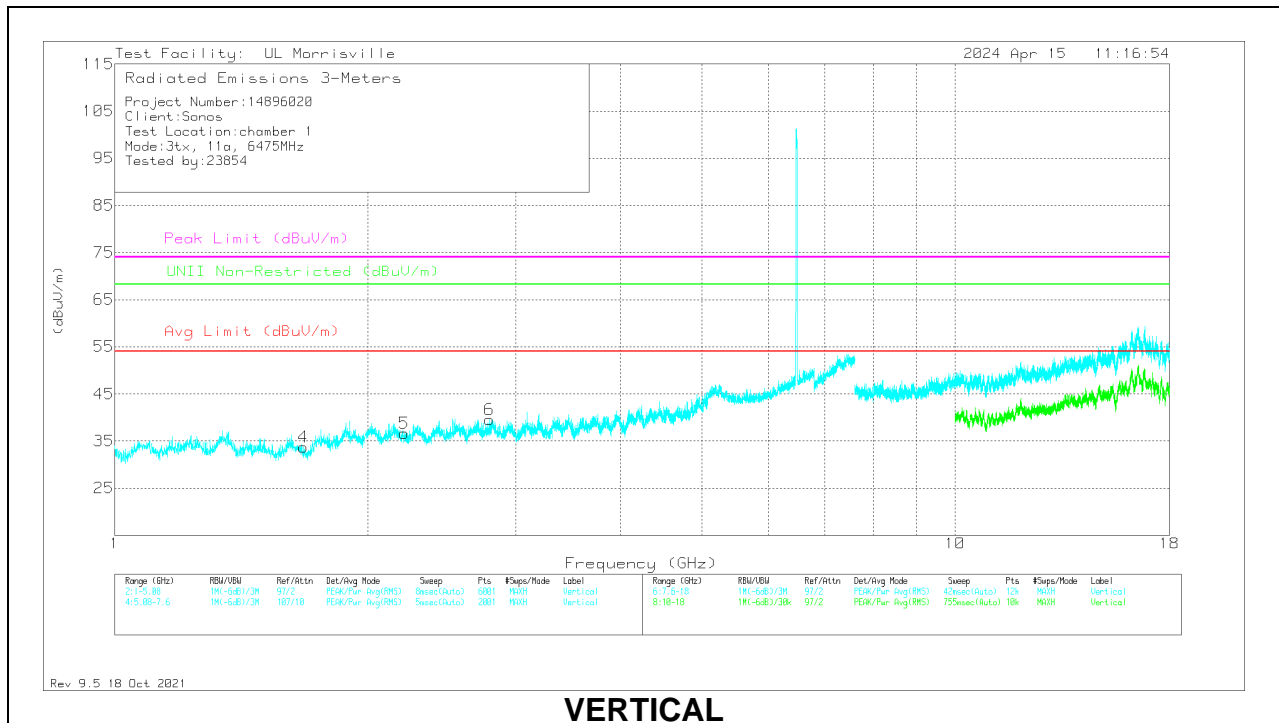
PK-U - Maximum Peak

ADR - RMS average

### MID CHANNEL



### HORIZONTAL



### VERTICAL

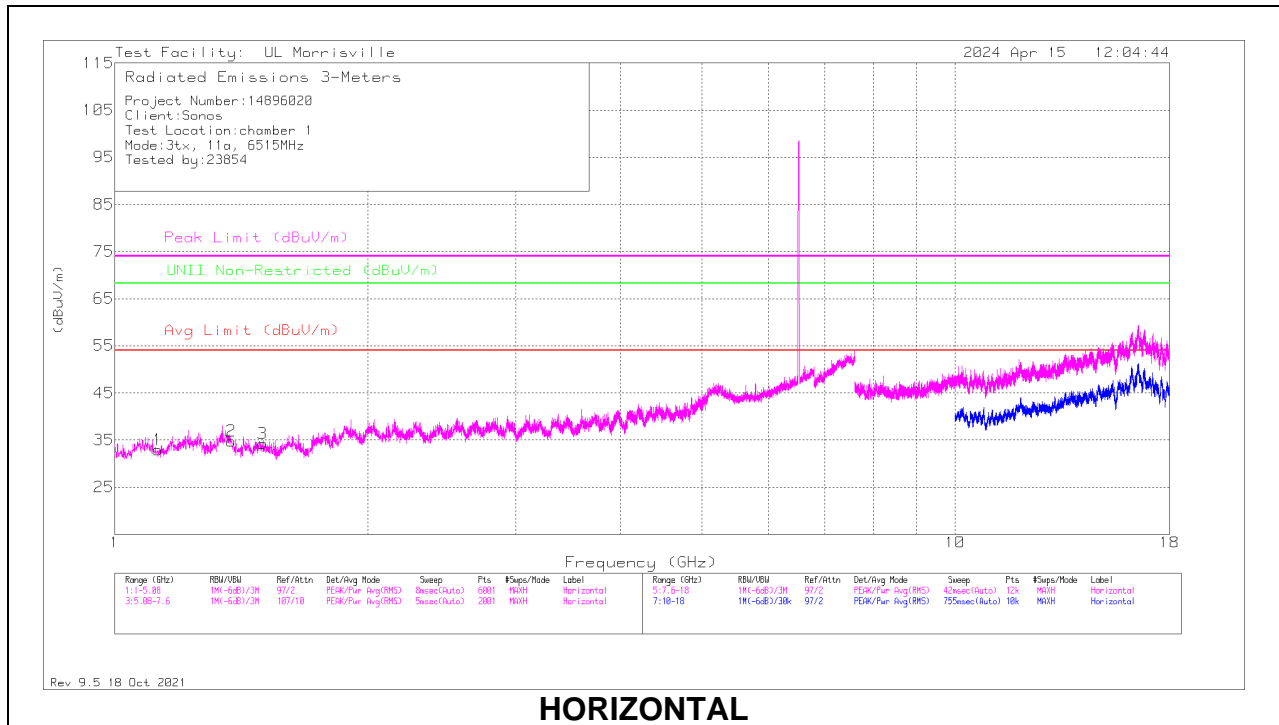
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Filter (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 1.08432	42.46	Pk	27.7	-34.9	0	0	35.26	54	-18.74	74	-38.74	-	-	0-360	101	H
2	*** 1.36448	42.12	Pk	28.9	-34.4	0	0	36.62	54	-17.38	74	-37.38	-	-	0-360	200	H
3	*** 1.50048	40.07	Pk	28.2	-34.7	0	0	33.57	54	-20.43	74	-40.43	-	-	0-360	101	H
4	*** 1.67728	39.39	Pk	28.5	-34.2	0	0	33.69	54	-20.31	74	-40.31	-	-	0-360	200	V
5	*** 2.21176	38.81	Pk	31.6	-33.8	0	0	36.61	54	-17.39	74	-37.39	-	-	0-360	101	V
6	*** 2.79248	40.42	Pk	32.5	-33.4	0	0	39.52	54	-14.48	74	-34.48	-	-	0-360	200	V

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

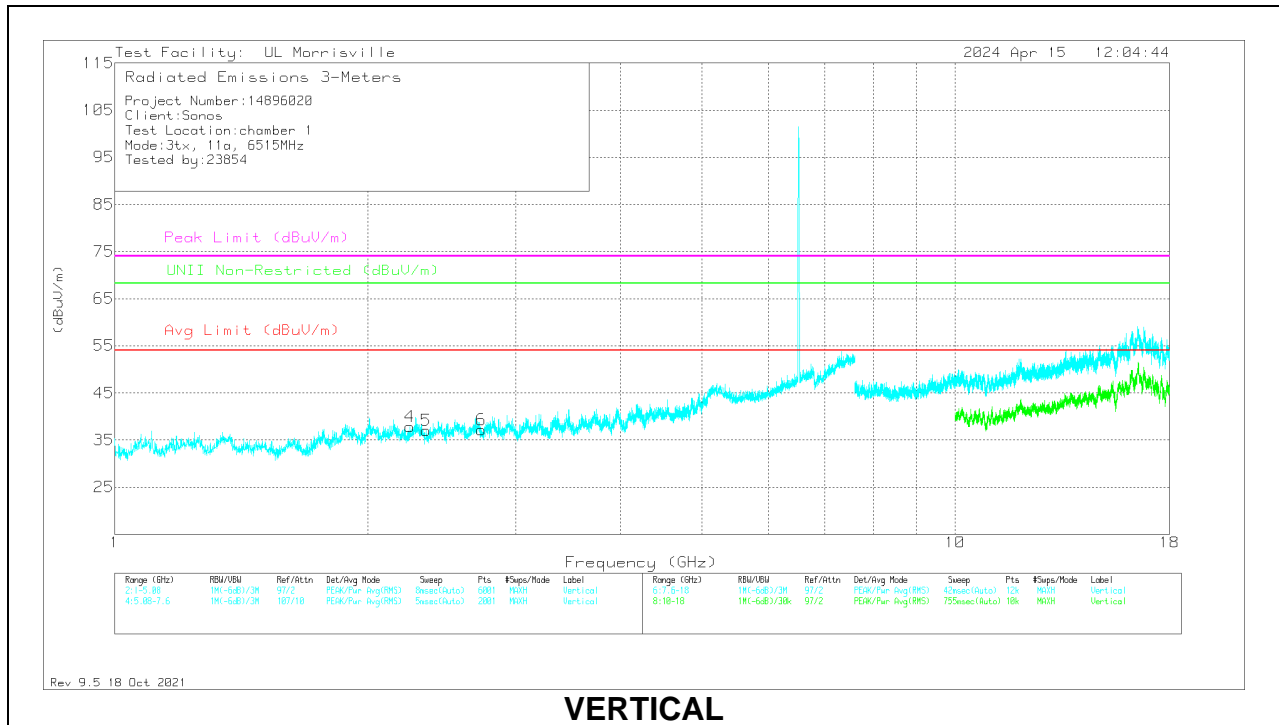
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

### HIGH CHANNEL



### HORIZONTAL



### VERTICAL

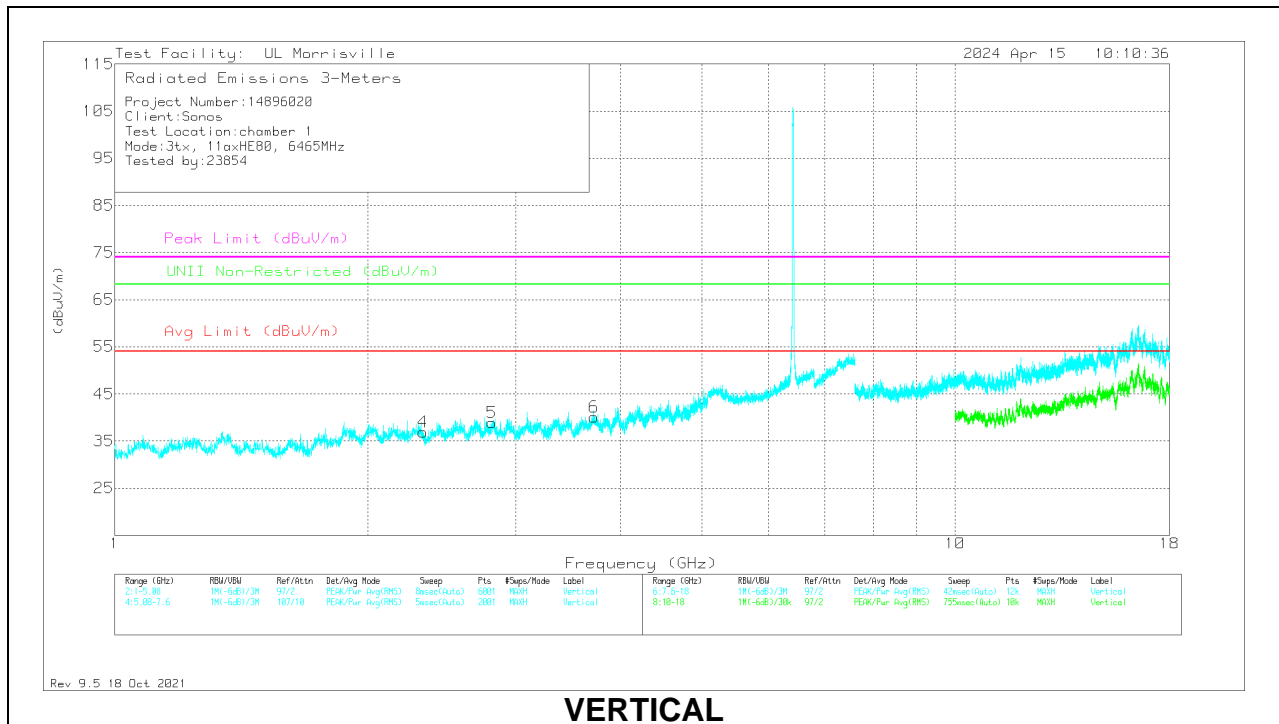
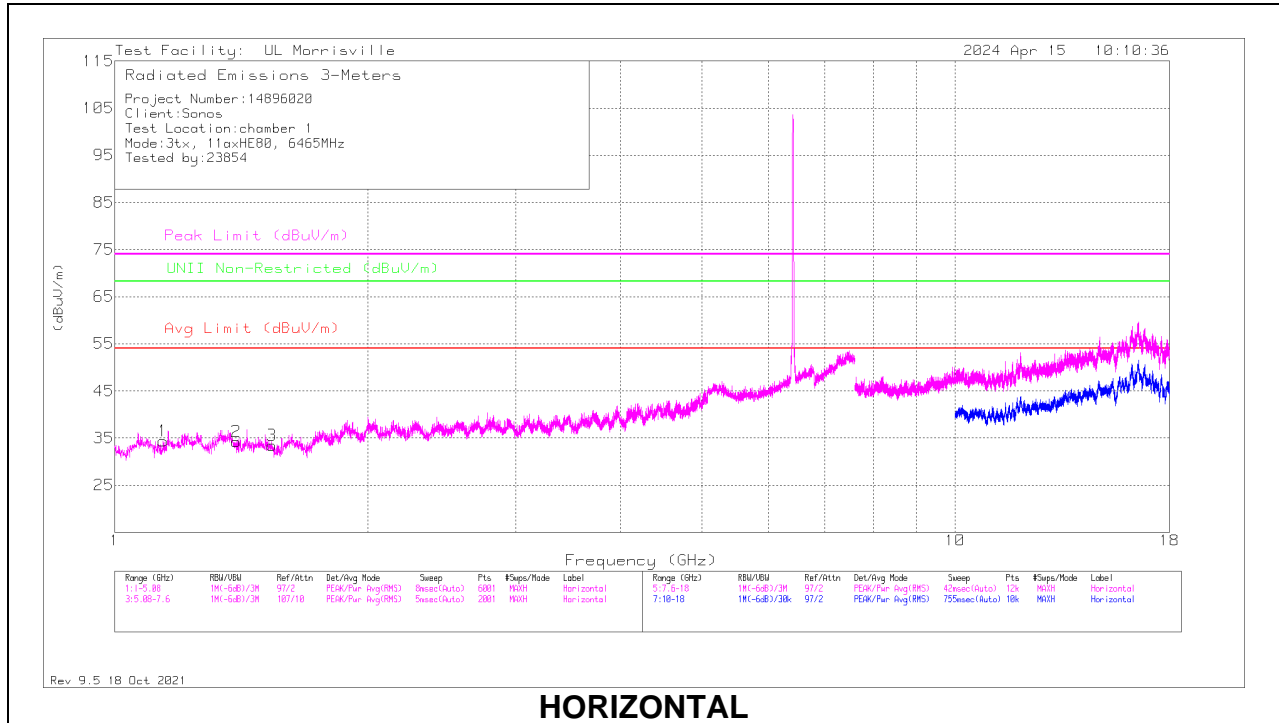
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Filter (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 1.12512	40.12	Pk	28	-35.2	0	0	32.92	54	-21.08	74	-41.08	-	-	0-360	101	H
2	*** 1.37536	40.32	Pk	28.9	-34.4	0	0	34.82	54	-19.18	74	-39.18	-	-	0-360	200	H
3	*** 1.4998	40.7	Pk	28.2	-34.7	0	0	34.2	54	-19.8	74	-39.8	-	-	0-360	101	H
4	*** 2.24644	39.71	Pk	31.6	-33.5	0	0	37.81	54	-16.19	74	-36.19	-	-	0-360	101	V
5	*** 2.3464	39.11	Pk	31.8	-33.9	0	0	37.01	54	-16.99	74	-36.99	-	-	0-360	101	V
6	*** 2.7306	38.06	Pk	32.6	-33.5	0	0	37.16	54	-16.84	74	-36.84	-	-	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

### 10.1.6. TX ABOVE 1 GHz 802.11ax HE80 MODE IN THE UNII-6 BAND

#### 3TX CHAIN 0 + CHAIN 1 + CHAIN 2 OFDMA MODE: SU HARMONICS AND SPURIOUS EMISSIONS

#### LOW CHANNEL

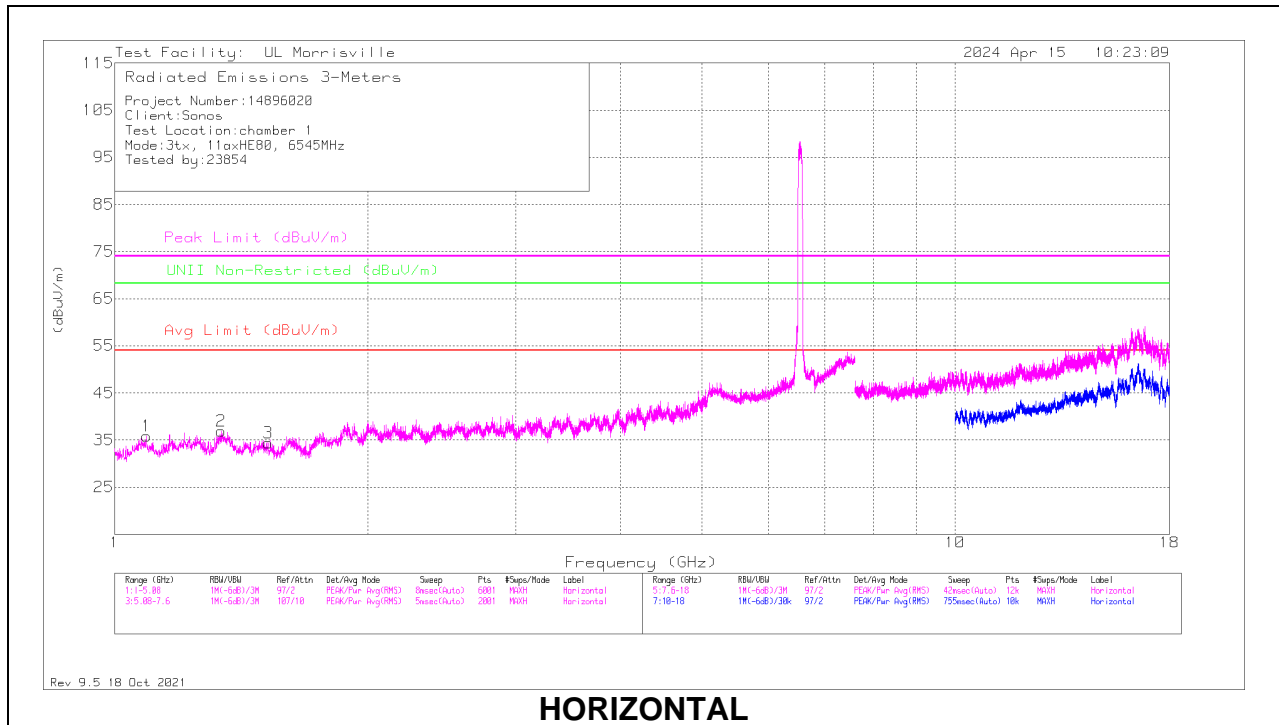


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Filter (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 1.14212	41.31	Pk	28.2	-35.1	0	0	34.41	54	-19.59	74	-39.59	-	-	0-360	101	H
2	*** 1.3944	40.09	Pk	28.8	-34.6	0	0	34.29	54	-19.71	74	-39.71	-	-	0-360	101	H
3	*** 1.53924	39.92	Pk	28.1	-34.6	0	0	33.42	54	-20.58	74	-40.58	-	-	0-360	200	H
4	*** 2.3294	39.24	Pk	31.7	-34	0	0	36.94	54	-17.06	74	-37.06	-	-	0-360	101	V
5	*** 2.81016	39.75	Pk	32.5	-33.4	0	0	38.85	54	-15.15	74	-35.15	-	-	0-360	101	V
6	*** 3.72272	38.9	Pk	33.2	-32	0	0	40.1	54	-13.9	74	-33.9	-	-	0-360	101	V

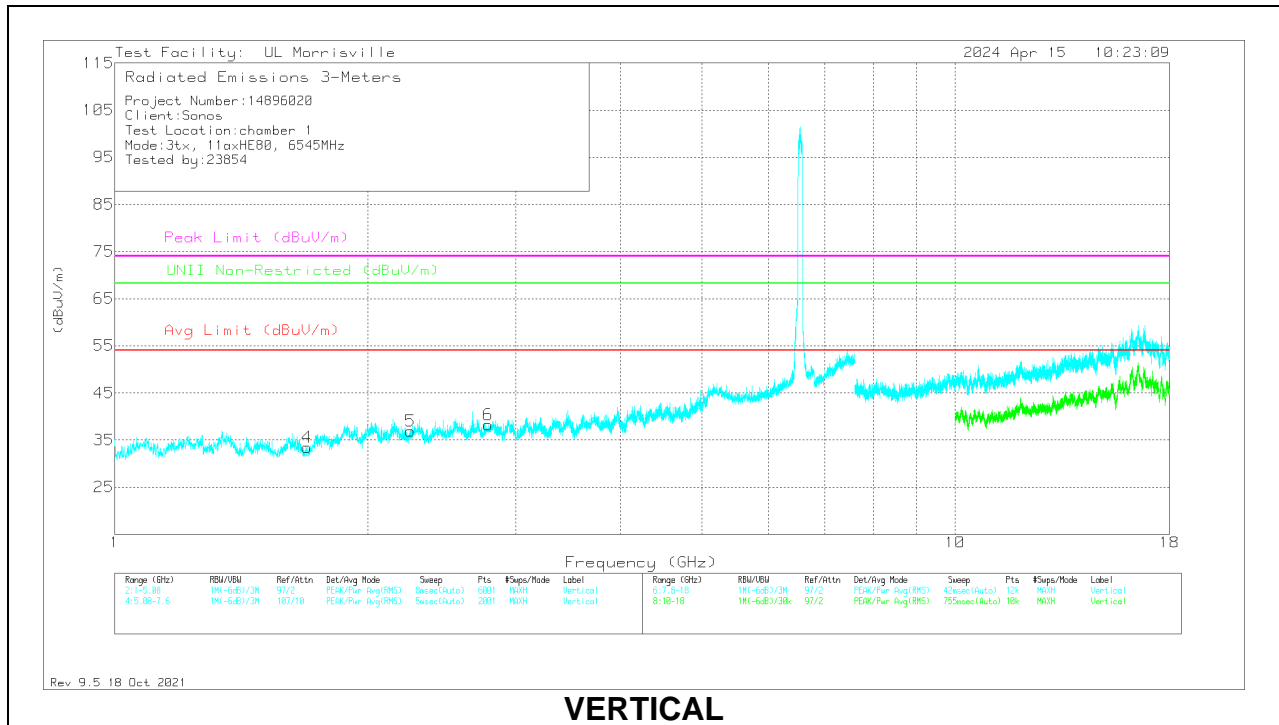
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 \*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band  
 Pk - Peak detector



### HIGH CHANNEL



### HORIZONTAL



### VERTICAL

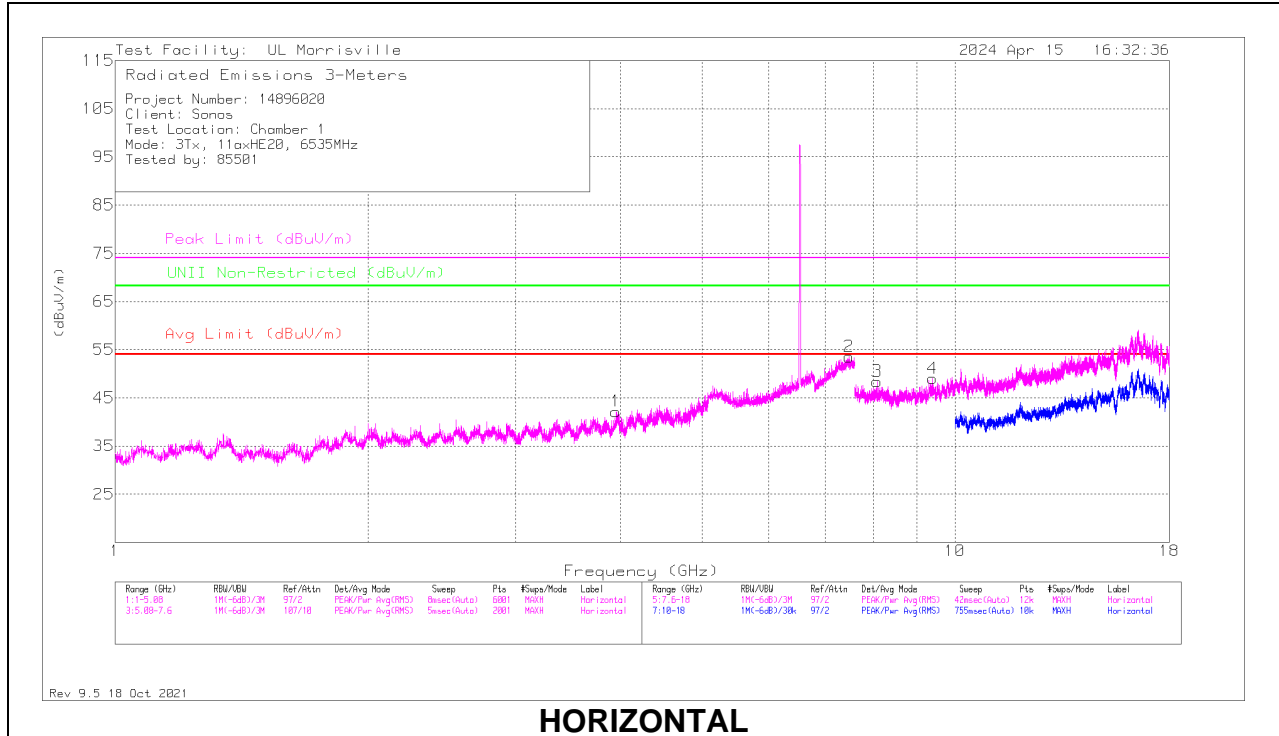
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Filter (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 1.09112	43.08	Pk	27.8	-35	0	0	35.88	54	-18.12	74	-38.12	-	-	0-360	199	H
2	*** 1.33796	42.45	Pk	29.1	-34.7	0	0	36.85	54	-17.15	74	-37.15	-	-	0-360	199	H
3	*** 1.52224	40.89	Pk	28.1	-34.6	0	0	34.39	54	-19.61	74	-39.61	-	-	0-360	199	H
4	*** 1.69428	38.96	Pk	28.7	-34.2	0	0	33.46	54	-20.54	74	-40.54	-	-	0-360	101	V
5	*** 2.2478	38.86	Pk	31.6	-33.5	0	0	36.96	54	-17.04	74	-37.04	-	-	0-360	200	V
6	*** 2.78228	39.18	Pk	32.5	-33.4	0	0	38.28	54	-15.72	74	-35.72	-	-	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

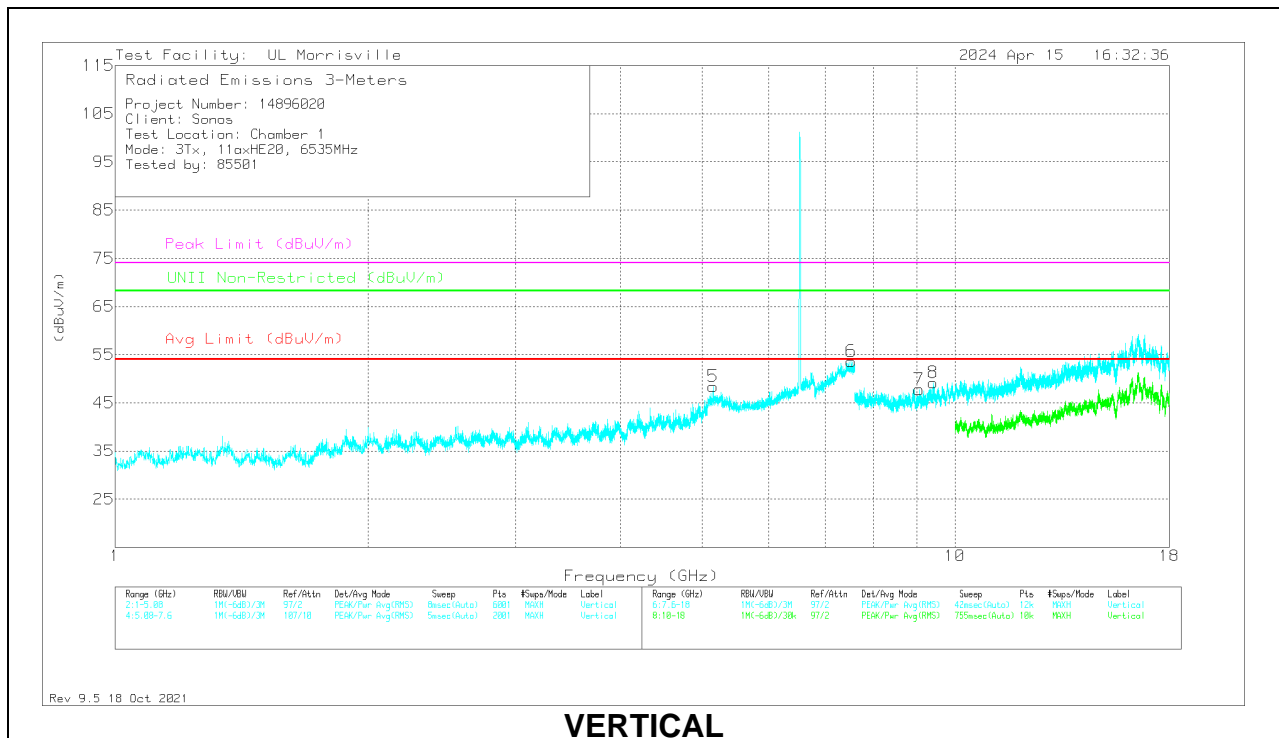
### 10.1.7. TX ABOVE 1 GHz 802.11ax HE20 MODE IN THE UNII-7 BAND

#### HARMONICS AND SPURIOUS EMISSIONS

#### LOW CHANNEL



#### HORIZONTAL



#### VERTICAL

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Filter (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 3.94644	40.57	Pk	32.9	-31.3	0	0	42.17	54	-11.83	74	-31.83	-	-	0-360	199	H
2	*** 7.47949	35.94	PK2	35.5	-16.7	0	0	54.74	-	-	74	-19.26	-	-	340	336	H
	*** 7.47699	24.19	ADR	35.5	-16.7	0	.24	43.23	54	-10.77	-	-	-	-	340	336	H
5	** 5.15308	36.09	Pk	34.3	-22	0	0	48.39	-	-	-	-	68.2	-19.81	0-360	200	V
6	*** 7.52562	35.29	PK2	35.5	-16.5	0	0	54.29	-	-	74	-19.71	-	-	147	219	V
	*** 7.52375	23.65	ADR	35.5	-16.5	0	.24	42.89	54	-11.11	-	-	-	-	147	219	V
3	*** 8.07763	38.38	PK2	35.9	-27.2	1	0	48.08	-	-	74	-25.92	-	-	85	380	H
	*** 8.07461	27.38	ADR	35.9	-27.2	.9	.24	37.22	54	-16.78	-	-	-	-	85	380	H
4	*** 9.40479	39.37	PK2	36.3	-25.7	.4	0	50.37	-	-	74	-23.63	-	-	259	208	H
	*** 9.40675	27.32	ADR	36.3	-25.7	.4	.24	38.56	54	-15.44	-	-	-	-	259	208	H
7	*** 9.0638	37.29	Pk	35.8	-26	.7	0	47.79	54	-6.21	74	-26.21	-	-	0-360	200	V
8	*** 9.41989	38.91	PK2	36.3	-25.8	.4	0	49.81	-	-	74	-24.19	-	-	3	154	V
	*** 9.41979	27.88	ADR	36.3	-25.8	.4	.24	39.02	54	-14.98	-	-	-	-	3	154	V

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

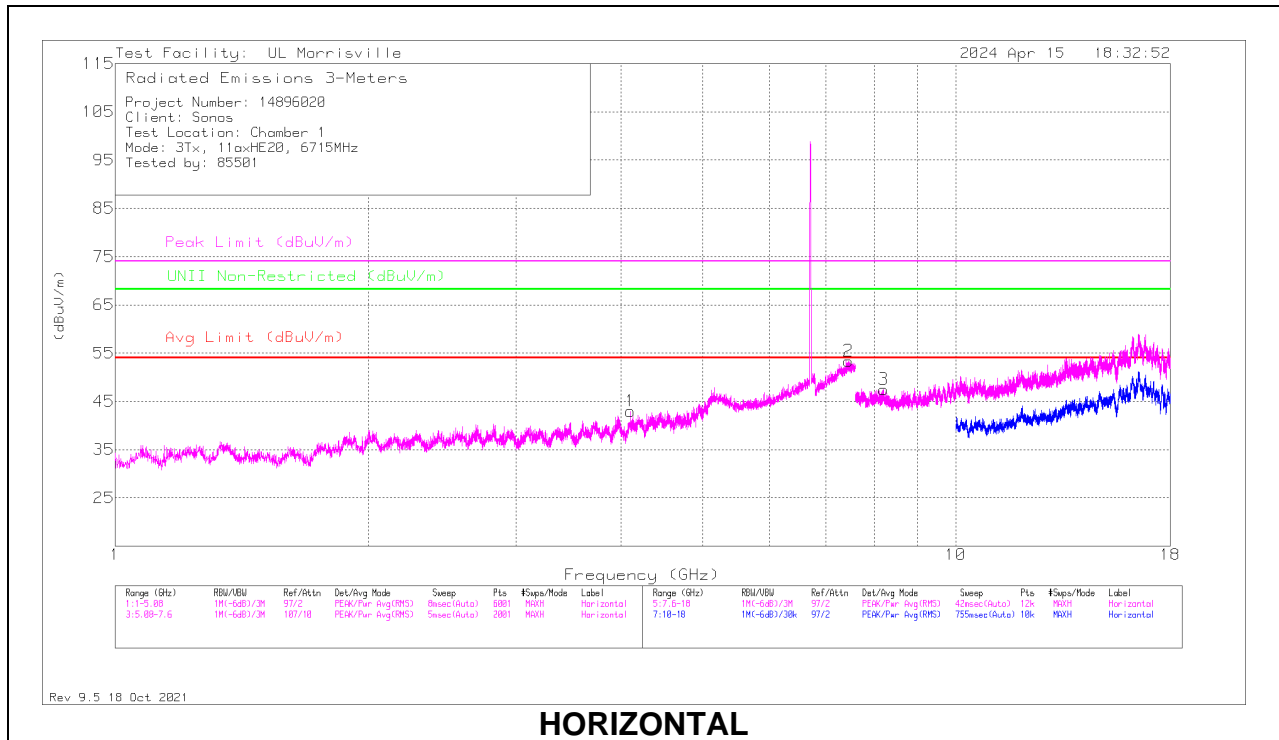
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

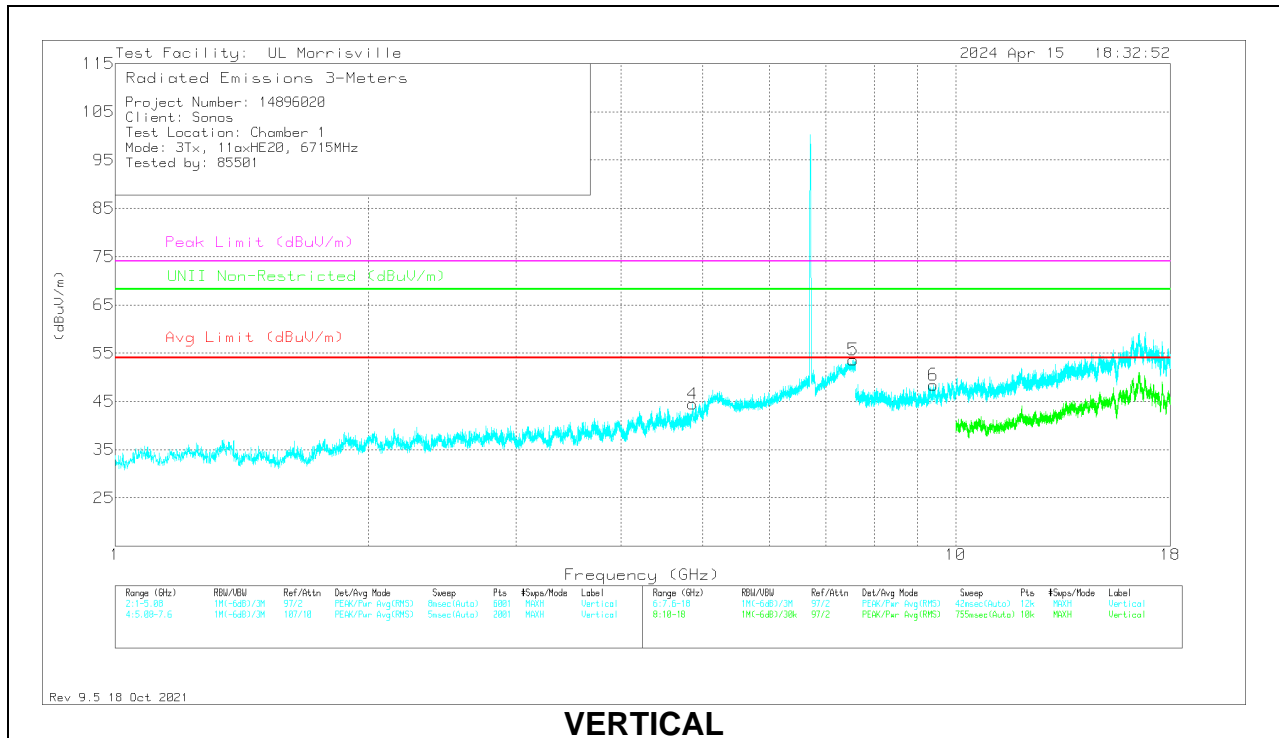
PK2 - Maximum Peak

ADR - RMS average

### MID CHANNEL



### HORIZONTAL



### VERTICAL

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Filter (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 4.10352	40.87	Pk	33.2	-31.1	0	0	42.97	54	-11.03	74	-31.03	-	-	0-360	199	H
4	*** 4.86512	40.55	Pk	33.9	-30	0	0	44.45	54	-9.55	74	-29.55	-	-	0-360	101	V
2	*** 7.46087	35.66	PK2	35.5	-16.9	0	0	54.26	-	-	74	-19.74	-	-	6	229	H
	*** 7.46072	24.24	ADR	35.5	-16.9	0	.24	43.08	54	-10.92	-	-	-	-	6	229	H
5	*** 7.55035	35.33	PK2	35.5	-16.4	0	0	54.43	-	-	74	-19.57	-	-	113	309	V
	*** 7.55284	23.77	ADR	35.5	-16.4	0	.24	43.11	54	-10.89	-	-	-	-	113	309	V
3	*** 8.2084	38.09	Pk	35.9	-27.3	.8	0	47.49	54	-6.51	74	-26.51	-	-	0-360	200	H
6	*** 9.40631	38.6	PK2	36.3	-25.7	.4	0	49.6	-	-	74	-24.4	-	-	183	318	V
	*** 9.40659	27.14	ADR	36.3	-25.7	.4	.24	38.38	54	-15.62	-	-	-	-	183	318	V

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

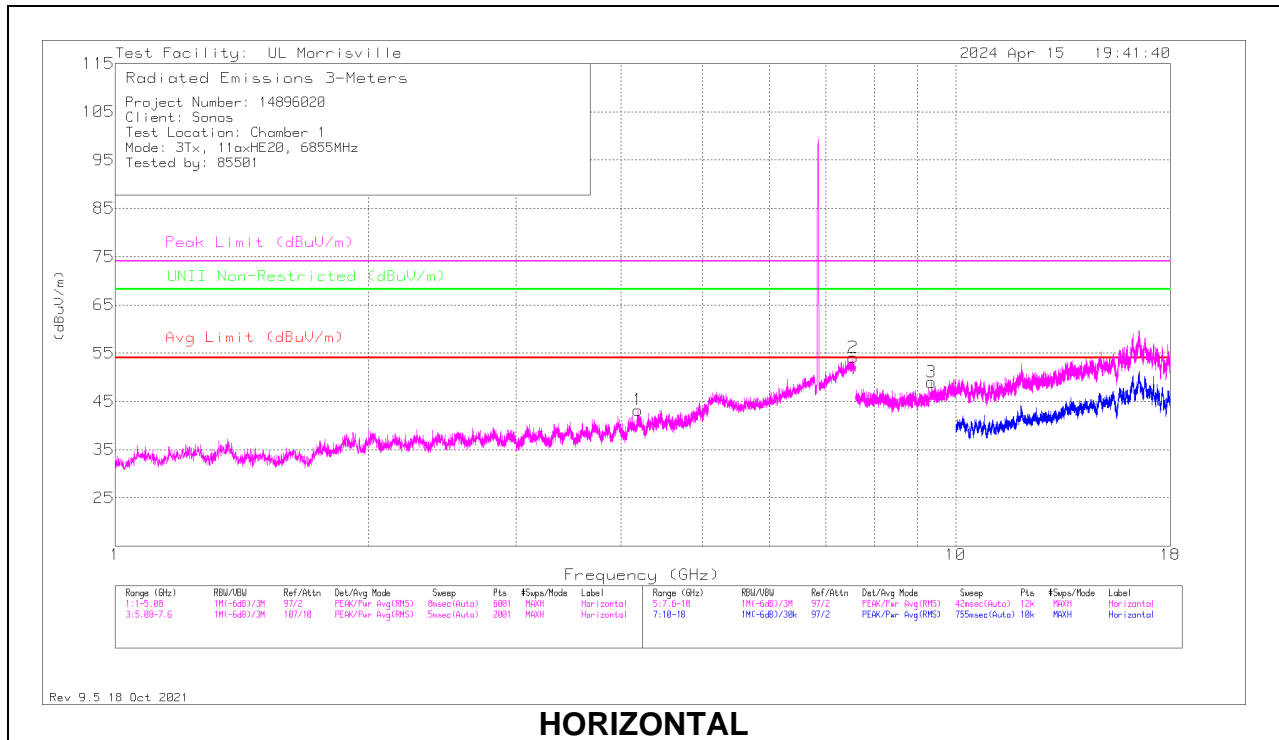
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

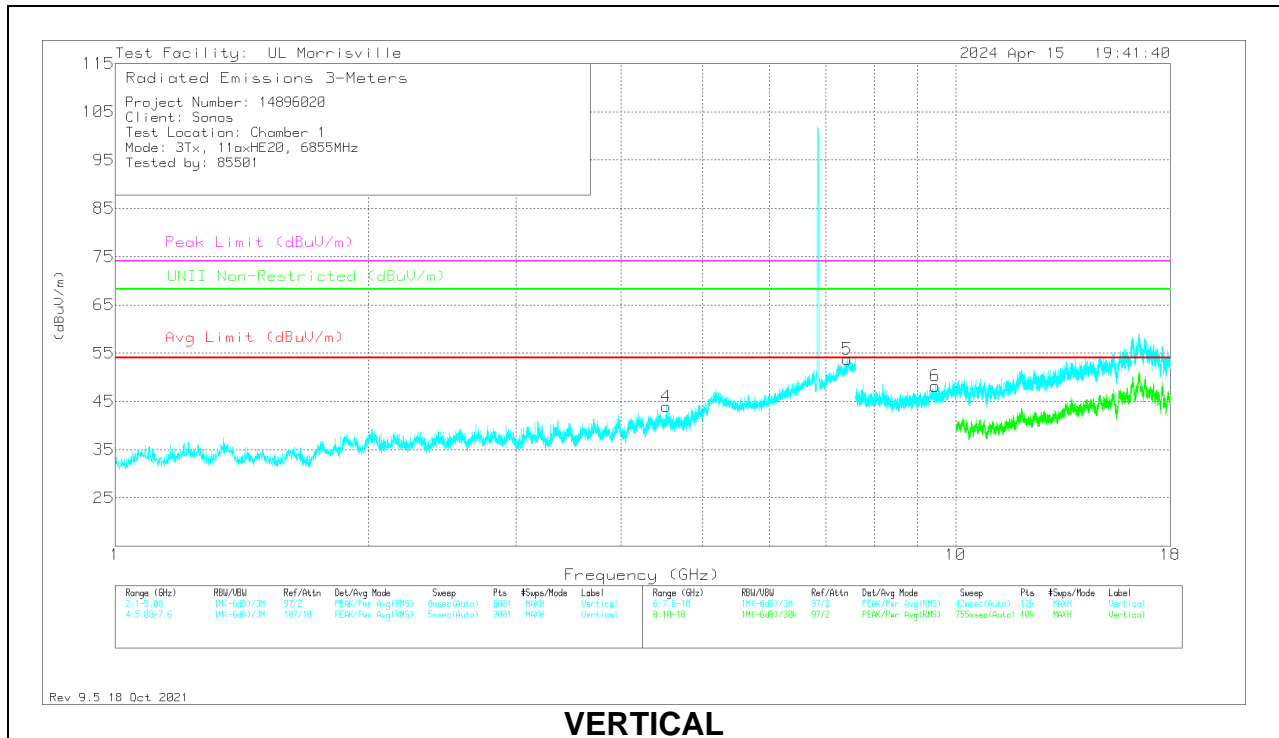
PK2 - Maximum Peak

ADR - RMS average

### HIGH CHANNEL



### HORIZONTAL



### VERTICAL

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Filter (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 4.18716	40.22	Pk	33.5	-30.5	0	0	43.22	54	-10.78	74	-30.78	-	-	0-360	200	H
4	*** 4.52308	41.43	Pk	33.9	-31.4	0	0	43.93	54	-10.07	74	-30.07	-	-	0-360	101	V
2	*** 7.54892	35.13	PK2	35.5	-16.4	0	0	54.23	-	-	74	-19.77	-	-	341	339	H
	*** 7.54863	23.7	ADR	35.5	-16.4	0	.24	43.04	54	-10.96	-	-	-	-	341	339	H
5	*** 7.4329	35.61	PK2	35.4	-16.8	0	0	54.21	-	-	74	-19.79	-	-	154	279	V
	*** 7.43284	24.15	ADR	35.4	-16.8	0	.24	42.99	54	-11.01	-	-	-	-	154	279	V
3	*** 9.35215	38.84	PK2	36.2	-25.7	.3	0	49.64	-	-	74	-24.36	-	-	247	154	H
	*** 9.35111	27.42	ADR	36.2	-25.8	.3	.24	38.36	54	-15.64	-	-	-	-	247	154	H
6	*** 9.45509	38.52	PK2	36.4	-25.8	.4	0	49.52	-	-	74	-24.48	-	-	182	320	V
	*** 9.45345	27.13	ADR	36.4	-25.8	.4	.24	38.37	54	-15.63	-	-	-	-	182	320	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

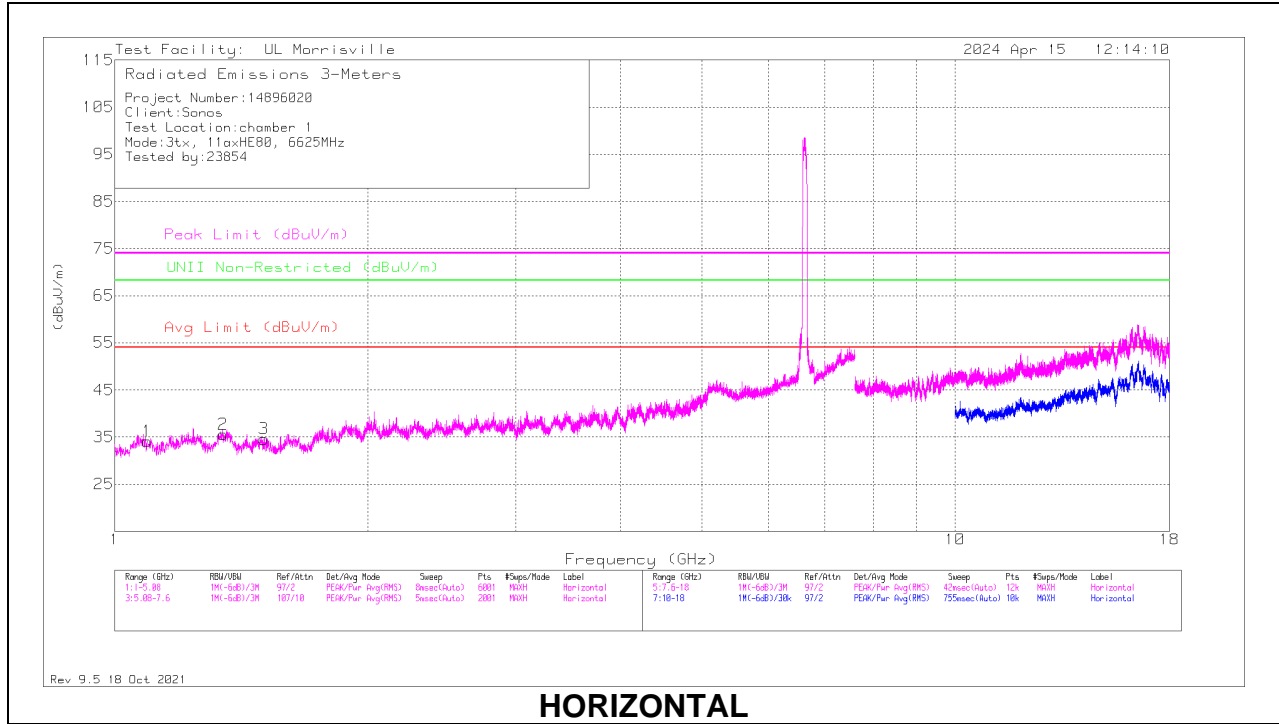
ADR - RMS average



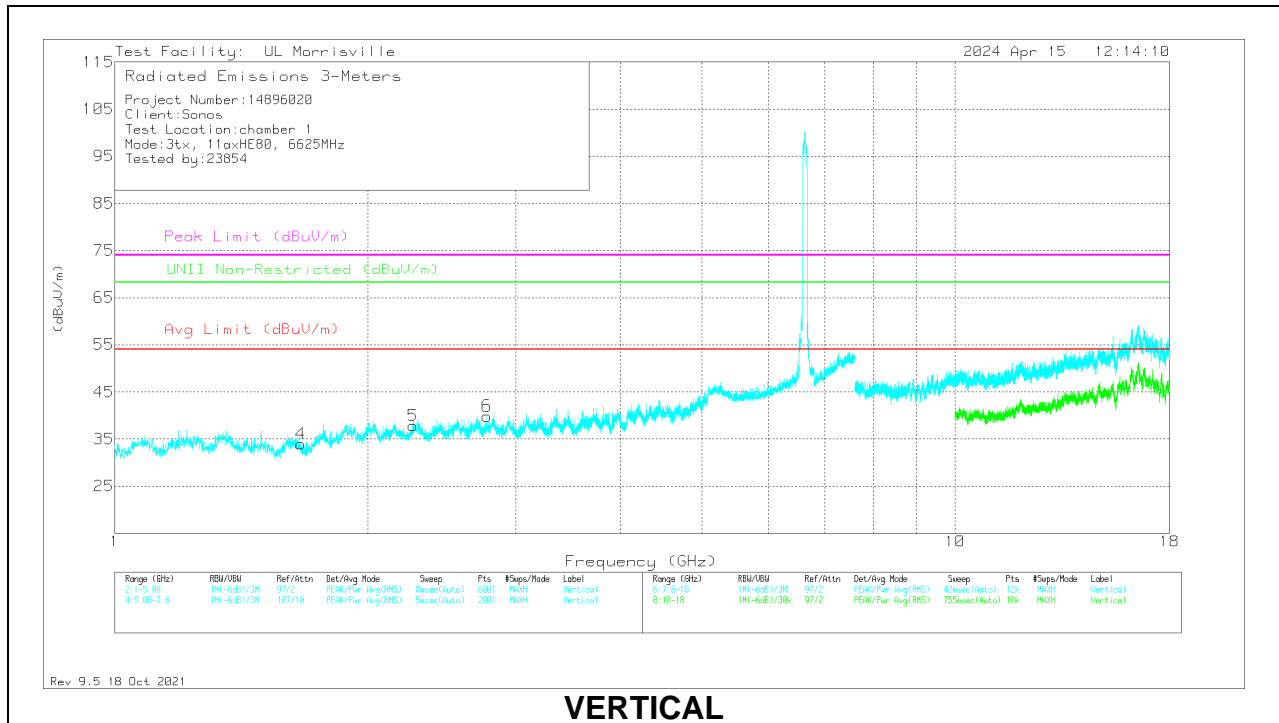
### 10.1.8. TX ABOVE 1 GHz 802.11ax HE80 MODE IN THE UNII-7 BAND

#### HARMONICS AND SPURIOUS EMISSIONS

#### LOW CHANNEL



#### HORIZONTAL

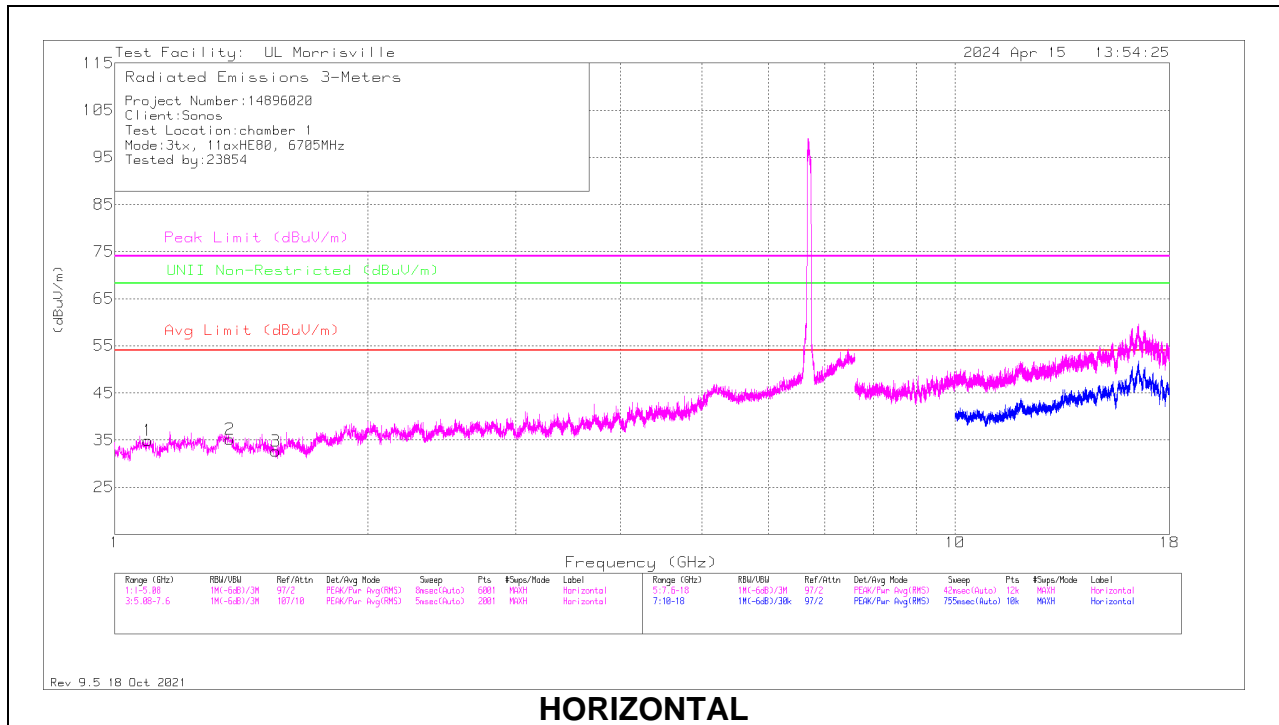


#### VERTICAL

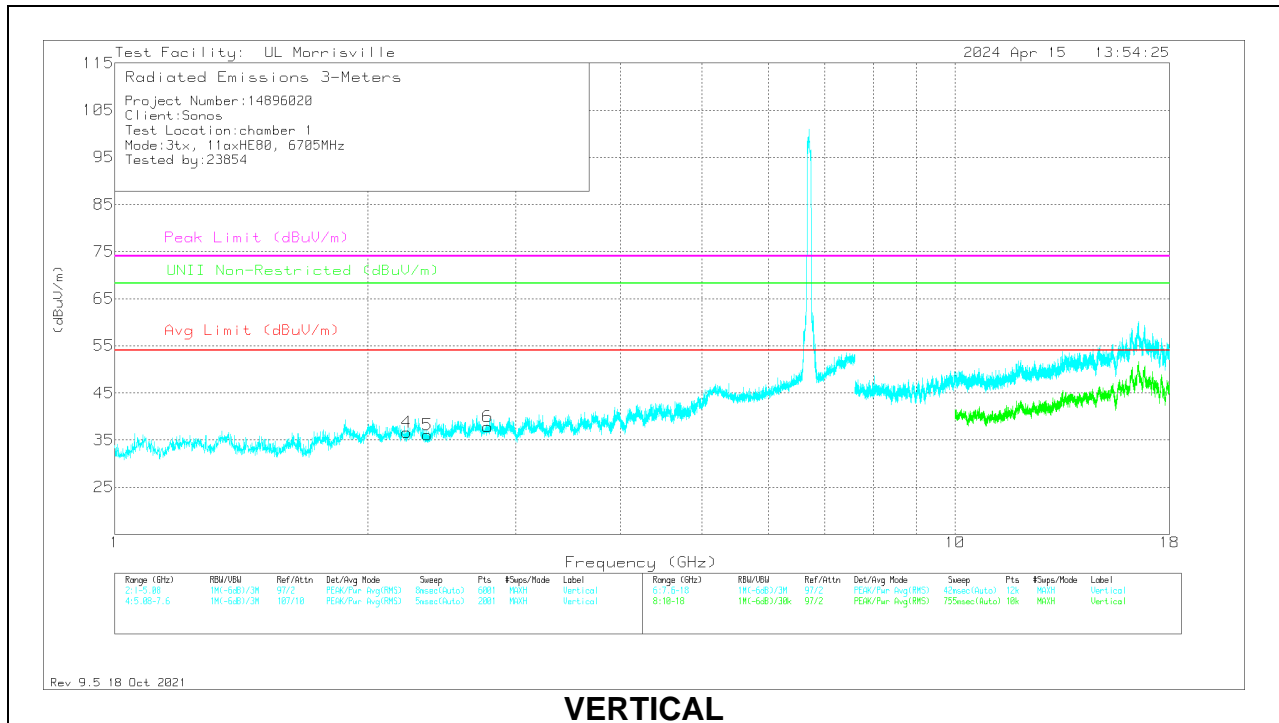
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Filter (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 1.09384	41.31	Pk	27.8	-35	0	0	34.11	54	-19.89	74	-39.89	-	-	0-360	199	H
2	*** 1.34612	41.12	Pk	29	-34.6	0	0	35.52	54	-18.48	74	-38.48	-	-	0-360	199	H
3	*** 1.50388	41.08	Pk	28.2	-34.7	0	0	34.58	54	-19.42	74	-39.42	-	-	0-360	101	H
4	*** 1.66504	39.63	Pk	28.4	-34.1	0	0	33.93	54	-20.07	74	-40.07	-	-	0-360	101	V
5	*** 2.2648	39.99	Pk	31.6	-33.8	0	0	37.79	54	-16.21	74	-36.21	-	-	0-360	101	V
6	*** 2.77208	40.39	Pk	32.6	-33.1	0	0	39.89	54	-14.11	74	-34.11	-	-	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

### MID CHANNEL



### HORIZONTAL



### VERTICAL

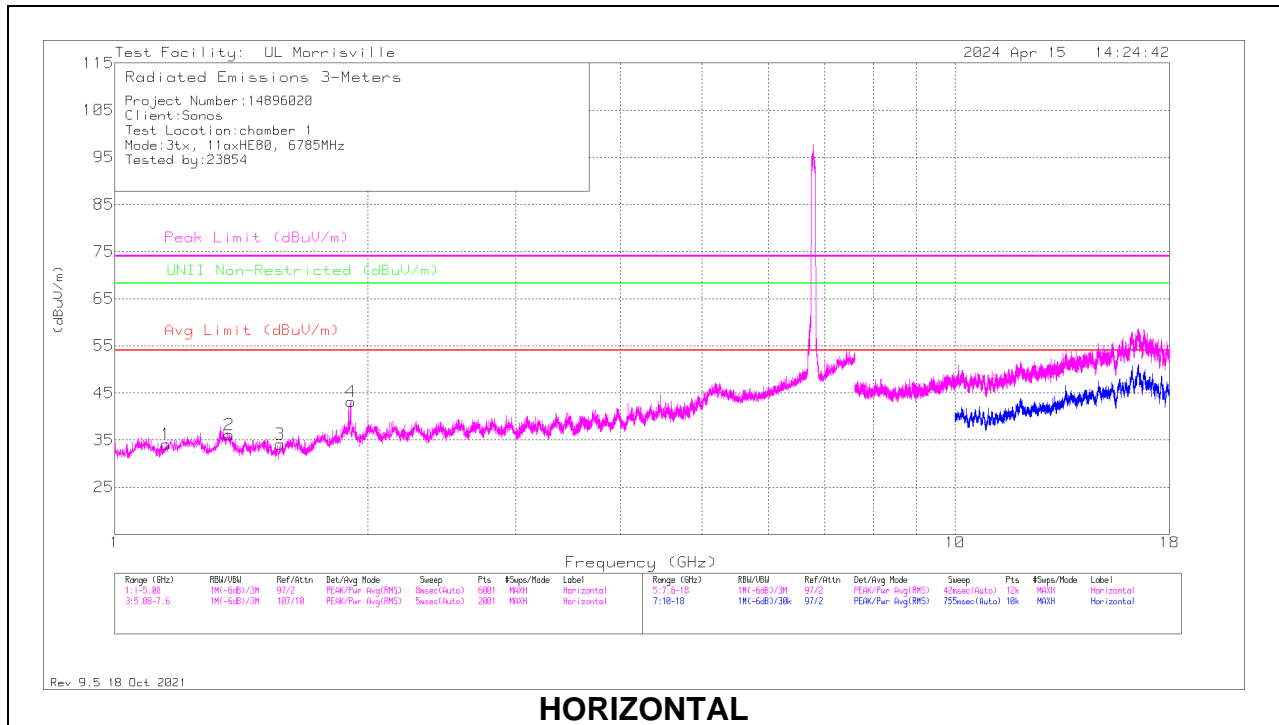
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Filter (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 1.09452	42.12	Pk	27.8	-35	0	0	34.92	54	-19.08	74	-39.08	-	-	0-360	101	H
2	*** 1.37196	40.73	Pk	28.9	-34.4	0	0	35.23	54	-18.77	74	-38.77	-	-	0-360	101	H
3	*** 1.55352	39.31	Pk	28	-34.6	0	0	32.71	54	-21.29	74	-41.29	-	-	0-360	199	H
4	*** 2.2274	38.83	Pk	31.6	-33.8	0	0	36.63	54	-17.37	74	-37.37	-	-	0-360	101	V
5	*** 2.35524	38.1	Pk	31.8	-33.8	0	0	36.1	54	-17.9	74	-37.9	-	-	0-360	101	V
6	*** 2.78024	38.78	Pk	32.5	-33.4	0	0	37.88	54	-16.12	74	-36.12	-	-	0-360	200	V

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

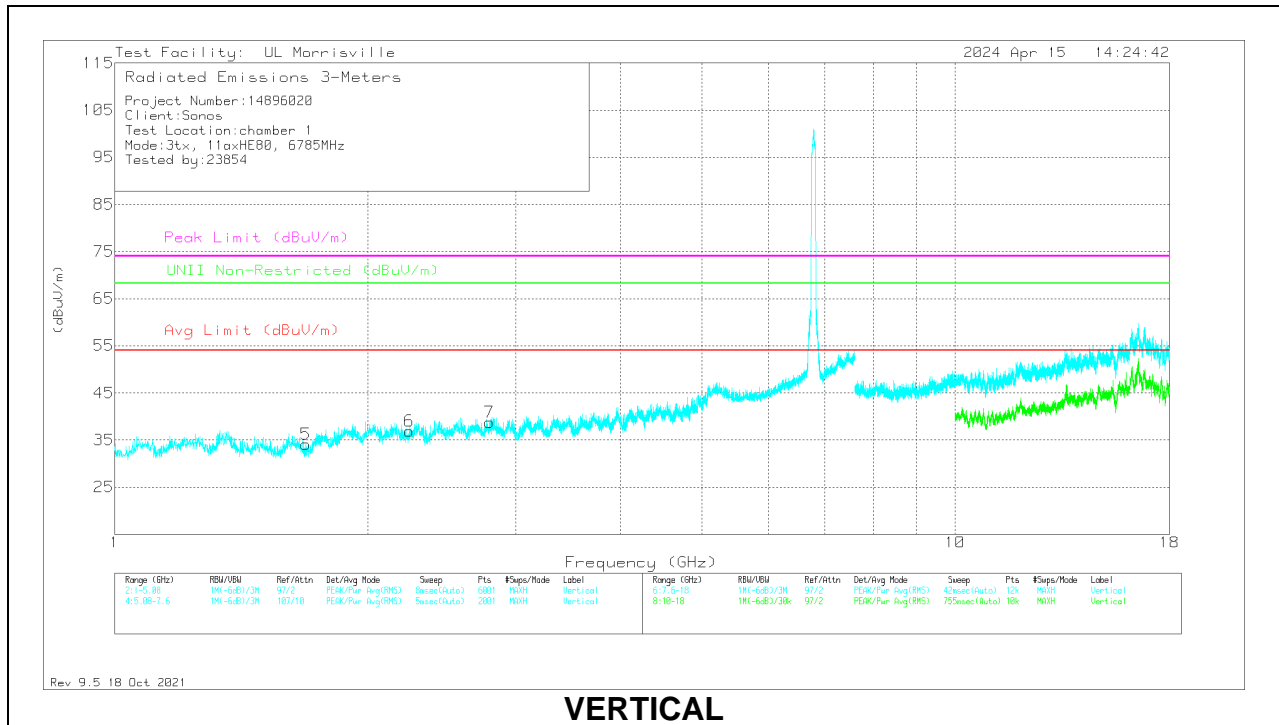
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

### HIGH CHANNEL



### HORIZONTAL



### VERTICAL

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Filter (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 1.15028	41.04	Pk	28.2	-35.1	0	0	34.14	54	-19.86	74	-39.86	-	-	0-360	101	H
2	*** 1.36788	41.56	Pk	28.9	-34.4	0	0	36.06	54	-17.94	74	-37.94	-	-	0-360	200	H
3	*** 1.57324	40.5	Pk	28	-34.4	0	0	34.1	54	-19.9	74	-39.9	-	-	0-360	200	H
4	** 1.90916	45.88	Pk	31.3	-34	0	0	43.18	54	-10.82	-	-	68.2	-25.02	0-360	200	H
5	*** 1.6868	39.63	Pk	28.6	-34.1	0	0	34.13	54	-19.87	74	-39.87	-	-	0-360	200	V
6	*** 2.23964	38.9	Pk	31.6	-33.6	0	0	36.9	54	-17.1	74	-37.1	-	-	0-360	200	V
7	*** 2.79248	39.69	Pk	32.5	-33.4	0	0	38.79	54	-15.21	74	-35.21	-	-	0-360	200	V

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

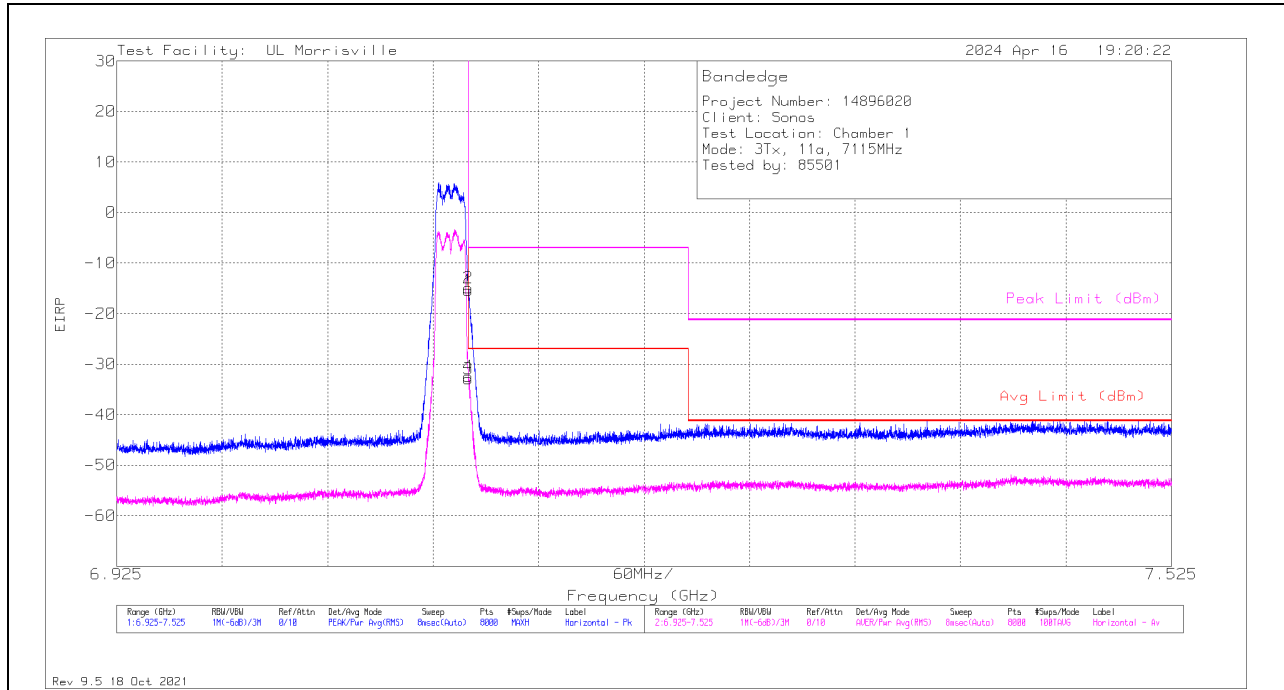
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

**10.1.9. TX ABOVE 1 GHz 802.11a MODE IN THE UNII-8 BAND**

**BANDEDGE (HIGH CHANNEL)**

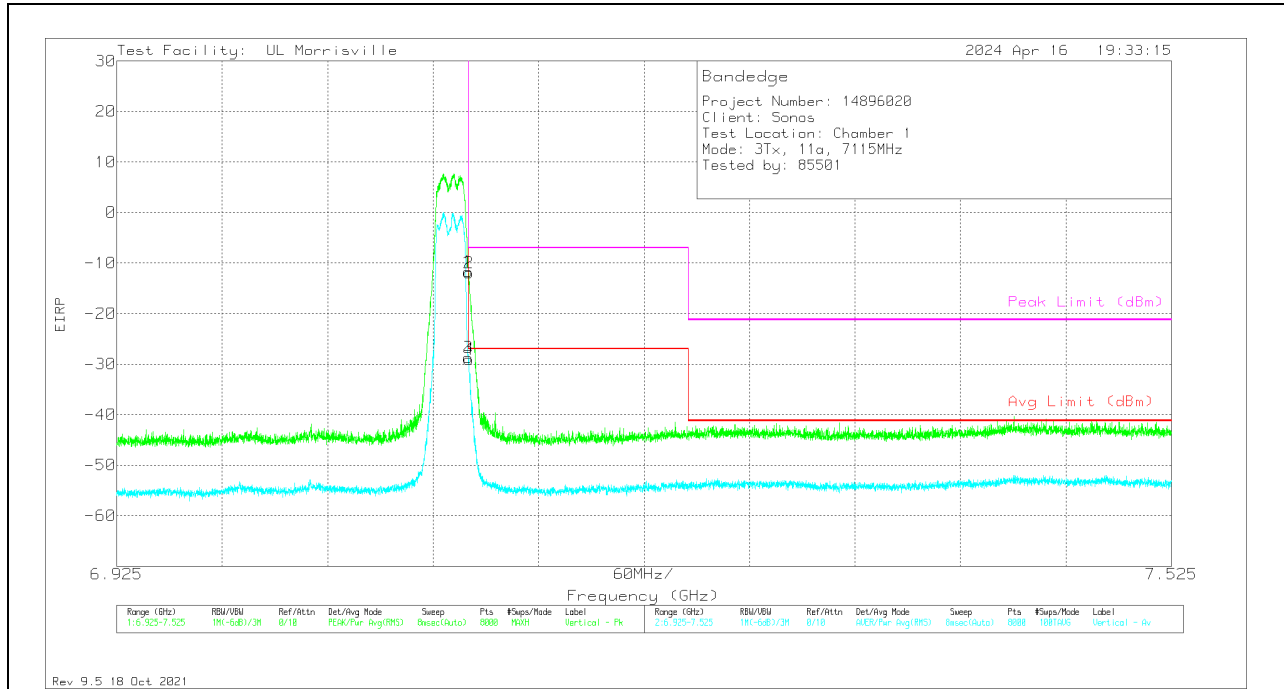
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	135143 (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Avg Limit (dBm)	RMS Margin (dB)	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	7.12505	-43.62	Pk	35.4	-19	11.8	0	-15.42	-	-	-7	-8.42	359	110	H
3	7.12505	-61.26	RMS	35.4	-19	11.8	.17	-32.89	-27	-5.89	-	-	359	110	H
2	7.12512	-43.07	Pk	35.4	-19	11.8	0	-14.87	-	-	-7	-7.87	359	110	H
4	7.12512	-60.82	RMS	35.4	-19	11.8	.17	-32.45	-27	-5.45	-	-	359	110	H

Pk - Peak detector  
 RMS - RMS detection

### VERTICAL RESULT



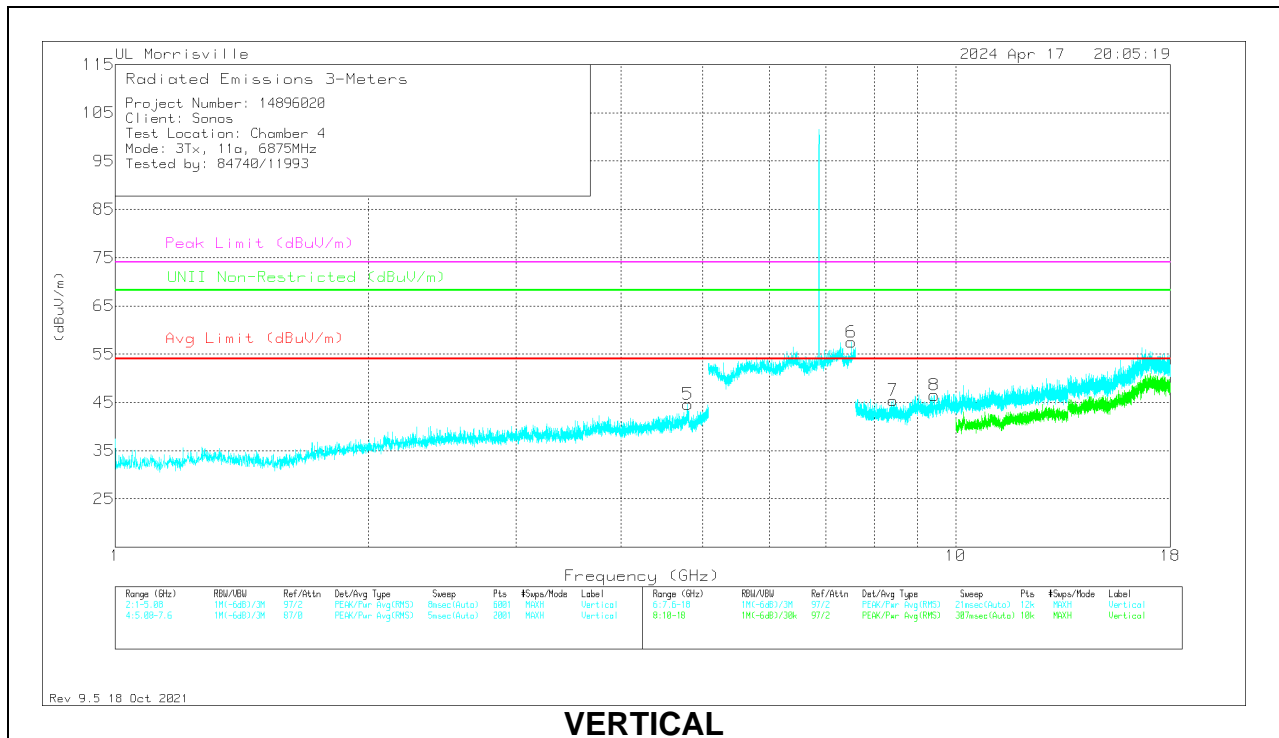
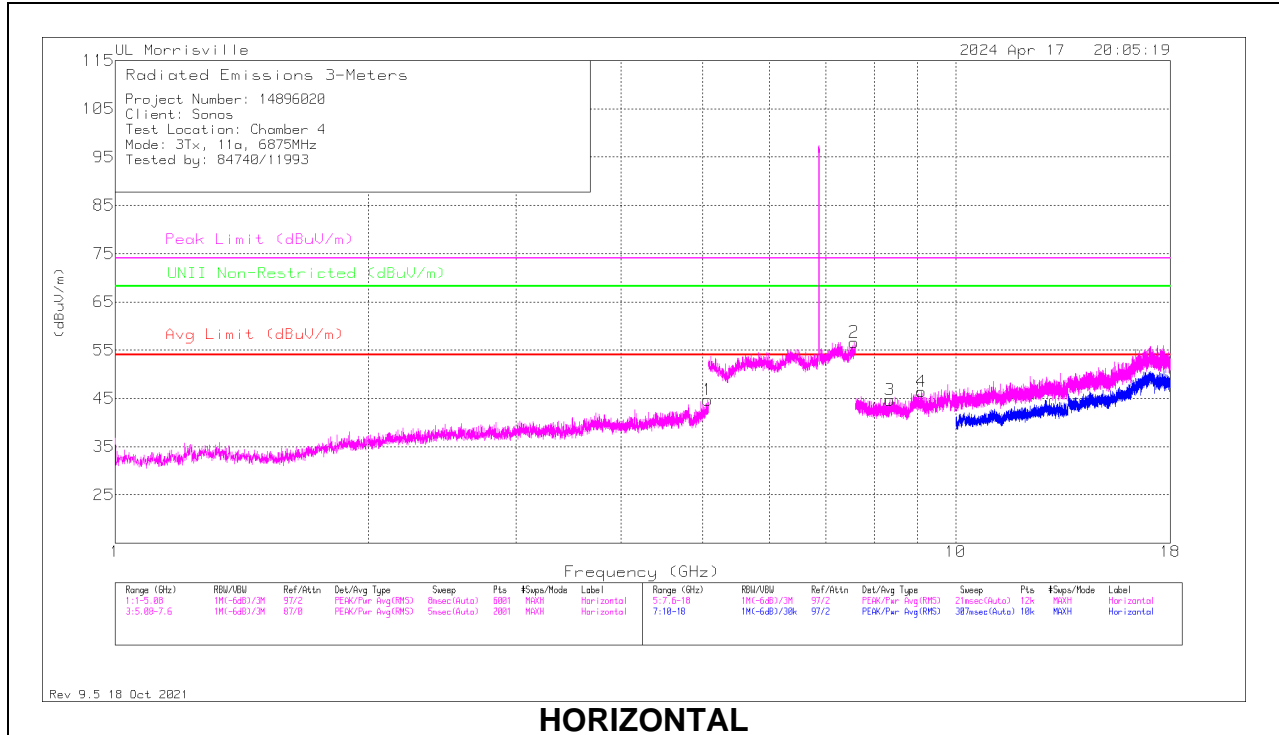
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	135143 (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Avg Limit (dBm)	RMS Margin (dB)	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	7.12505	-39.93	Pk	35.4	-19	11.8	0	-11.73	-	-	-7	-4.73	255	152	V
3	7.12505	-57.1	RMS	35.4	-19	11.8	.17	-28.73	-27	-1.73	-	-	255	152	V
2	7.1252	-40.14	Pk	35.4	-19	11.8	0	-11.94	-	-	-7	-4.94	255	152	V
4	7.1252	-57.41	RMS	35.4	-19	11.8	.17	-29.04	-27	-2.04	-	-	255	152	V

Pk - Peak detector  
 RMS - RMS detection



# HARMONICS AND SPURIOUS EMISSIONS

## LOW CHANNEL



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Filter (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.0664	39.47	Pk	34.1	-28.9	0	0	44.67	54	-9.33	74	-29.33	-	-	0-360	100	H
5	* ** 4.80052	41.03	Pk	34.1	-30.5	0	0	44.63	54	-9.37	74	-29.37	-	-	0-360	200	V
2	* ** 7.57347	27.59	PK-U	35.7	-6.1	0	0	57.19	-	-	74	-16.81	-	-	115	205	H
	* ** 7.57633	16.2	ADR	35.7	-6	0	.17	46.07	54	-7.93	-	-	-	-	115	205	H
6	* ** 7.51132	26.9	PK-U	35.6	-6.2	0	0	56.3	-	-	74	-17.7	-	-	222	263	V
	* ** 7.51261	15.64	ADR	35.6	-6.1	0	.17	45.31	54	-8.69	-	-	-	-	222	263	V
3	* ** 8.34663	35.07	Pk	35.8	-26.8	.6	0	44.67	54	-9.33	74	-29.33	-	-	0-360	100	H
4	* ** 9.09847	35.42	Pk	36.3	-25.9	.6	0	46.42	54	-7.58	74	-27.58	-	-	0-360	100	H
7	* ** 8.4242	35.79	Pk	35.8	-26.7	.5	0	45.39	54	-8.61	74	-28.61	-	-	0-360	200	V
8	* ** 9.42823	35.39	Pk	36.7	-26	.4	0	46.49	54	-7.51	74	-27.51	-	-	0-360	200	V

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

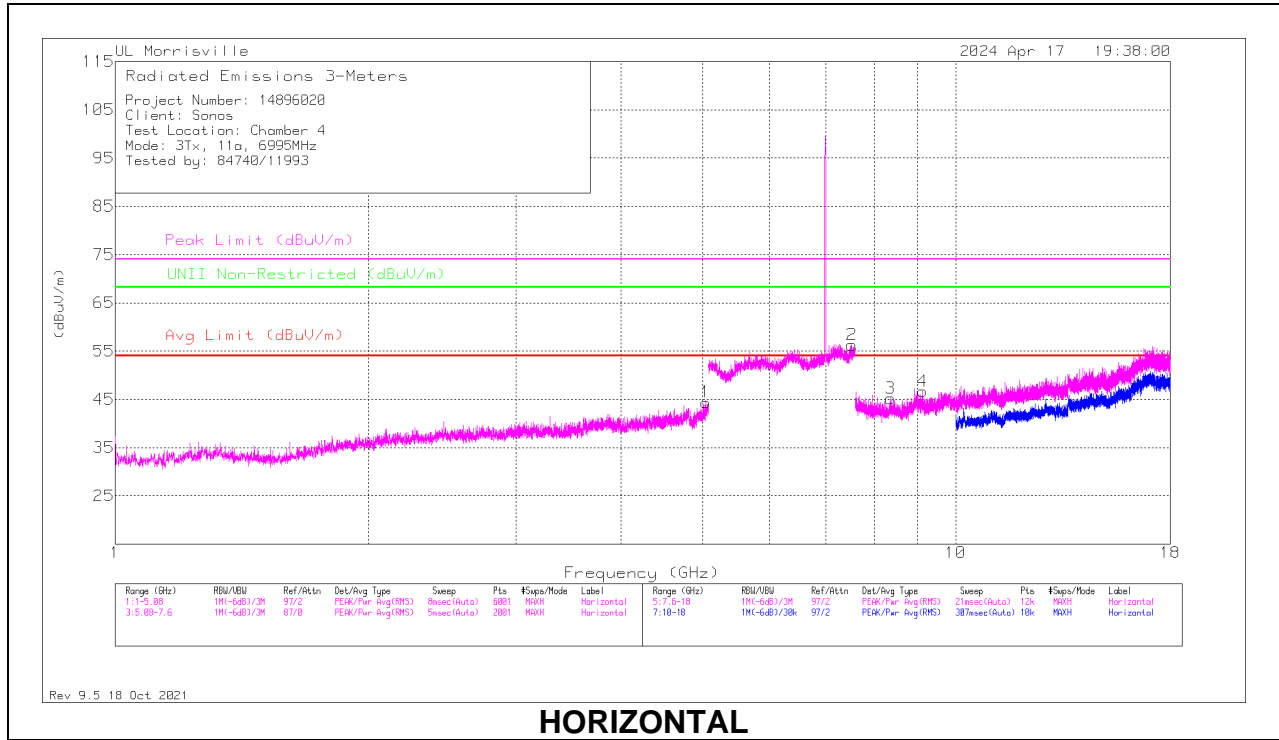
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

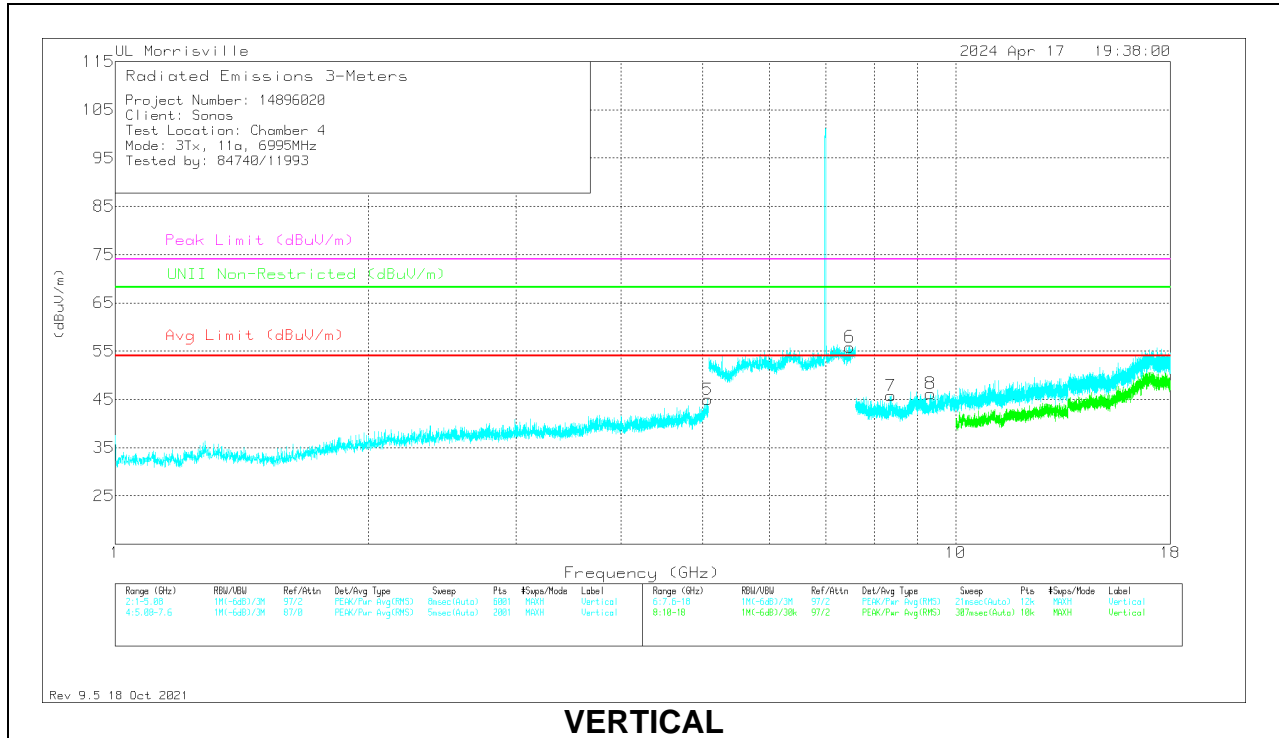
PK-U - Maximum Peak

ADR - RMS average

### MID CHANNEL



### HORIZONTAL

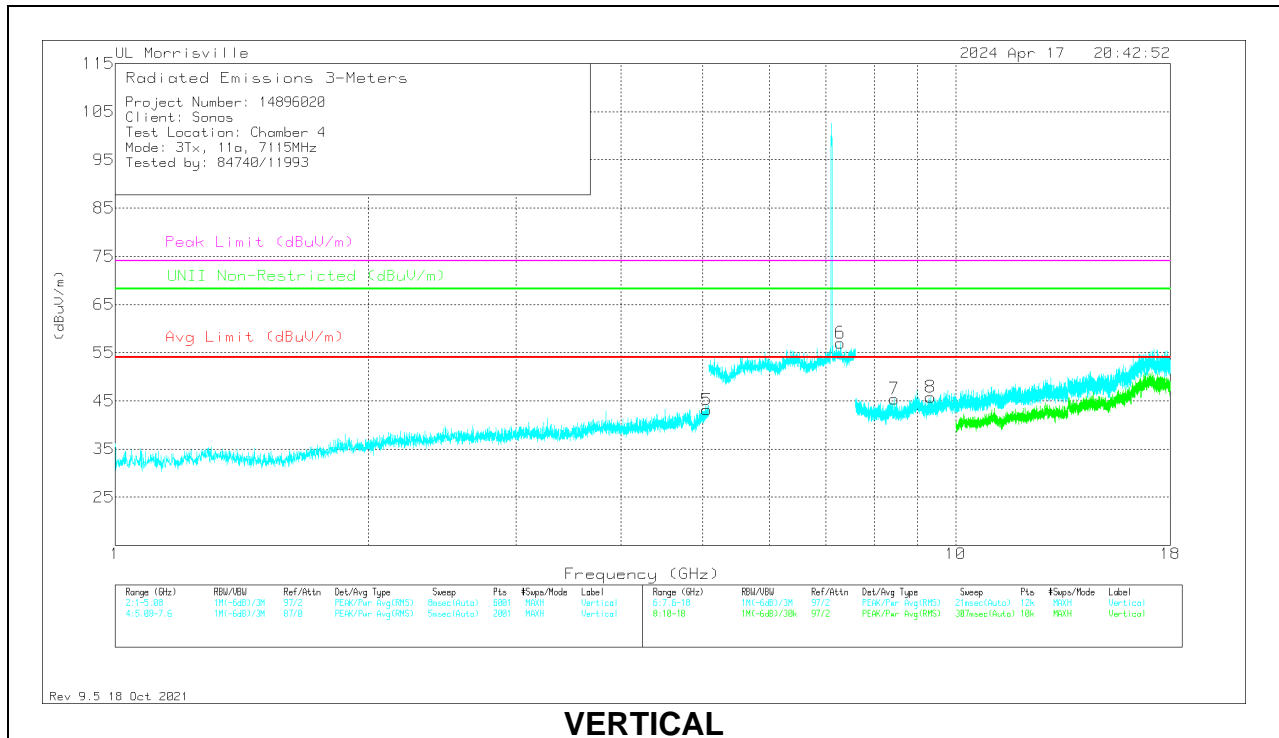
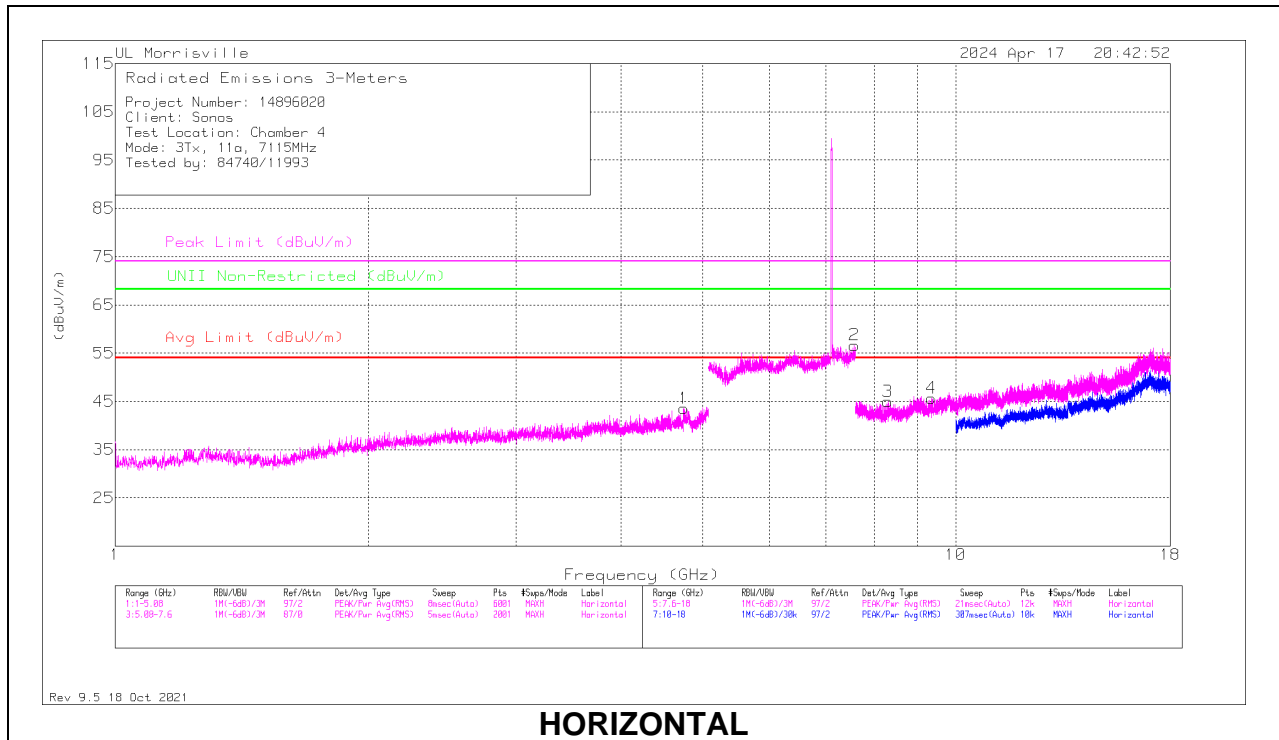


### VERTICAL

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Filter (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.04056	39.9	Pk	34.1	-29.6	0	0	44.4	54	-9.6	74	-29.6	-	-	0-360	100	H
5	* ** 5.06708	39.76	Pk	34.1	-28.9	0	0	44.96	54	-9.04	74	-29.04	-	-	0-360	200	V
2	* ** 7.52633	27.41	PK-U	35.7	-6.3	0	0	56.81	-	-	74	-17.19	-	-	54	399	H
	* ** 7.52581	15.72	ADR	35.7	-6.3	0	.17	45.29	54	-8.71	-	-	-	-	54	399	H
6	* ** 7.48234	27.32	PK-U	35.6	-6.4	0	0	56.52	-	-	74	-17.48	-	-	351	169	V
	* ** 7.48237	15.46	ADR	35.6	-6.4	0	.17	44.83	54	-9.17	-	-	-	-	351	169	V
3	* ** 8.37047	35.59	Pk	35.8	-26.8	.6	0	45.19	54	-8.81	74	-28.81	-	-	0-360	100	H
4	* ** 9.134	36.18	Pk	36.3	-26.2	.4	0	46.68	54	-7.32	74	-27.32	-	-	0-360	100	H
7	* ** 8.3722	35.85	Pk	35.8	-26.5	.6	0	45.75	54	-8.25	74	-28.25	-	-	0-360	200	V
8	* ** 9.3316	35	Pk	36.5	-25.7	.4	0	46.2	54	-7.8	74	-27.8	-	-	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  
 PK-U - Maximum Peak  
 ADR - RMS average

### HIGH CHANNEL



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Filter (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 4.74884	40.63	Pk	34	-31.1	0	0	43.53	54	-10.47	74	-30.47	-	-	0-360	100	H
5	* ** 5.0562	38.15	Pk	34.1	-29.1	0	0	43.15	54	-10.85	74	-30.85	-	-	0-360	200	V
2	* ** 7.57711	27.65	PK-U	35.7	-6	0	0	57.35	-	-	74	-16.65	-	-	156	202	H
	* ** 7.57751	16.16	ADR	35.7	-6	0	.17	46.03	54	-7.97	-	-	-	-	156	202	H
6	* ** 7.29282	28.37	PK-U	35.7	-6.8	0	0	57.27	-	-	74	-16.73	-	-	91	206	V
	* ** 7.29282	16.6	ADR	35.7	-6.8	0	.17	45.67	54	-8.33	-	-	-	-	91	206	V
3	* ** 8.30113	35.75	Pk	35.8	-27.2	.6	0	44.95	54	-9.05	74	-29.05	-	-	0-360	100	H
4	* ** 9.35933	34.54	Pk	36.5	-25.6	.2	0	45.64	54	-8.36	74	-28.36	-	-	0-360	100	H
7	* ** 8.4476	35.89	Pk	35.8	-26.8	.5	0	45.39	54	-8.61	74	-28.61	-	-	0-360	200	V
8	* ** 9.33333	34.59	Pk	36.5	-25.6	.3	0	45.79	54	-8.21	74	-28.21	-	-	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

PK-U - Maximum Peak

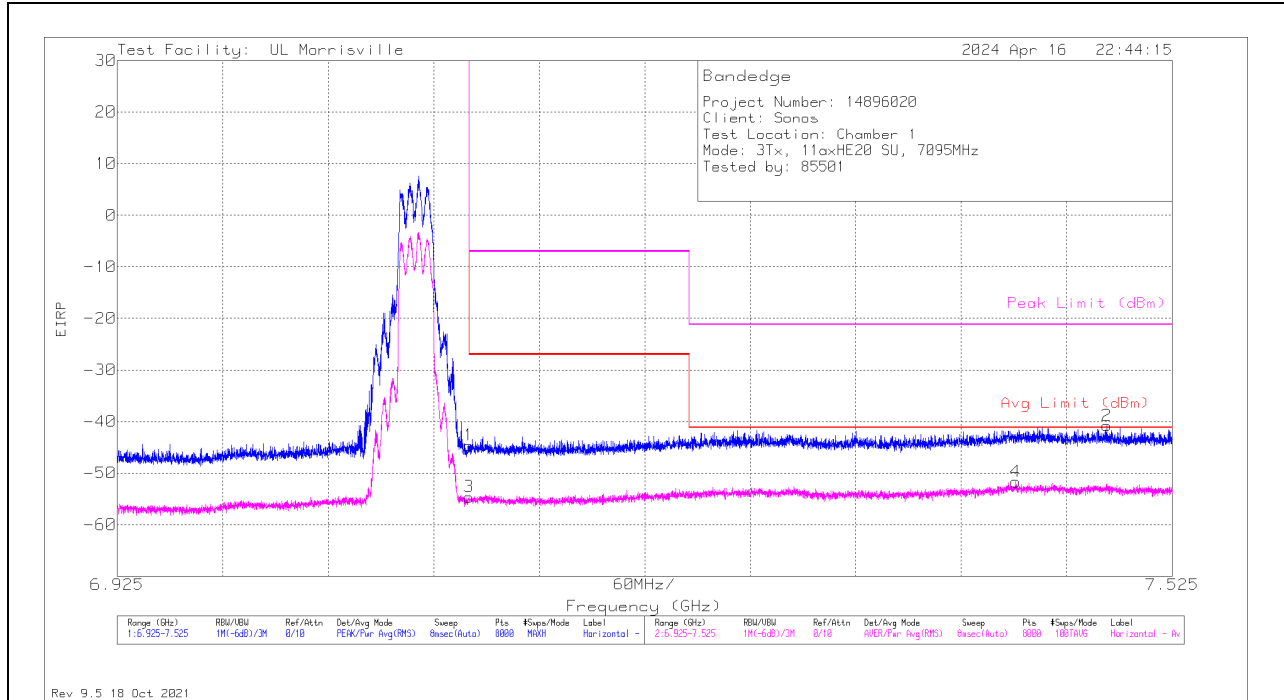
ADR - RMS average

### 10.1.10. TX ABOVE 1 GHz 802.11ax HE20 MODE IN THE UNII-8 BAND

#### 3TX CHAIN 0 + CHAIN 1 + CHAIN 2 OFDMA MODE: SU

#### BANDEDGE (HIGH CHANNEL)

#### HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	135143 (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Avg Limit (dBm)	RMS Margin (dB)	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	** * 7.48787	-71.6	Pk	35.5	-16.5	11.8	0	-40.8	-	-	-	-	343	120	H
4	** * 7.43596	-82.41	RMS	35.4	-16.7	11.8	.24	-51.67	-41.2	-10.47	-	-	343	120	H
1	7.12505	-72.83	Pk	35.4	-19	11.8	0	-44.63	-	-	-7	-37.63	343	120	H
3	7.12505	-83.05	RMS	35.4	-19	11.8	.24	-54.61	-27	-27.61	-	-	343	120	H

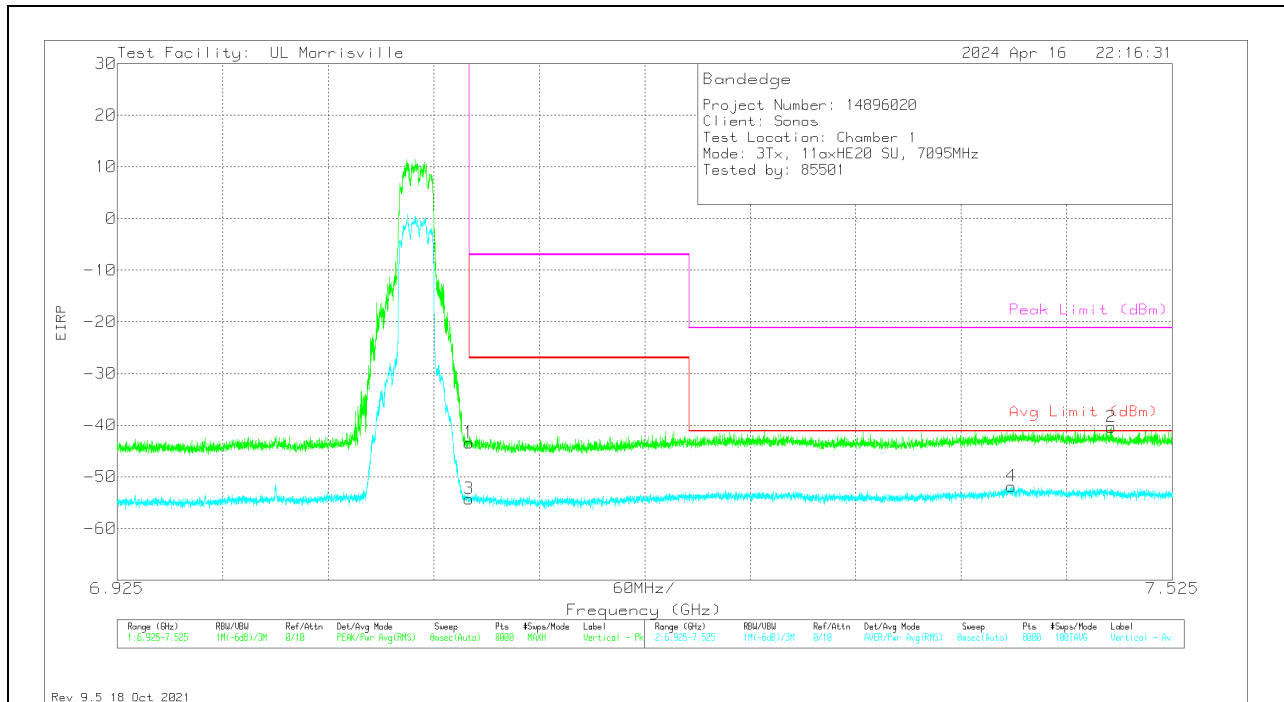
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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

Pk - Peak detector

RMS - RMS detection

### VERTICAL RESULT



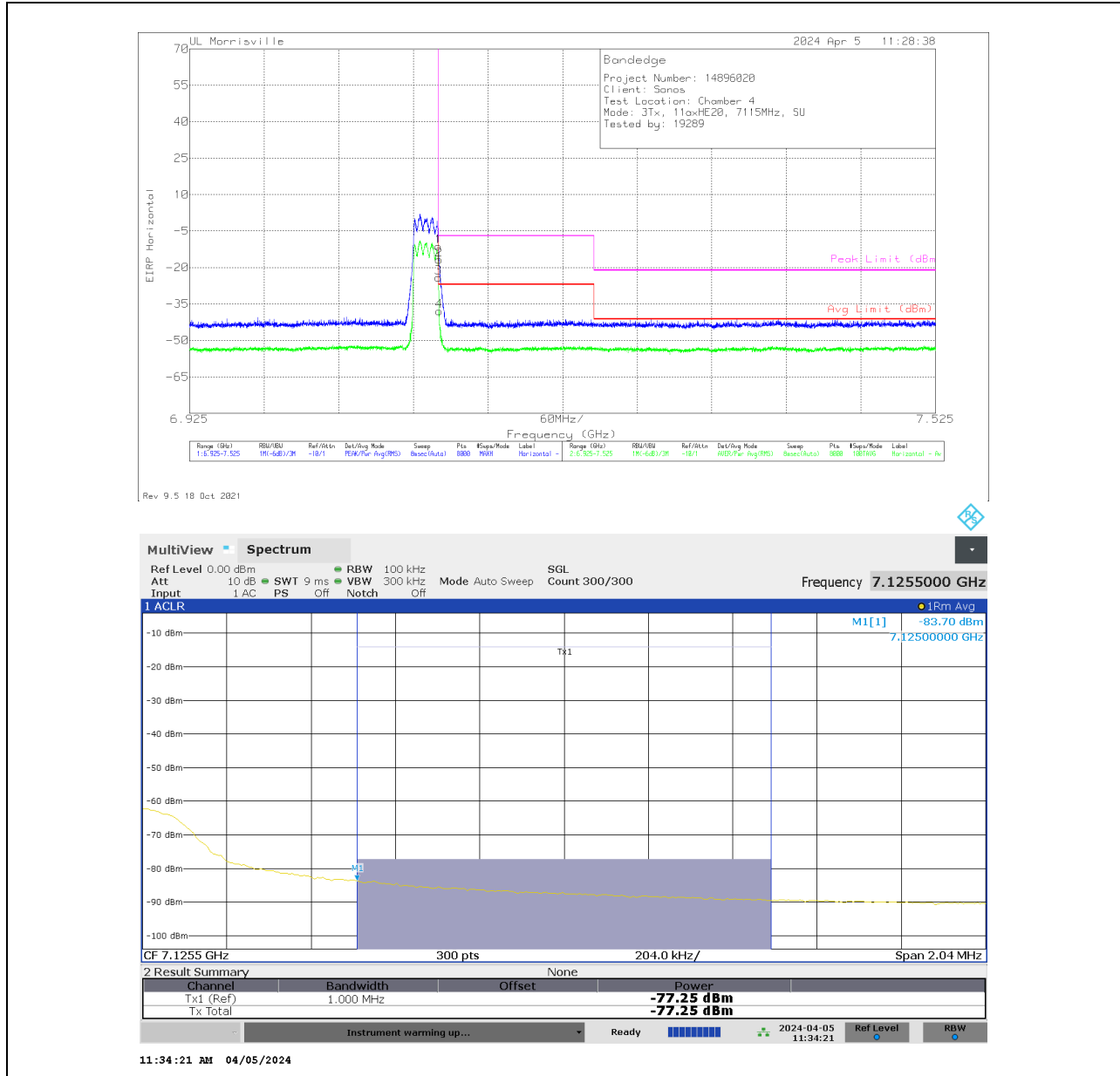
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	135143 (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Avg Limit (dBm)	RMS Margin (dB)	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	*** 7.49042	-71.05	Pk	35.5	-16.6	11.8	0	-40.35	-	-	-	-	253	155	V
4	*** 7.43341	-82.45	RMS	35.4	-16.8	11.8	.24	-51.81	-41.2	-10.61	-	-	253	155	V
1	7.12505	-71.64	Pk	35.4	-19	11.8	0	-43.44	-	-	-7	-36.44	253	155	V
3	7.12505	-82.68	RMS	35.4	-19	11.8	.24	-54.24	-27	-27.24	-	-	253	155	V

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



### BANDEDGE (HIGH CHANNEL)

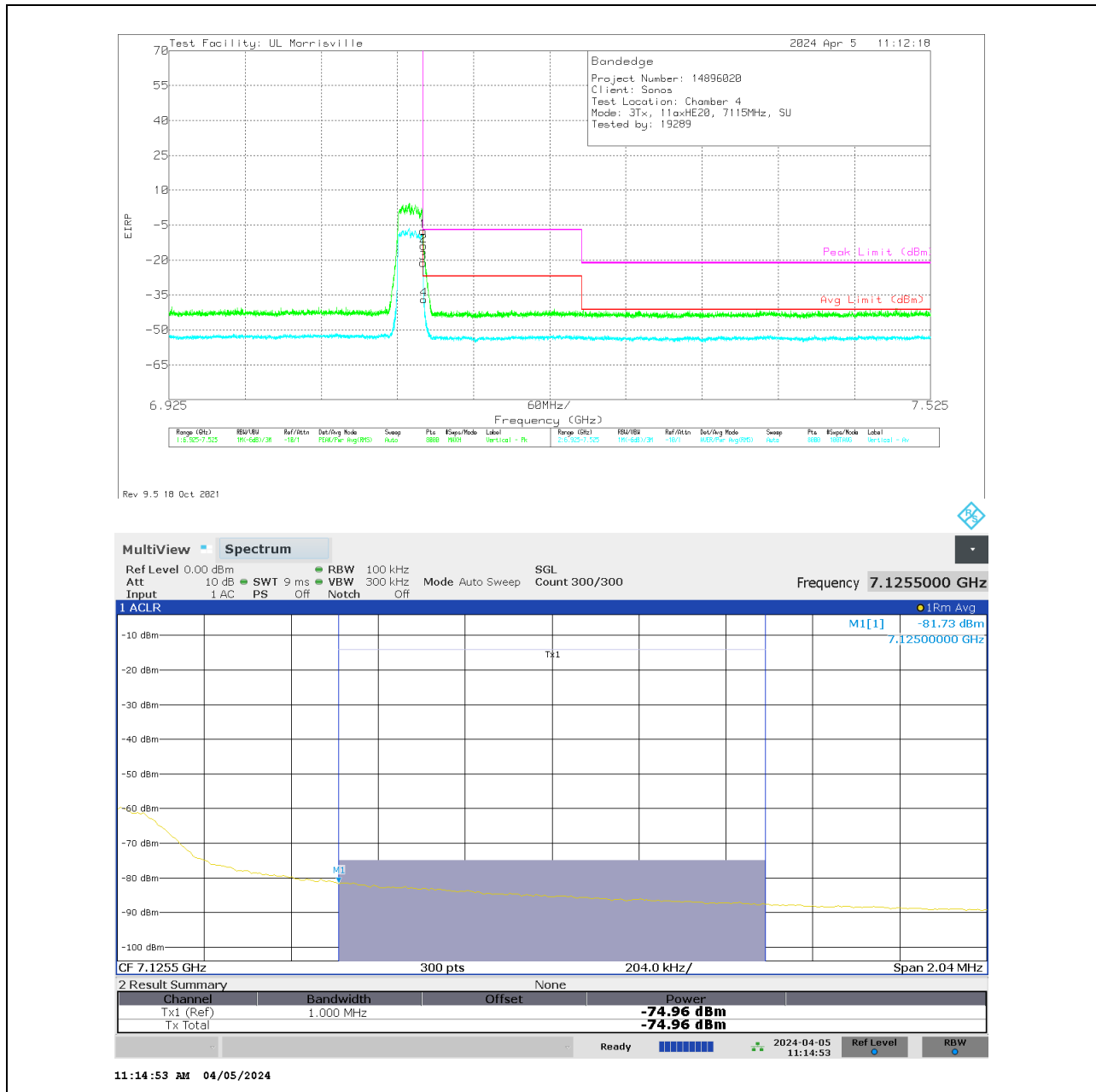
### HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Avg Limit (dBm)	RMS Margin (dB)	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	7.12505	-51.67	Pk	35.6	-7.1	11.8	0	-11.37	-	-	-7	-4.37	44	198	H
3	7.12505	-77.25	RMS	35.6	-7.1	11.8	.24	-36.71	-27	-9.71	-	-	44	198	H
2	7.12565	-57.21	Pk	35.6	-7	11.8	0	-16.81	-	-	-7	-9.81	44	198	H
4	7.1258	-77.25	RMS	35.6	-7	11.8	.24	-36.81	-27	-9.81	-	-	44	198	H

Pk - Peak detector  
 RMS - RMS detection

### VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Avg Limit (dBm)	RMS Margin (dB)	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	7.12505	-47.82	Pk	35.6	-7.1	11.8	0	-7.52	-	-	-7	-5.2	316	128	V
3	7.12505	-74.96	RMS	35.6	-7.1	11.8	.24	-34.42	-27	-7.42	-	-	316	128	V
2	7.12565	-54.27	Pk	35.6	-7	11.8	0	-13.87	-	-	-7	-6.87	316	128	V
4	7.12572	-74.96	RMS	35.6	-7	11.8	.24	-34.32	-27	-7.32	-	-	316	128	V

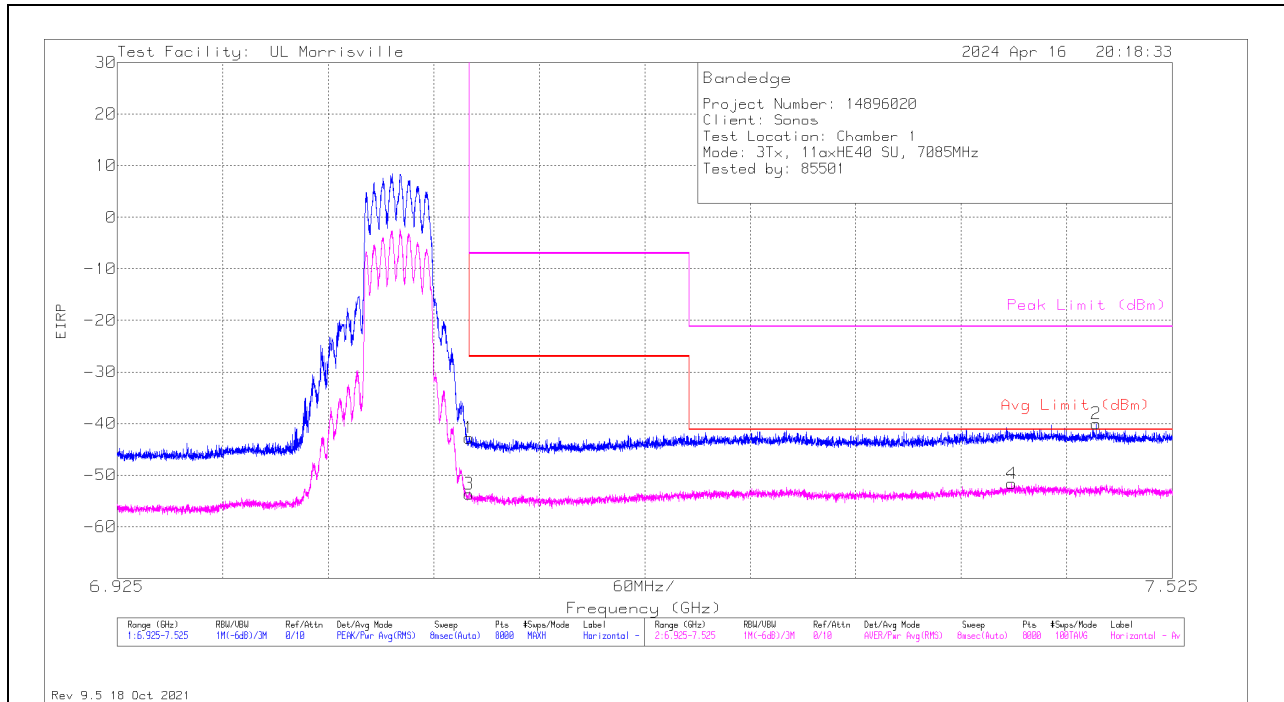
Pk - Peak detector  
 RMS - RMS detection

**10.1.11. TX ABOVE 1 GHz 802.11ax HE40 MODE IN THE UNII-8 BAND**

**3TX CHAIN 0 + CHAIN 1 + CHAIN 2 OFDMA MODE: SU**

**BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	135143 (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Avg Limit (dBm)	RMS Margin (dB)	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	*** 7.48172	-70.74	Pk	35.5	-16.6	11.8	0	-40.04	-	-	-	-	15	195	H
4	*** 7.43364	-82.48	RMS	35.4	-16.8	11.8	.44	-51.64	-41.2	-10.44	-	-	15	195	H
1	7.12505	-70.97	Pk	35.4	-19	11.8	0	-42.77	-	-	-7	-35.77	15	195	H
3	7.12505	-82.31	RMS	35.4	-19	11.8	.44	-53.67	-27	-26.67	-	-	15	195	H

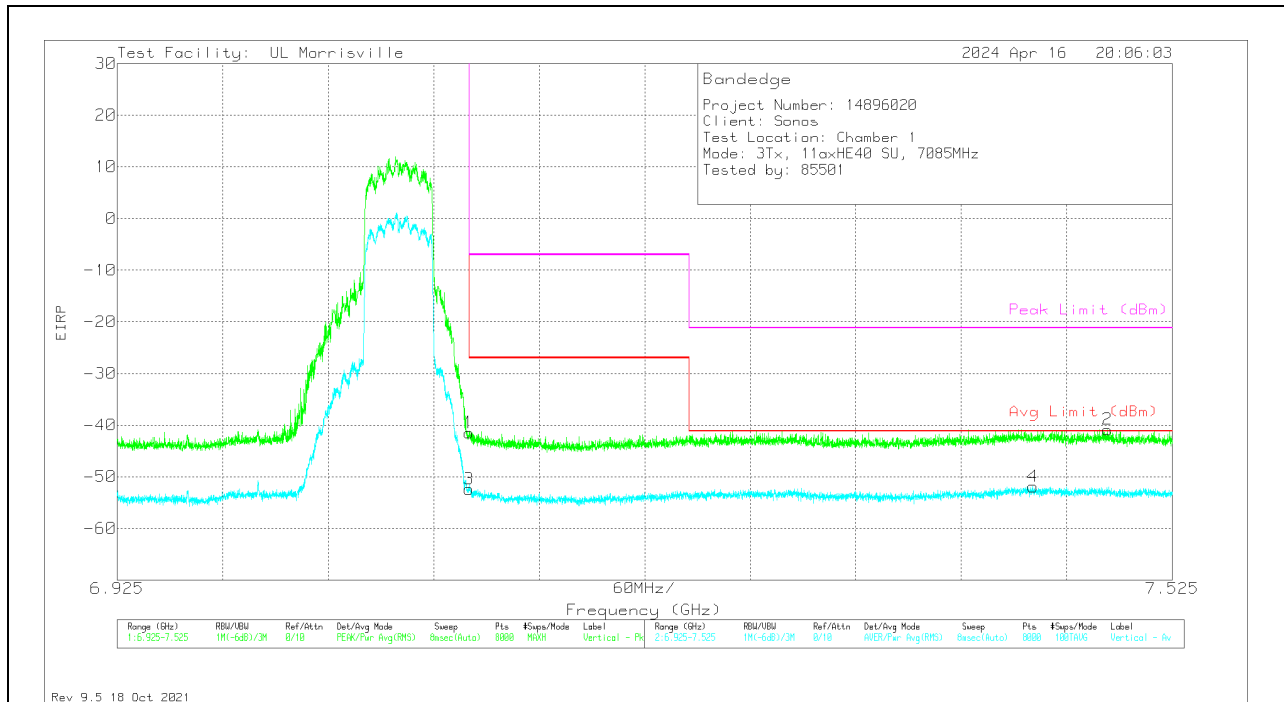
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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

Pk - Peak detector

RMS - RMS detection

### VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	135143 (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Avg Limit (dBm)	RMS Margin (dB)	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	*** 7.48809	-71.65	Pk	35.5	-16.5	11.8	0	-40.85	-	-	-	-	249	168	V
4	*** 7.44579	-82.64	RMS	35.4	-16.9	11.8	.44	-51.9	-41.2	-10.7	-	-	249	168	V
1	7.12505	-69.7	Pk	35.4	-19	11.8	0	-41.5	-	-	-7	-34.5	249	168	V
3	7.12505	-81.03	RMS	35.4	-19	11.8	.44	-52.39	-27	-25.39	-	-	249	168	V

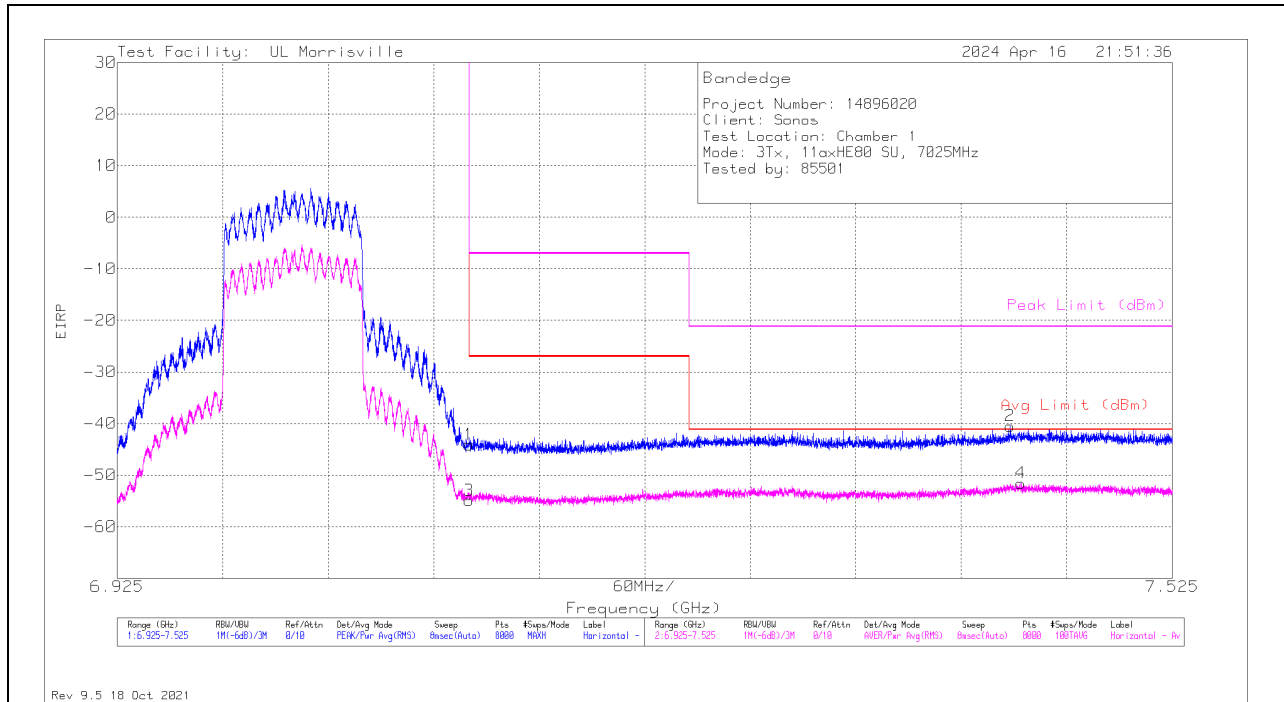
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 \*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

**10.1.12. TX ABOVE 1 GHz 802.11ax HE80 MODE IN THE UNII-8 BAND**

**3TX CHAIN 0 + CHAIN 1 + CHAIN 2 OFDMA MODE: SU**

**BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	135143 (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Avg Limit (dBm)	RMS Margin (dB)	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	*** 7.43289	-70.89	Pk	35.4	-16.8	11.8	0	-40.49	-	-	-	-	303	170	H
4	*** 7.43889	-82.63	RMS	35.4	-16.8	11.8	.67	-51.56	-41.2	-10.36	-	-	303	170	H
1	7.12505	-72.32	Pk	35.4	-19	11.8	0	-44.12	-	-	-7	-37.12	303	170	H
3	7.12505	-83.79	RMS	35.4	-19	11.8	.67	-54.92	-27	-27.92	-	-	303	170	H

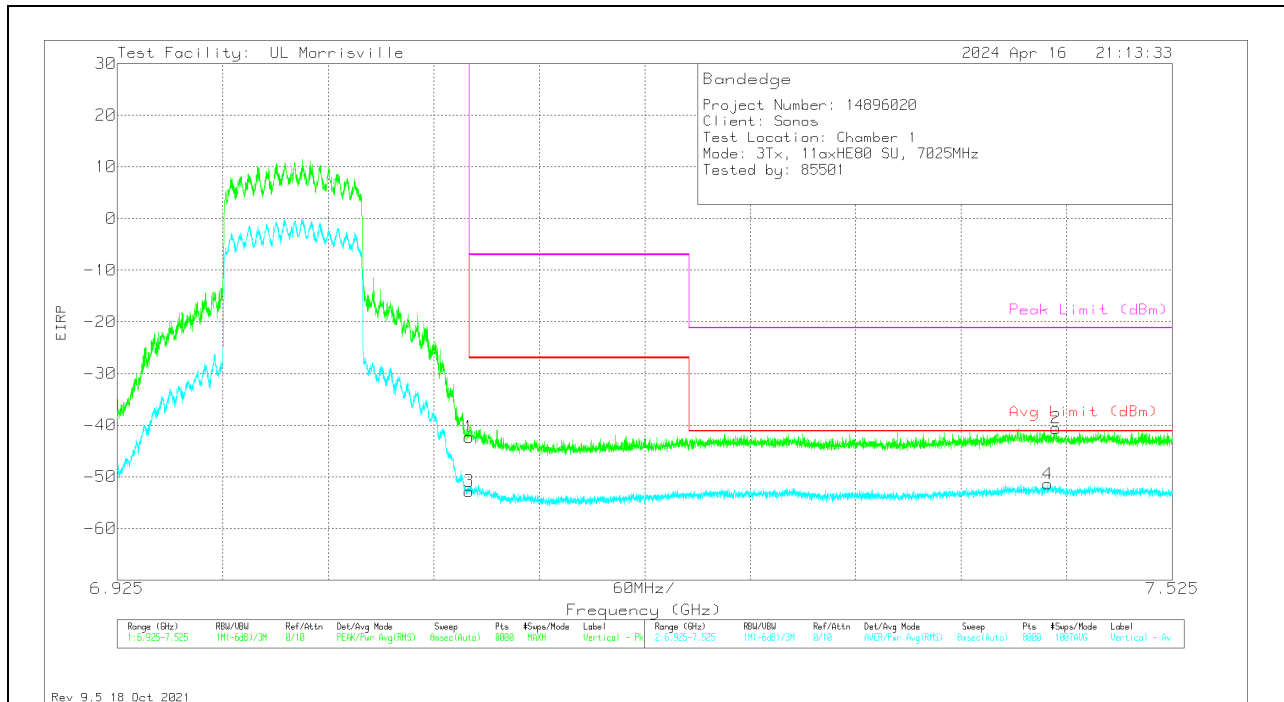
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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

Pk - Peak detector

RMS - RMS detection

### VERTICAL RESULT

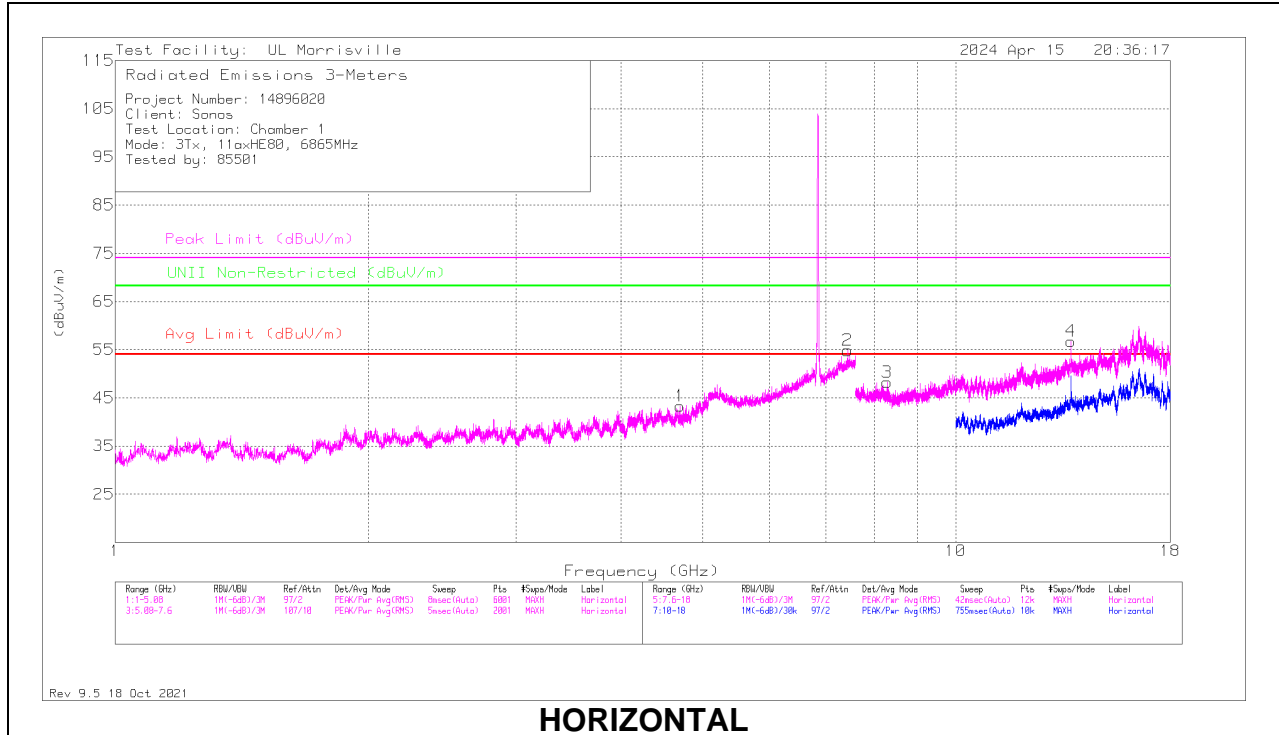


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	135143 (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Avg Limit (dBm)	RMS Margin (dB)	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	*** 7.45891	-70.98	Pk	35.5	-16.9	11.8	0	-40.58	-	-	-	-	245	211	V
4	*** 7.45419	-82.55	RMS	35.5	-16.8	11.8	.67	-51.38	-41.2	-10.18	-	-	245	211	V
1	7.12505	-70.5	Pk	35.4	-19	11.8	0	-42.3	-	-	-7	-35.3	245	211	V
3	7.12505	-81.68	RMS	35.4	-19	11.8	.67	-52.81	-27	-25.81	-	-	245	211	V

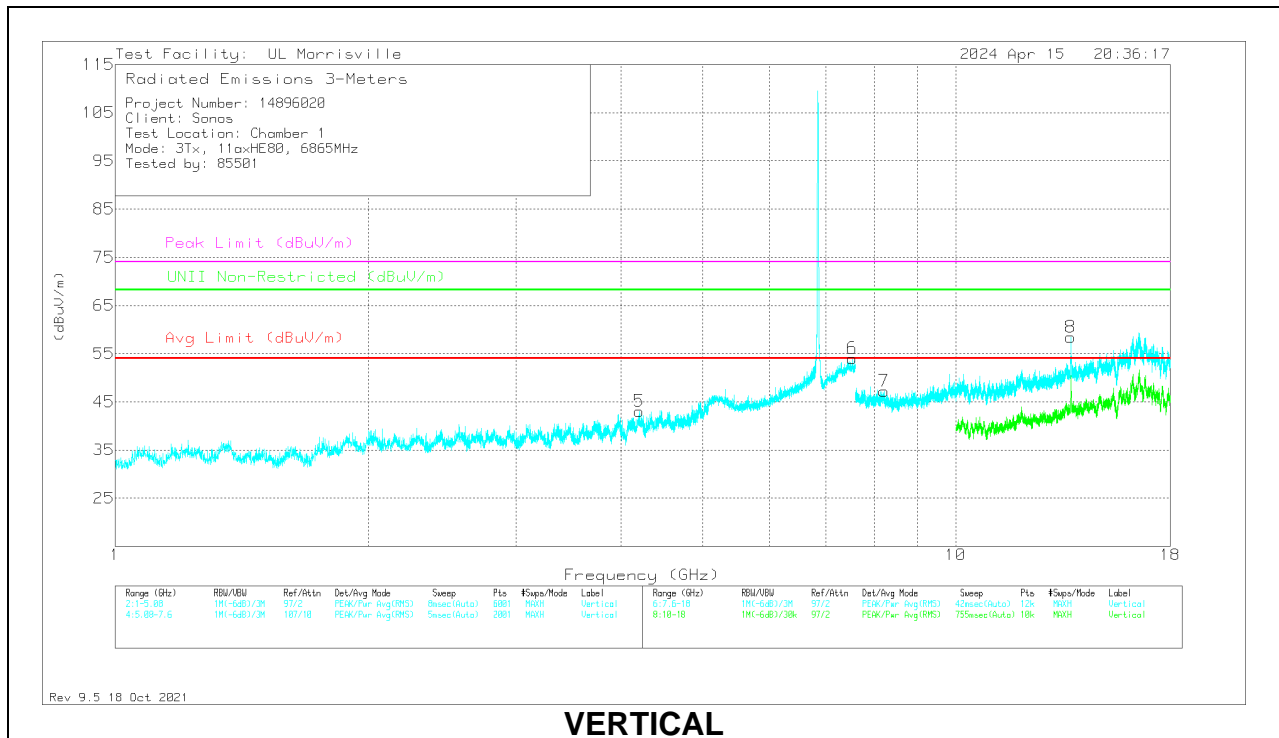
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 \*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

# HARMONICS AND SPURIOUS EMISSIONS

## LOW CHANNEL



## HORIZONTAL



## VERTICAL

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Filter (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 4.6992	39.6	Pk	33.8	-30.1	0	0	43.3	54	-10.7	74	-30.7	-	-	0-360	200	H
5	*** 4.2011	40.35	Pk	33.6	-30.9	0	0	43.05	54	-10.95	74	-30.95	-	-	0-360	200	V
2	*** 7.43443	35.91	PK2	35.4	-16.7	0	0	54.61	-	-	74	-19.39	-	-	7	132	H
	*** 7.43607	24.71	ADR	35.4	-16.7	0	.67	44.08	54	-9.92	-	-	-	-	7	132	H
6	*** 7.53633	35.19	PK2	35.5	-16.2	0	0	54.49	-	-	74	-19.51	-	-	261	123	V
	*** 7.5351	23.69	ADR	35.5	-16.2	0	.67	43.66	54	-10.34	-	-	-	-	261	123	V
3	*** 8.28497	38.81	PK2	35.9	-27	.6	0	48.31	-	-	74	-25.69	-	-	18	232	H
	*** 8.28715	27.12	ADR	35.9	-27	.6	.67	37.29	54	-16.71	-	-	-	-	18	232	H
7	*** 8.21707	37.94	Pk	35.9	-27.4	.8	0	47.24	54	-6.76	74	-26.76	-	-	0-360	200	V
8	13.70047	43.82	Pk	39	-24.7	.3	0	58.42	-	-	-	-	68.2	-9.78	0-360	101	V
4	13.70914	41.86	Pk	39	-24.4	.3	0	56.76	-	-	-	-	68.2	-11.44	0-360	200	H

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

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

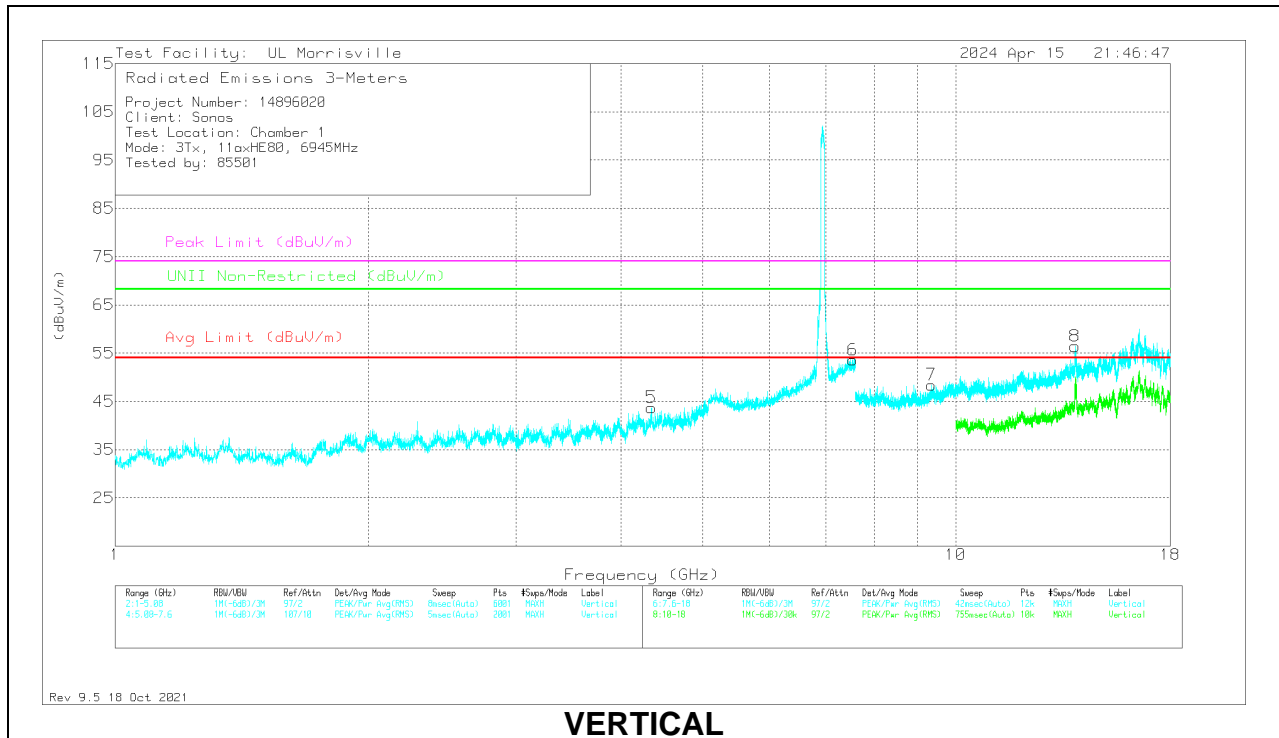
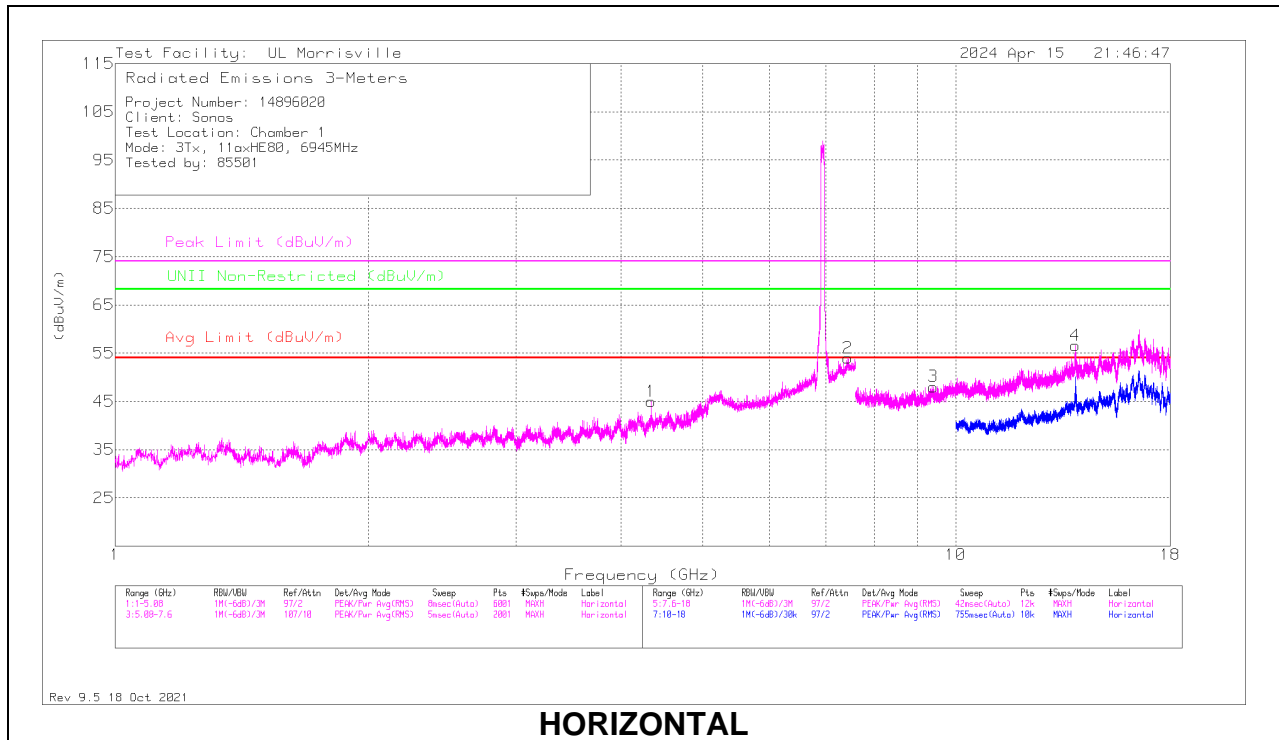
Pk - Peak detector

PK2 Maximum Peak

ADR - RMS average



**MID CHANNEL**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Filter (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 4.34356	41.77	Pk	33.7	-30.5	0	0	44.97	54	-9.03	74	-29.03	-	-	0-360	200	H
5	*** 4.34492	40.51	Pk	33.7	-30.5	0	0	43.71	54	-10.29	74	-30.29	-	-	0-360	200	V
2	*** 7.44161	35.87	PK2	35.4	-16.8	0	0	54.47	-	-	74	-19.53	-	-	262	211	H
	*** 7.43799	24.33	ADR	35.4	-16.8	0	.67	43.6	54	-10.4	-	-	-	-	262	211	H
6	*** 7.54413	35.81	PK2	35.5	-16.3	0	0	55.01	-	-	74	-18.99	-	-	169	211	V
	*** 7.54732	23.86	ADR	35.5	-16.4	0	.67	43.63	54	-10.37	-	-	-	-	169	211	V
3	*** 9.40948	39.53	PK2	36.3	-25.7	.4	0	50.53	-	-	74	-23.47	-	-	307	202	H
	*** 9.40676	27.35	ADR	36.3	-25.7	.4	.67	39.02	54	-14.98	-	-	-	-	307	202	H
7	*** 9.34914	39.42	PK2	36.2	-25.9	.3	0	50.02	-	-	74	-23.98	-	-	146	198	V
	*** 9.3495	27.76	ADR	36.2	-25.9	.3	.67	39.03	54	-14.97	-	-	-	-	146	198	V
8	13.866	41.02	Pk	39.1	-24	.3	0	56.42	-	-	-	-	68.2	-11.78	0-360	101	V
4	13.87034	41.08	Pk	39.1	-24	.4	0	56.58	-	-	-	-	68.2	-11.62	0-360	101	H

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

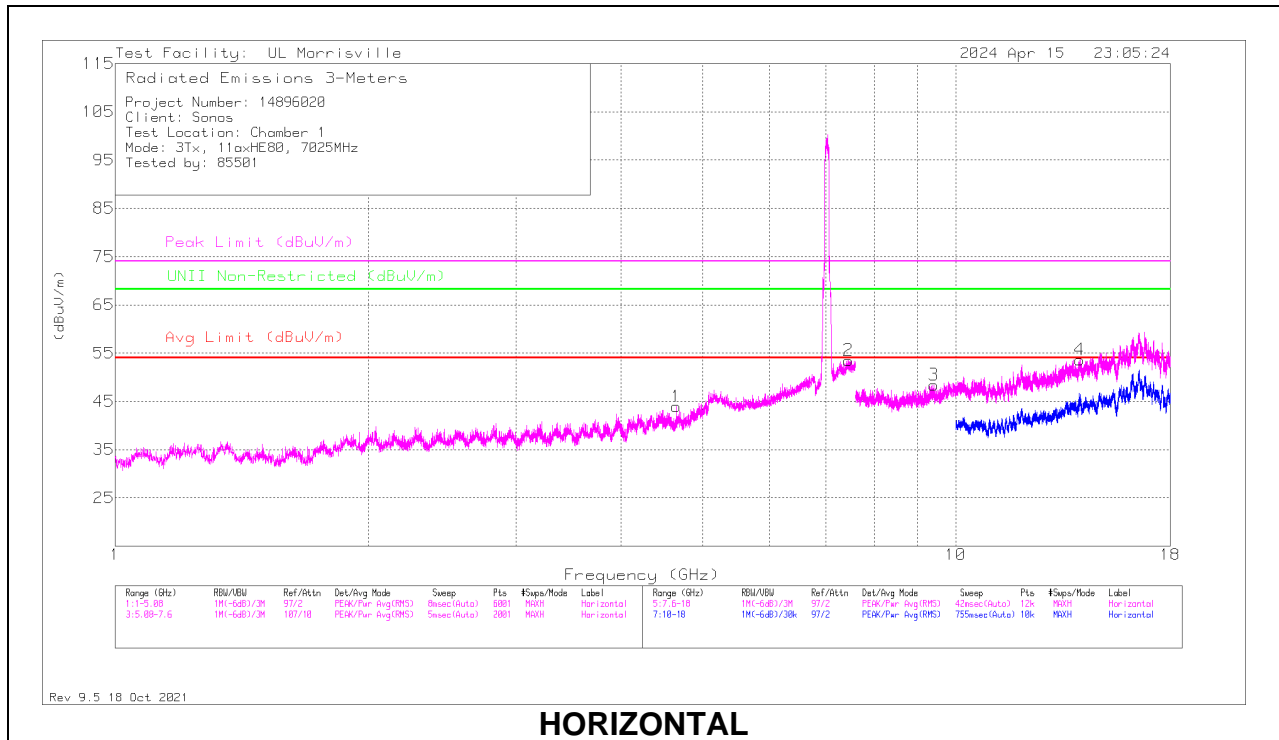
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

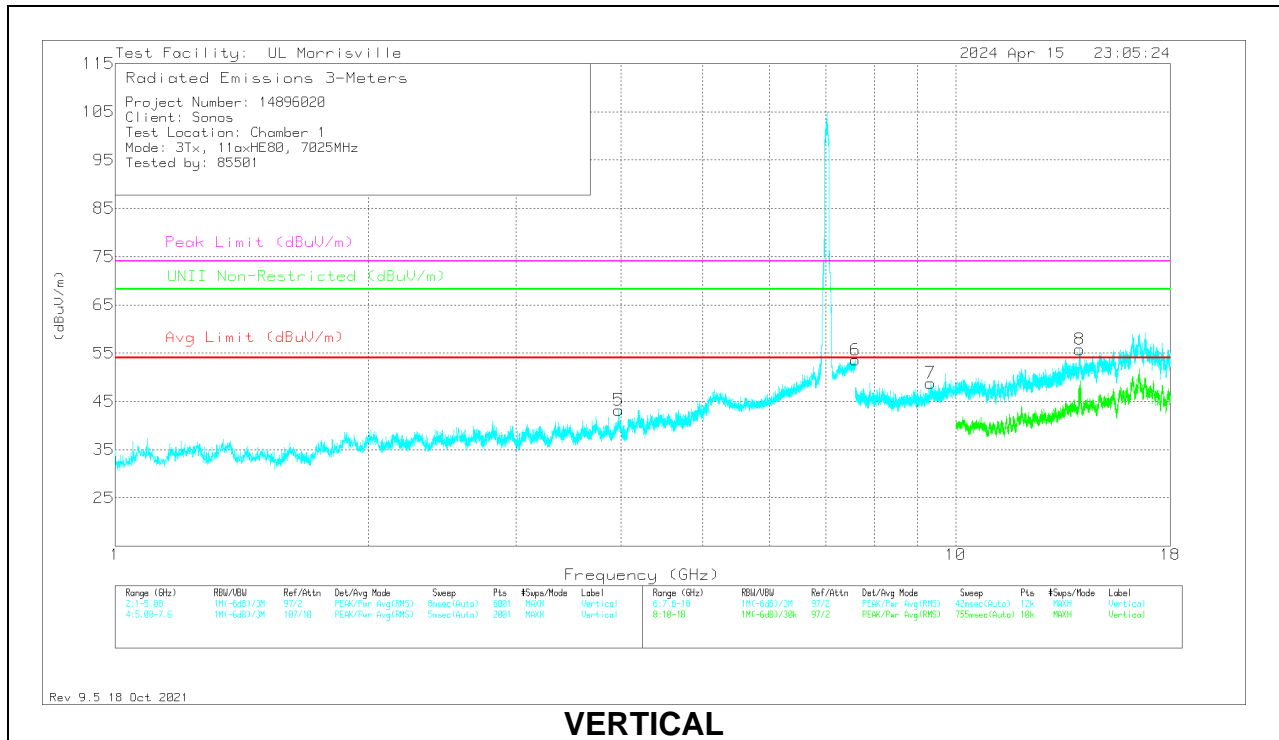
PK2 Maximum Peak

ADR - RMS average

### HIGH CHANNEL



### HORIZONTAL



### VERTICAL

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Filter (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 4.65296	40.54	Pk	33.8	-30.4	0	0	43.94	54	-10.06	74	-30.06	-	-	0-360	100	H
5	*** 3.97228	41.48	Pk	32.9	-31.2	0	0	43.18	54	-10.82	74	-30.82	-	-	0-360	101	V
2	*** 7.46041	36.23	PK2	35.5	-16.9	0	0	54.83	-	-	74	-19.17	-	-	28	334	H
	*** 7.46082	24.26	ADR	35.5	-16.9	0	.67	43.53	54	-10.47	-	-	-	-	28	334	H
6	*** 7.59481	35.61	PK2	35.5	-16.1	0	0	55.01	-	-	74	-18.99	-	-	103	180	V
	*** 7.59426	23.95	ADR	35.5	-16.1	0	.67	44.02	54	-9.98	-	-	-	-	103	180	V
3	*** 9.42026	38.89	PK2	36.3	-25.9	.4	0	49.69	-	-	74	-24.31	-	-	285	130	H
	*** 9.41967	27.4	ADR	36.3	-25.8	.4	.67	38.97	54	-15.03	-	-	-	-	285	130	H
7	*** 9.33408	39.39	PK2	36.2	-25.9	.3	0	49.99	-	-	74	-24.01	-	-	68	233	V
	*** 9.33343	27.68	ADR	36.2	-25.9	.3	.67	38.95	54	-15.05	-	-	-	-	68	233	V
8	14.04627	39.75	Pk	39.1	-23.5	.4	0	55.75	-	-	-	-	68.2	-12.45	0-360	101	V
4	14.0506	37.62	Pk	39.1	-23.5	.4	0	53.62	-	-	-	-	68.2	-14.58	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

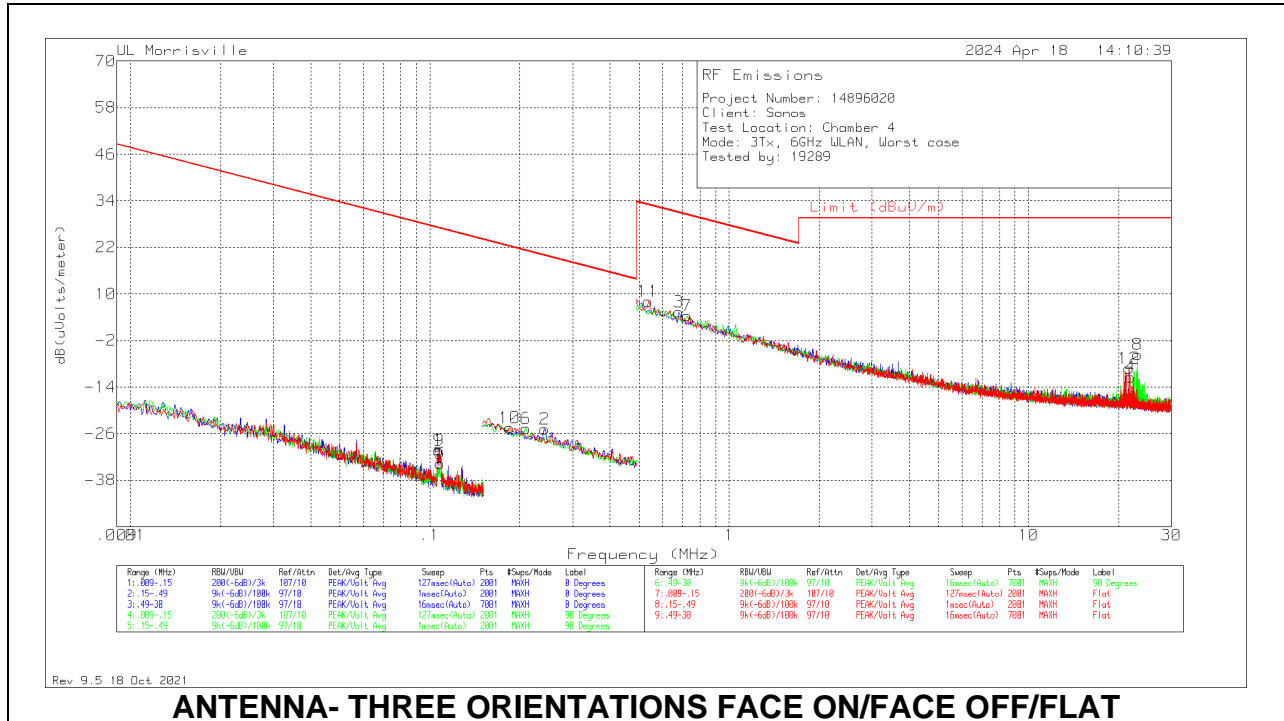
PK2 Maximum Peak

ADR - RMS average

## 10.2. WORST CASE BELOW 30MHZ

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 (test distance / specification distance).

### 10.2.1. SPURIOUS EMISSIONS BELOW 30 MHz (E-FIELD)

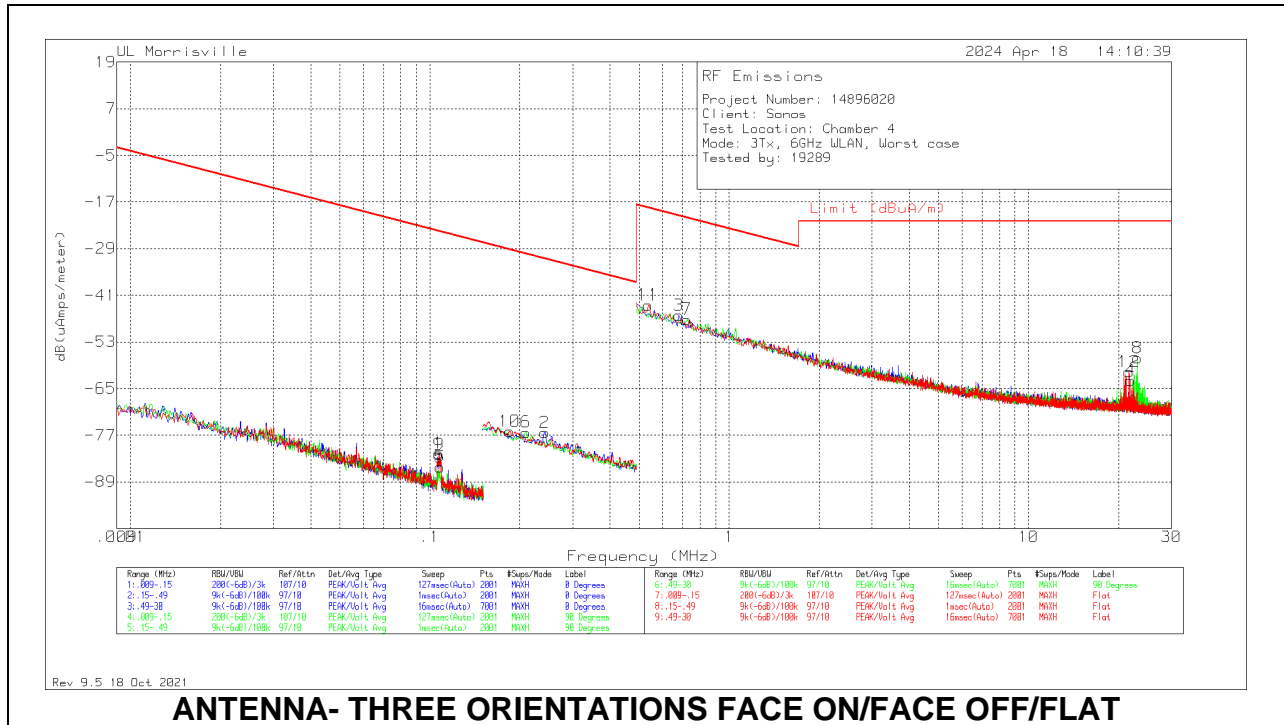


ANTENNA- THREE ORIENTATIONS FACE ON/FACE OFF/FLAT

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	135144 (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
1	.10734	38.71	Pk	11.1	0	-80	-30.19	26.99	-	-57.18	0-360	0 degs
9	.10741	38.51	Pk	11.1	0	-80	-30.39	26.98	-	-57.37	0-360	Flat
5	.10805	35.16	Pk	11.1	0	-80	-33.74	26.93	-	-60.67	0-360	90 degs
10	.18477	44.43	Pk	11.1	0	-80	-24.47	22.27	42.27	-46.74	0-360	Flat
6	.20891	44.07	Pk	11.1	.1	-80	-24.73	21.2	41.2	-45.93	0-360	90 degs
2	.24189	44.02	Pk	11.1	.1	-80	-24.78	19.93	39.93	-44.71	0-360	0 degs
11	.53638	36.82	Pk	11.1	.1	-40	8.02	33.01	-	-24.99	0-360	Flat
3	.67972	34.07	Pk	11.2	.1	-40	5.37	30.96	-	-25.59	0-360	0 degs
7	.72188	33.01	Pk	11.2	.1	-40	4.31	30.43	-	-26.12	0-360	90 degs
12	21.66275	20.24	Pk	10	.6	-40	-9.16	29.54	-	-38.7	0-360	Flat
4	21.90728	18.02	Pk	9.9	.6	-40	-11.48	29.54	-	-41.02	0-360	0 degs
8	23.12992	24.1	Pk	9.7	.6	-40	-5.6	29.54	-	-35.14	0-360	90 degs

Pk - Peak detector

### 10.2.2. SPURIOUS EMISSIONS BELOW 30 MHz (H-FIELD)

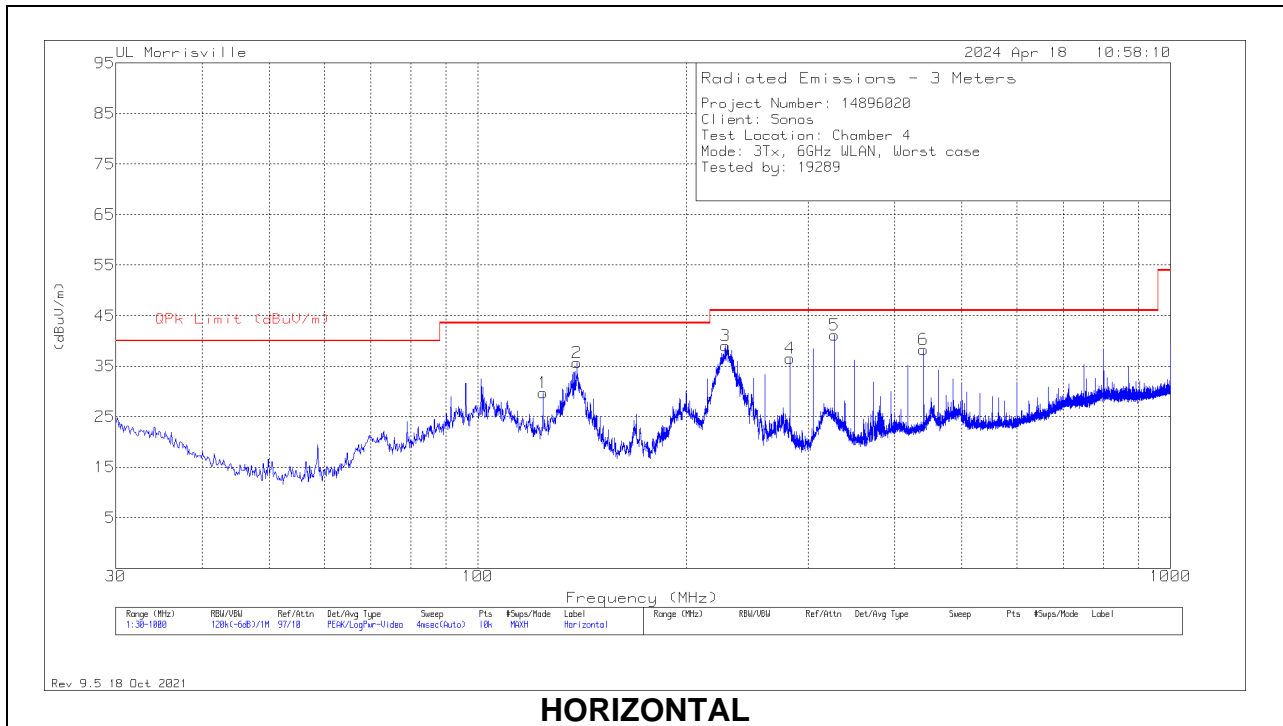


#### ANTENNA- THREE ORIENTATIONS FACE ON/FACE OFF/FLAT

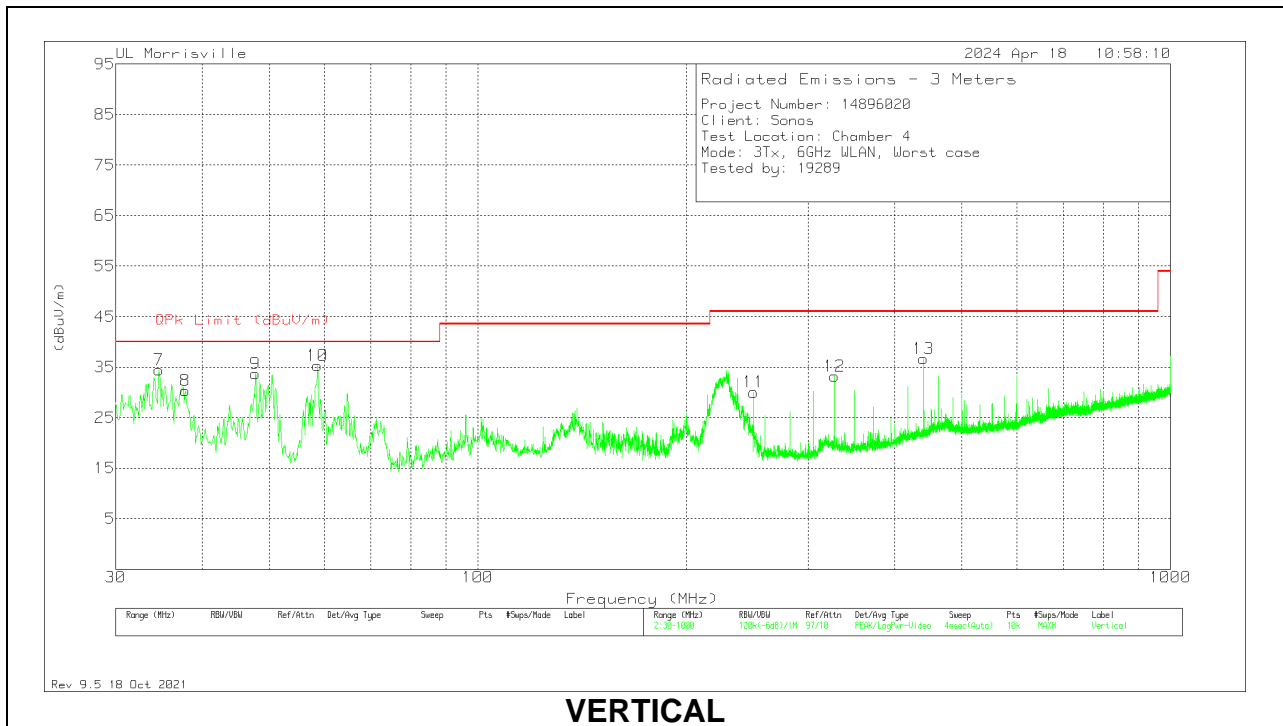
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	135144 (dBuV/m)	Gain/Loss (dB)	Dist. Corr. Factor (dB)	Corrected Reading dB(uAmps/meter)	QP/AV Limit (dBuA/m)	PK Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Loop Angle
1	.10734	38.71	Pk	-40.4	0	-80	-81.69	-24.51	-	-57.18	0-360	0 degs
9	.10741	38.51	Pk	-40.4	0	-80	-81.89	-24.52	-	-57.37	0-360	Flat
5	.10805	35.16	Pk	-40.4	0	-80	-85.24	-24.57	-	-60.67	0-360	90 degs
10	.18477	44.43	Pk	-40.4	0	-80	-75.97	-29.23	-9.23	-46.74	0-360	Flat
6	.20891	44.07	Pk	-40.4	.1	-80	-76.23	-30.3	-10.3	-45.93	0-360	90 degs
2	.24189	44.02	Pk	-40.4	.1	-80	-76.28	-31.57	-11.57	-44.71	0-360	0 degs
11	.53638	36.82	Pk	-40.4	.1	-40	-43.48	-18.49	-	-24.99	0-360	Flat
3	.67972	34.07	Pk	-40.3	.1	-40	-46.13	-20.54	-	-25.59	0-360	0 degs
7	.72188	33.01	Pk	-40.3	.1	-40	-47.19	-21.07	-	-26.12	0-360	90 degs
12	21.66275	20.24	Pk	-41.5	.6	-40	-60.66	-21.96	-	-38.7	0-360	Flat
4	21.90728	18.02	Pk	-41.6	.6	-40	-62.98	-21.96	-	-41.02	0-360	0 degs
8	23.12992	24.1	Pk	-41.8	.6	-40	-57.1	-21.96	-	-35.14	0-360	90 degs

Pk - Peak detector

### 10.3. WORST CASE BELOW 1 GHZ



**HORIZONTAL**



**VERTICAL**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	90628 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 124.187	40.97	Pk	20.1	-31.3	29.77	43.52	-13.75	0-360	100	H
4	* ** 282.2	47.49	Pk	19.5	-30.4	36.59	46.02	-9.43	0-360	100	H
5	* ** 327.4001	50.81	Qp	20.1	-30.2	40.71	46.02	-5.31	98	102	H
8	* ** 37.76	40.8	Pk	21.7	-32.1	30.4	40	-9.6	0-360	100	V
11	* ** 249.996	43.04	Pk	17.5	-30.5	30.04	46.02	-15.98	0-360	100	V
12	* ** 327.402	43.26	Pk	20.1	-30.2	33.16	46.02	-12.86	0-360	200	V
7	34.656	42.77	Pk	23.8	-32.1	34.47	-	-	0-360	100	V
9	47.751	50.72	Pk	15	-32	33.72	-	-	0-360	100	V
10	58.712	53.4	Pk	13.7	-31.8	35.3	-	-	0-360	100	V
2	139.028	47.57	Pk	19.3	-31.2	35.67	-	-	0-360	100	H
3	227.783	52.69	Pk	17	-30.7	38.99	-	-	0-360	100	H
6	440.31	45.45	Pk	22.7	-29.8	38.35	-	-	0-360	100	H
13	440.31	43.73	Pk	22.7	-29.8	36.63	-	-	0-360	100	V

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

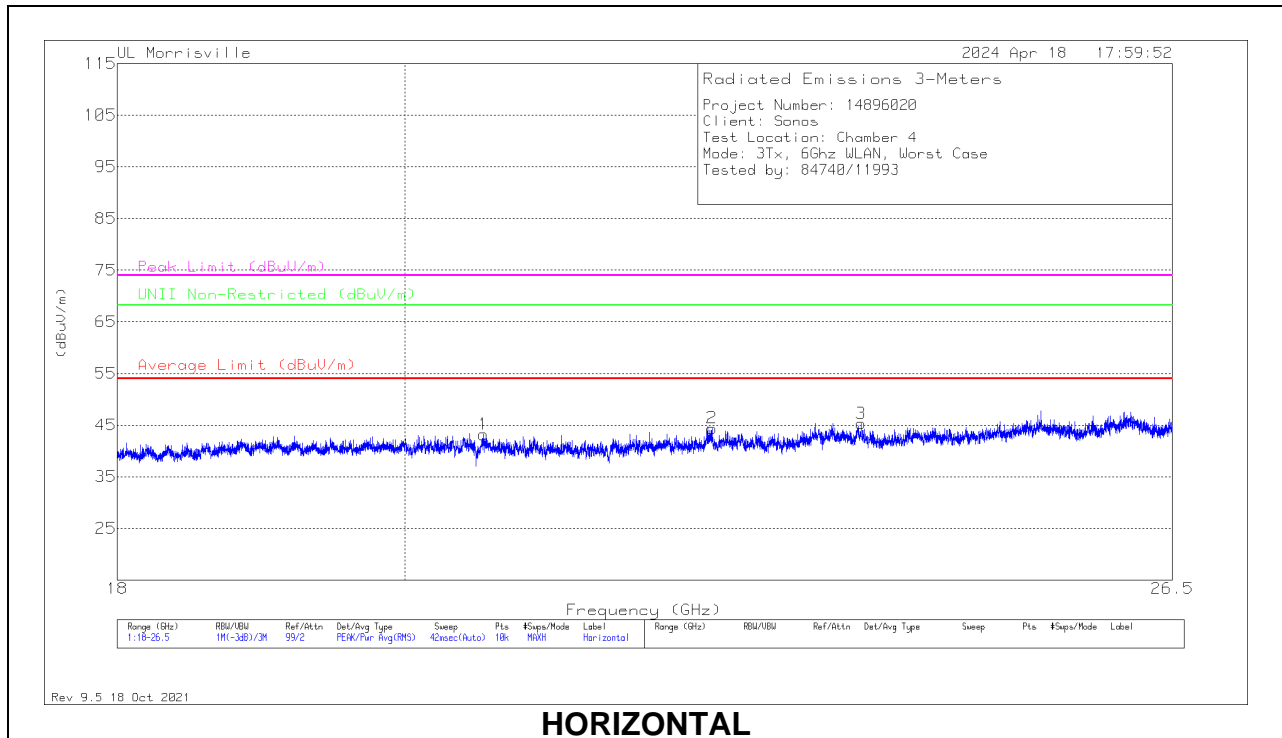
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

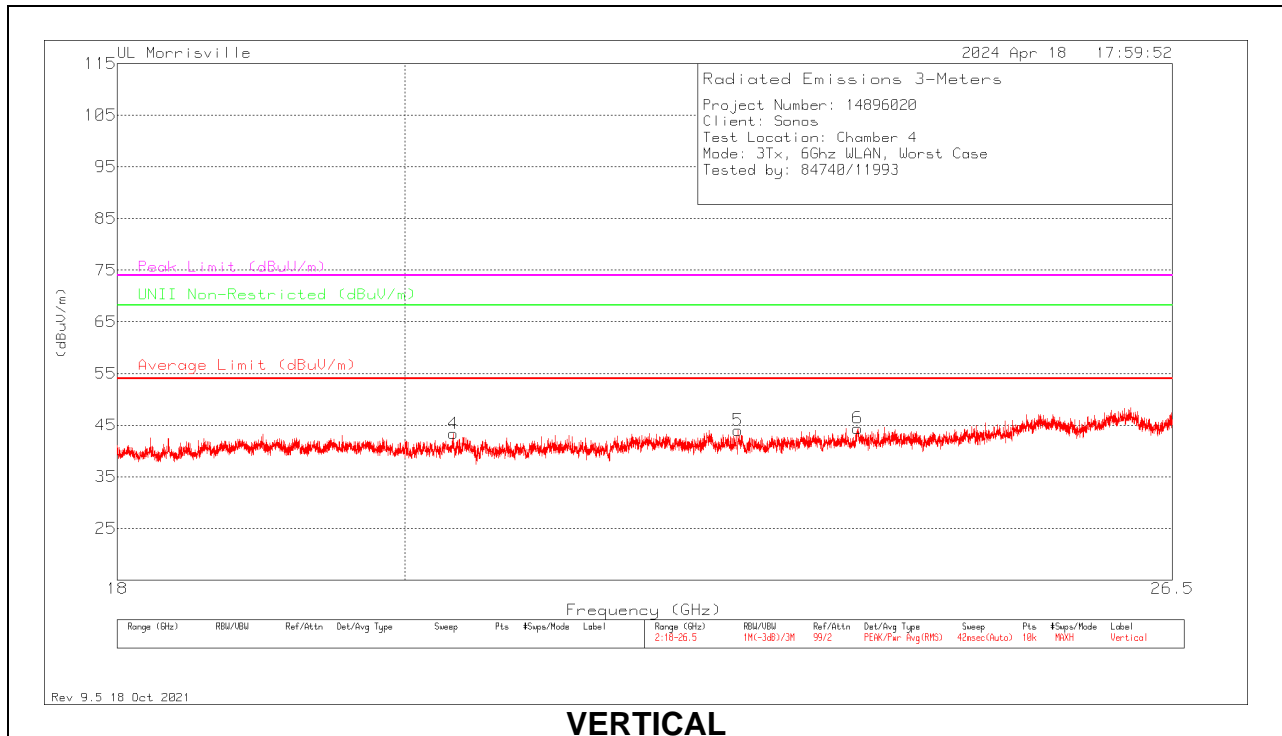
Qp - Quasi-Peak detector



### 10.4. WORST CASE 18-26.5 GHZ



**HORIZONTAL**



**VERTICAL**

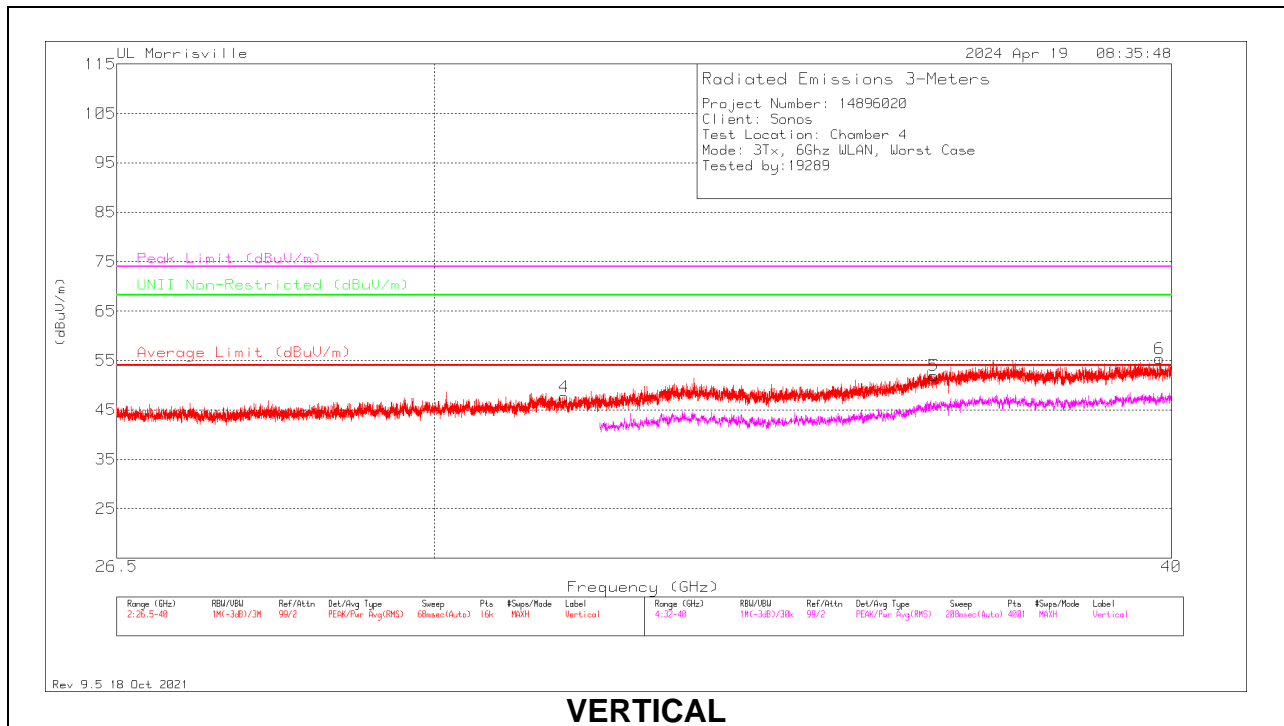
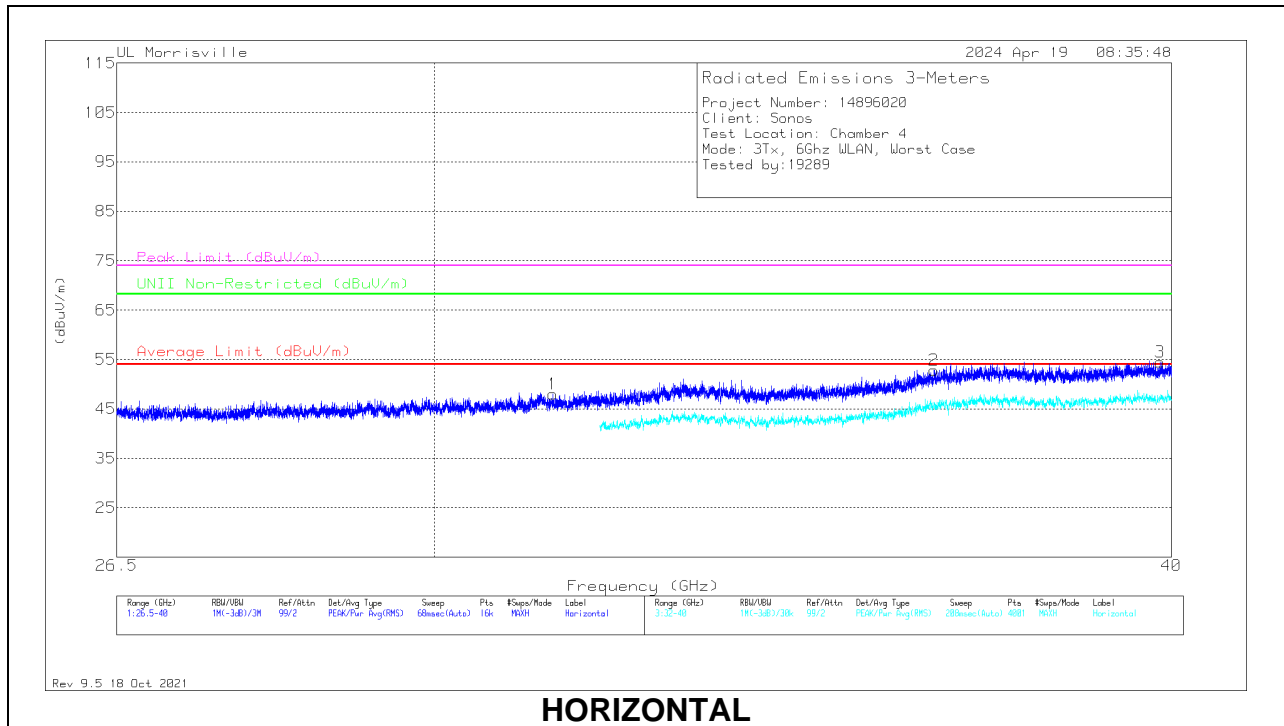
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	204704 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 20.58629	49	Pk	33.7	-39.5	43.2	54	-10.8	74	-30.8	-	-	0-360	250	H
2	*** 22.38471	49.1	Pk	34.1	-38.8	44.4	54	-9.6	74	-29.6	-	-	0-360	100	H
3	*** 23.64174	47.6	Pk	34.6	-36.9	45.3	54	-8.7	74	-28.7	-	-	0-360	100	H
4	*** 20.35936	48.84	Pk	33.6	-39.1	43.34	54	-10.66	74	-30.66	-	-	0-360	300	V
5	*** 22.59974	47.88	Pk	34.3	-38.2	43.98	54	-10.02	74	-30.02	-	-	0-360	300	V
6	*** 23.61369	45.99	Pk	34.6	-36.2	44.39	54	-9.61	74	-29.61	-	-	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

### 10.5. WORST CASE 26.5-40 GHZ



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	204705 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 31.418	44.25	PK-U	36.8	-31.7	0	49.35	-	-	74	-24.65	-	-	152	181	H
	* ** 31.41825	32.34	ADR	36.8	-31.7	.67	38.11	54	-15.89	-	-	-	-	152	181	H
2	*** 36.46034	49.18	PK-U	37.9	-33.1	0	53.98	-	-	74	-20.02	-	-	88	372	H
	*** 36.46112	36.87	ADR	37.9	-33.2	.67	42.24	54	-11.76	-	-	-	-	88	372	H
3	*** 39.82387	47.6	PK-U	38.5	-30.8	0	55.3	-	-	74	-18.7	-	-	3	368	H
	*** 39.82362	35.06	ADR	38.5	-30.8	.67	43.43	54	-10.57	-	-	-	-	3	368	H
4	*** 31.55881	42.84	Pk	36.8	-32	0	47.64	54	-6.36	74	-26.36	-	-	0-360	300	V
5	*** 36.45529	49.71	PK-U	37.9	-33.2	0	54.41	-	-	74	-19.59	-	-	88	241	V
	*** 36.45543	36.77	ADR	37.9	-33.2	.67	42.14	54	-11.86	-	-	-	-	88	241	V
6	*** 39.81237	47.3	PK-U	38.5	-30.7	0	55.1	-	-	74	-18.9	-	-	64	283	V
	*** 39.81318	35.07	ADR	38.5	-30.6	.67	43.64	54	-10.36	-	-	-	-	64	283	V

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

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

Pk - Peak detector

PK-U - Maximum Peak

ADR - RMS average

## 11. AC POWER LINE CONDUCTED EMISSIONS

### LIMITS

FCC §15.207 (a)  
RSS-Gen 8.8

Frequency of Emission (MHz)	Conducted Limit (dB $\mu$ V)	
	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.

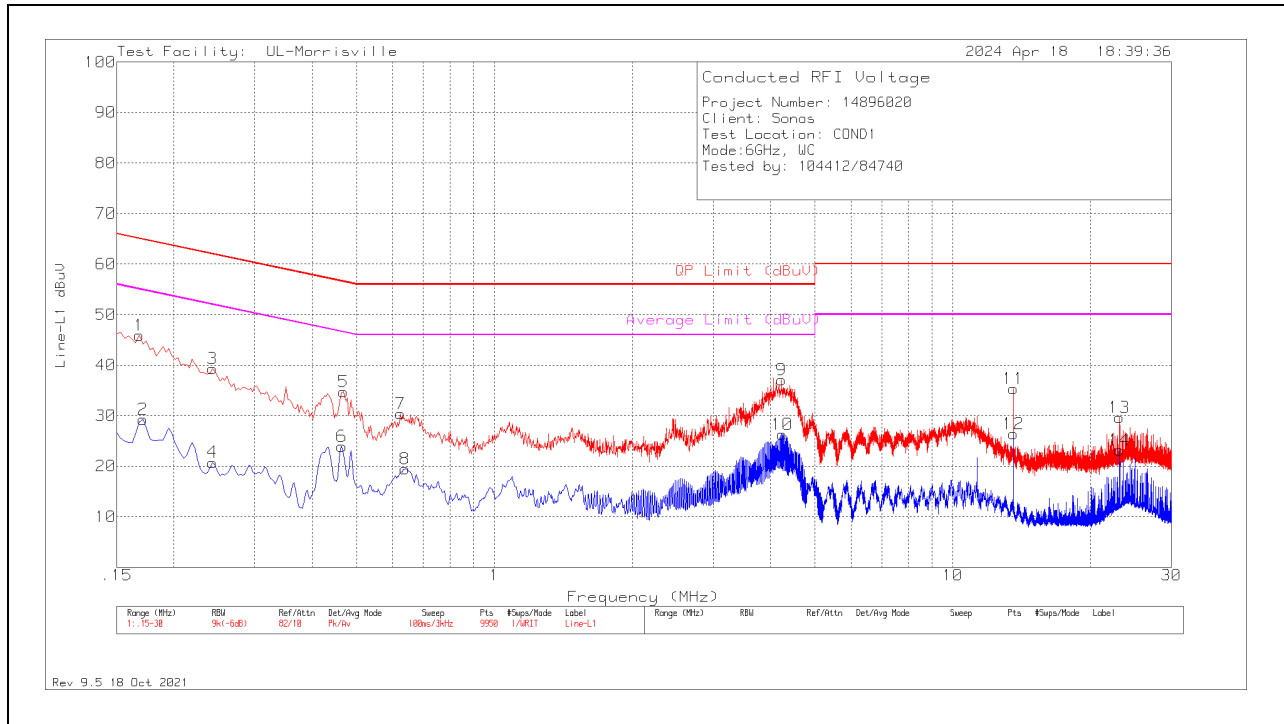
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

Line conducted data is recorded for both lines.

### RESULTS

# 11.1. AC POWER LINE NORM

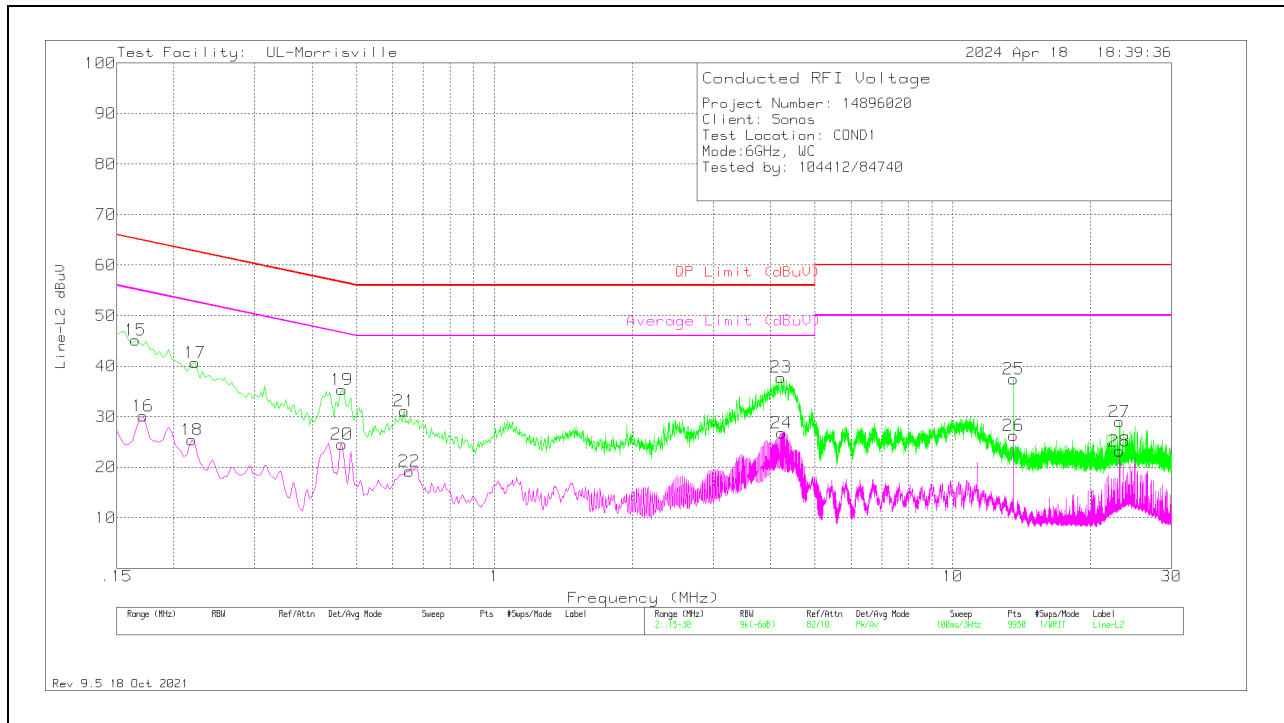
## LINE 1 RESULTS



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	.168	35.84	Pk	.3	9.8	45.94	65.06	-19.12	-	-
2	.171	19.22	Av	.3	9.8	29.32	-	-	54.91	-25.59
3	.243	29.34	Pk	.2	9.8	39.34	61.99	-22.65	-	-
4	.243	10.76	Av	.2	9.8	20.76	-	-	51.99	-31.23
6	.465	14.07	Av	.1	9.8	23.97	-	-	46.6	-22.63
5	.468	24.85	Pk	.1	9.8	34.75	56.55	-21.8	-	-
7	.624	20.47	Pk	.1	9.8	30.37	56	-25.63	-	-
8	.639	9.58	Av	.1	9.8	19.48	-	-	46	-26.52
9	4.23	27.08	Pk	.1	9.9	37.08	56	-18.92	-	-
10	4.251	16.29	Av	.1	9.9	26.29	-	-	46	-19.71
11	13.56	25.2	Pk	.2	10	35.4	60	-24.6	-	-
12	13.56	16.24	Av	.2	10	26.44	-	-	50	-23.56
13	23.13	19.13	Pk	.3	10.2	29.63	60	-30.37	-	-
14	23.13	12.67	Av	.3	10.2	23.17	-	-	50	-26.83

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	.165	35.03	Pk	.3	9.8	45.13	65.21	-20.08	-	-
16	.171	19.99	Av	.3	9.8	30.09	-	-	54.91	-24.82
18	.219	15.4	Av	.2	9.8	25.4	-	-	52.86	-27.46
17	.222	30.67	Pk	.2	9.8	40.67	62.74	-22.07	-	-
19	.465	25.44	Pk	.1	9.8	35.34	56.6	-21.26	-	-
20	.465	14.59	Av	.1	9.8	24.49	-	-	46.6	-22.11
21	.636	21.19	Pk	.1	9.8	31.09	56	-24.91	-	-
22	.6525	9.36	Av	.1	9.8	19.26	-	-	46	-26.74
23	4.224	27.77	Pk	.1	9.9	37.77	56	-18.23	-	-
24	4.227	16.83	Av	.1	9.9	26.83	-	-	46	-19.17
25	13.56	27.26	Pk	.2	10	37.46	60	-22.54	-	-
26	13.563	16.13	Av	.2	10	26.33	-	-	50	-23.67
27	23.13	18.54	Pk	.3	10.2	29.04	60	-30.96	-	-
28	23.13	12.63	Av	.3	10.2	23.13	-	-	50	-26.87

Pk - Peak detector  
 Av - Average detection

## 12. SETUP PHOTOS

Please refer to R14896020-EP1 for setup photos

**END OF TEST REPORT**