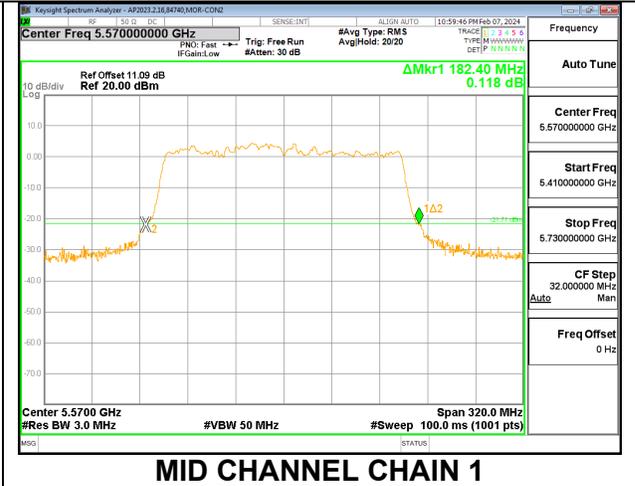
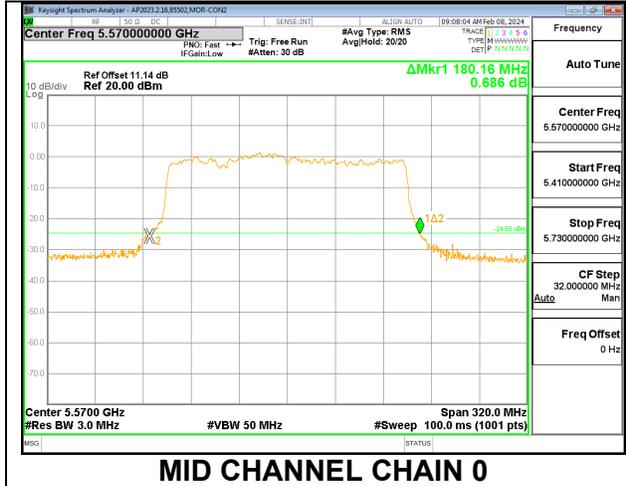


**9.2.25. 802.11ax HE160 MODE 2TX IN THE 5.6GHz BAND**  
**2TX CDD MODE: 2x996T**

Channel	Frequency	26dB BW Chain 0 (MHz)	26dB BW Chain 1 (MHz)
Mid	5570	180.16	182.40



### 9.3. 6 dB BANDWIDTH

#### LIMITS

FCC §15.407 (e)

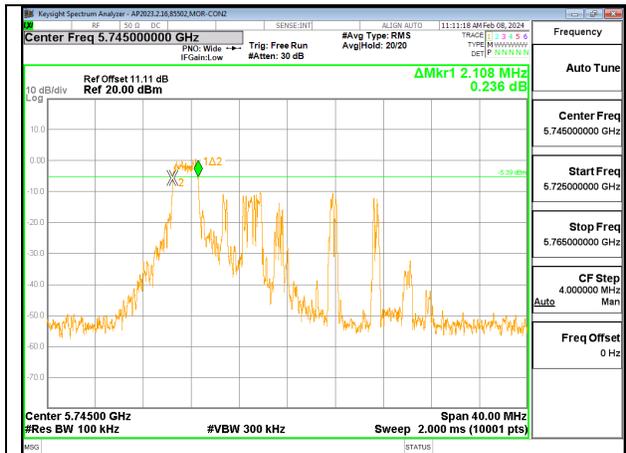
The minimum 6 dB bandwidth shall be at least 500 kHz.

#### RESULTS

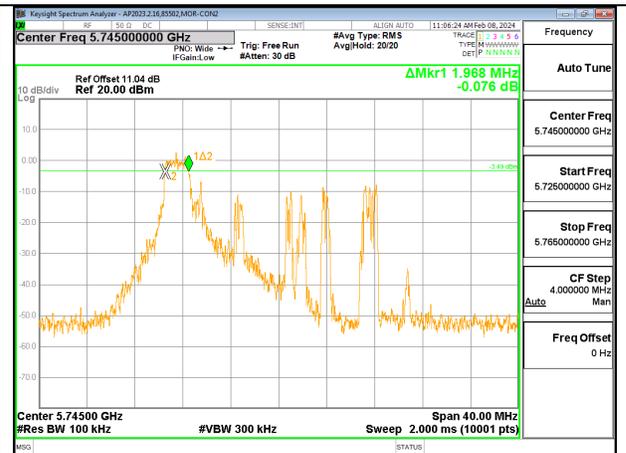
#### 9.3.1. 802.11ax HE20 MODE 2TX IN THE 5.8GHz BAND

#### 2TX CDD MODE: 26T

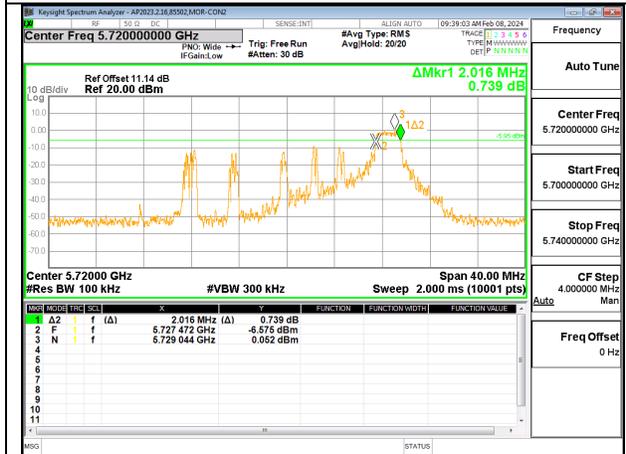
Channel	Frequency (MHz)	6 dB BW Chain 0 (MHz)	6 dB BW Chain 1 (MHz)	Minimum Limit (MHz)
Low	5745	2.108	1.968	0.5
Mid	5785	2.656	2.584	0.5
High	5825	2.008	2.016	0.5
144	5720	2.016	4.476	0.5



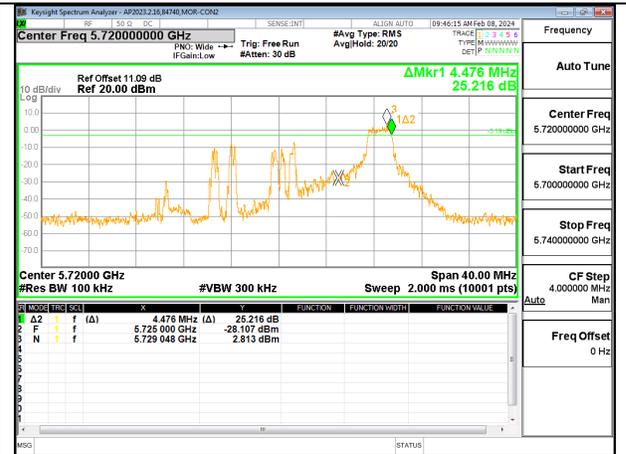
LOW CHANNEL CHAIN 0



LOW CHANNEL CHAIN 1



CHANNEL 144 CHAIN 0



CHANNEL 144 CHAIN 1

## 9.4. OUTPUT POWER AND PSD

### LIMITS

#### FCC §15.407

##### **Band 5.15–5.25 GHz**

(iv) For mobile and portable client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

##### **Bands 5.25-5.35 GHz and 5.47-5.725 GHz**

The maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or  $11 \text{ dBm} + 10 \log B$ , where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

##### **Band 5.725-5.85 GHz**

The maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information.

**TEST PROCEDURE**

The measurement method used for output power is KDB 789033 D02 v02r01, Section E.3.b (Method PM-G).

The measurement method used for power spectral density is KDB 789033 D02 v02r01, Section F

The power output was measured on the EUT antenna port using SMA cable with 10dB attenuator connected to a power meter via wideband average power sensor. Gated average output power was read directly from power meter. EUT was connected to spectrum analyzer for PSD measurements.

**DIRECTIONAL ANTENNA GAIN**

For 2 TX:

Tx chains are uncorrelated for power and correlated for PSD due to the device supporting CDD in all MIMO modes. The directional gains are as follows:

Band (GHz)	Chain 0 Antenna Gain (dBi)	Chain 1 Antenna Gain (dBi)	Uncorrelated Chains Directional Gain (dBi)	Correlated Chains Directional Gain (dBi)
5.2	-1.05	-1.85	-1.43	1.57
5.3	-1.05	-1.85	-1.43	1.57
5.6	-0.98	-0.59	-0.78	2.23
5.8	-0.53	-0.92	-0.72	2.29

Directional gains for MIMO operations were determined using KDB662911 D01 Section F (2)(d)(i) and (ii) for unequal antenna gains, with equal transmit powers. The directional gains are calculated using the formulas for uncorrelated and correlated transmissions across the two transmit antennas.

- (i) Correlated gain =  $10\log((10^{G1/20} + 10^{G2/20})^2 / N_{Ant})$
- (ii) Uncorrelated gain =  $10\log((10^{G1/10} + 10^{G2/10}) / N_{Ant})$

Sample calculation, using 2 antennas:

Correlated gain =  $10\log(10^{-1.05/20} + 10^{-1.85/20})^2/2) = 1.57\text{dBi}$

Uncorrelated gain =  $10\log(10^{-1.05/10} + 10^{-1.85/10})/2) = -1.43\text{dBi}$

**RESULT**

### 9.4.1. 802.11a MODE IN THE 5.2 GHz BAND

#### 2TX CHAIN 0 + CHAIN 1 CDD MODE

<b>Test Engineer:</b>	85502
<b>Test Date:</b>	2024/01/03

#### Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)
Low	5180	-1.43	24.00
Mid	5200	-1.43	24.00
High	5240	-1.43	24.00

#### Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	7.09	7.44	10.28	24.00	-13.72
Mid	5200	7.08	7.38	10.24	24.00	-13.76
High	5240	7.09	7.46	10.29	24.00	-13.71

### 9.4.2. 802.11n HT20 MODE IN THE 5.2 GHz BAND

#### 2TX CHAIN 0 + CHAIN 1 CDD MODE

<b>Test Engineer:</b>	85502
<b>Test Date:</b>	2024/01/03

#### Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)
Low	5180	-1.43	24.00
Mid	5200	-1.43	24.00
High	5240	-1.43	24.00

#### Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	7.03	7.46	10.26	24.00	-13.74
Mid	5200	7.05	7.47	10.28	24.00	-13.72
High	5240	7.03	7.46	10.26	24.00	-13.74

### 9.4.3. 802.11n HT40 MODE IN THE 5.2 GHz BAND

#### 2TX CHAIN 0 + CHAIN 1 CDD MODE

<b>Test Engineer:</b>	85502
<b>Test Date:</b>	2024/01/03

#### Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)
Low	5190	-1.43	24.00
High	5230	-1.43	24.00

#### Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	6.65	7.18	9.93	24.00	-14.07
High	5230	6.74	7.28	10.03	24.00	-13.97

### 9.4.4. 802.11ac VHT80 MODE IN THE 5.2 GHz BAND

#### 2TX CHAIN 0 + CHAIN 1 CDD MODE

<b>Test Engineer:</b>	85502
<b>Test Date:</b>	2024/01/03

#### Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)
Mid	5210	-1.43	24.00

#### Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	6.80	7.34	10.09	24.00	-13.91

### 9.4.5. 802.11ac VHT160 MODE IN THE 5.2 & 5.3 GHz BAND

#### 2TX CHAIN 0 + CHAIN 1 CDD MODE

<b>Test Engineer:</b>	33499/84740
<b>Test Date:</b>	2024/01/03

#### Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)
Mid	5250	-1.43	24.00

#### Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5250	6.32	7.47	9.94	24.00	-14.06

### 9.4.6. 802.11ax HE20 MODE 2TX IN THE 5.2GHz BAND

#### 2TX CDD MODE: 26T

<b>Test Engineer:</b>	85502
<b>Test Date:</b>	2024/02/07

#### Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low (RU0)	5180	-1.43	1.57	24.00	11.00
Mid (RU4)	5200	-1.43	1.57	24.00	11.00
High (RU8)	5240	-1.43	1.57	24.00	11.00

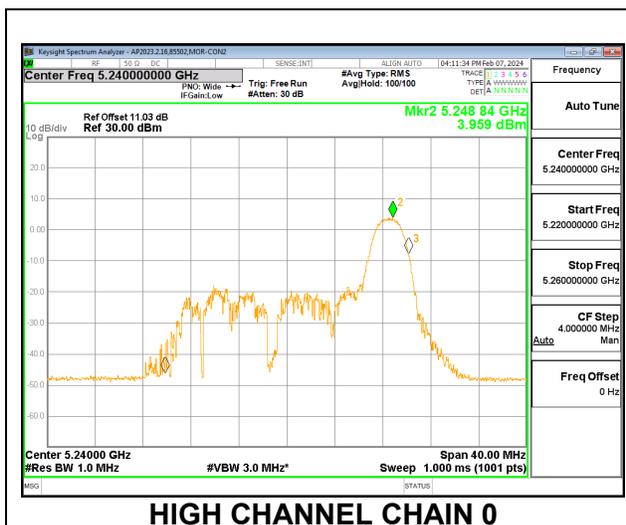
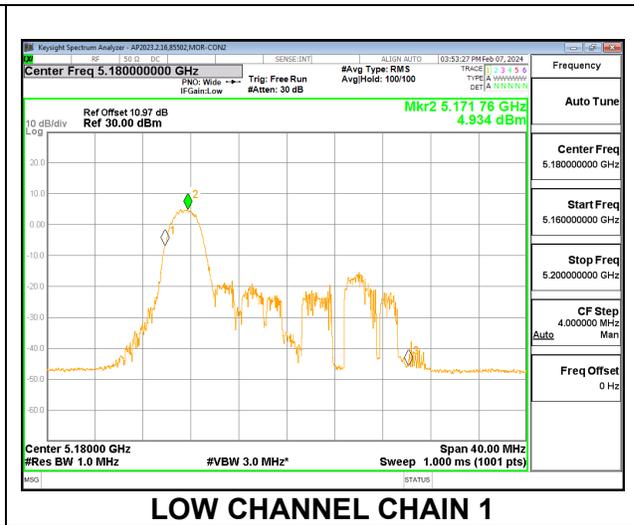
<b>Duty Cycle CF (dB)</b>	0.23	<b>Included in Calculations of Corr'd PSD</b>
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#### Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low (RU0)	5180	6.52	7.23	9.90	24.00	-14.10
Mid (RU4)	5200	6.72	7.25	10.00	24.00	-14.00
High (RU8)	5240	7.24	7.15	10.21	24.00	-13.79

#### PSD Results

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm/1MHz)	Chain 1 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low (RU0)	5180	2.674	4.934	7.190	11.00	-3.81
Mid (RU4)	5200	2.360	3.815	6.388	11.00	-4.61
High (RU8)	5240	3.959	4.963	7.730	11.00	-3.27



**2TX CDD MODE: 52T**

<b>Test Engineer:</b>	85502
<b>Test Date:</b>	2024/01/03

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)
Low (RU37)	5180	-1.43	24.00
Mid (RU38)	5200	-1.43	24.00
High (RU40)	5240	-1.43	24.00

**Output Power Results**

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low (RU37)	5180	6.44	7.14	9.81	24.00	-14.19
Mid (RU38)	5200	6.86	7.30	10.10	24.00	-13.90
High (RU40)	5240	7.13	7.07	10.11	24.00	-13.89

**2TX CDD MODE: 106T**

<b>Test Engineer:</b>	85502
<b>Test Date:</b>	2024/01/03

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)
Low (RU53)	5180	-1.43	24.00
Mid (RU53)	5200	-1.43	24.00
High (RU54)	5240	-1.43	24.00

**Output Power Results**

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low (RU53)	5180	6.35	7.17	9.79	24.00	-14.21
Mid (RU53)	5200	6.85	7.46	10.18	24.00	-13.82
High (RU54)	5240	7.05	7.05	10.06	24.00	-13.94

**2TX CDD MODE: 242T**

<b>Test Engineer:</b>	85502
<b>Test Date:</b>	2024/01/03

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)
Low (RU61)	5180	-1.43	24.00
Mid (RU61)	5200	-1.43	24.00
High (RU61)	5240	-1.43	24.00

**Output Power Results**

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low (RU61)	5180	6.74	7.48	10.14	24.00	-13.86
Mid (RU61)	5200	6.81	7.23	10.04	24.00	-13.96
High (RU61)	5240	6.86	6.86	9.87	24.00	-14.13

**9.4.7. 802.11ax HE40 MODE 2TX IN THE 5.2GHz BAND**

**2TX CDD MODE: 484T**

<b>Test Engineer:</b>	85502
<b>Test Date:</b>	2024/01/03

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)
Low (RU65)	5190	-1.43	24.00
High (RU65)	5230	-1.43	24.00

**Output Power Results**

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low (RU65)	5190	6.95	7.41	10.20	24.00	-13.80
High (RU65)	5230	6.78	7.34	10.08	24.00	-13.92

**9.4.8. 802.11ax HE80 MODE 2TX IN THE 5.2GHz BAND**

**2TX CDD MODE: 996T**

<b>Test Engineer:</b>	85502
<b>Test Date:</b>	2024/01/03

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)
Mid (RU67)	5210	-1.43	24.00

**Output Power Results**

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid (RU67)	5210	6.68	7.29	10.01	24.00	-13.99

**9.4.9. 802.11ax HE160 MODE 2TX IN THE 5.2GHz & 5.3GHz BAND**

**2TX CDD MODE: 2x996T**

<b>Test Engineer:</b>	33499/84740
<b>Test Date:</b>	2024/01/03

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)
Mid (RU68)	5250	179.52	-1.43	24.00

**Output Power Results**

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid (RU68)	5250	6.08	7.23	9.70	24.00	-14.30

**9.4.10. 802.11a MODE IN THE 5.3 GHz BAND**

**2TX CHAIN 0 + CHAIN 1 CDD MODE**

<b>Test Engineer:</b>	84740, 33499/84740
<b>Test Date:</b>	2024/01/03, 2024/02/07

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)
Low	5260	23.76	-1.43	24.00
Mid	5300	23.80	-1.43	24.00
High	5320	23.80	-1.43	24.00

**Output Power Results**

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5260	6.56	7.20	9.90	24.00	-14.10
Mid	5300	6.88	7.49	10.21	24.00	-13.79
High	5320	6.64	7.18	9.93	24.00	-14.07

**9.4.11. 802.11n HT20 MODE IN THE 5.3 GHz BAND**

**2TX CDD MODE**

<b>Test Engineer:</b>	84740, 33499/84740
<b>Test Date:</b>	2024/01/03, 2024/02/07

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)
Low	5260	23.80	-1.43	24.00
Mid	5300	23.80	-1.43	24.00
High	5320	24.04	-1.43	24.00

**Output Power Results**

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5260	6.48	7.24	9.89	24.00	-14.11
Mid	5300	6.59	7.07	9.85	24.00	-14.15
High	5320	6.63	7.21	9.94	24.00	-14.06

**9.4.12. 802.11n HT40 MODE IN THE 5.3 GHz BAND**

**2TX CDD MODE**

<b>Test Engineer:</b>	84740, 33499/84740
<b>Test Date:</b>	2024/01/03, 2024/02/07

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)
Low	5270	46.48	-1.43	24.00
High	5310	46.56	-1.43	24.00

**Output Power Results**

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5270	6.52	6.69	9.62	24.00	-14.38
High	5310	6.78	6.80	9.80	24.00	-14.20

**9.4.13. 802.11ac VHT80 MODE IN THE 5.3 GHz BAND**

**2TX CDD MODE**

<b>Test Engineer:</b>	84740, 33499/84740
<b>Test Date:</b>	2024/01/03, 2024/02/07

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)
Mid	5290	93.76	-1.43	24.00

**Output Power Results**

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5290	7.04	7.33	10.20	24.00	-13.80

**9.4.14. 802.11ax HE20 MODE 2TX IN THE 5.3GHz BAND**

**2TX CDD MODE: 26T**

<b>Test Engineer:</b>	84740, 33499/84740
<b>Test Date:</b>	2024/01/03, 2024/02/07

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low (RU0)	5260	20.32	-1.43	1.57	24.00	11.00
Mid (RU4)	5300	18.44	-1.43	1.57	23.66	11.00
High (RU8)	5320	20.20	-1.43	1.57	24.00	11.00

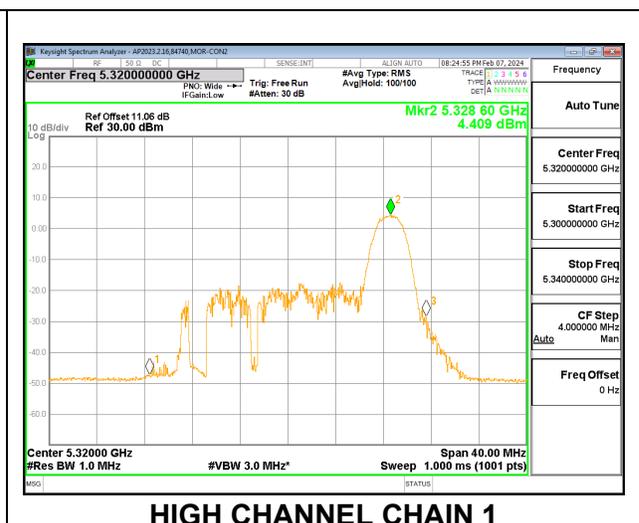
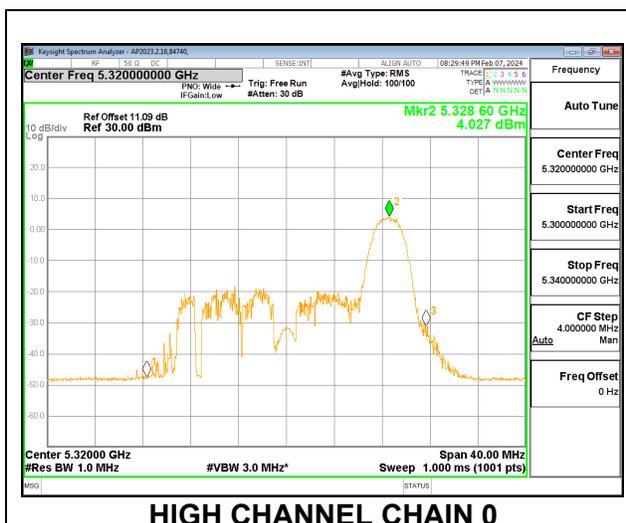
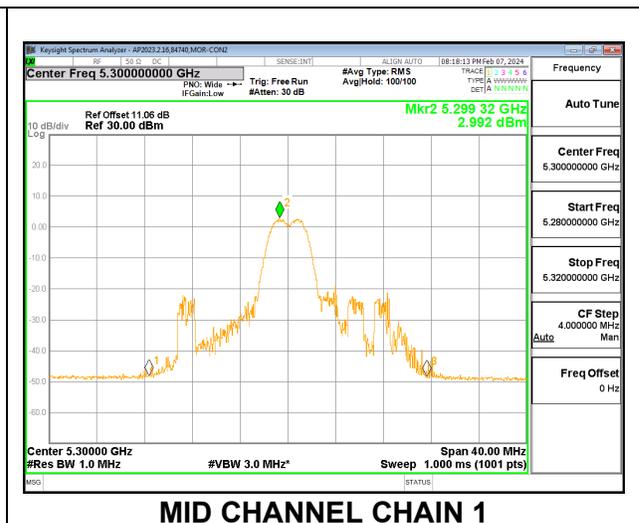
<b>Duty Cycle CF (dB)</b>	0.23	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low (RU0)	5260	6.93	7.36	10.16	24.00	-13.84
Mid (RU4)	5300	6.72	6.74	9.74	23.66	-13.92
High (RU8)	5320	7.13	7.02	10.09	24.00	-13.91

**PSD Results**

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm/1MHz)	Chain 1 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low (RU0)	5260	4.135	5.016	7.838	11.00	-3.16
Mid (RU4)	5300	2.420	2.992	5.956	11.00	-5.04
High (RU8)	5320	4.027	4.409	7.462	11.00	-3.54



**2TX CDD MODE: 52T**

<b>Test Engineer:</b>	33499/84740
<b>Test Date:</b>	2024/01/03

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)
Low (RU37)	5260	20.44	-1.43	24.00
Mid (RU38)	5300	18.80	-1.43	23.74
High (RU40)	5320	20.48	-1.43	24.00

**Output Power Results**

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low (RU37)	5260	6.88	7.29	10.10	24.00	-13.90
Mid (RU38)	5300	6.81	6.80	9.82	23.74	-13.93
High (RU40)	5320	7.19	7.23	10.22	24.00	-13.78

**2TX CDD MODE: 106T**

<b>Test Engineer:</b>	33499/84740
<b>Test Date:</b>	2024/01/03

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)
Low (RU53)	5260	21.80	-1.43	24.00
Mid (RU53)	5300	21.72	-1.43	24.00
High (RU54)	5320	21.04	-1.43	24.00

**Output Power Results**

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low (RU53)	5260	6.82	7.25	10.05	24.00	-13.95
Mid (RU53)	5300	7.00	7.08	10.05	24.00	-13.95
High (RU54)	5320	7.14	7.18	10.17	24.00	-13.83

**2TX CDD MODE: 242T**

<b>Test Engineer:</b>	33499/84740
<b>Test Date:</b>	2024/01/03

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)
Low (RU61)	5260	23.28	-1.43	24.00
Mid (RU61)	5300	23.24	-1.43	24.00
High (RU61)	5320	23.08	-1.43	24.00

**Output Power Results**

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low (RU61)	5260	6.89	6.96	9.94	24.00	-14.06
Mid (RU61)	5300	6.76	6.77	9.78	24.00	-14.22
High (RU61)	5320	6.83	6.90	9.88	24.00	-14.12

**9.4.15. 802.11ax HE40 MODE 2TX IN THE 5.3GHz BAND**

**2TX CHAIN 0 + CHAIN 1 CDD OFDMA MODE: 484T**

<b>Test Engineer:</b>	33499/84740
<b>Test Date:</b>	2024/01/03

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)
Low (RU65)	5270	44.56	-1.43	24.00
High (RU65)	5310	44.48	-1.43	24.00

**Output Power Results**

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low (RU65)	5270	6.50	6.63	9.58	24.00	-14.42
High (RU65)	5310	6.76	6.85	9.82	24.00	-14.18

**9.4.16. 802.11ax HE80 MODE 2TX IN THE 5.3GHz BAND**

**2TX CDD MODE: 996T**

<b>Test Engineer:</b>	33499/84740
<b>Test Date:</b>	2024/01/03

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)
Low	5290	90.72	-1.43	24.00

**Output Power Results**

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5290	6.36	7.14	9.78	24.00	-14.22

**9.4.17. 802.11a MODE IN THE 5.6 GHz BAND**

**2TX CDD MODE**

<b>Test Engineer:</b>	84740, 33499/84740
<b>Test Date:</b>	2024/01/04, 2024/02/07

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)
Low	5500	23.84	-0.78	24.00
Mid	5580	23.08	-0.78	24.00
High	5700	23.40	-0.78	24.00
144	5720	16.52	-0.78	23.18

**Output Power Results**

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5500	6.30	7.01	9.68	24.00	-14.32
Mid	5580	6.46	7.14	9.82	24.00	-14.18
High	5700	6.56	7.22	9.91	24.00	-14.09
144	5720	7.37	6.73	10.07	23.18	-13.11

**9.4.18. 802.11n HT20 MODE IN THE 5.6 GHz BAND**

**2TX CDD MODE**

<b>Test Engineer:</b>	84740, 33499/84740
<b>Test Date:</b>	2024/01/04, 2024/02/07

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)
Low	5500	24.04	-0.78	24.00
Mid	5580	23.84	-0.78	24.00
High	5700	24.04	-0.78	24.00
144	5720	17.20	-0.78	23.36

**Output Power Results**

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5500	6.34	7.06	9.73	24.00	-14.27
Mid	5580	6.52	7.18	9.87	24.00	-14.13
High	5700	6.69	7.18	9.95	24.00	-14.05
144	5720	7.46	6.69	10.10	23.36	-13.25

**9.4.19. 802.11n HT40 MODE IN THE 5.6 GHz BAND**

**2TX CDD MODE**

<b>Test Engineer:</b>	84740, 33499/84740
<b>Test Date:</b>	2024/01/04, 2024/02/07

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)
Low	5510	46.32	-0.78	24.00
Mid	5550	46.64	-0.78	24.00
High	5670	46.16	-0.78	24.00
142	5710	38.36	-0.78	24.00

**Output Power Results**

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5510	6.92	7.48	10.22	24.00	-13.78
Mid	5550	7.00	6.82	9.92	24.00	-14.08
High	5670	7.08	6.94	10.02	24.00	-13.98
142	5710	7.02	6.15	9.62	24.00	-14.38

**9.4.20. 802.11ac VHT80 MODE IN THE 5.6 GHz BAND**

**2TX CDD MODE**

<b>Test Engineer:</b>	84740, 33499/84740
<b>Test Date:</b>	2024/01/04, 2024/02/07

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)
Low	5530	94.24	-0.78	24.00
High	5610	94.72	-0.78	24.00
138	5690	82.36	-0.78	24.00

**Output Power Results**

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	6.76	7.21	10.00	24.00	-14.00
High	5610	6.50	7.12	9.83	24.00	-14.17
138	5690	7.03	6.47	9.77	24.00	-14.23

**9.4.21. 802.11ac VHT160 MODE IN THE 5.6 GHz BAND**

**2TX CDD MODE**

<b>Test Engineer:</b>	84740, 33499/84740
<b>Test Date:</b>	2024/01/04, 2024/02/07

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)
Mid	5570	179.84	-0.78	24.00

**Output Power Results**

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5570	6.46	7.17	9.84	24.00	-14.16

**9.4.22. 802.11ax HE20 MODE 2TX IN THE 5.6GHz BAND**

**2TX CDD MODE: 26T**

<b>Test Engineer:</b>	84740, 33499/84740
<b>Test Date:</b>	2024/01/03, 2024/02/07

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low (RU0)	5500	20.36	-0.78	2.23	24.00	11.00
Mid (RU4)	5580	18.40	-0.78	2.23	23.65	11.00
High (RU8)	5700	20.24	-0.78	2.23	24.00	11.00
144 (RU0)	5720	16.08	-0.78	2.23	23.06	11.00

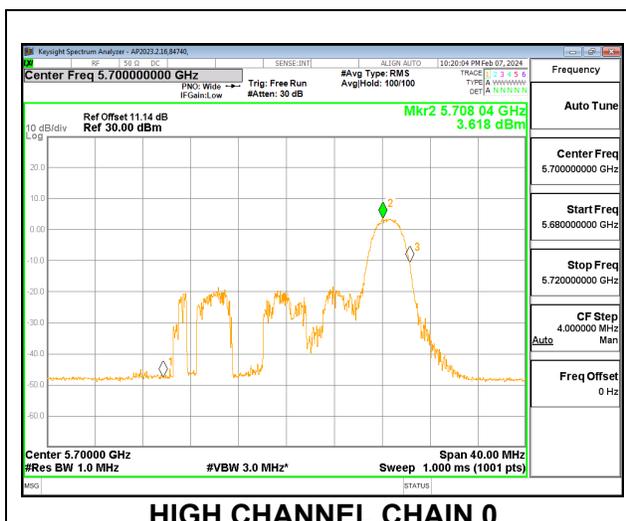
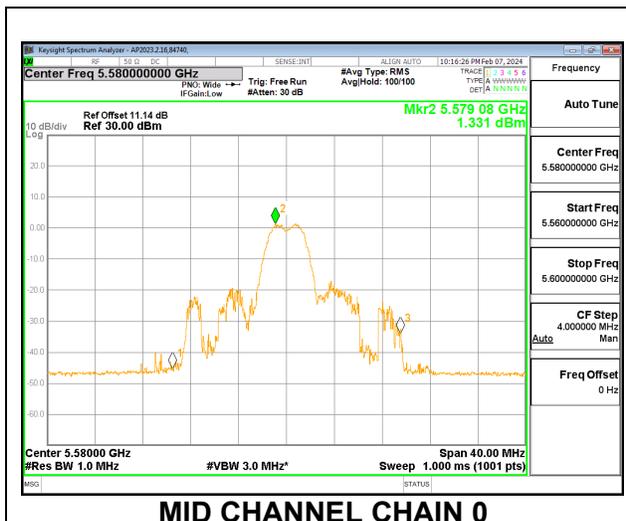
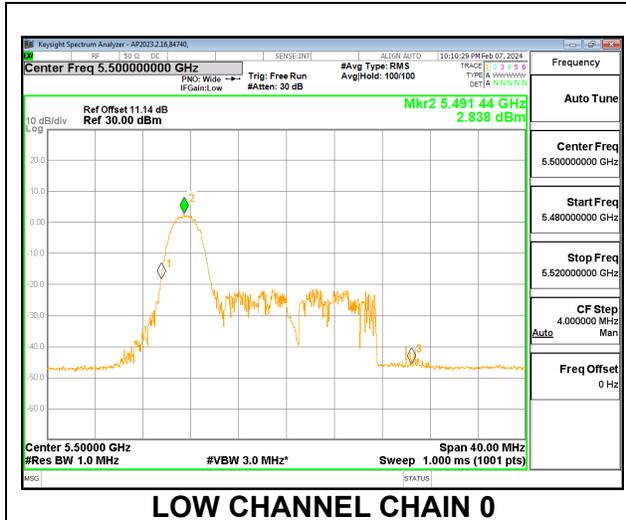
<b>Duty Cycle CF (dB)</b>	0.23	<b>Included in Calculations of Corr'd PSD</b>
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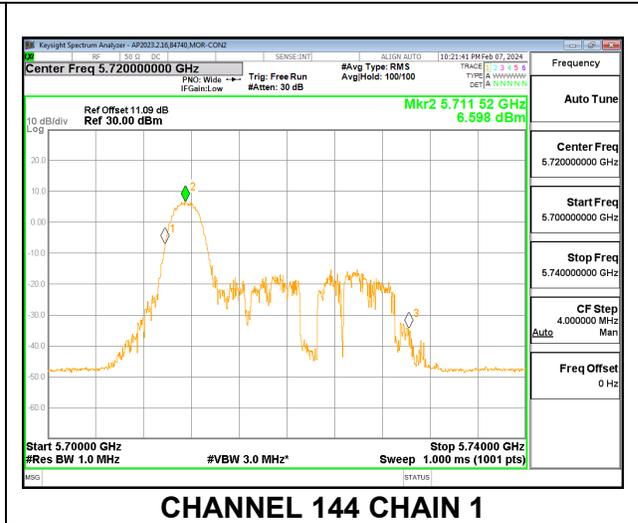
**Output Power Results**

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low (RU0)	5500	6.84	7.32	10.10	24.00	-13.90
Mid (RU4)	5580	6.71	7.03	9.88	23.65	-13.76
High (RU8)	5700	7.20	7.23	10.23	24.00	-13.77
144 (RU0)	5720	7.36	6.98	10.18	23.06	-12.88

**PSD Results**

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm/1MHz)	Chain 1 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low (RU0)	5500	2.838	3.967	6.679	11.00	-4.32
Mid (RU4)	5580	1.331	3.503	5.792	11.00	-5.21
High (RU8)	5700	3.618	5.042	7.628	11.00	-3.37
144 (RU0)	5720	3.742	6.598	8.641	11.00	-2.36





**2TX CDD MODE: 52T**

<b>Test Engineer:</b>	84740, 33499/84740
<b>Test Date:</b>	2024/01/03, 2024/02/07

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)
Low (RU37)	5500	20.56	-0.78	24.00
Mid (RU38)	5580	18.76	-0.78	23.73
High (RU40)	5700	20.56	-0.78	24.00
144 (RU37)	5720	16.04	-0.78	23.05

**Output Power Results**

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low (RU37)	5500	6.80	7.06	9.94	24.00	-14.06
Mid (RU38)	5580	6.78	7.05	9.93	23.73	-13.80
High (RU40)	5700	7.01	7.03	10.03	24.00	-13.97
144 (RU37)	5720	7.07	6.73	9.91	23.05	-13.14

**2TX CDD MODE: 106T**

<b>Test Engineer:</b>	84740, 33499/84740
<b>Test Date:</b>	2024/01/03, 2024/02/07

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)
Low (RU53)	5500	21.76	-0.78	24.00
Mid (RU53)	5580	21.76	-0.78	24.00
High (RU54)	5700	21.20	-0.78	24.00
144 (RU53)	5720	16.48	-0.78	23.17

**Output Power Results**

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low (RU53)	5500	6.76	7.14	9.96	24.00	-14.04
Mid (RU53)	5580	7.00	7.16	10.09	24.00	-13.91
High (RU54)	5700	7.19	7.22	10.22	24.00	-13.78
144 (RU53)	5720	7.12	7.40	10.27	23.17	-12.90

**2TX CDD MODE: 242T**

<b>Test Engineer:</b>	84740, 33499/84740
<b>Test Date:</b>	2024/01/03, 2024/02/07

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)
Low (RU61)	5500	23.24	-0.78	24.00
Mid (RU61)	5580	23.20	-0.78	24.00
High (RU61)	5700	23.04	-0.78	24.00
144 (RU61)	5720	16.40	-0.78	23.15

**Output Power Results**

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low (RU61)	5500	6.52	6.75	9.65	24.00	-14.35
Mid (RU61)	5580	6.51	6.87	9.70	24.00	-14.30
High (RU61)	5700	6.81	6.91	9.87	24.00	-14.13
144 (RU61)	5720	7.14	7.43	10.30	23.15	-12.85

**9.4.23. 802.11ax HE40 MODE 2TX IN THE 5.6GHz BAND**

**2TX CDD MODE: 484T**

<b>Test Engineer:</b>	84740, 33499/84740
<b>Test Date:</b>	2024/01/03, 2024/02/07

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)
Low (RU65)	5510	44.72	-0.78	24.00
Mid (RU65)	5590	44.48	-0.78	24.00
High (RU65)	5670	44.72	-0.78	24.00
142 (RU65)	5710	37.40	-0.78	24.00

**Output Power Results**

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low (RU65)	5510	7.11	7.48	10.31	24.00	-13.69
Mid (RU65)	5590	6.48	6.95	9.73	24.00	-14.27
High (RU65)	5670	7.02	6.81	9.93	24.00	-14.07
142 (RU65)	5710	7.18	7.09	10.15	24.00	-13.85

**9.4.24. 802.11ax HE80 MODE 2TX IN THE 5.6GHz BAND**

**2TX CDD MODE: 996T**

<b>Test Engineer:</b>	84740, 33499/84740
<b>Test Date:</b>	2024/01/03, 2024/02/07

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)
Low (RU67)	5530	91.20	-0.78	24.00
High (RU67)	5610	92.16	-0.78	24.00
138 (RU67)	5690	79.64	-0.78	24.00

**Output Power Results**

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low (RU67)	5530	6.96	7.37	10.18	24.00	-13.82
High (RU67)	5610	6.94	7.42	10.20	24.00	-13.80
138 (RU67)	5690	6.88	7.10	10.00	24.00	-14.00

**9.4.25. 802.11ax HE160 MODE 2TX IN THE 5.6GHz BAND**

**2TX CDD MODE: 2x996T**

<b>Test Engineer:</b>	84740, 33499/84740
<b>Test Date:</b>	2024/01/03, 2024/02/07

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)
Mid (RU68)	5570	180.16	-0.78	24.00

**Output Power Results**

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid (RU68)	5570	6.98	7.35	10.18	24.00	-13.82

**9.4.26. 802.11a MODE IN THE 5.8 GHz BAND**

**2TX CDD MODE**

<b>Test Engineer:</b>	33499/84740
<b>Test Date:</b>	2024/01/04

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Power Limit (dBm)
Low	5745	-0.72	30.00
Mid	5785	-0.72	30.00
High	5825	-0.72	30.00
144	5720	-0.72	30.00

**Output Power Results**

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	6.63	7.23	9.95	30.00	-20.05
Mid	5785	6.41	7.16	9.81	30.00	-20.19
High	5825	6.29	6.82	9.57	30.00	-20.43
144	5720	7.37	6.73	10.07	30.00	-19.93

**9.4.27. 802.11n HT20 MODE IN THE 5.8 GHz BAND**

**2TX CDD MODE**

<b>Test Engineer:</b>	33499/84740
<b>Test Date:</b>	2024/01/04

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Power Limit (dBm)
Low	5745	-0.72	30.00
Mid	5785	-0.72	30.00
High	5825	-0.72	30.00
144	5720	-0.72	30.00

**Output Power Results**

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	6.75	7.31	10.05	30.00	-19.95
Mid	5785	6.56	7.20	9.90	30.00	-20.10
High	5825	6.37	6.90	9.65	30.00	-20.35
144	5720	7.46	6.69	10.10	30.00	-19.90

**9.4.28. 802.11n HT40 MODE IN THE 5.8 GHz BAND**

**2TX CDD MODE**

<b>Test Engineer:</b>	33499/84740
<b>Test Date:</b>	2024/01/04

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Power Limit (dBm)
Low	5755	-0.72	30.00
High	5795	-0.72	30.00
142	5710	-0.72	30.00

**Output Power Results**

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5755	6.67	7.00	9.85	30.00	-20.15
High	5795	6.70	6.83	9.78	30.00	-20.22
142	5710	7.02	6.15	9.62	30.00	-20.38

**9.4.29. 802.11ac VHT80 MODE IN THE 5.8 GHz BAND**

**2TX CDD MODE**

<b>Test Engineer:</b>	33499/84740
<b>Test Date:</b>	2024/01/04

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Power Limit (dBm)
Mid	5755	-0.72	30.00
138	5690	-0.72	30.00

**Output Power Results**

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5755	6.41	7.26	9.87	30.00	-20.13
138	5690	7.03	6.47	9.77	30.00	-20.23

**9.4.30. 802.11ax HE20 MODE 2TX IN THE 5.8GHz BAND**

**2TX CDD MODE: 26T**

<b>Test Engineer:</b>	33499/84740
<b>Test Date:</b>	2024/01/04

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBm)	FCC Power Limit (dBm)	FCC PSD Limit (dBm/ 500KHz)
Low (RU0)	5745	-0.72	2.29	30.00	30.00
Mid (RU4)	5785	-0.72	2.29	30.00	30.00
High (RU8)	5825	-0.72	2.29	30.00	30.00
144 (RU8)	5720	-0.72	2.29	30.00	30.00

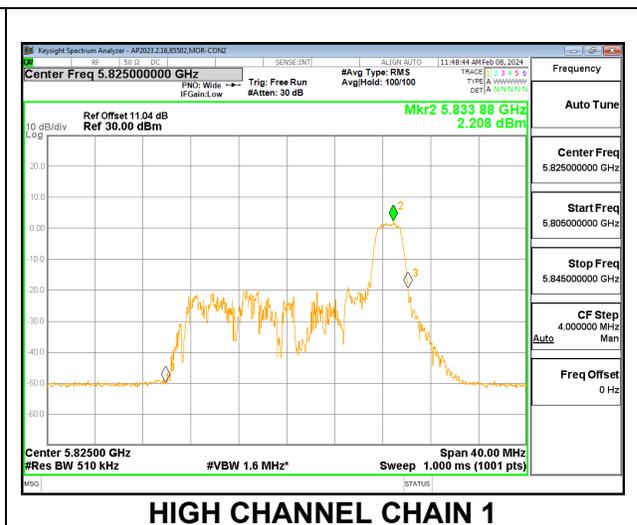
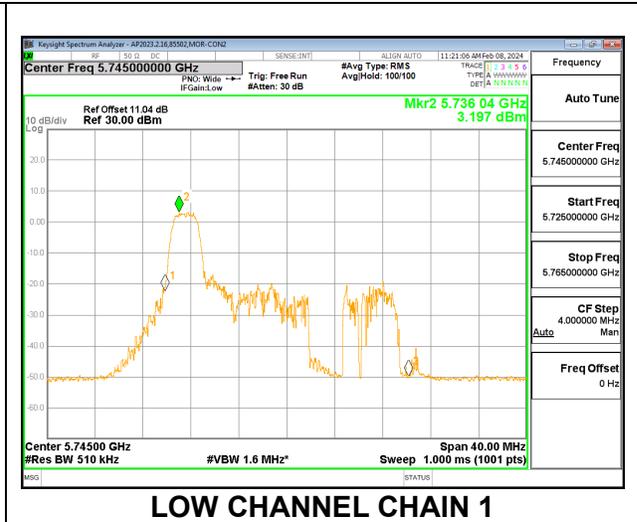
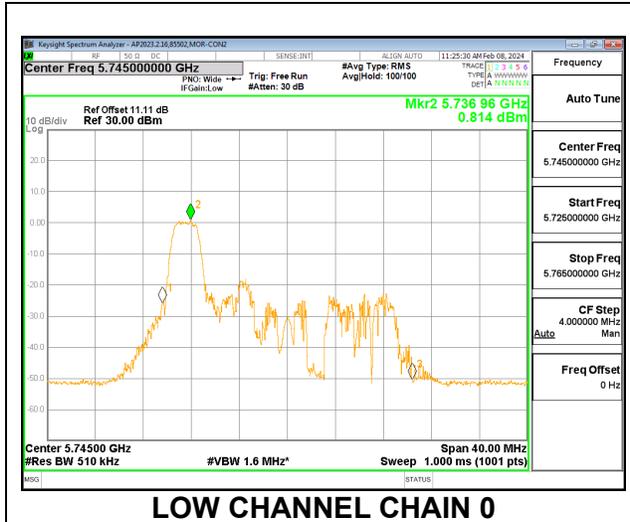
<b>Duty Cycle CF (dB)</b>	0.23	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low (RU0)	5745	7.29	7.47	10.39	30.00	-19.61
Mid (RU4)	5785	6.78	7.03	9.92	30.00	-20.08
High (RU8)	5825	7.06	7.01	10.05	30.00	-19.95
144 (RU8)	5720	7.15	6.34	9.77	30.00	-20.23

**PSD Results**

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm/ 500KHz)	Chain 1 Meas PSD (dBm/ 500KHz)	Total Corr'd PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)	PSD Margin (dB)
Low (RU0)	5745	0.814	3.197	5.407	30.00	-24.59
Mid (RU4)	5785	-0.099	1.464	3.993	30.00	-26.01
High (RU8)	5825	0.014	2.208	4.488	30.00	-25.51
144 (RU8)	5720	0.794	2.885	5.204	30.00	-24.80





**2TX CDD MODE: 52T**

<b>Test Engineer:</b>	33499/84740
<b>Test Date:</b>	2024/01/04

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	FCC Power Limit (dBm)
Low (RU37)	5745	-0.72	30.00
Mid (RU38)	5785	-0.72	30.00
High (RU40)	5825	-0.72	30.00
144 (RU40)	5720	-0.72	30.00

**Output Power Results**

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low (RU37)	5745	6.99	7.03	10.02	30.00	-19.98
Mid (RU38)	5785	6.58	6.93	9.77	30.00	-20.23
High (RU40)	5825	6.76	6.65	9.72	30.00	-20.28
144 (RU40)	5720	7.10	6.85	9.99	30.00	-20.01

**2TX CDD MODE: 106T**

<b>Test Engineer:</b>	33499/84740
<b>Test Date:</b>	2024/01/04

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	FCC Power Limit (dBm)
Low (RU53)	5745	-0.72	30.00
Mid (RU53)	5785	-0.72	30.00
High (RU54)	5825	-0.72	30.00
144 (RU54)	5720	-0.72	30.00

**Output Power Results**

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low (RU53)	5745	6.98	7.13	10.07	30.00	-19.93
Mid (RU53)	5785	6.99	7.12	10.07	30.00	-19.93
High (RU54)	5825	6.74	6.78	9.77	30.00	-20.23
144 (RU54)	5720	6.80	6.81	8.34	30.00	-21.66

**2TX CDD MODE: 242T**

<b>Test Engineer:</b>	33499/84740
<b>Test Date:</b>	2024/01/04

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)
Low (RU61)	5745	-0.72	30.00
Mid (RU61)	5785	-0.72	30.00
High (RU61)	5825	-0.72	30.00
144 (RU61)	5720	-0.72	30.00

**Output Power Results**

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low (RU61)	5745	6.75	6.90	9.84	30.00	-20.16
Mid (RU61)	5785	6.70	7.00	9.86	30.00	-20.14
High (RU61)	5825	7.01	7.47	10.26	30.00	-19.74
144 (RU61)	5720	7.14	7.43	10.30	30.00	-19.70

**9.4.31. 802.11ax HE40 MODE 2TX IN THE 5.8GHz BAND**

**2TX CDD MODE: 484T**

<b>Test Engineer:</b>	33499/84740
<b>Test Date:</b>	2024/01/04

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)
Low (RU65)	5755	-0.72	24.00
High (RU65)	5795	-0.72	24.00
142 (RU65)	5710	-0.72	24.00

**Output Power Results**

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low (RU65)	5755	6.72	6.90	9.82	24.00	-14.18
High (RU65)	5795	6.69	6.80	9.76	24.00	-14.24
142 (RU65)	5710	7.18	7.09	10.15	24.00	-13.85

**9.4.32. 802.11ax HE80 MODE 2TX IN THE 5.8GHz BAND**

**2TX CDD MODE: 996T**

<b>Test Engineer:</b>	33499/84740
<b>Test Date:</b>	2024/01/04

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)
Mid (RU67)	5775	-0.72	24.00
138 (RU67)	5690	-0.72	24.00

**Output Power Results**

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid (RU67)	5775	6.51	7.49	10.04	24.00	-13.96
138 (RU67)	5690	6.88	7.10	10.00	24.00	-14.00

## 10. RADIATED TEST RESULTS LIMITS

FCC §15.205 and §15.209 -Restricted bands  
FCC §15.407(b)(1-3) -Un-Restricted bands

### After January 01, 2019 for Outside of the Restricted Bands Emissions

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

### 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. Voltage averaging was the detector used for average measurements.

The spectrum from 9kHz to 1GHz and 18GHz to 40 GHz is investigated with the transmitter set to transmit at the channel with highest power spectral density as worst-case scenario. 1GHz to 18GHz was set to the lowest, middle, and highest channels in the 5 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.

3D antenna use - For below 30MHz testing, investigation was done on three antenna orientations (parallel, perpendicular, and ground-parallel).

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Base on FCC 15.31 (f) (2): measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field.

**KDB 414788 Open Field Site (OFS) and Chamber Correlation Justification**

OFS and chamber correlation testing had been performed and chamber measured test result is the worst-case test result.

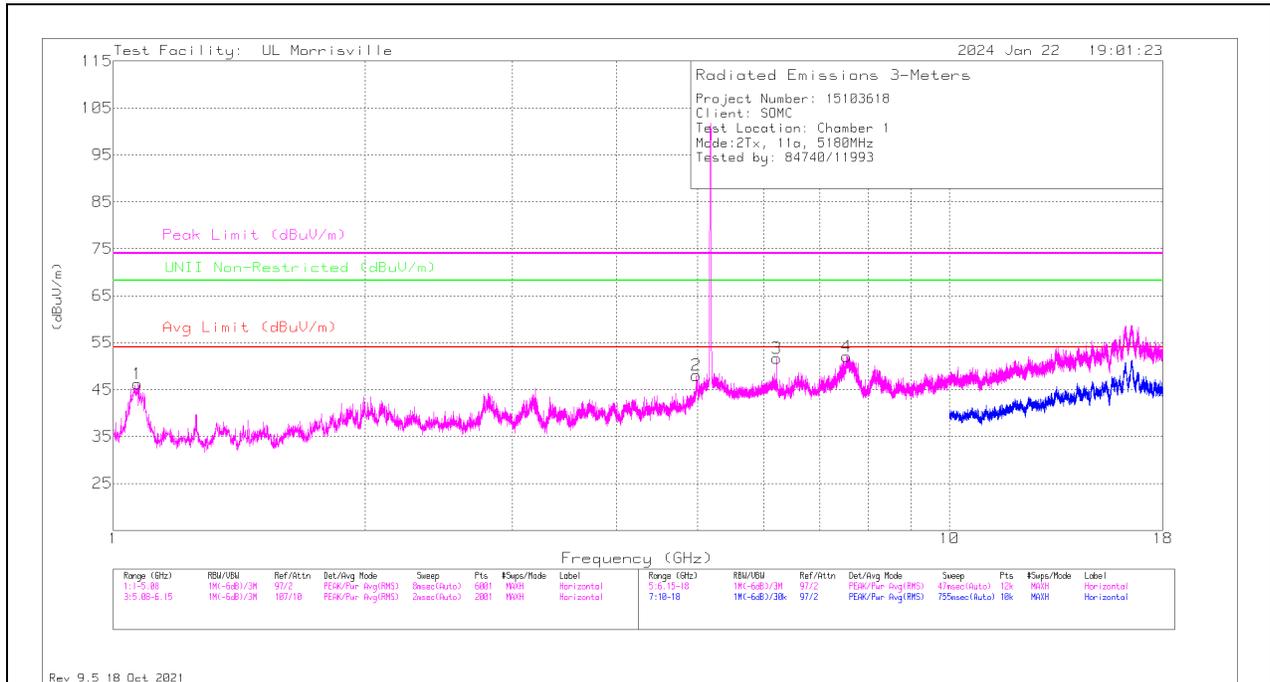
## 10.1. TRANSMITTER ABOVE 1 GHz

### 10.1.1. TX ABOVE 1 GHz 802.11a MODE IN THE 5.2 GHz BAND

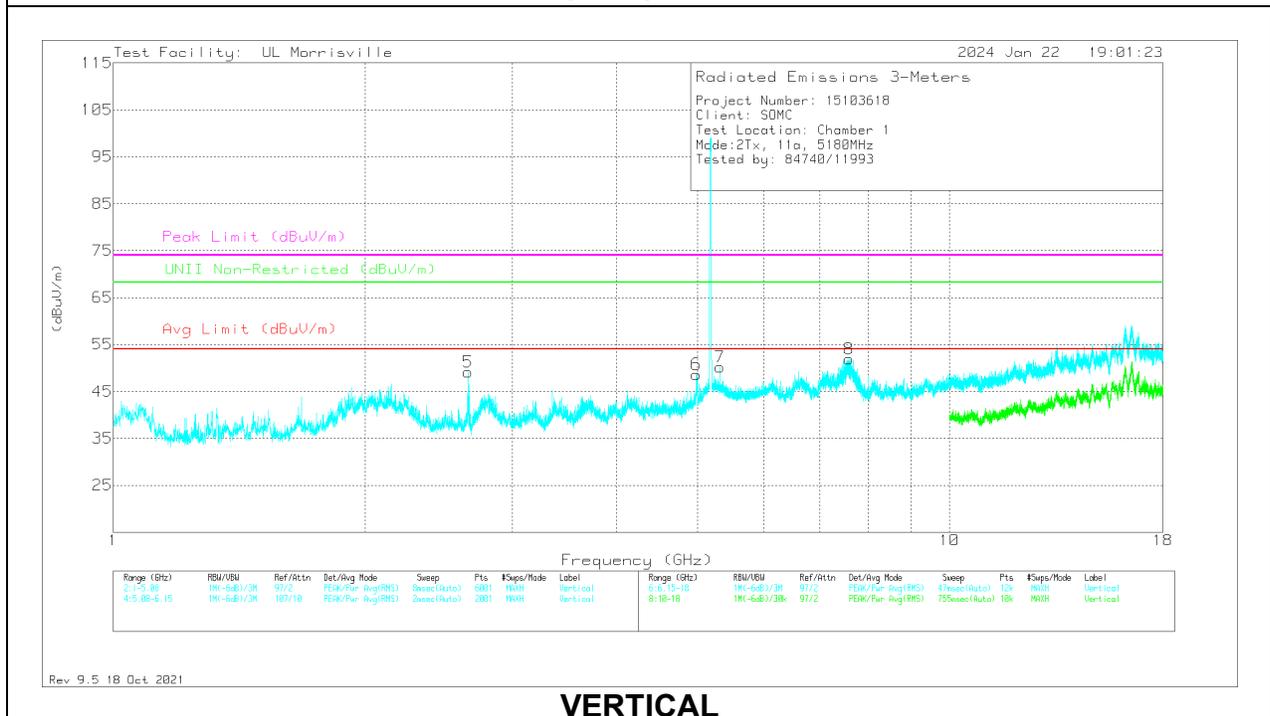
#### 2TX CDD MODE

#### HARMONICS AND SPURIOUS EMISSIONS

#### LOW 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)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 1.06868	53.75	Pk	27.4	-35	46.15	54	-7.85	74	-27.85	-	-	0-360	100	H
2	* ** 4.98147	46.99	PK-U	34.1	-29.1	51.99	-	-	74	-22.01	-	-	172	161	H
	* ** 4.98212	31.55	ADV	34.1	-29.1	36.55	54	-17.45	-	-	-	-	172	161	H
5	* ** 2.6595	60.1	PK-U	32	-33.7	58.4	-	-	74	-15.6	-	-	252	214	V
	* ** 2.65861	31.58	ADV	32	-33.6	29.98	54	-24.02	-	-	-	-	252	214	V
6	* ** 4.98011	45.28	PK-U	34.1	-29	50.38	-	-	74	-23.62	-	-	310	208	V
	* ** 4.97722	30.83	ADV	34.1	-28.9	36.03	54	-17.97	-	-	-	-	310	208	V
4	* ** 7.52922	47.06	PK-U	35.6	-26.7	55.96	-	-	74	-18.04	-	-	164	127	H
	* ** 7.53036	35.06	ADV	35.6	-26.6	44.06	54	-9.94	-	-	-	-	164	127	H
8	* ** 7.58505	47.31	PK-U	35.7	-27.1	55.91	-	-	74	-18.09	-	-	298	101	V
	* ** 7.58423	34.85	ADV	35.7	-27.1	43.45	54	-10.55	-	-	-	-	298	101	V
7	5.31487	38.46	Pk	34.5	-22.8	50.16	-	-	-	-	68.2	-18.04	0-360	101	V
3	6.21518	44.74	Pk	35.4	-28.5	51.64	-	-	-	-	68.2	-16.56	0-360	101	H

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

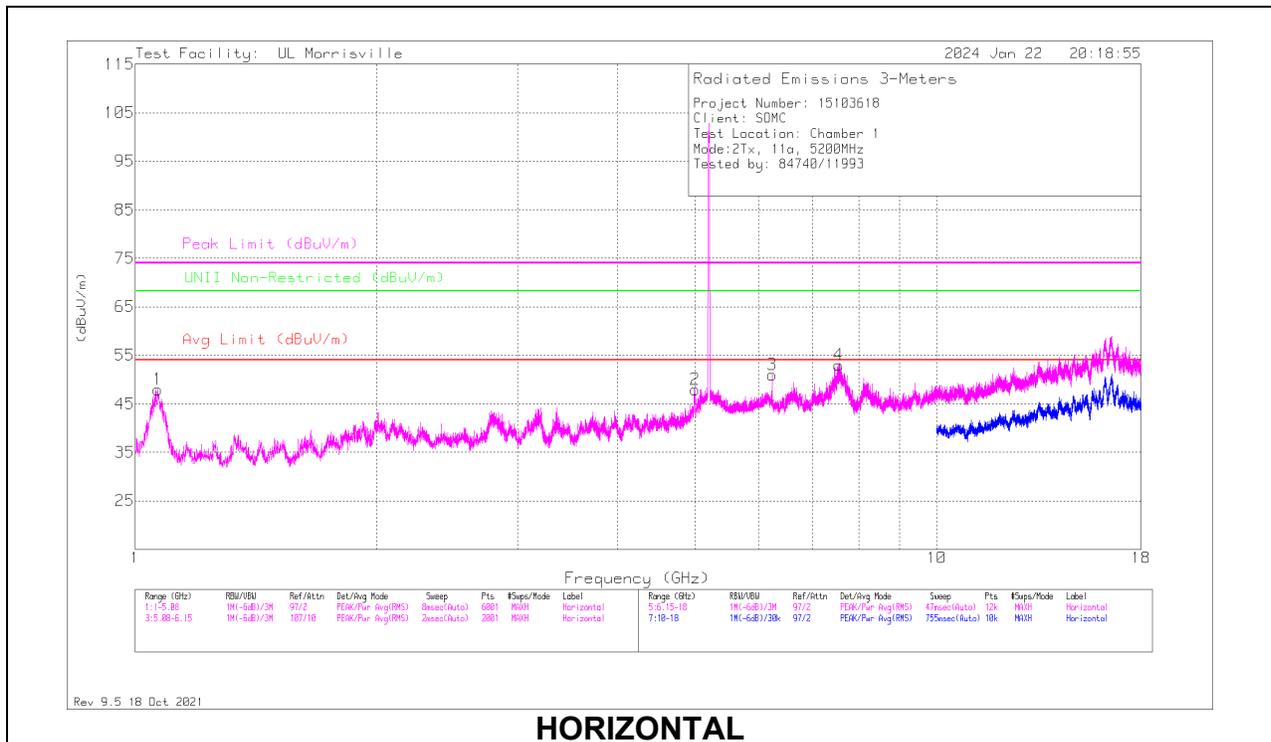
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

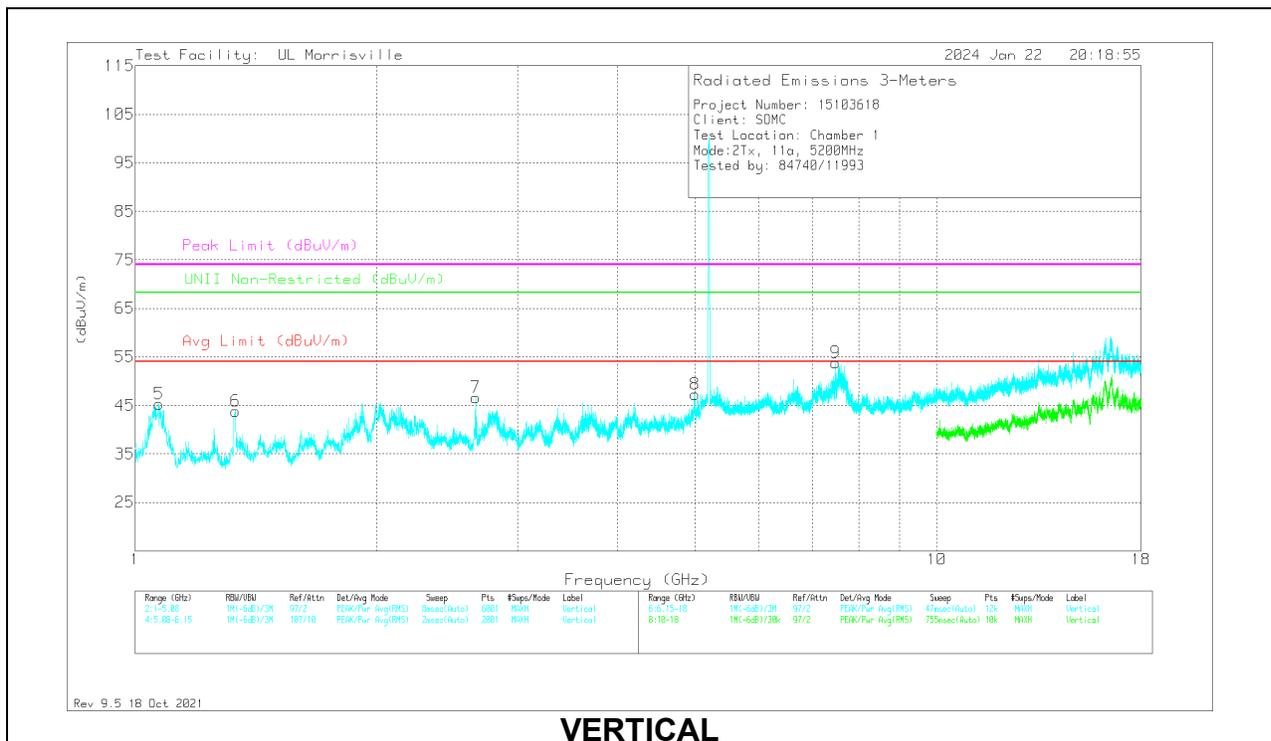
PK-U - Maximum Peak

ADV - Linear Voltage Average

### 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)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 1.06664	55.57	Pk	27.3	-35	47.87	54	-6.13	74	-26.13	-	-	0-360	101	H
2	* ** 4.99704	43.42	Pk	34.1	-29.6	47.92	54	-6.08	74	-26.08	-	-	0-360	199	H
5	* ** 1.07004	52.83	Pk	27.4	-35	45.23	54	-8.77	74	-28.77	-	-	0-360	200	V
6	* ** 1.3332	49.61	Pk	28.9	-34.7	43.81	54	-10.19	74	-30.19	-	-	0-360	200	V
7	* ** 2.65988	48.34	Pk	32	-33.7	46.64	54	-7.36	74	-27.36	-	-	0-360	101	V
8	* ** 5.00044	42.62	Pk	34.1	-29.5	47.22	54	-6.78	74	-26.78	-	-	0-360	101	V
4	* ** 7.54783	47.82	PK-U	35.6	-26.6	56.82	-	-	74	-17.18	-	-	163	127	H
	* ** 7.54784	35.42	ADV	35.6	-26.6	44.42	54	-9.58	-	-	-	-	163	127	H
9	* ** 7.48065	47.95	PK-U	35.6	-26.7	56.85	-	-	74	-17.15	-	-	297	101	V
	* ** 7.48074	33.07	ADV	35.6	-26.7	41.97	54	-12.03	-	-	-	-	297	101	V
3	6.23986	44.5	Pk	35.4	-28.9	51	-	-	-	-	68.2	-17.2	0-360	101	H

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

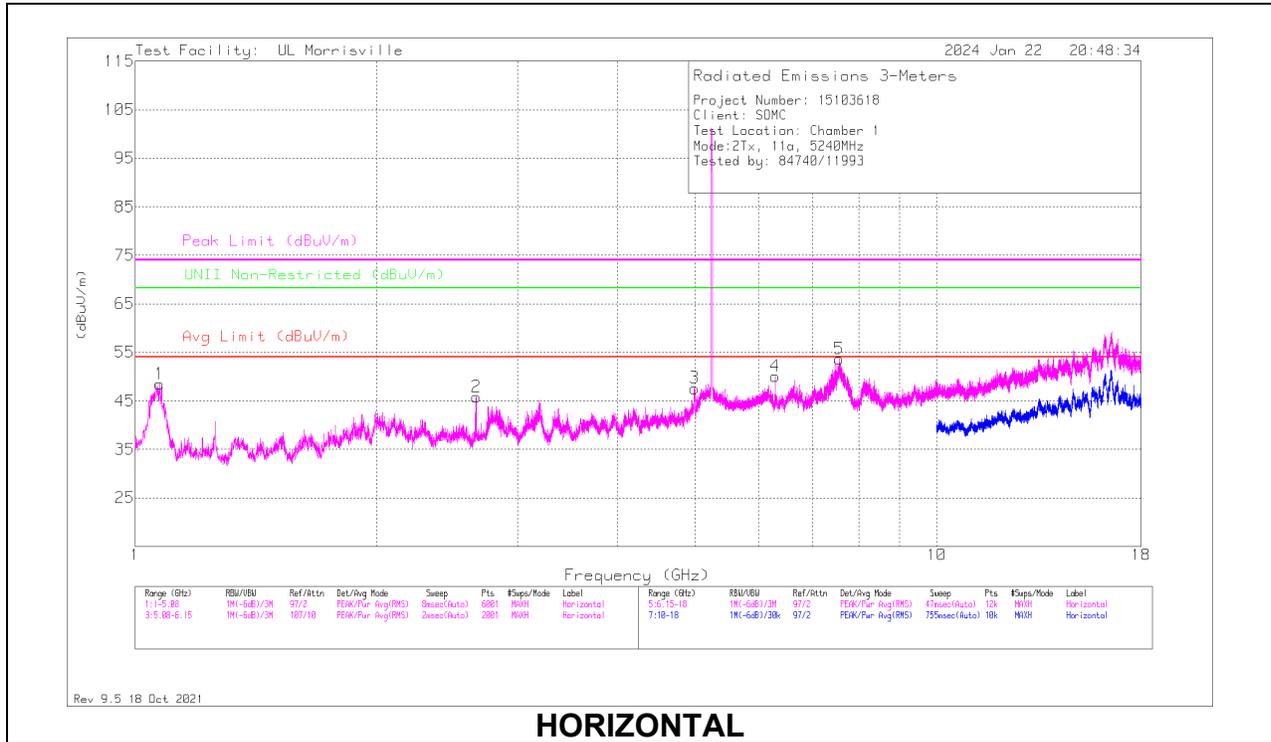
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

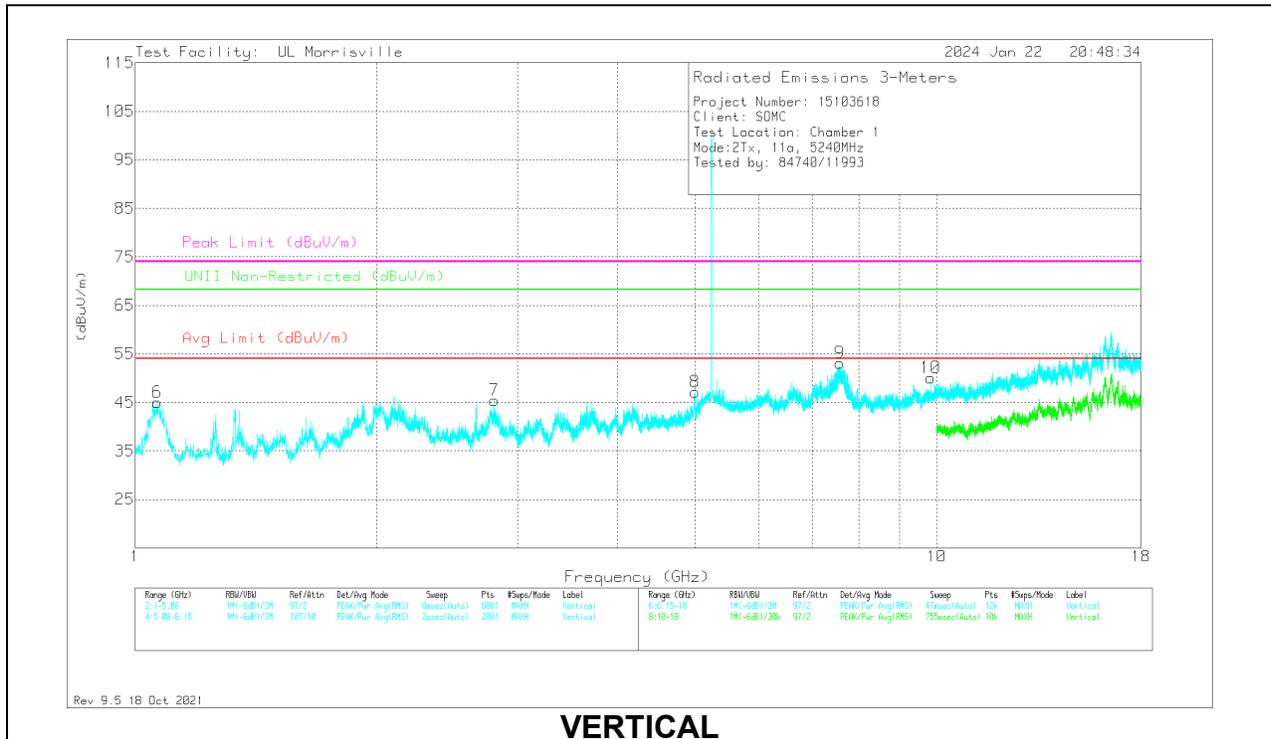
PK-U - Maximum Peak

ADV - Linear Voltage Average

### HIGH 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)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 1.07155	60.18	PK-U	27.4	-35	52.58	-	-	74	-21.42	-	-	225	104	H
	*** 1.0751	32.01	ADV	27.4	-34.9	24.51	54	-29.49	-	-	-	-	225	104	H
2	*** 2.66464	47.6	Pk	32	-33.8	45.8	54	-8.2	74	-28.2	-	-	0-360	101	H
3	*** 4.99092	42.9	Pk	34.1	-29.4	47.6	54	-6.4	74	-26.4	-	-	0-360	200	H
6	*** 1.06596	52.73	Pk	27.3	-35	45.03	54	-8.97	74	-28.97	-	-	0-360	200	V
7	*** 2.80744	46.55	Pk	32.3	-33.5	45.35	54	-8.65	74	-28.65	-	-	0-360	200	V
8	*** 4.99636	42.58	Pk	34.1	-29.6	47.08	54	-6.92	74	-26.92	-	-	0-360	101	V
5	*** 7.56685	48.11	PK-U	35.7	-26.7	57.11	-	-	74	-16.89	-	-	168	104	H
	*** 7.56765	35.82	ADV	35.7	-26.7	44.82	54	-9.18	-	-	-	-	168	104	H
9	*** 7.57181	48.02	PK-U	35.7	-26.6	57.12	-	-	74	-16.88	-	-	297	101	V
	*** 7.57379	35.65	ADV	35.7	-26.6	44.75	54	-9.25	-	-	-	-	297	101	V
4	6.28726	43.81	Pk	35.4	-29.2	50.01	-	-	-	-	68.2	-18.19	0-360	101	H
10	9.83831	38.09	Pk	37.1	-25.1	50.09	-	-	-	-	68.2	-18.11	0-360	101	V

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

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

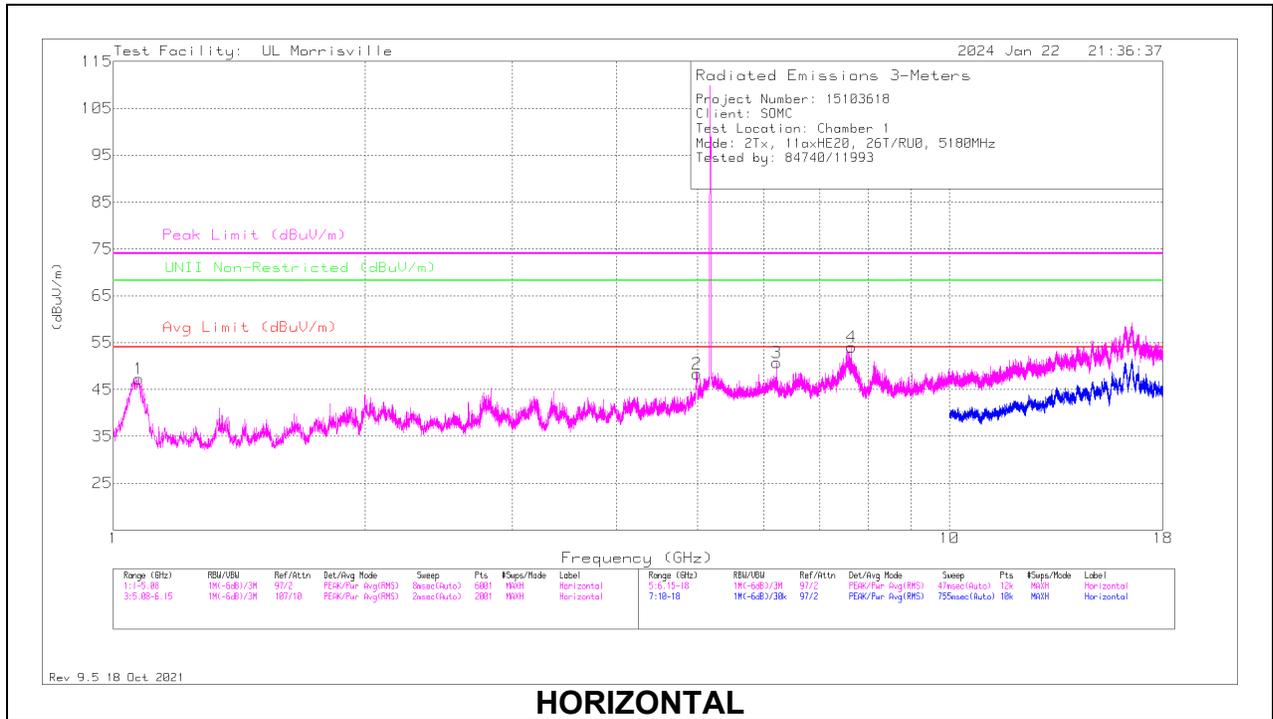
Pk - Peak detector

PK-U - U-NII: Maximum Peak

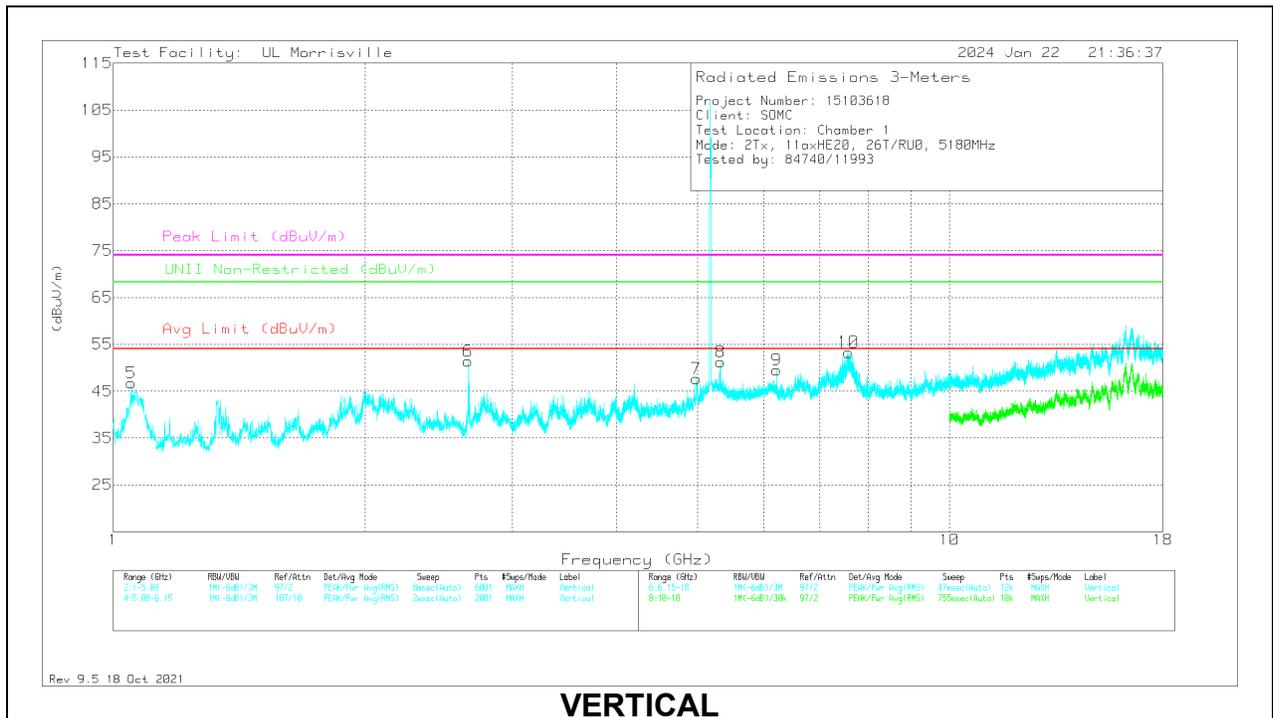
ADV - Linear Voltage Average

**10.1.2. TX ABOVE 1 GHz 802.11ax HE20 MODE IN THE 5.2GHZ BAND**  
**2TX CDD MODE: 26T**  
**HARMONICS AND SPURIOUS EMISSIONS**

**LOW CHANNEL RESULTS**



**HORIZONTAL**



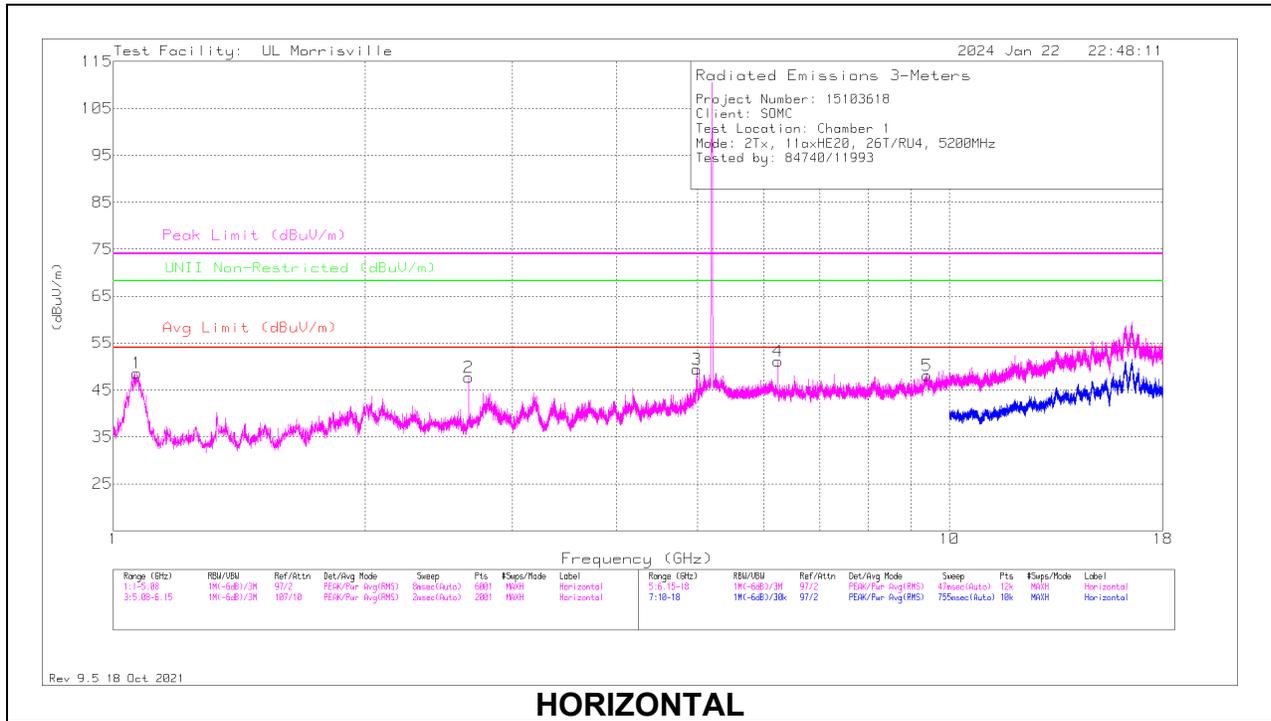
**VERTICAL**

**RADIATED EMISSIONS**

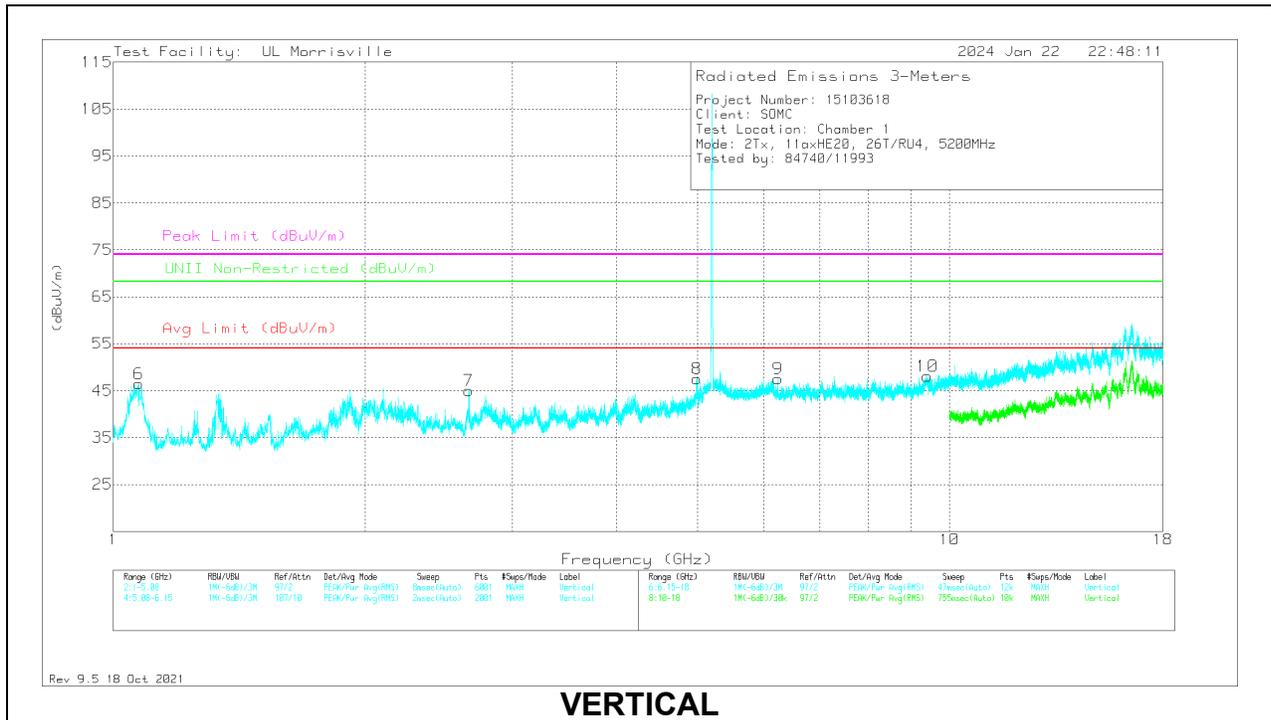
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 1.07276	54.8	Pk	27.4	-34.9	0	47.3	54	-6.7	74	-26.7	-	-	0-360	101	H
2	*** 4.99091	47.72	PK-U	34.1	-29.4	0	52.42	-	-	74	-21.58	-	-	160	274	H
	*** 4.99345	32.55	ADV	34.1	-29.5	0.47	37.62	54	-16.38	-	-	-	-	160	274	H
5	*** 1.051	54.57	Pk	27.3	-35.1	0	46.77	54	-7.23	74	-27.23	-	-	0-360	200	V
6	*** 2.65901	60.87	PK-U	32	-33.7	0	59.17	-	-	74	-14.83	-	-	247	106	V
	*** 2.65599	32.15	ADV	32	-33.6	0.47	31.02	54	-22.98	-	-	-	-	247	106	V
7	*** 4.98072	42.66	Pk	34.1	-29.1	0	47.66	54	-6.34	74	-26.34	-	-	0-360	101	V
4	*** 7.64288	38.64	PK-U	35.8	-27.2	0	47.24	-	-	74	-26.76	-	-	74	228	H
	*** 7.64339	26.1	ADV	35.8	-27.2	0.47	35.17	54	-18.83	-	-	-	-	74	228	H
10	*** 7.56808	39.46	PK-U	35.7	-26.7	0	48.46	-	-	74	-25.54	-	-	334	273	V
	*** 7.56726	26.69	ADV	35.7	-26.7	0.47	36.16	54	-17.84	-	-	-	-	334	273	V
8	5.32182	39.2	Pk	34.5	-22.5	0	51.2	-	-	-	-	68.2	-17	0-360	101	V
3	6.21518	43.86	Pk	35.4	-28.5	0	50.76	-	-	-	-	68.2	-17.44	0-360	101	H
9	6.21616	42.76	Pk	35.4	-28.6	0	49.56	-	-	-	-	68.2	-18.64	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  
 ADV - Linear Voltage Average

### MID 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)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 1.06645	44.74	PK-U	27.3	-35	0	37.04	-	-	74	-36.96	-	-	248	243	H
	* ** 1.06668	32.32	ADV	27.3	-35	0.47	25.09	54	-28.91	-	-	-	-	248	243	H
2	* ** 2.6626	49.51	Pk	32	-33.8	0	47.71	54	-6.29	74	-26.29	-	-	0-360	101	H
3	* ** 4.98869	43.09	PK-U	34.1	-29.4	0	47.79	-	-	74	-26.21	-	-	167	227	H
	* ** 4.98646	30.28	ADV	34.1	-29.3	0.47	35.55	54	-18.45	-	-	-	-	167	227	H
6	* ** 1.07276	54.01	Pk	27.4	-34.9	0	46.51	54	-7.49	74	-27.49	-	-	0-360	200	V
7	* ** 2.66328	46.85	Pk	32	-33.8	0	45.05	54	-8.95	74	-28.95	-	-	0-360	101	V
8	* ** 4.98548	42.69	Pk	34.1	-29.3	0	47.49	54	-6.51	74	-26.51	-	-	0-360	200	V
5	* ** 9.39672	38.85	PK-U	36.4	-25.9	0	49.35	-	-	74	-24.65	-	-	165	222	H
	* ** 9.39844	26.83	ADV	36.4	-25.8	0.47	37.90	54	-16.10	-	-	-	-	165	222	H
10	* ** 9.41019	38.95	PK-U	36.4	-25.5	0	49.85	-	-	74	-24.15	-	-	132	327	V
	* ** 9.41122	26.44	ADV	36.4	-25.6	0.47	37.71	54	-16.29	-	-	-	-	132	327	V
4	6.23986	44.67	Pk	35.4	-28.9	0	51.17	-	-	-	-	68.2	-17.03	0-360	101	H
9	6.23986	41.06	Pk	35.4	-28.9	0	47.56	-	-	-	-	68.2	-20.64	0-360	101	V

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

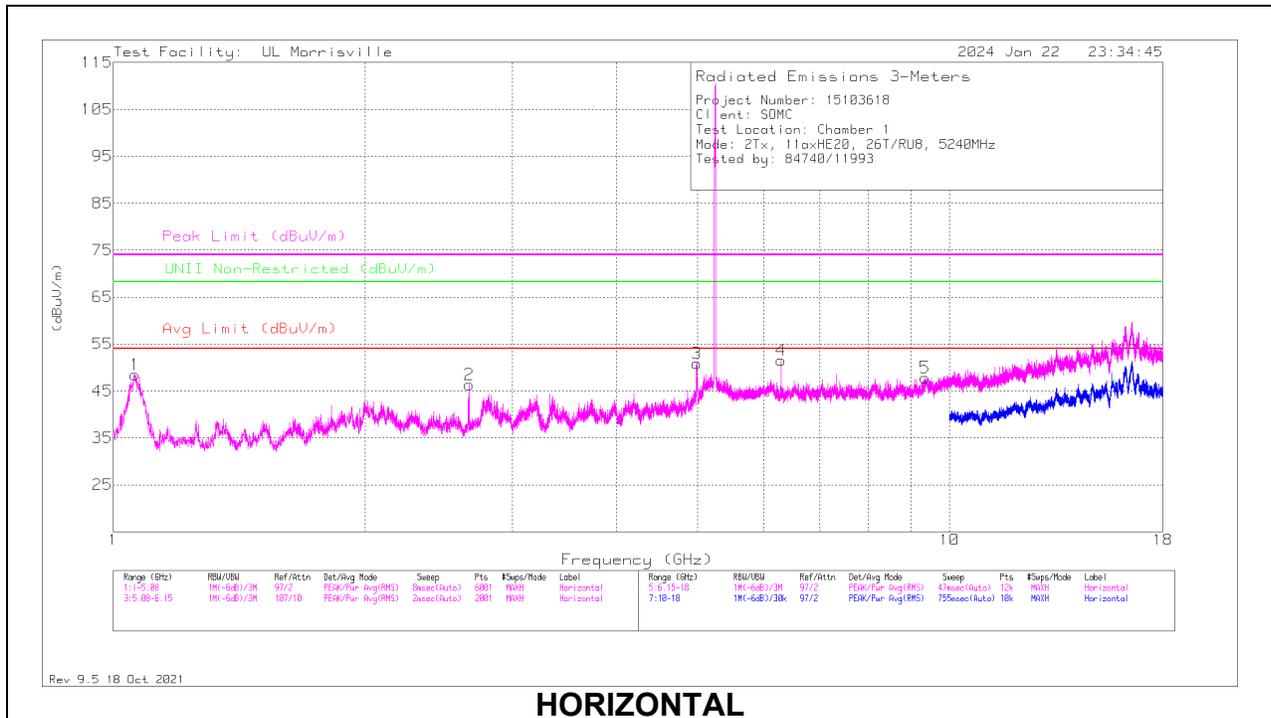
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

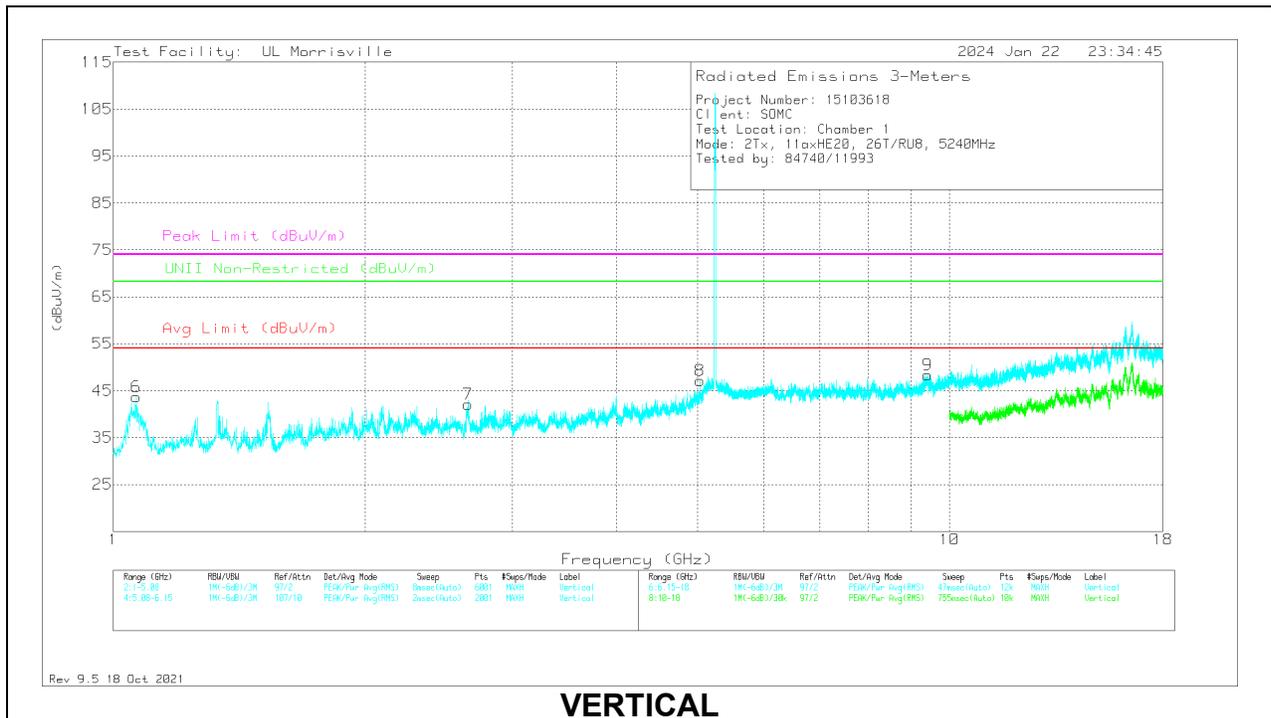
PK-U - Maximum Peak

ADV - Linear Voltage Average

### 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)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 1.06163	45.42	PK-U	27.3	-35	0	37.72	-	-	74	-36.28	-	-	102	242	H
	* ** 1.06094	32.34	ADV	27.3	-35.1	0.47	25.01	54	-28.99	-	-	-	-	102	242	H
2	* ** 2.66396	48.09	Pk	32	-33.8	0	46.29	54	-7.71	74	-27.71	-	-	0-360	200	H
3	* ** 4.98364	41.11	PK-U	34.1	-29.2	0	46.01	-	-	74	-27.99	-	-	171	296	H
	* ** 4.98392	29.19	ADV	34.1	-29.2	0.47	34.56	54	-19.44	-	-	-	-	171	296	H
6	* ** 1.0646	51.34	Pk	27.3	-35	0	43.64	54	-10.36	74	-30.36	-	-	0-360	200	V
7	* ** 2.65512	43.53	Pk	32	-33.5	0	42.03	54	-11.97	74	-31.97	-	-	0-360	101	V
8	* ** 5.03512	41.99	Pk	34.1	-29	0	47.09	54	-6.91	74	-26.91	-	-	0-360	200	V
5	* ** 9.35641	37.26	Pk	36.3	-25.7	0	47.86	54	-6.14	74	-26.14	-	-	0-360	200	H
9	* ** 9.41785	38.86	PK-U	36.4	-25.6	0	49.66	-	-	74	-24.34	-	-	175	188	V
	* ** 9.41591	26.39	ADV	36.4	-25.6	0.47	37.66	54	-16.34	-	-	-	-	175	188	V
4	6.28726	45.35	Pk	35.4	-29.2	0	51.55	-	-	-	-	68.2	-16.65	0-360	101	H

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

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

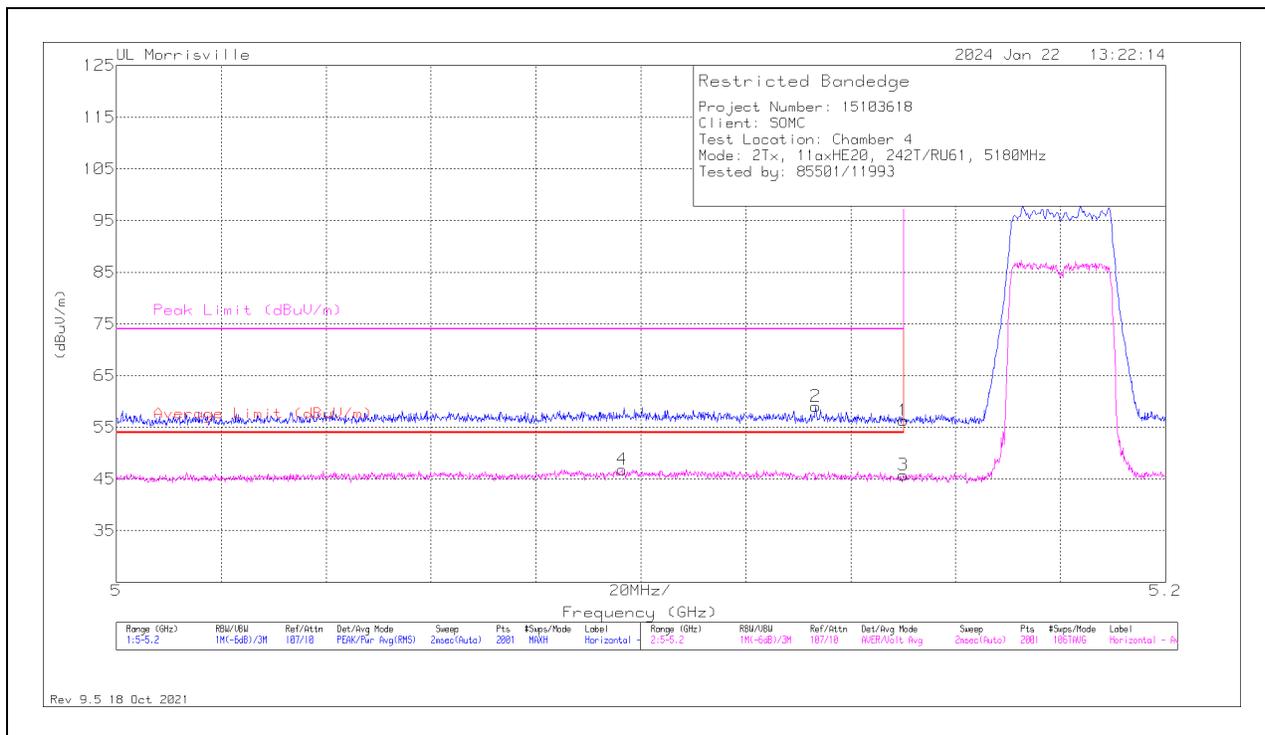
Pk - Peak detector

PK-U - Maximum Peak

ADV - Linear Voltage Average

**2TX CDD MODE: 242T  
 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	* ** 5.15	31.64	PK	34.2	-9.5	0	56.34	-	-	74	-17.66	318	161	H
2	* ** 5.1333	34.24	PK	34.2	-9.4	0	59.04	-	-	74	-14.96	318	161	H
3	* ** 5.15	20.49	ADV	34.2	-9.5	.51	45.70	54	-8.30	-	-	318	161	H
4	* ** 5.0964	21.56	ADV	34.1	-9.4	.51	46.77	54	-7.23	-	-	318	161	H

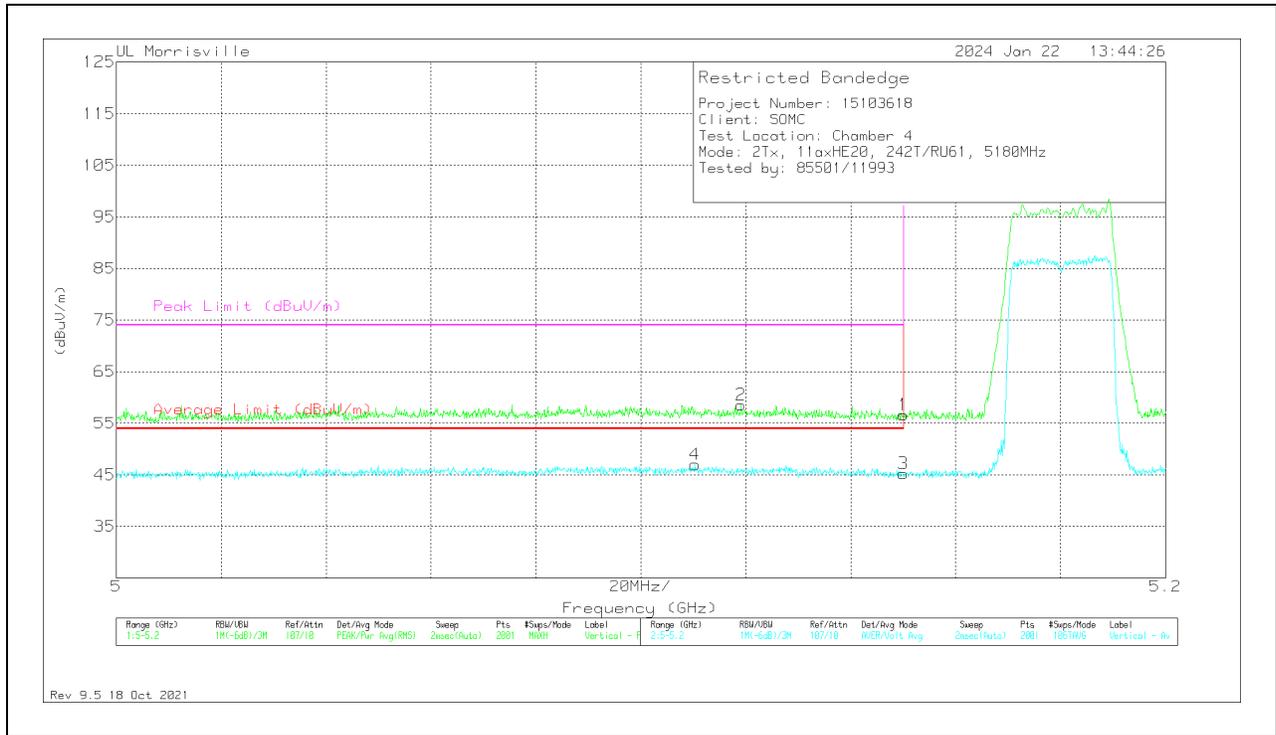
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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

PK - Peak detector

ADV - Linear Voltage Average

**VERTICAL RESULT**

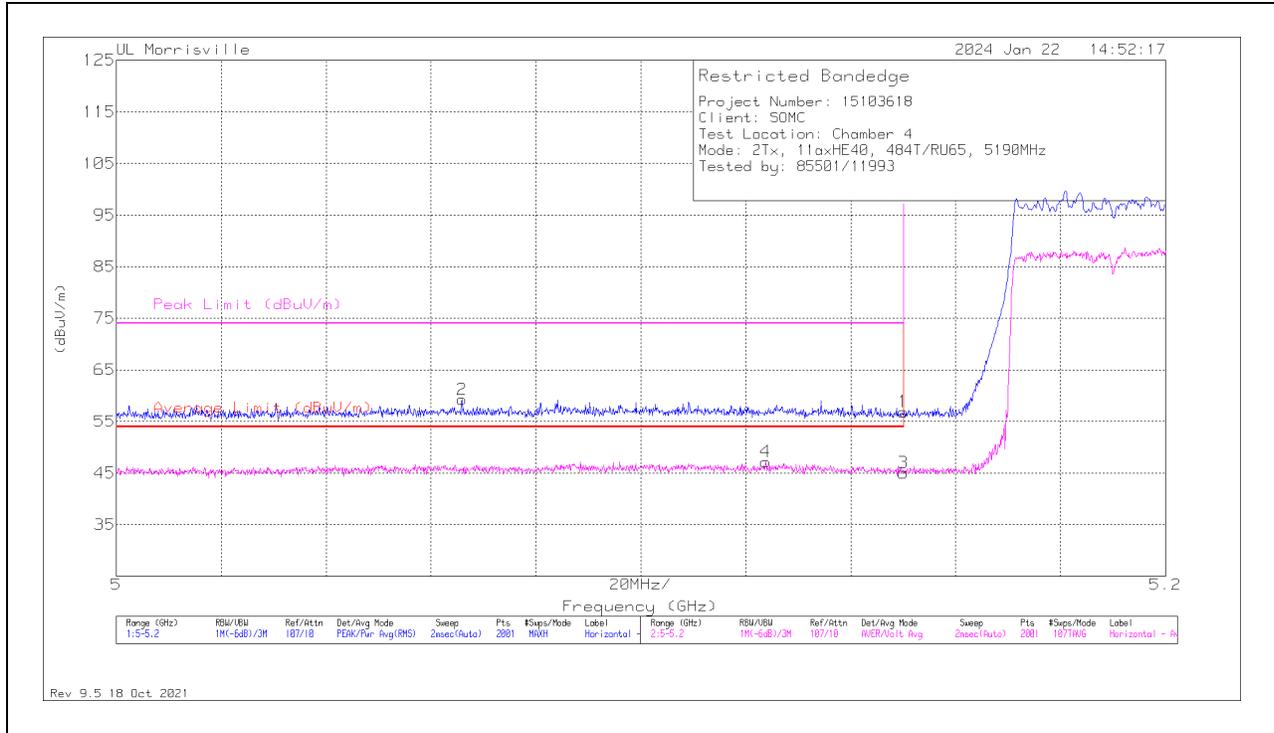


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 5.15	31.89	Pk	34.2	-9.5	0	56.59	-	-	74	-17.41	281	124	V
2	*** 5.1191	33.83	Pk	34.1	-9.4	0	58.53	-	-	74	-15.47	281	124	V
3	*** 5.15	19.96	ADV	34.2	-9.5	.51	45.17	54	-8.83	-	-	281	124	V
4	*** 5.1103	21.64	ADV	34.1	-9.3	.51	46.95	54	-7.05	-	-	281	124	V

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

**10.1.3. TX ABOVE 1 GHz 802.11ax HE40 MODE IN THE 5.2GHz BAND**  
**2TX CDD MODE: 484T**  
**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	*** 5.15	32.15	Pk	34.2	-9.5	0	56.85	-	-	74	-17.15	276	112	H
2	*** 5.0659	34.64	Pk	34.1	-9.5	0	59.24	-	-	74	-14.76	276	112	H
3	*** 5.15	19.7	ADV	34.2	-9.5	0.59	44.99	54	-9.01	-	-	276	112	H
4	*** 5.1238	21.75	ADV	34.1	-9.3	0.59	47.14	54	-6.86	-	-	276	112	H

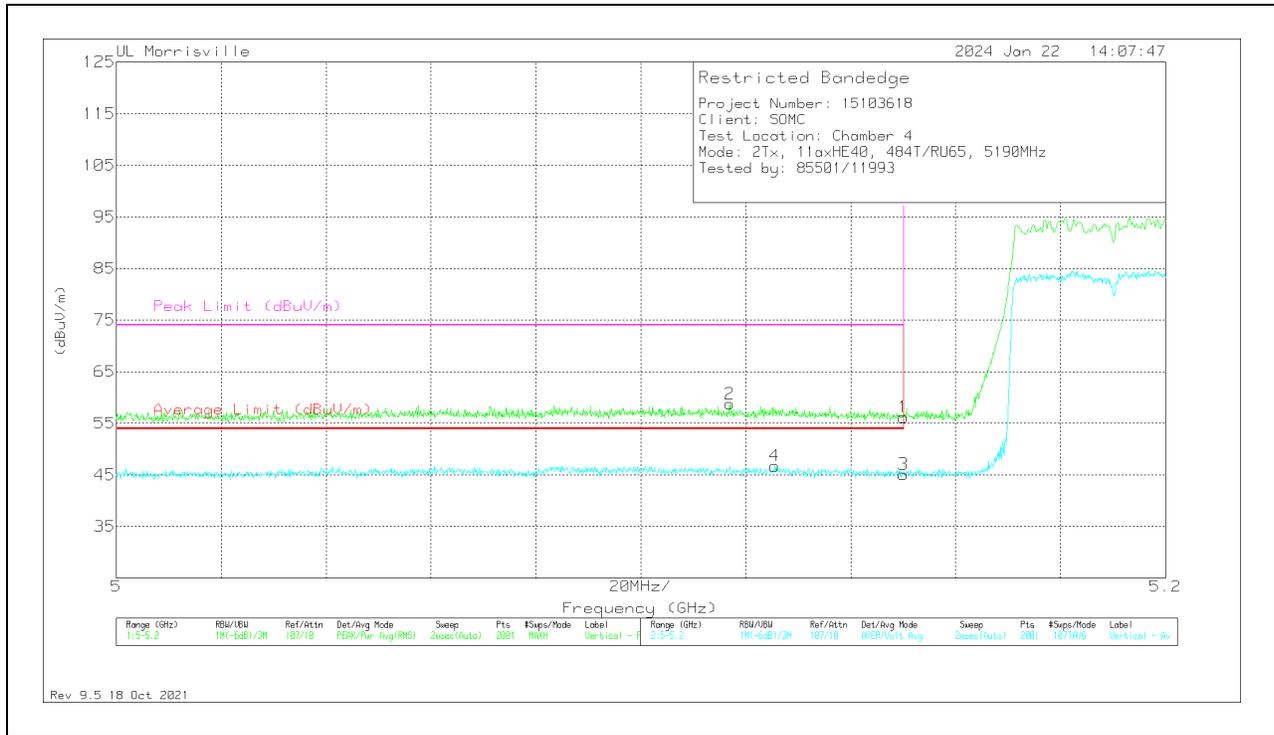
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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

Pk - Peak detector

ADV - Linear Voltage Average

**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	*** 5.15	31.5	Pk	34.2	-9.5	0	56.2	-	-	74	-17.8	281	125	V
2	** 5.1169	34.06	Pk	34.1	-9.4	0	58.76	-	-	74	-15.24	281	125	V
3	*** 5.15	19.76	ADV	34.2	-9.5	0.59	45.05	54	-8.95	-	-	281	125	V
4	*** 5.1255	21.12	ADV	34.2	-9.2	0.59	46.71	54	-7.29	-	-	281	125	V

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

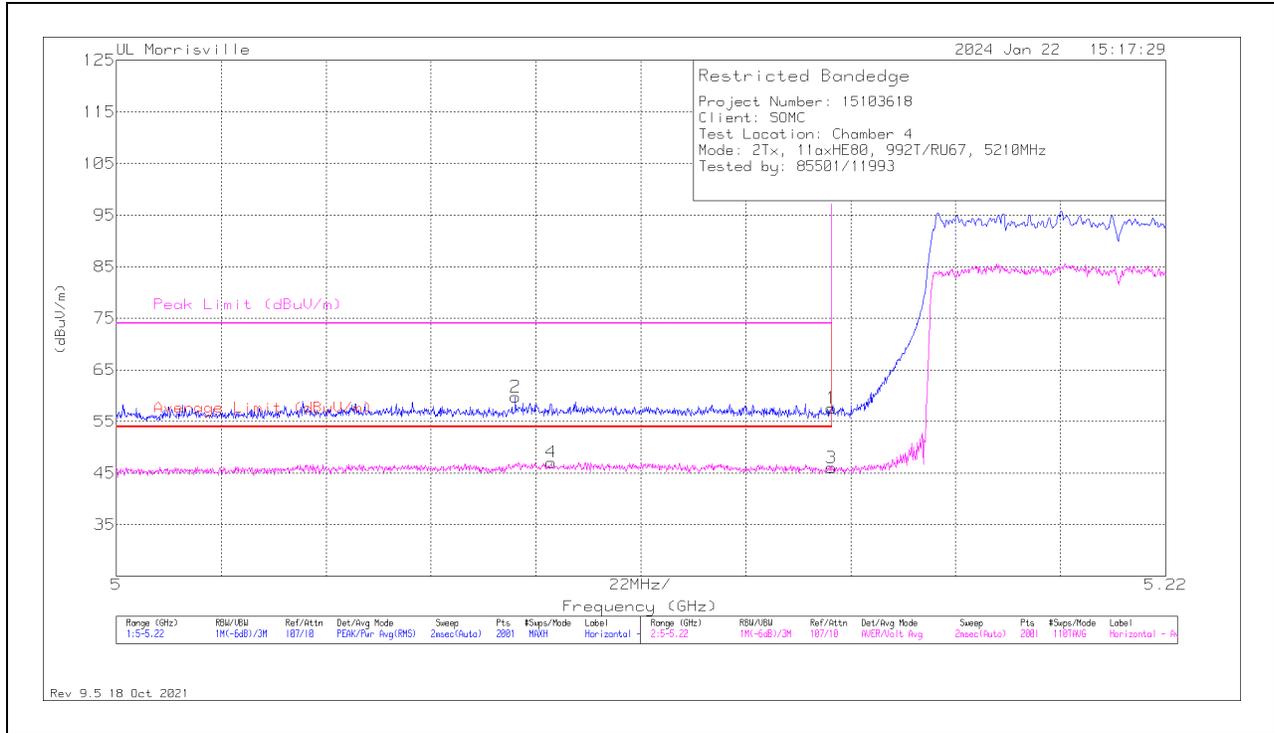
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

**10.1.4. TX ABOVE 1 GHz 802.11ax HE80 MODE IN THE 5.2GHz BAND**  
**2TX CDD MODE: 996T**  
**BANDEDGE (MID 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	*** 5.14993	32.9	Pk	34.2	-9.5	0	57.6	-	-	74	-16.4	277	150	H
2	*** 5.08371	35.05	Pk	34.1	-9.4	0	59.75	-	-	74	-14.25	277	150	H
3	*** 5.14993	20.51	ADV	34.2	-9.5	.83	46.04	54	-7.96	-	-	277	150	H
4	*** 5.09119	21.75	ADV	34.1	-9.6	.83	47.08	54	-6.92	-	-	277	150	H

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

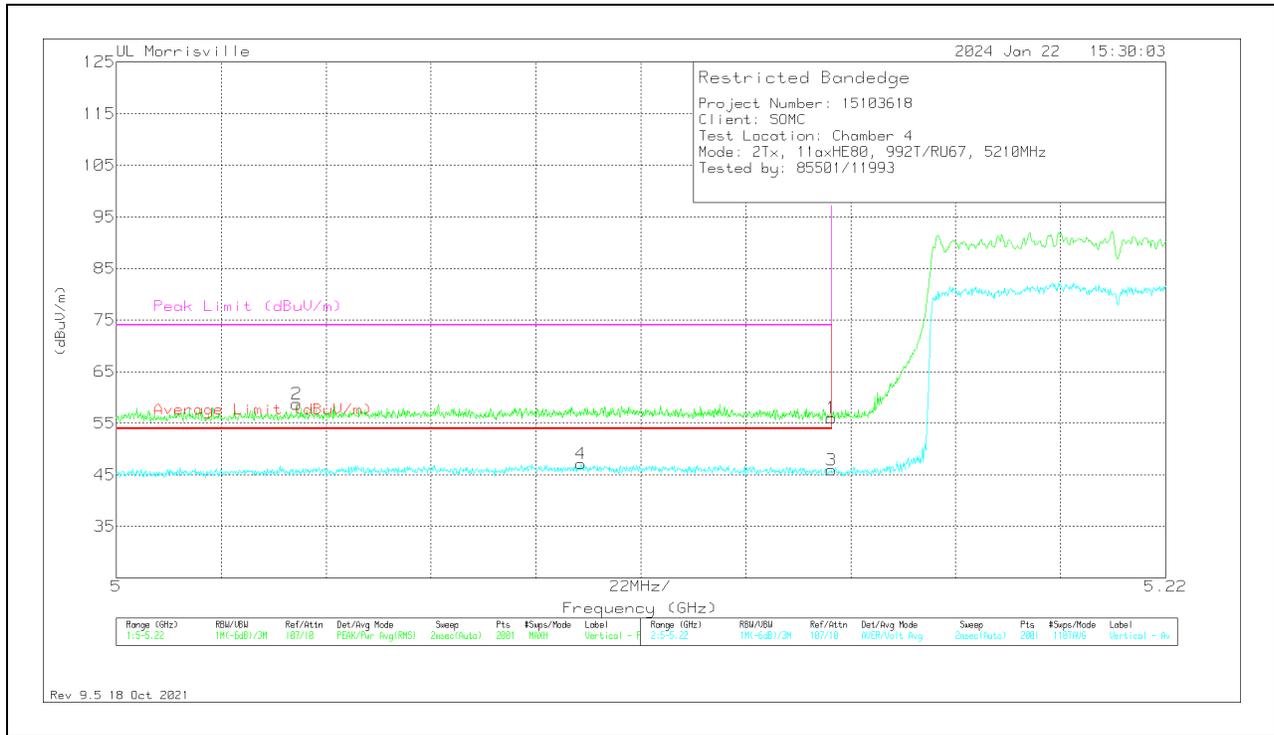
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

\*\*NOTE: Test mode was 996T/RU67 and not 992T as indicated by the typo in the title block.

**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	* ** 5.14993	31.32	Pk	34.2	-9.5	0	56.02	-	-	74	-17.98	281	110	V
2	* ** 5.03784	33.93	Pk	34.1	-9.3	0	58.73	-	-	74	-15.27	281	110	V
3	* ** 5.14993	20.4	ADV	34.2	-9.5	.83	45.93	54	-8.07	-	-	281	110	V
4	* ** 5.09746	21.6	ADV	34.1	-9.4	.83	47.13	54	-6.87	-	-	281	110	V

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

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

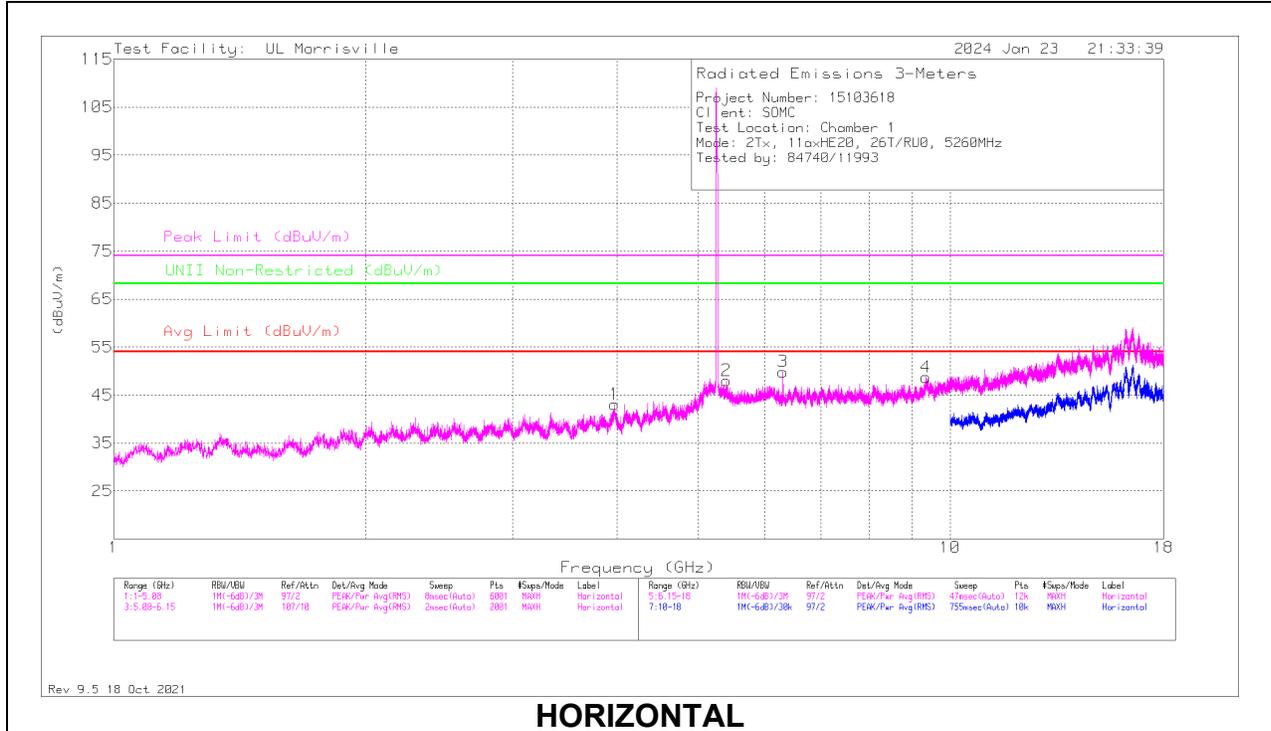
Pk - Peak detector

ADV - Linear Voltage Average

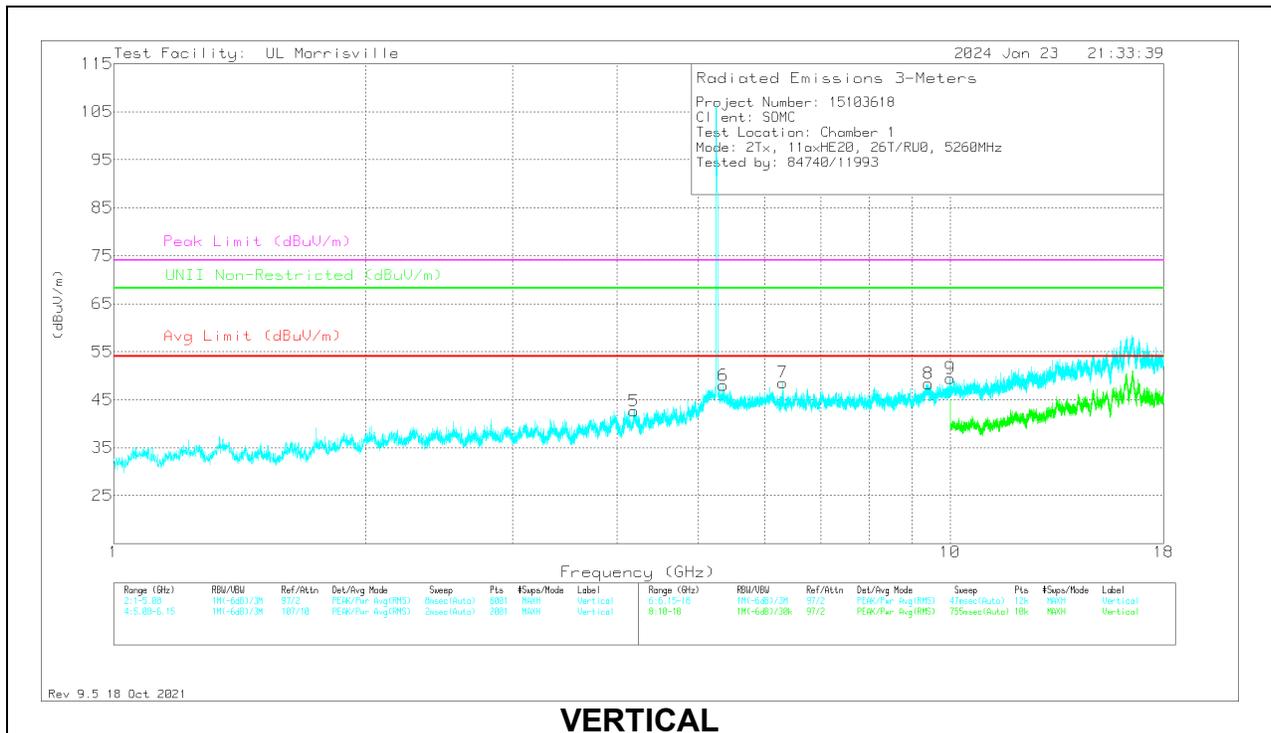
\*\*NOTE: Test mode was 996T/RU67 and not 992T as indicated by the typo in the title block.

**10.1.5. TX ABOVE 1 GHz 802.11ax HE20 MODE IN THE 5.3GHz BAND**  
**2TX CDD MODE: 26T**  
**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)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 3.96752	40.75	Pk	33.4	-31.1	0	43.05	54	-10.95	74	-30.95	-	-	0-360	200	H
5	* ** 4.1858	39.72	Pk	33.4	-30.5	0	42.62	54	-11.38	74	-31.38	-	-	0-360	200	V
2	* ** 5.40017	37.02	PK-U	34.5	-22.9	0	48.62	-	-	74	-25.38	-	-	223	156	H
	* ** 5.40287	24.32	ADV	34.5	-23	0.47	36.29	54	-17.71	-	-	-	-	223	156	H
6	* ** 5.35874	36.17	Pk	34.5	-22.7	0	47.97	54	-6.03	74	-26.03	-	-	0-360	200	V
4	* ** 9.35708	39.56	PK-U	36.3	-25.7	0	50.16	-	-	74	-23.84	-	-	37	270	H
	* ** 9.35891	26.84	ADV	36.3	-25.8	0.47	37.81	54	-16.19	-	-	-	-	37	270	H
8	* ** 9.41552	38.49	PK-U	36.4	-25.6	0	49.29	-	-	74	-24.71	-	-	353	258	V
	* ** 9.41354	26.46	ADV	36.4	-25.6	0.47	37.73	54	-16.27	-	-	-	-	353	258	V
7	6.31096	42.06	Pk	35.4	-28.9	0	48.56	-	-	-	-	68.2	-19.64	0-360	200	V
3	6.31195	43.46	Pk	35.4	-29	0	49.86	-	-	-	-	68.2	-18.34	0-360	200	H
9	10.00026	37.43	Pk	37.4	-25.4	0	49.43	-	-	-	-	68.2	-18.77	0-360	101	V

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

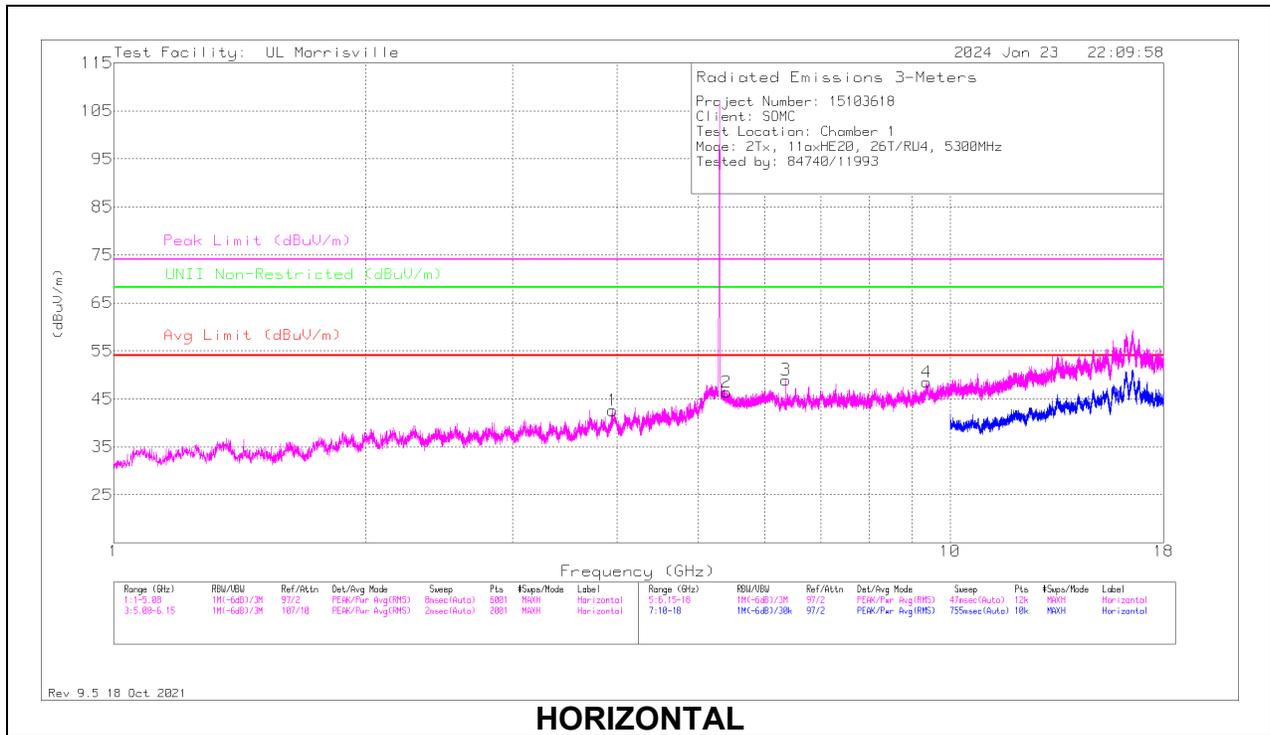
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

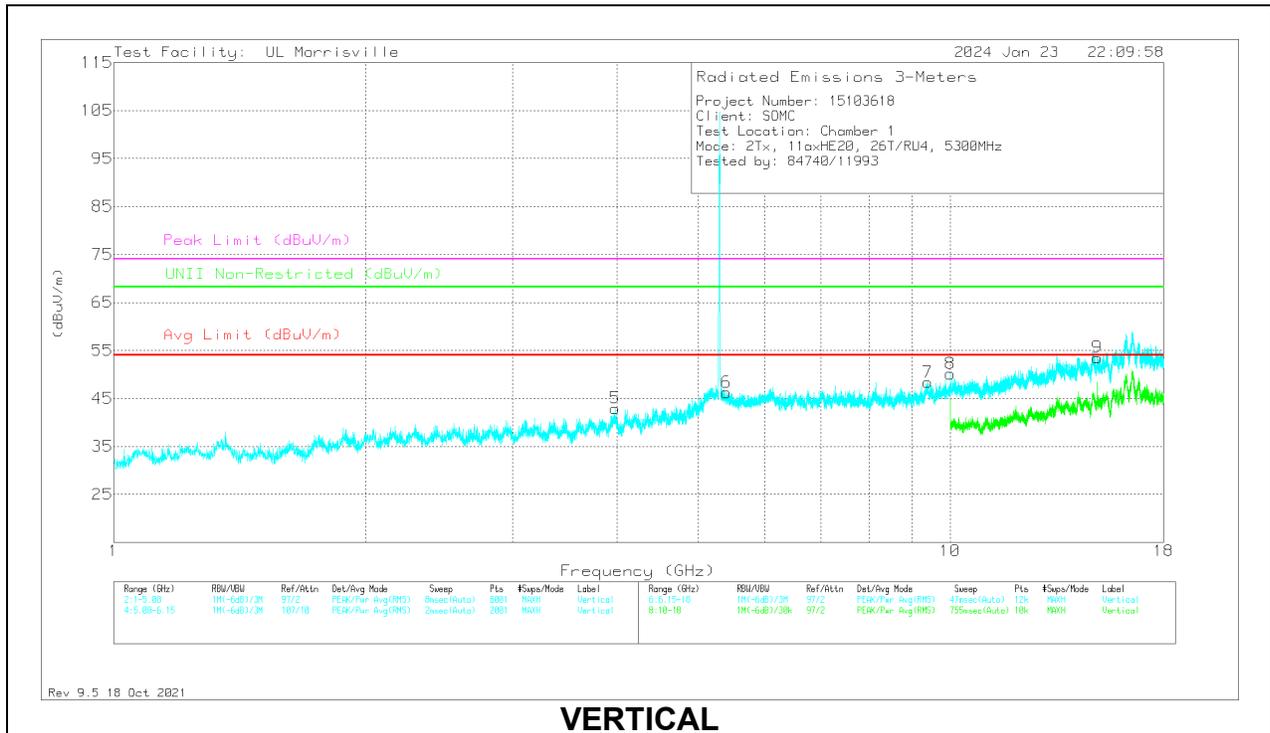
PK-U - Maximum Peak

ADV - Linear Voltage Average

### MID 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)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 3.94984	40.39	Pk	33.4	-31.2	0	42.59	54	-11.41	74	-31.41	-	-	0-360	101	H
5	* ** 3.975	40.86	Pk	33.4	-31.3	0	42.96	54	-11.04	74	-31.04	-	-	0-360	101	V
2	* ** 5.40207	34.79	Pk	34.5	-22.9	0	46.39	54	-7.61	74	-27.61	-	-	0-360	101	H
6	* ** 5.40368	34.74	Pk	34.5	-23	0	46.24	54	-7.76	74	-27.76	-	-	0-360	200	V
4	* ** 9.37085	39.06	PK-U	36.4	-25.6	0	49.86	-	-	74	-24.14	-	-	48	374	H
	* ** 9.37037	26.87	ADV	36.4	-25.6	0.47	38.14	54	-15.86	-	-	-	-	48	374	H
7	* ** 9.40447	38.9	PK-U	36.4	-25.5	0	49.8	-	-	74	-24.2	-	-	29	230	V
	* ** 9.40424	26.76	ADV	36.4	-25.6	0.47	38.03	54	-15.97	-	-	-	-	29	230	V
3	6.35935	41.74	Pk	35.5	-28.3	0	48.94	-	-	-	-	68.2	-19.26	0-360	101	H
8	10.00026	38.15	Pk	37.4	-25.4	0	50.15	-	-	-	-	68.2	-18.05	0-360	101	V
9	14.99504	36.41	Pk	39.9	-22.8	0	53.51	-	-	-	-	68.2	-14.69	0-360	200	V

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

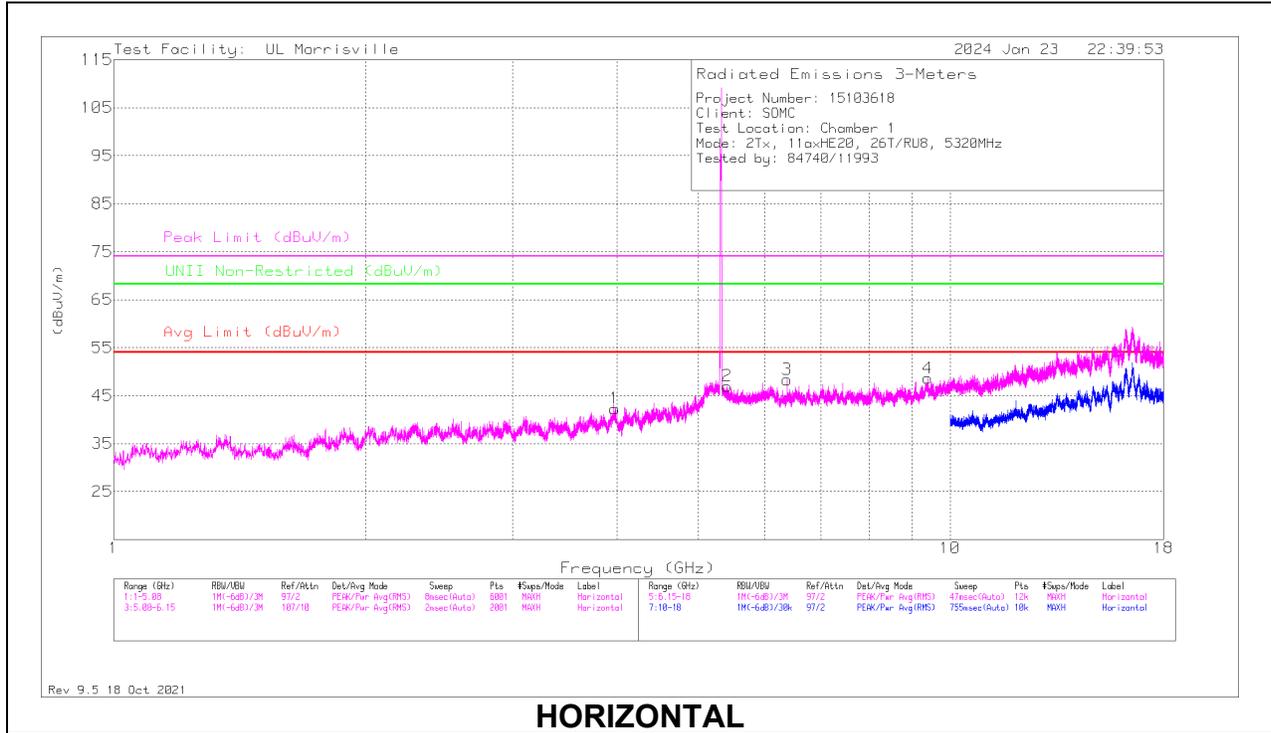
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

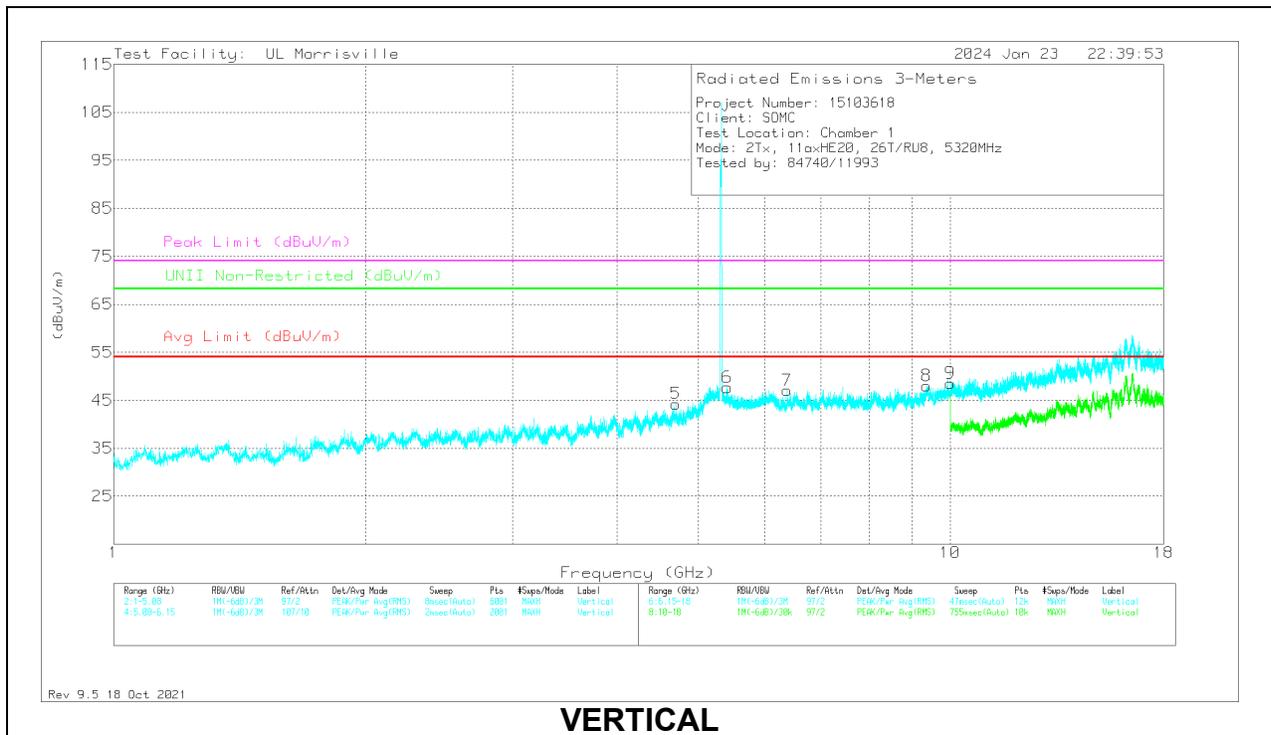
PK-U - Maximum Peak

ADV - Linear Voltage Average

### 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)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 3.97296	40.2	Pk	33.4	-31.3	0	42.3	54	-11.7	74	-31.7	-	-	0-360	199	H
5	* ** 4.70192	40.47	Pk	34.1	-30.3	0	44.27	54	-9.73	74	-29.73	-	-	0-360	101	V
2	* ** 5.41438	35.7	Pk	34.5	-23.2	0	47	54	-7	74	-27	-	-	0-360	101	H
6	* ** 5.41545	36.37	Pk	34.5	-23.2	0	47.67	54	-6.33	74	-26.33	-	-	0-360	200	V
4	* ** 9.39913	39.11	PK-U	36.4	-25.8	0	49.71	-	-	74	-24.29	-	-	8	295	H
	* ** 9.39982	27.01	ADV	36.4	-25.8	0.47	38.08	54	-15.92	-	-	-	-	8	295	H
8	* ** 9.37402	40	PK-U	36.4	-25.5	0	50.9	-	-	74	-23.1	-	-	274	245	V
	* ** 9.37338	26.81	ADV	36.4	-25.5	0.47	38.18	54	-15.82	-	-	-	-	274	245	V
7	6.38305	39.85	Pk	35.5	-28.3	0	47.05	-	-	-	-	68.2	-21.15	0-360	200	V
3	6.38404	41.13	Pk	35.5	-28.3	0	48.33	-	-	-	-	68.2	-19.87	0-360	101	H
9	10.00026	36.55	Pk	37.4	-25.4	0	48.55	-	-	-	-	68.2	-19.65	0-360	101	V

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

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

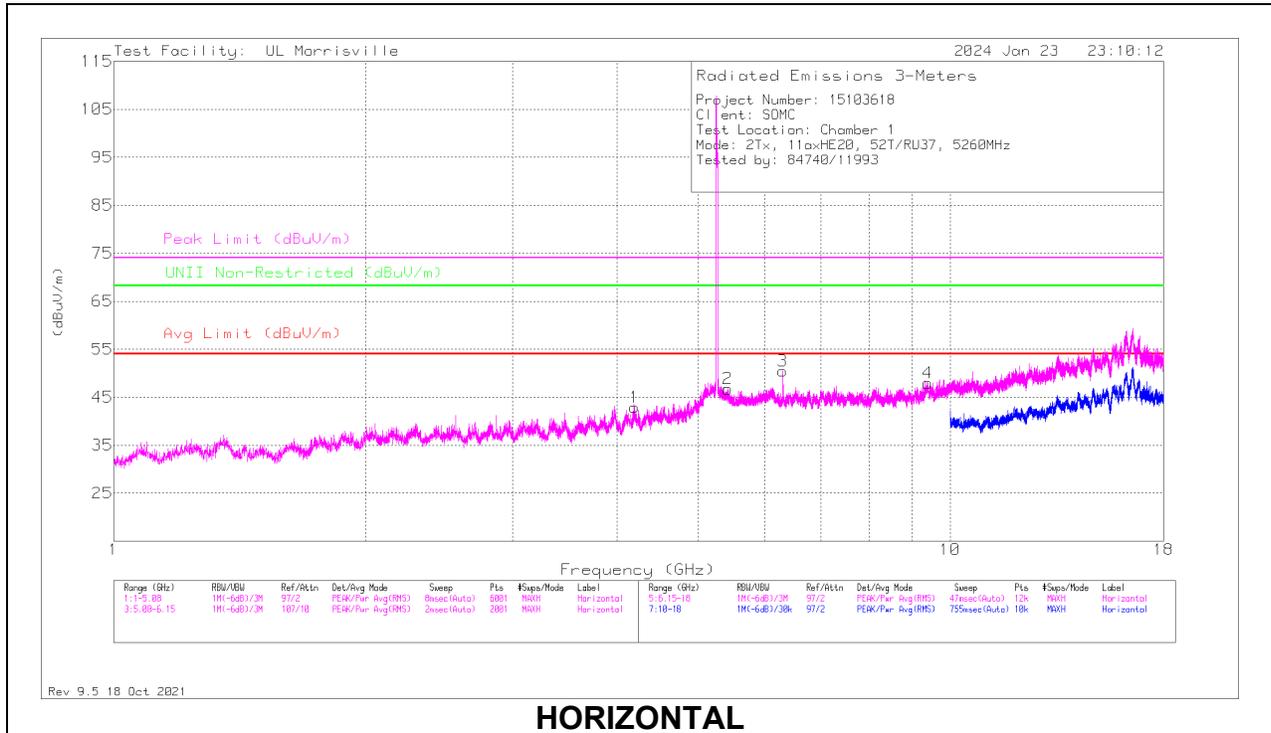
Pk - Peak detector

PK-U - Maximum Peak

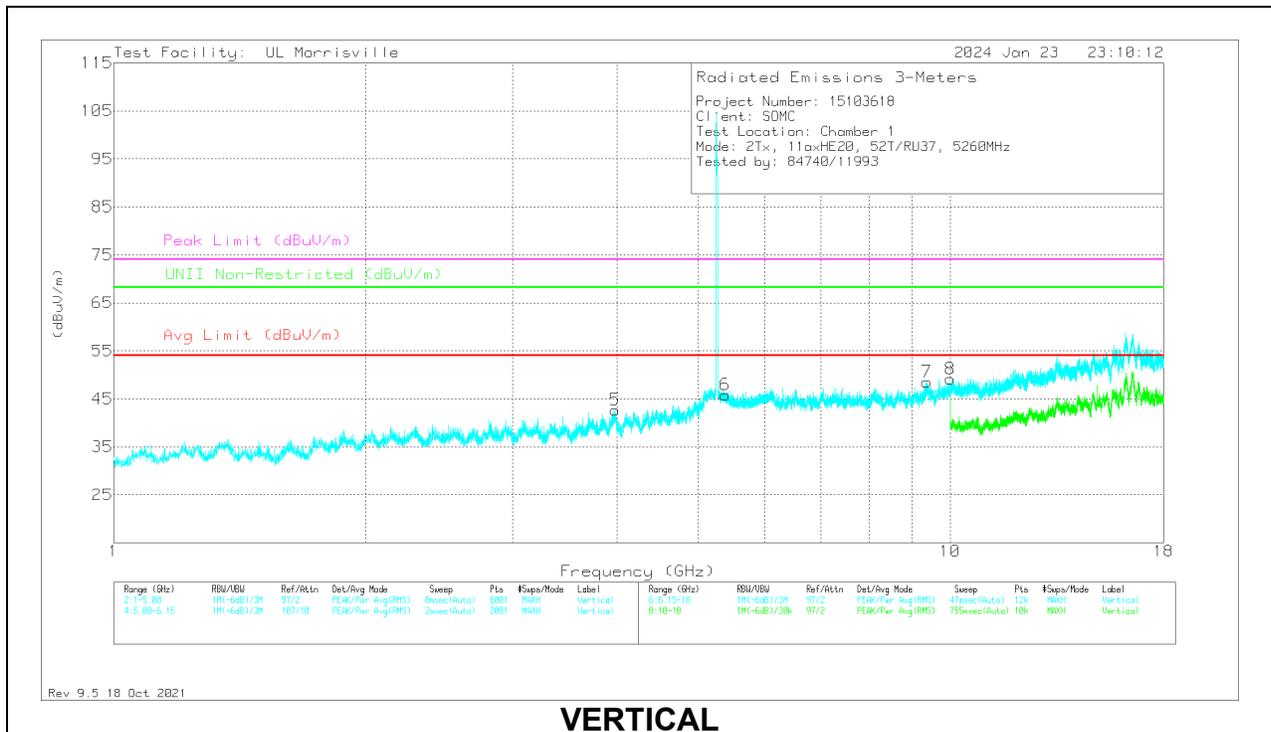
ADV - Linear Voltage Average

**2TX CDD MODE: 52T**  
**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)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 4.19464	40.18	Pk	33.4	-30.7	0	42.88	54	-11.12	74	-31.12	-	-	0-360	101	H
5	* ** 3.97772	40.68	Pk	33.4	-31.4	0	42.68	54	-11.32	74	-31.32	-	-	0-360	200	V
2	* ** 5.41812	35.37	Pk	34.5	-23.1	0	46.77	54	-7.23	74	-27.23	-	-	0-360	101	H
6	* ** 5.38602	34.43	Pk	34.5	-23.1	0	45.83	54	-8.17	74	-28.17	-	-	0-360	101	V
4	* ** 9.40283	37.14	Pk	36.4	-25.6	0	47.94	54	-6.06	74	-26.06	-	-	0-360	101	H
7	* ** 9.37854	39.39	PK-U	36.4	-25.7	0	50.09	-	-	74	-23.91	-	-	343	131	V
	* ** 9.37716	26.69	ADV	36.4	-25.7	0.50	37.89	54	-16.11	-	-	-	-	343	131	V
3	6.31096	43.94	Pk	35.4	-28.9	0	50.44	-	-	-	-	68.2	-17.76	0-360	101	H
8	10.00026	37.16	Pk	37.4	-25.4	0	49.16	-	-	-	-	68.2	-19.04	0-360	101	V

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

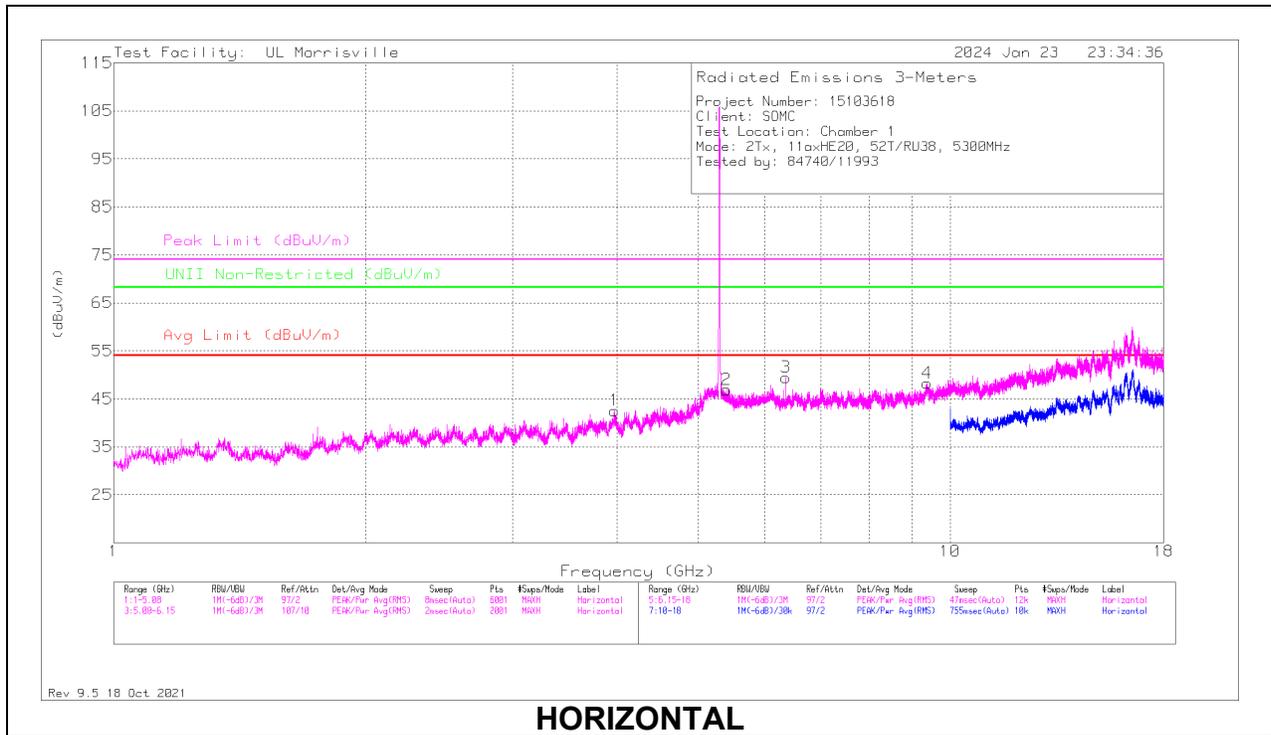
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

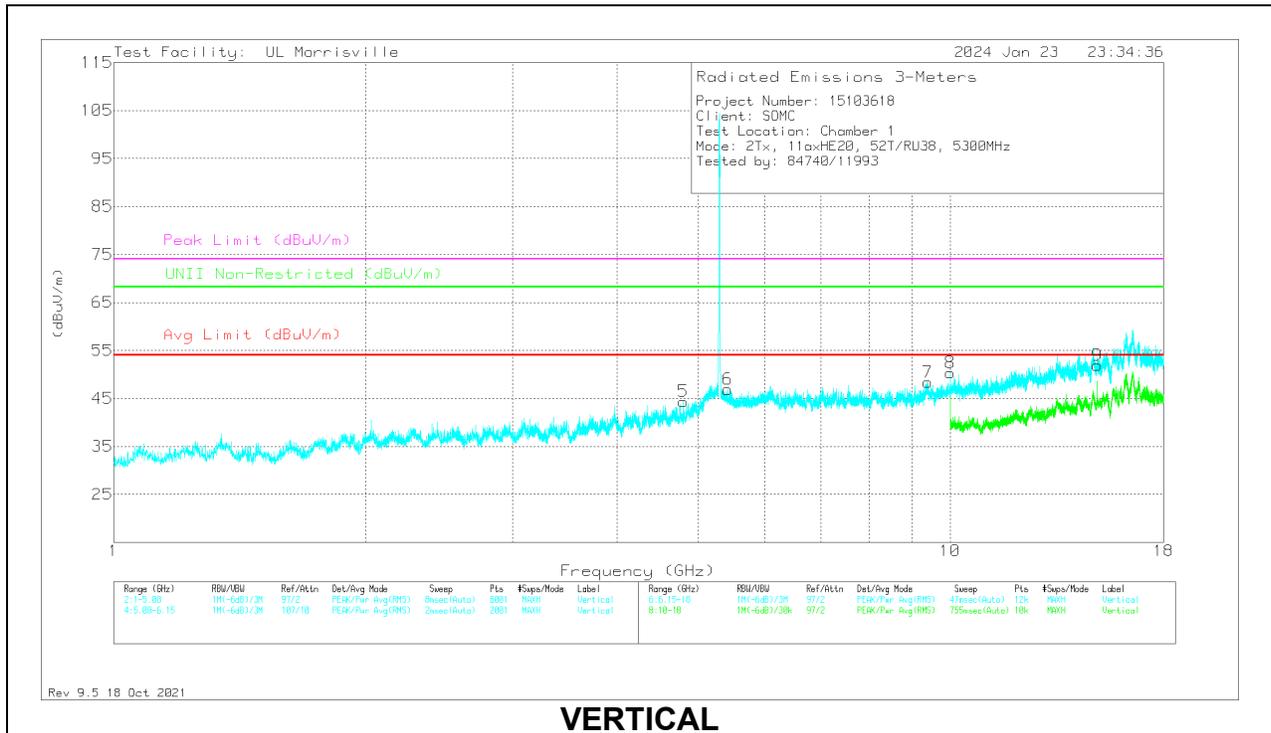
PK-U - Maximum Peak

ADV - Linear Voltage Average

### MID 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)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 3.96888	40.27	Pk	33.4	-31.1	0	42.57	54	-11.43	74	-31.43	-	-	0-360	199	H
5	* ** 4.79984	40.27	Pk	34	-29.9	0	44.37	54	-9.63	74	-29.63	-	-	0-360	200	V
2	* ** 5.40261	35.4	Pk	34.5	-23	0	46.9	54	-7.1	74	-27.1	-	-	0-360	101	H
6	* ** 5.42347	35.28	Pk	34.5	-22.9	0	46.88	54	-7.12	74	-27.12	-	-	0-360	200	V
4	* ** 9.39287	39.22	PK-U	36.4	-26	0	49.62	-	-	74	-24.38	-	-	133	204	H
	* ** 9.3946	26.89	ADV	36.4	-26	0.5	37.79	54	-16.21	-	-	-	-	133	204	H
7	* ** 9.40831	38.38	PK-U	36.4	-25.5	0	49.28	-	-	74	-24.72	-	-	179	199	V
	* ** 9.4059	26.39	ADV	36.4	-25.5	0.5	37.79	54	-16.21	-	-	-	-	179	199	V
3	6.35935	42.28	Pk	35.5	-28.3	0	49.48	-	-	-	-	68.2	-18.72	0-360	200	H
8	10.00026	38.35	Pk	37.4	-25.4	0	50.35	-	-	-	-	68.2	-17.85	0-360	101	V
9	15.00096	34.76	Pk	39.9	-22.8	0	51.86	-	-	-	-	68.2	-16.34	0-360	101	V

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

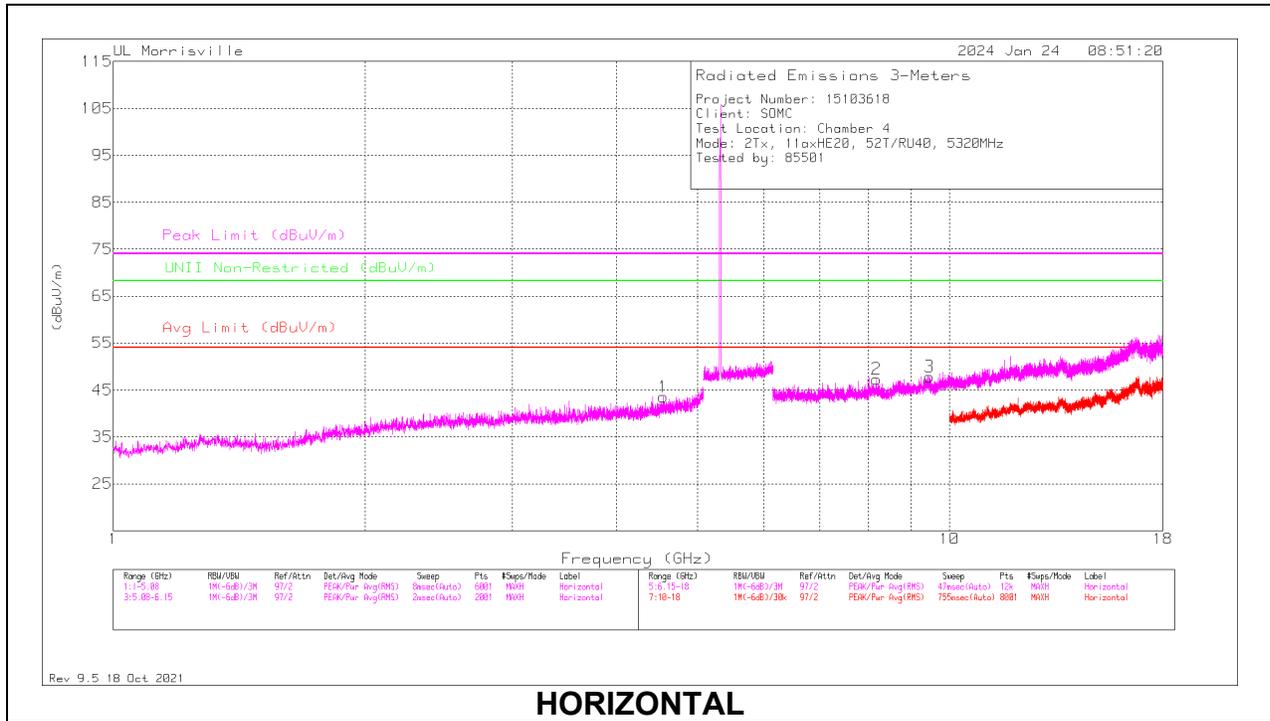
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

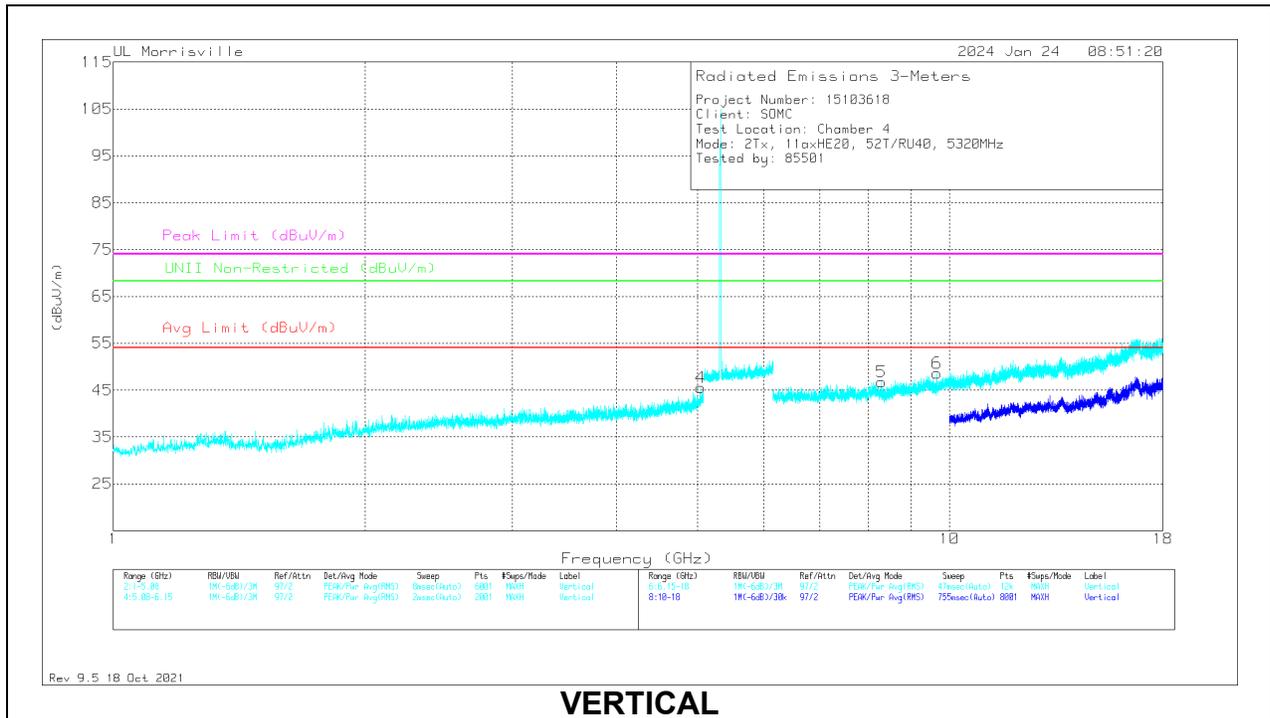
PK-U - Maximum Peak

ADV -Linear Voltage Average

### 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)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 4.55028	41	Pk	33.9	-31.4	0	43.5	54	-10.5	74	-30.5	-	-	0-360	100	H
4	* ** 5.03716	41.28	Pk	34.1	-29.8	0	45.58	54	-8.42	74	-28.42	-	-	0-360	200	V
2	* ** 8.17931	38.43	Pk	35.8	-26.9	0	47.33	54	-6.67	74	-26.67	-	-	0-360	100	H
3	* ** 9.47096	36.46	Pk	36.7	-25.3	0	47.86	54	-6.14	74	-26.14	-	-	0-360	100	H
5	* ** 8.29683	37.96	Pk	35.8	-27	0	46.76	54	-7.24	74	-27.24	-	-	0-360	200	V
6	9.66071	36.39	PK-U	36.8	-25.7	0	47.49	-	-	-	-	68.2	-20.71	62	127	V

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

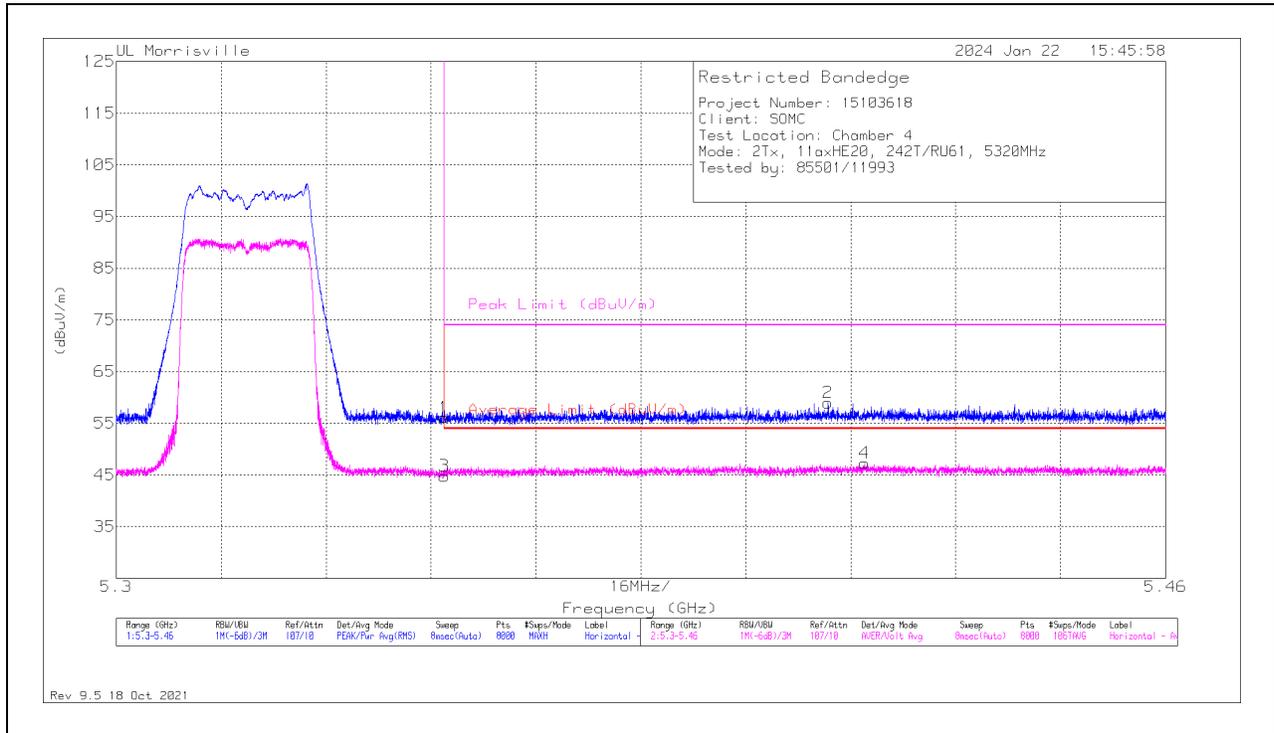
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

PK-U - Maximum Peak

**2TX CDD MODE: 242T**  
**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	*** 5.35001	30.99	Pk	34.4	-9.3	0	56.09	-	-	74	-17.91	283	104	H
2	** 5.40854	33.17	Pk	34.6	-8.8	0	58.97	-	-	74	-15.03	283	104	H
3	*** 5.35001	19.11	ADV	34.4	-9.3	0.51	44.72	54	-9.28	-	-	283	104	H
4	*** 5.4141	20.91	ADV	34.6	-8.8	0.51	47.22	54	-6.78	-	-	283	104	H

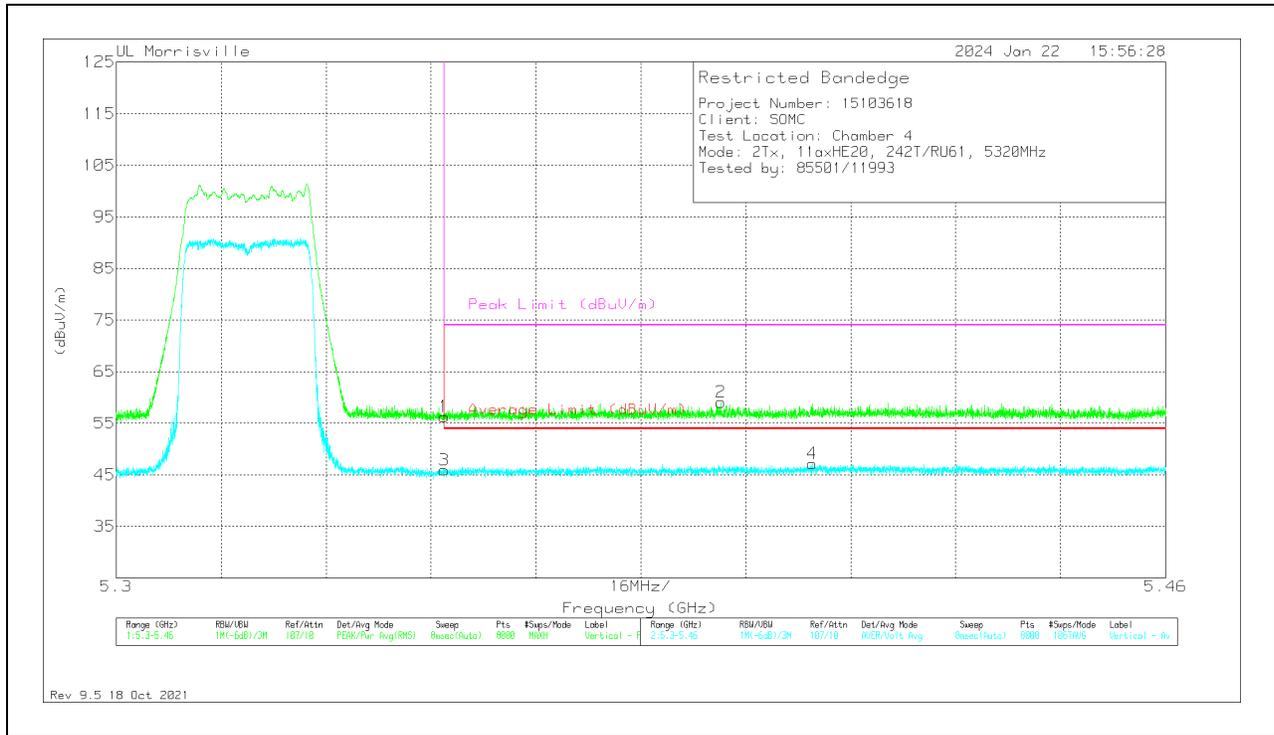
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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

Pk - Peak detector

ADV - Linear Voltage Average

**VERTICAL RESULT**

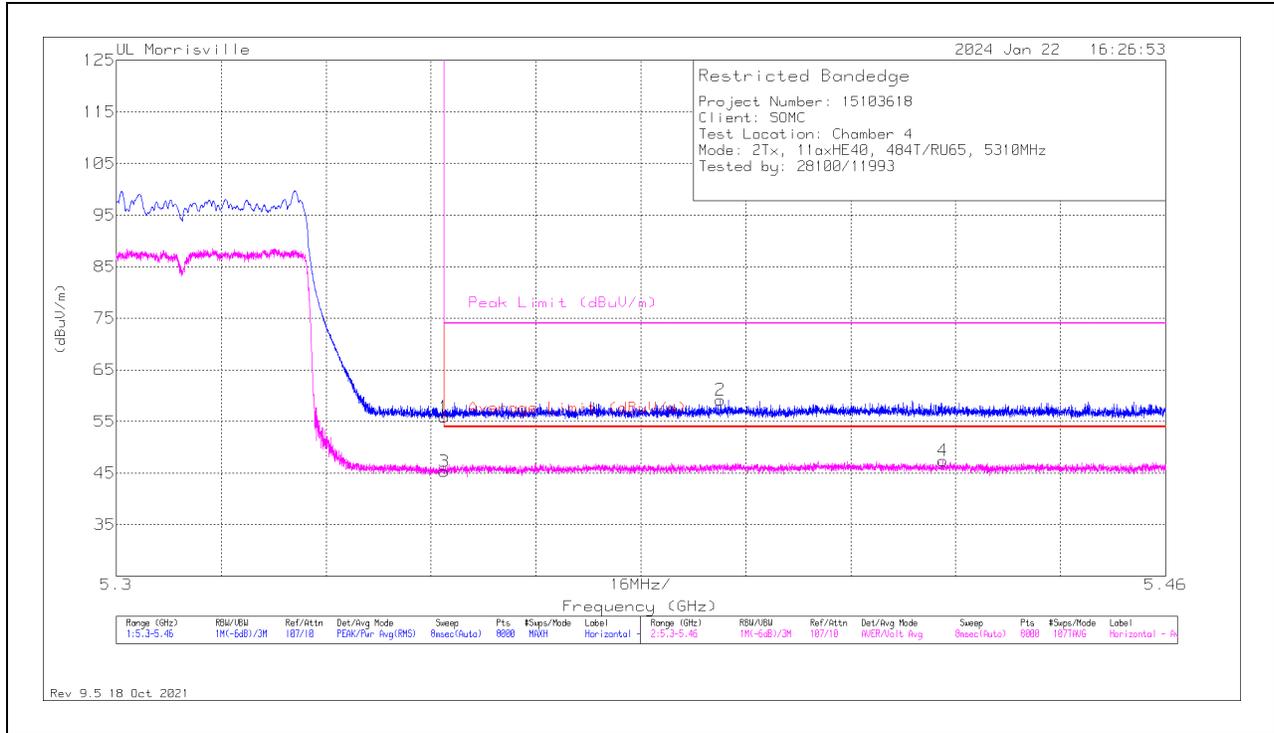


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 5.35001	31.15	Pk	34.4	-9.3	0	56.25	-	-	74	-17.75	277	107	V
2	*** 5.39221	33.49	Pk	34.6	-9	0	59.09	-	-	74	-14.91	277	107	V
3	*** 5.35001	20.27	ADV	34.4	-9.3	0.51	45.88	54	-8.12	-	-	277	107	V
4	*** 5.40612	20.91	ADV	34.6	-8.9	0.51	47.12	54	-6.88	-	-	277	107	V

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

**10.1.6. TX ABOVE 1 GHz 802.11ax HE40 MODE IN THE 5.3GHz BAND**  
**2TX CDD MODE: 484T**  
**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	*** 5.35001	30.77	Pk	34.4	-9.3	0	55.87	-	-	74	-18.13	276	137	H
2	*** 5.39209	33.56	Pk	34.6	-9	0	59.16	-	-	74	-14.84	276	137	H
3	*** 5.35001	19.58	ADV	34.4	-9.3	0.59	45.27	54	-8.73	-	-	276	137	H
4	*** 5.42604	21.06	ADV	34.6	-8.9	0.59	47.35	54	-6.65	-	-	276	137	H

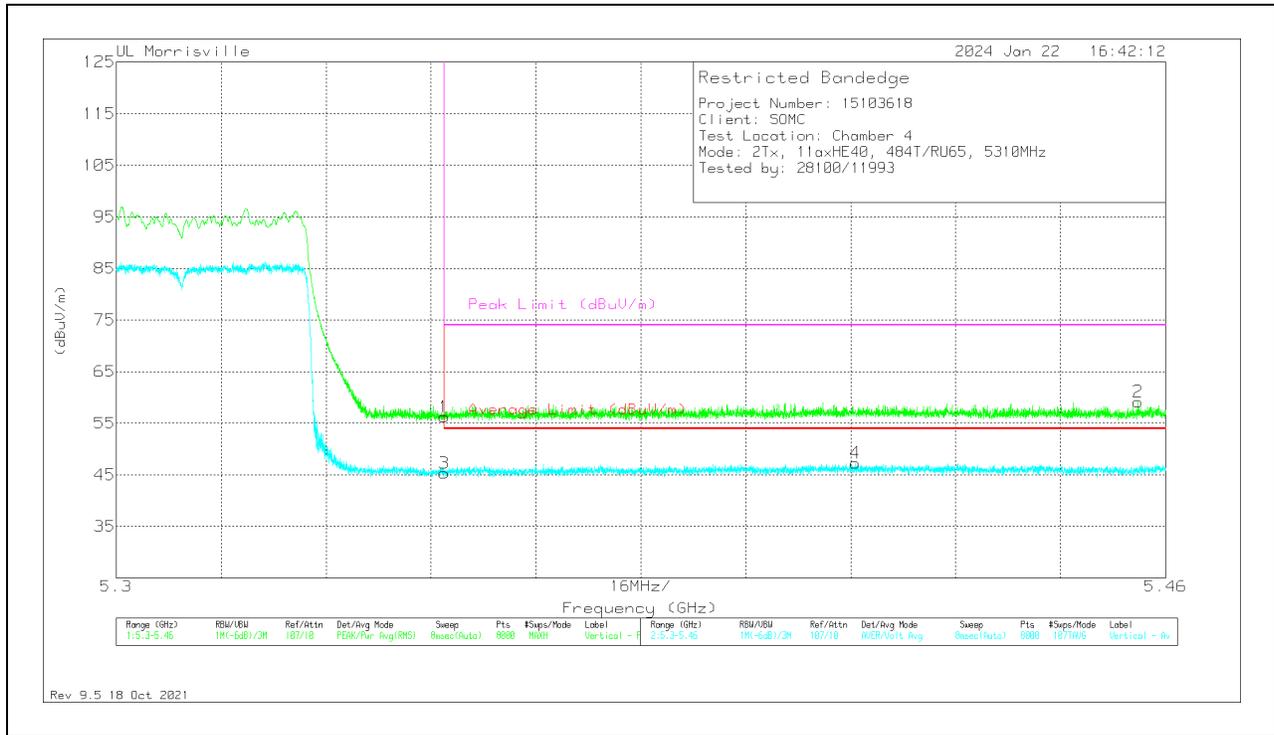
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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

Pk - Peak detector

ADV - Linear Voltage Average

**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	*** 5.35001	31.12	Pk	34.4	-9.3	0	56.22	-	-	74	-17.78	276	137	V
2	*** 5.45582	33.54	Pk	34.6	-9	0	59.14	-	-	74	-14.86	276	137	V
3	*** 5.35001	19.58	ADV	34.4	-9.3	0.59	45.27	54	-8.73	-	-	276	137	V
4	*** 5.41268	20.94	ADV	34.6	-8.9	0.59	47.23	54	-6.77	-	-	276	137	V

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

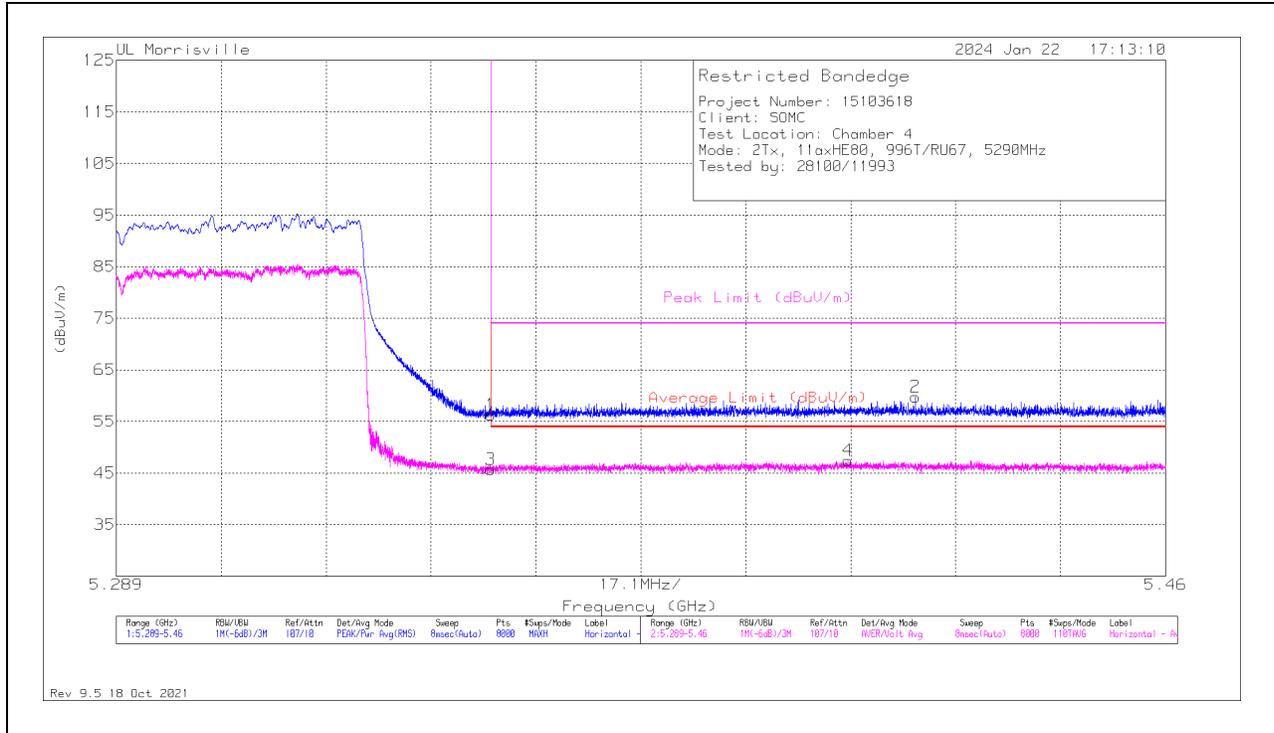
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

**10.1.7. TX ABOVE 1 GHz 802.11ax HE80 MODE IN THE 5.3GHz BAND**  
**2TX CDD MODE: 996T**  
**BANDEDGE (MID 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	*** 5.35001	31.16	Pk	34.4	-9.3	0	56.26	-	-	74	-17.74	277	141	H
2	*** 5.41923	34.08	Pk	34.6	-8.9	0	59.78	-	-	74	-14.22	277	141	H
3	*** 5.35001	19.78	ADV	34.4	-9.3	.83	45.71	54	-8.29	-	-	277	141	H
4	*** 5.4082	20.8	ADV	34.6	-8.8	.83	47.43	54	-6.57	-	-	277	141	H

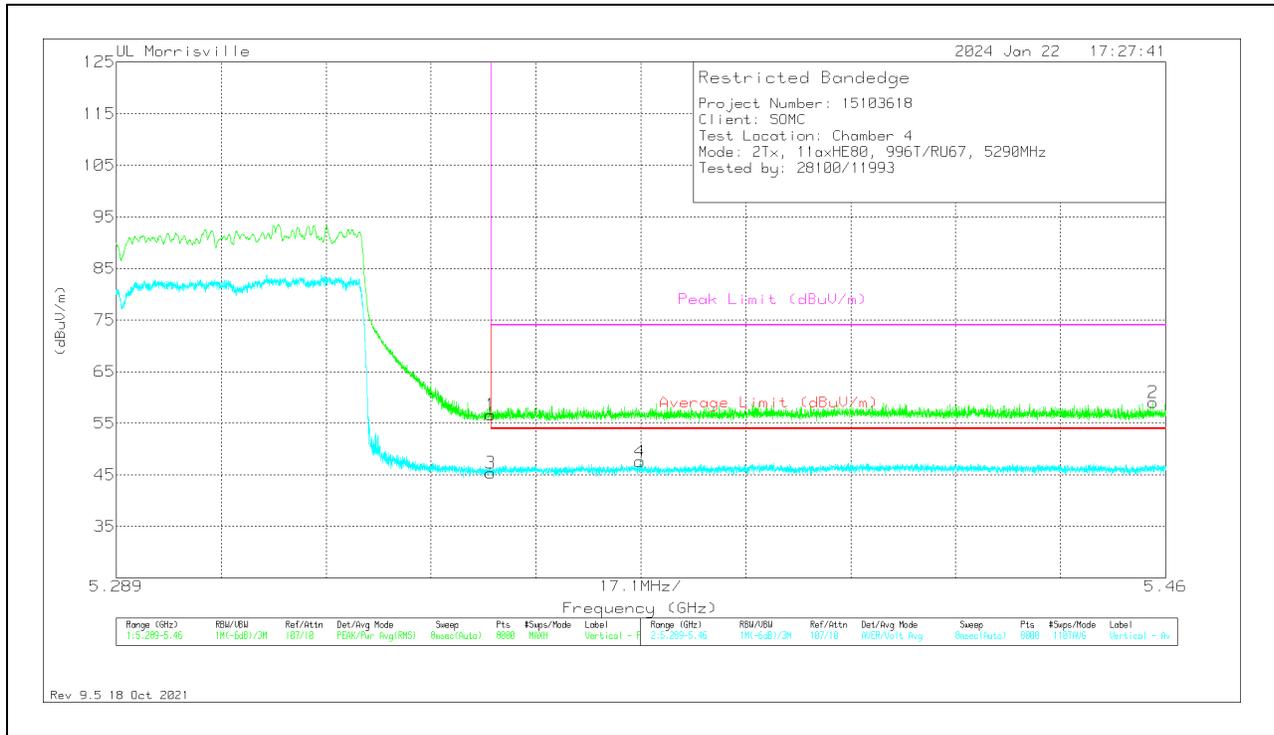
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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

Pk - Peak detector

ADV - Linear Voltage Average

**VERTICAL RESULT**

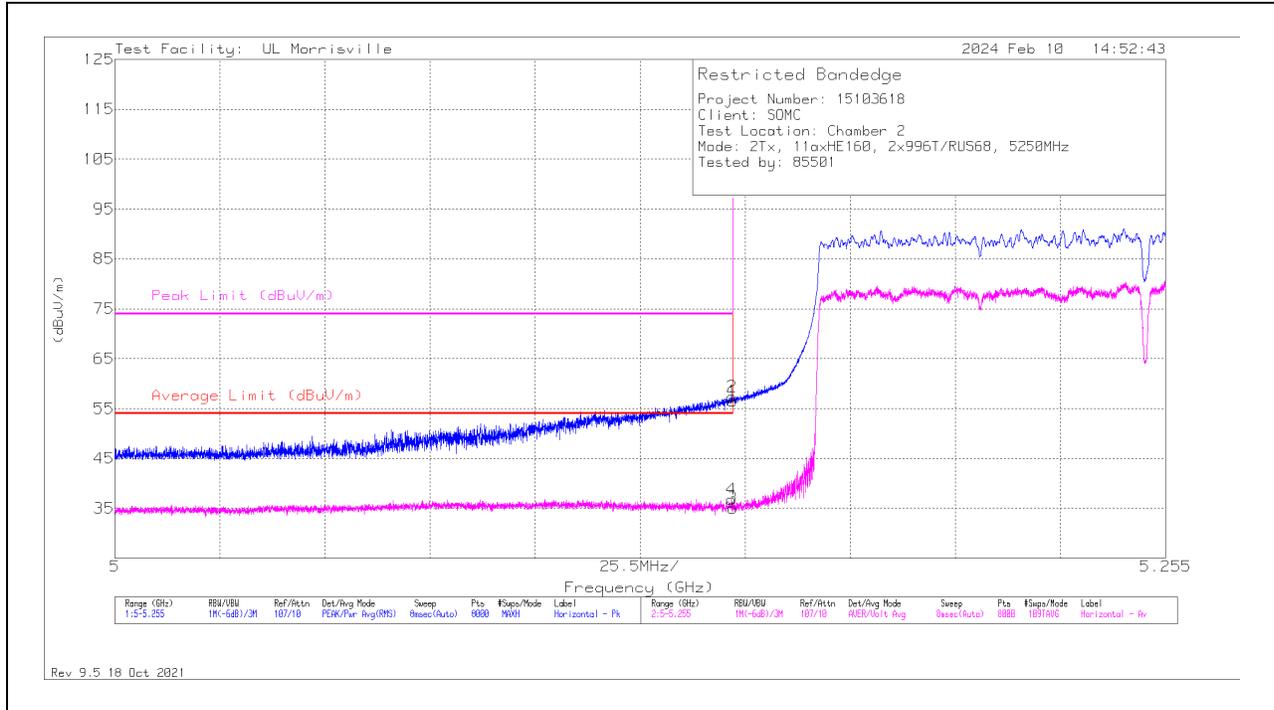


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 5.35001	31.53	Pk	34.4	-9.3	0	56.63	-	-	74	-17.37	273	122	V
2	*** 5.45795	33.22	Pk	34.6	-8.8	0	59.02	-	-	74	-14.98	273	122	V
3	** 5.35001	19.42	ADV	34.4	-9.3	.83	45.35	54	-8.65	-	-	273	122	V
4	** 5.37436	21.36	ADV	34.5	-9.1	.83	47.59	54	-6.41	-	-	273	122	V

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

**10.1.8. TX ABOVE 1 GHz 802.11ax HE160 MODE IN THE 5.2GHz & 5.3GHz BAND**  
**2TX CDD MODE: 2x996T**  
**BANDEDGE (MID CHANNEL LOW EDGE)**

**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	86408 (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	*** 5.14999	44.4	Pk	34.1	-22	0	56.5	-	-	74	-17.5	266	193	H
2	*** 5.14977	45.3	Pk	34.1	-22	0	57.4	-	-	74	-16.6	266	193	H
3	*** 5.14999	22.19	ADV	34.1	-22	0.79	35.08	54	-18.92	-	-	266	193	H
4	*** 5.14967	23.96	ADV	34.1	-22	0.79	36.85	54	-17.15	-	-	266	193	H

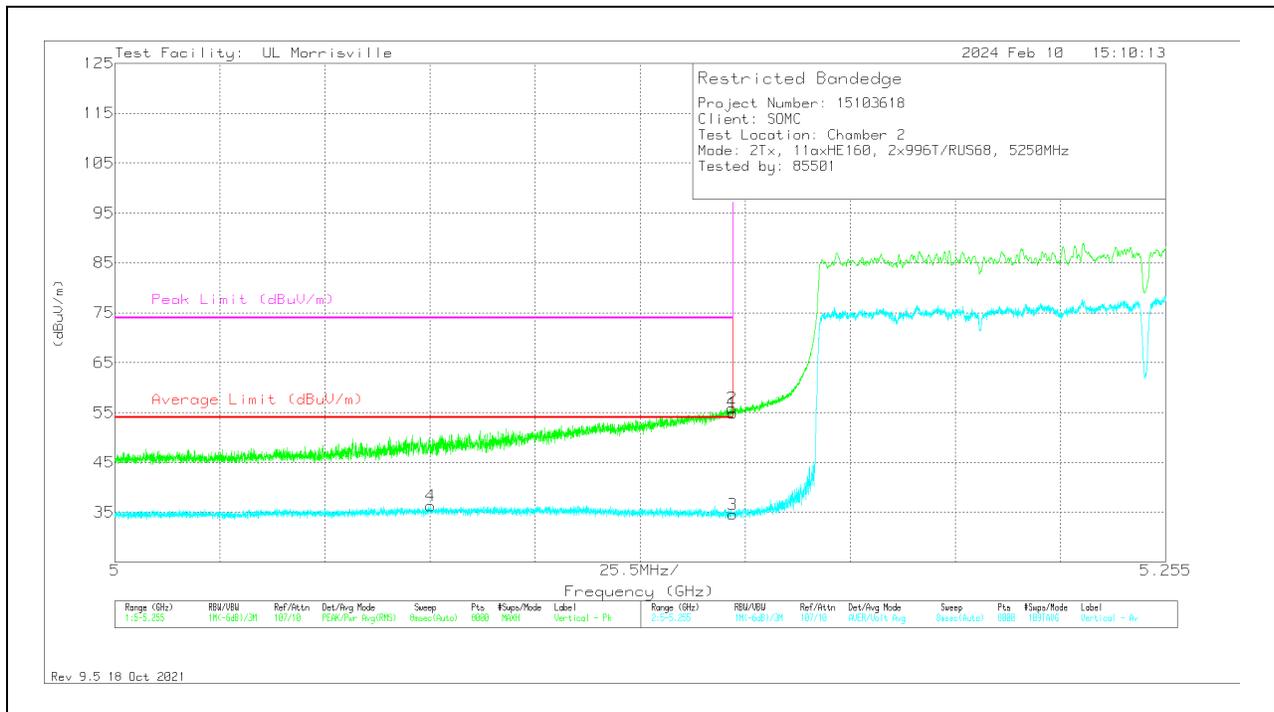
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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

Pk - Peak detector

ADV - Linear Voltage Average

**VERTICAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	86408 (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	*** 5.14999	42.79	Pk	34.1	-22	0	54.89	-	-	74	-19.11	266	195	V
2	*** 5.14983	43.77	Pk	34.1	-22	0	55.87	-	-	74	-18.13	266	195	V
3	*** 5.14999	21.72	ADV	34.1	-22	0.79	34.61	54	-19.39	-	-	266	195	V
4	*** 5.07657	23.52	ADV	34.1	-22.1	0.79	36.31	54	-17.69	-	-	266	195	V

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

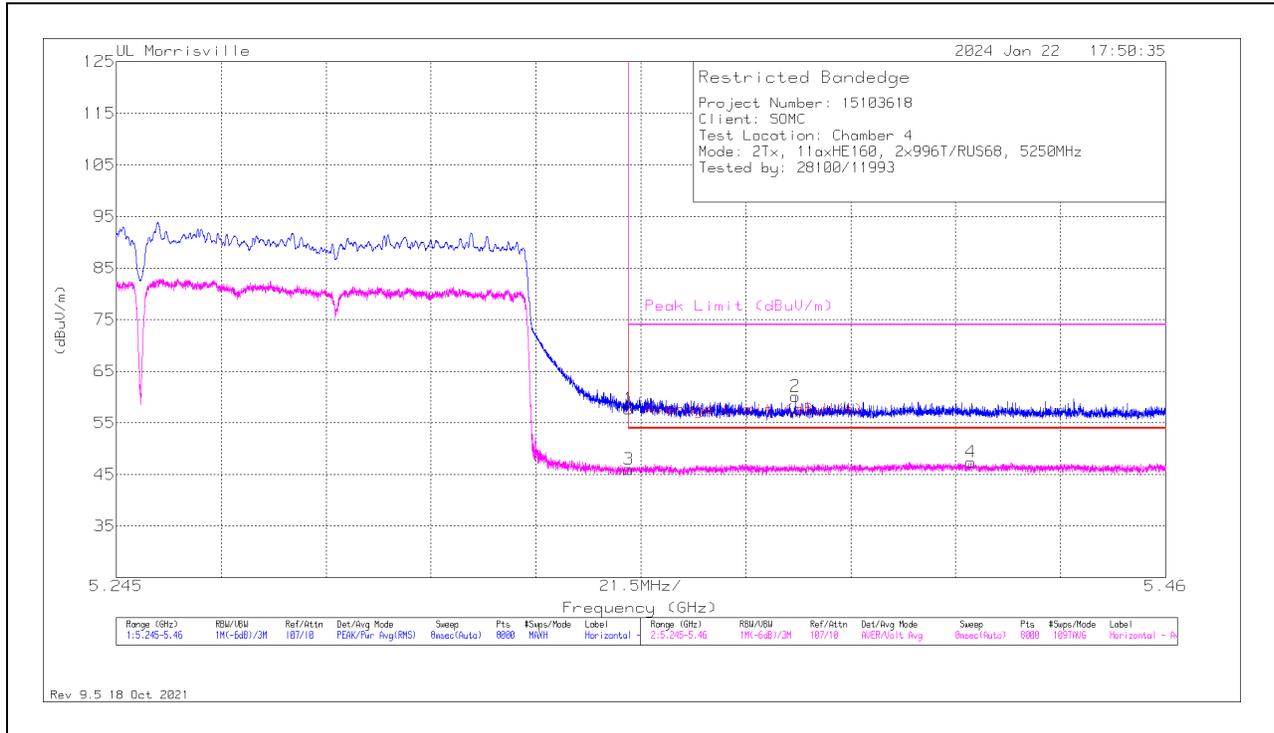
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

**BANDEDGE (MID CHANNEL HIGH EDGE)**

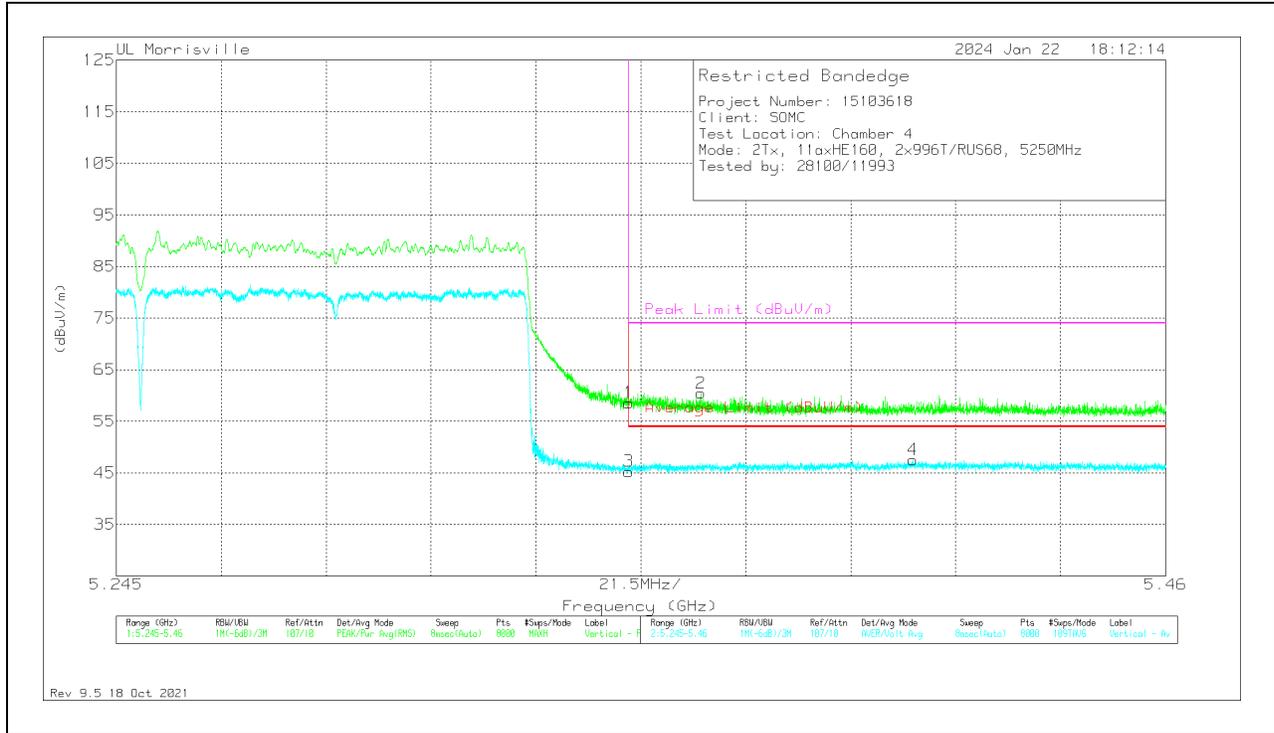
**HORIZONTAL RESULT**



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	* ** 5.35001	32.67	Pk	34.4	-9.3	0	57.77	-	-	74	-16.23	277	116	H
2	* ** 5.38412	34.83	Pk	34.5	-9.2	0	60.13	-	-	74	-13.87	277	116	H
3	* ** 5.35001	20.11	ADV	34.4	-9.3	0.79	46.00	54	-8	-	-	277	116	H
4	* ** 5.42008	20.91	ADV	34.6	-8.9	0.79	47.40	54	-6.60	-	-	277	116	H

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

**VERTICAL RESULT**

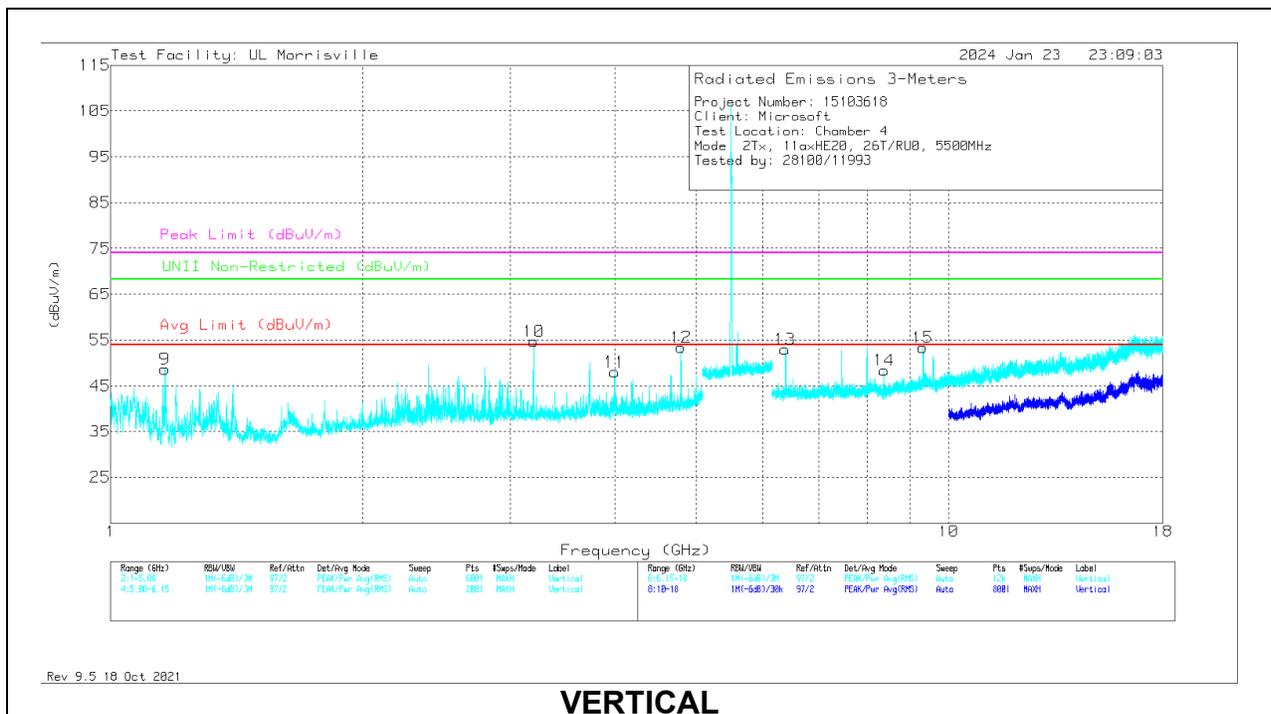
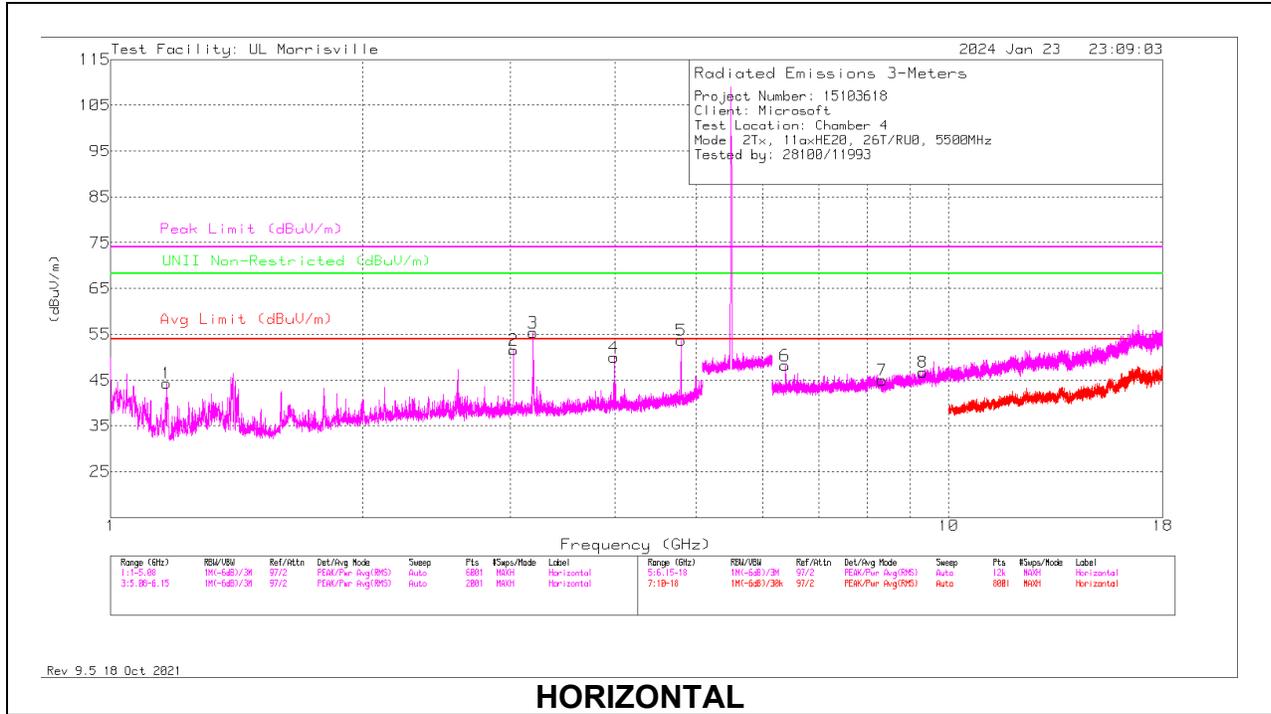


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 5.35001	33.46	Pk	34.4	-9.3	0	58.56	-	-	74	-15.44	277	126	V
2	*** 5.36477	35.06	Pk	34.5	-9.1	0	60.46	-	-	74	-13.54	277	126	V
3	*** 5.35001	19.37	ADV	34.4	-9.3	0.79	45.26	54	-8.74	-	-	277	126	V
4	*** 5.40823	20.93	ADV	34.6	-8.8	0.79	47.52	54	-6.48	-	-	277	126	V

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

**10.1.9. TX ABOVE 1 GHz 802.11ax HE20 MODE IN THE 5.6GHz BAND**  
**2TX CDD MODE: 26T**  
**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)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
9	*** 1.1614	63.97	PK-U	27.7	-35.5	0	56.17	-	-	74	-17.83	-	-	254	222	V
	*** 1.16136	32.25	ADV	27.7	-35.5	0.47	24.92	54	-29.08	-	-	-	-	254	222	V
1	*** 1.16592	52.21	Pk	27.7	-35.6	0	44.31	54	-9.69	74	-29.69	-	-	0-360	100	H
4	*** 3.98838	53.96	PK-U	33.4	-32.9	0	54.46	-	-	74	-19.54	-	-	188	297	H
	*** 3.98824	30.22	ADV	33.4	-32.9	0.47	31.19	54	-22.81	-	-	-	-	188	297	H
11	*** 3.99472	47.48	Pk	33.4	-32.9	0	47.98	54	-6.02	74	-26.02	-	-	0-360	200	V
12	*** 4.79046	55.29	PK-U	34.1	-30.3	0	59.09	-	-	74	-14.91	-	-	168	166	V
	*** 4.78958	29.72	ADV	34.1	-30.3	0.47	33.99	54	-20.01	-	-	-	-	168	166	V
5	*** 4.79189	51.2	PK-U	34.1	-30.4	0	54.9	-	-	74	-19.1	-	-	193	191	H
	*** 4.79523	28.78	ADV	34.1	-30.5	0.47	32.85	54	-21.15	-	-	-	-	193	191	H
7	*** 8.32941	36.05	Pk	35.8	-26.9	0	44.95	54	-9.05	74	-29.05	-	-	0-360	100	H
14	*** 8.36936	44.67	PK-U	35.8	-26.6	0	53.87	-	-	74	-20.13	-	-	113	218	V
	*** 8.36882	24.57	ADV	35.8	-26.7	0.47	34.14	54	-19.86	-	-	-	-	113	218	V
15	*** 9.30981	51.31	PK-U	36.4	-25.4	0	62.31	-	-	74	-11.69	-	-	113	132	V
	*** 9.30736	24.67	ADV	36.4	-25.6	0.47	35.94	54	-18.06	-	-	-	-	113	132	V
8	*** 9.31099	35.84	Pk	36.4	-25.5	0	46.74	54	-7.26	74	-27.26	-	-	0-360	100	H
2	3.023	53.85	Pk	33	-35.3	0	51.55	-	-	-	-	68.2	-16.65	0-360	100	H
3	3.19028	57.34	Pk	32.8	-34.8	0	55.34	-	-	-	-	68.2	-12.86	0-360	100	H
10	3.19844	56.71	Pk	32.8	-34.8	0	54.71	-	-	-	-	68.2	-13.49	0-360	200	V
13	6.37614	46.47	Pk	35.4	-28.9	0	52.97	-	-	-	-	68.2	-15.23	0-360	200	V
6	6.37713	41.56	Pk	35.4	-28.8	0	48.16	-	-	-	-	68.2	-20.04	0-360	100	H

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

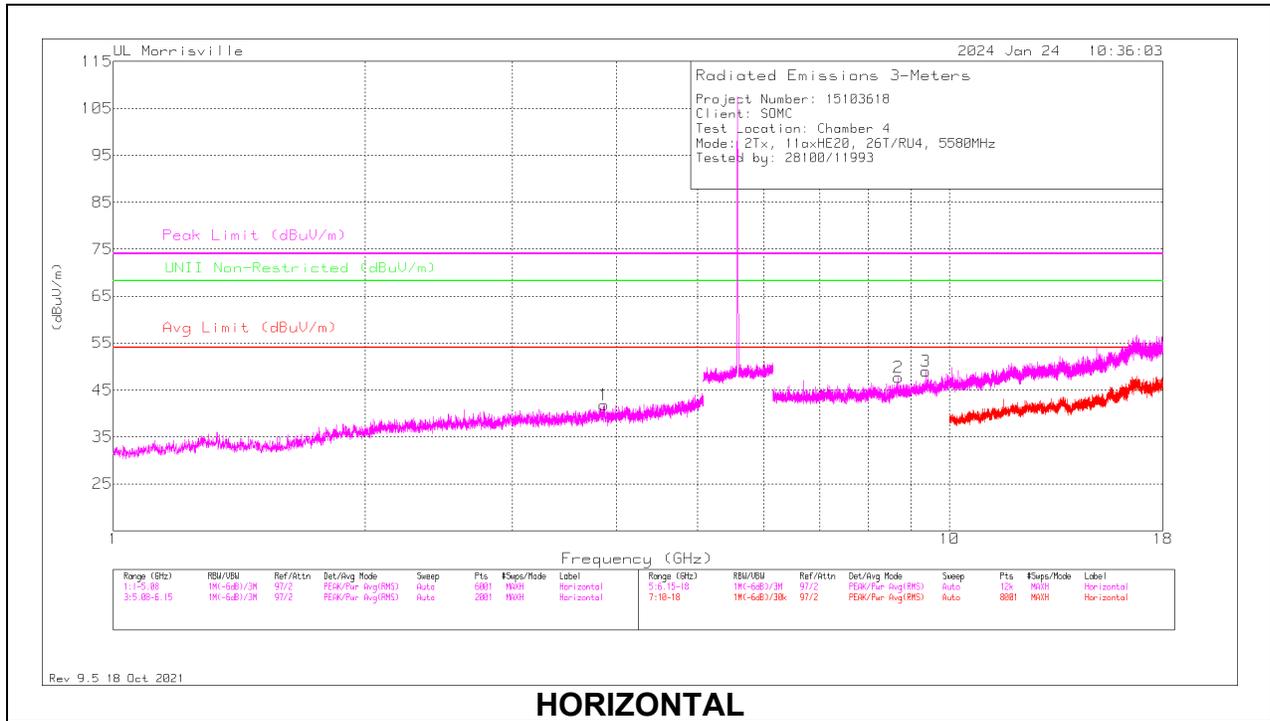
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

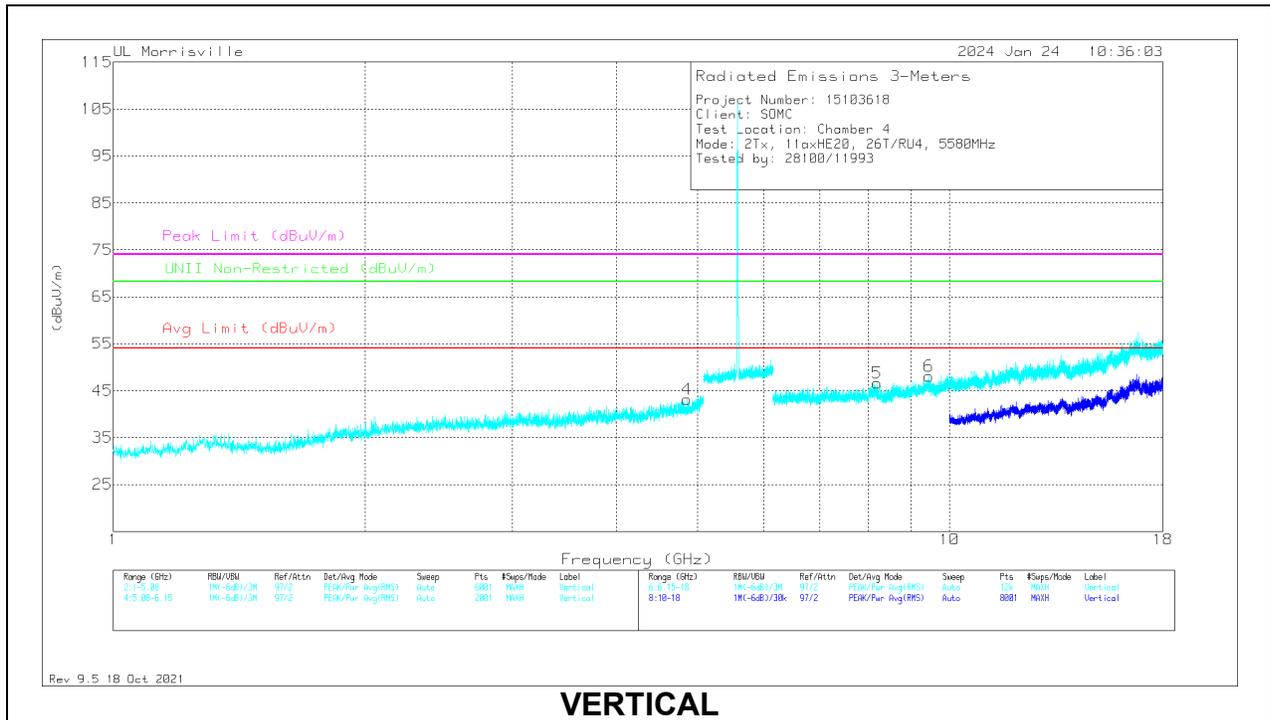
PK-U - Maximum Peak

ADV - Linear Voltage Average

### 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)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 3.8662	40.26	Pk	33.4	-31.9	0	41.76	54	-12.24	74	-32.24	-	-	0-360	100	H
4	*** 4.85152	40.1	Pk	34.1	-31.1	0	43.1	54	-10.9	74	-30.9	-	-	0-360	200	V
3	*** 9.36394	36.75	PK-U	36.5	-25.3	0	47.95	-	-	74	-26.05	-	-	274	216	H
	*** 9.36576	24.75	ADV	36.5	-25.4	0.47	36.32	54	-17.68	-	-	-	-	274	216	H
5	*** 8.19906	37.69	Pk	35.8	-26.9	0	46.59	54	-7.41	74	-27.41	-	-	0-360	200	V
6	*** 9.45253	37.13	PK-U	36.7	-25.5	0	48.33	-	-	74	-25.67	-	-	170	376	V
	*** 9.45443	24.66	ADV	36.7	-25.6	0.47	36.23	54	-17.77	-	-	-	-	170	376	V
2	8.69183	37.71	Pk	36	-26	0	47.71	-	-	-	-	68.2	-20.49	0-360	100	H

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

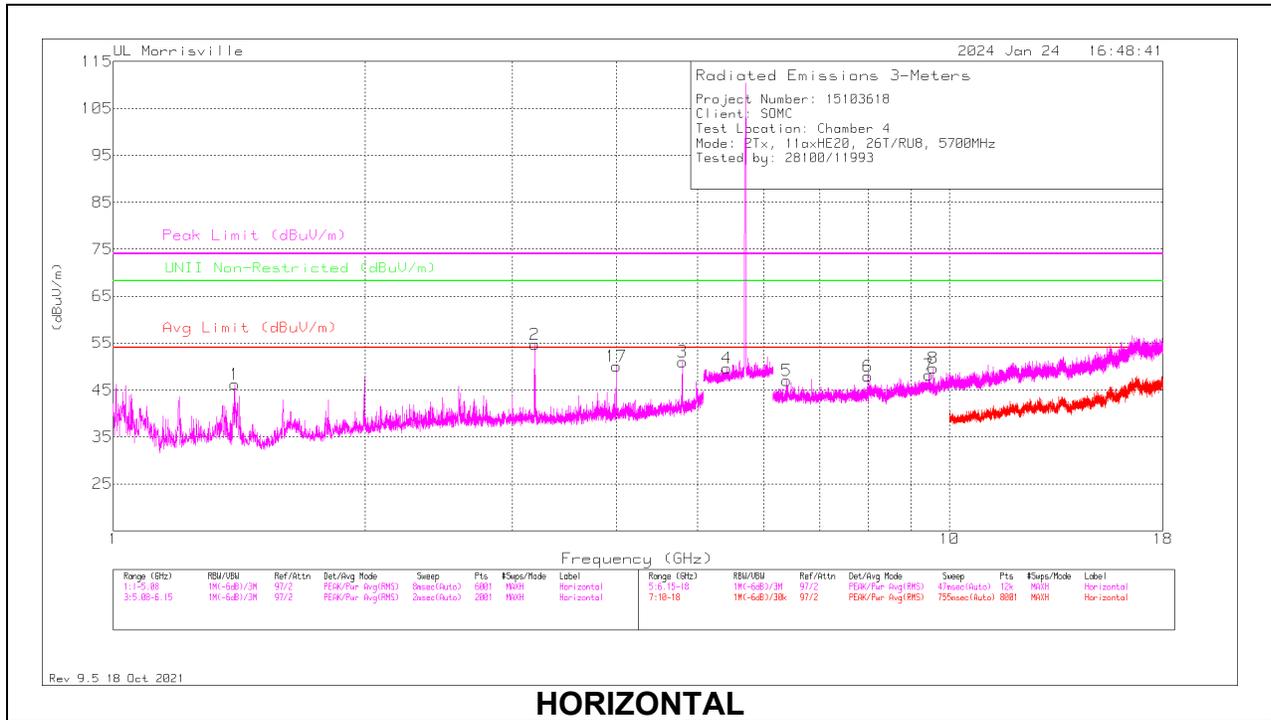
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

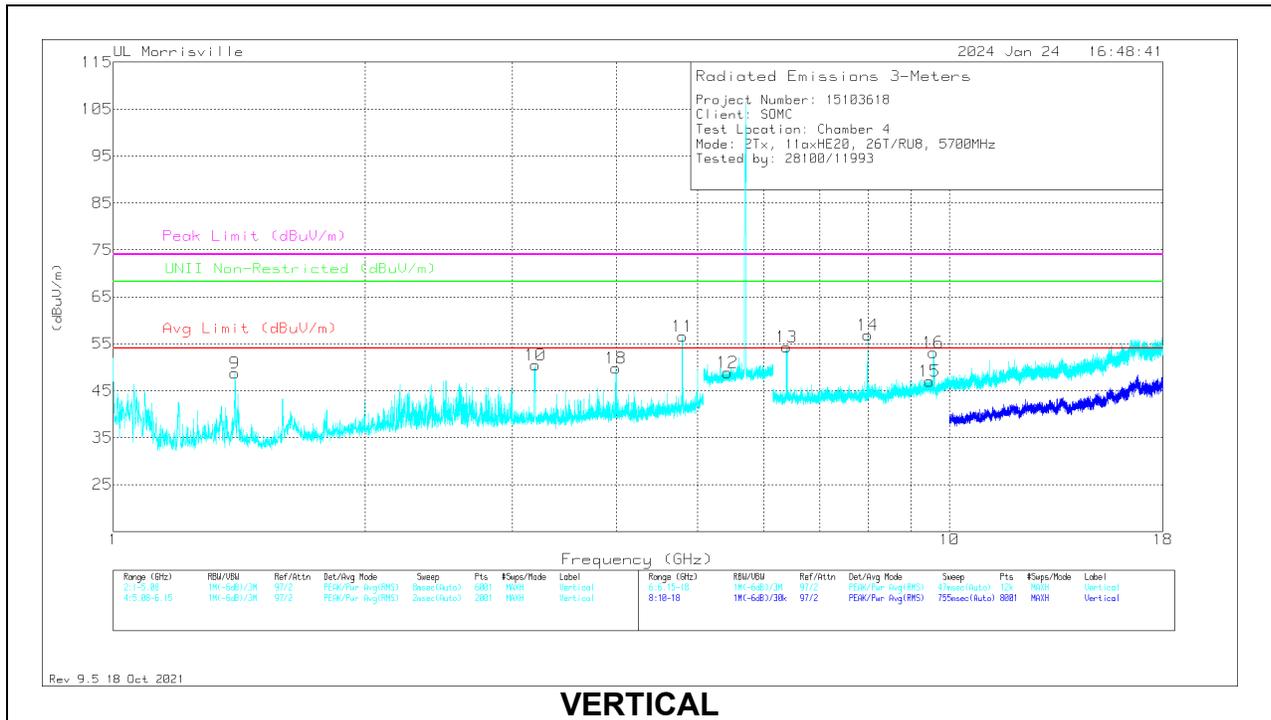
PK-U - Maximum Peak

ADV - Linear Voltage Average

### 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)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 1.3978	53.79	Pk	28.2	-35.8	0	46.19	54	-7.81	74	-27.81	-	-	0-360	100	H
3	** 4.79482	51.06	PK-U	34.1	-30.5	0	54.66	-	-	74	-19.34	-	-	54	112	H
	** 4.79357	28.95	ADV	34.1	-30.5	0.47	33.02	54	-20.98	-	-	-	-	54	112	H
17	** 3.99708	52.96	PK-U	33.4	-32.8	0	53.56	-	-	74	-20.44	-	-	8	114	H
	** 3.99811	29.88	ADV	33.4	-32.8	0.47	31.95	54	-23.05	-	-	-	-	8	114	H
9	** 1.399	65.7	PK-U	28.2	-35.8	0	58.1	-	-	74	-15.9	-	-	0	203	V
	** 1.39777	34.35	ADV	28.2	-35.8	0.47	27.22	54	-26.78	-	-	-	-	0	203	V
11	** 4.79483	56.18	PK-U	34.1	-30.5	0	59.78	-	-	74	-14.22	-	-	167	200	V
	** 4.79562	29.53	ADV	34.1	-30.5	0.47	33.60	54	-20.40	-	-	-	-	167	200	V
18	** 3.99228	55.62	PK-U	33.4	-33	0	56.02	-	-	74	-17.98	-	-	169	166	V
	** 3.99074	30.13	ADV	33.4	-32.9	0.47	31.10	54	-22.90	-	-	-	-	169	166	V
4	** 5.42212	24.59	PK-U	34.6	-8.9	0	50.29	-	-	74	-23.71	-	-	210	318	H
	** 5.42188	12.07	ADV	34.6	-8.9	0.47	38.24	54	-15.76	-	-	-	-	210	318	H
12	** 5.43077	24.15	PK-U	34.6	-8.9	0	49.85	-	-	74	-24.15	-	-	249	290	V
	** 5.42924	11.91	ADV	34.6	-8.8	0.47	38.18	54	-15.82	-	-	-	-	249	290	V
7	** 9.4503	36.64	PK-U	36.7	-25.4	0	47.94	-	-	74	-26.06	-	-	125	217	H
	** 9.45145	24.29	ADV	36.7	-25.5	0.47	35.96	54	-18.04	-	-	-	-	125	217	H
15	** 9.46405	35.91	Pk	36.7	-25.6	0	47.01	54	-6.99	74	-26.99	-	-	0-360	200	V
2	3.19164	56.66	Pk	32.8	-34.8	0	54.66	-	-	-	-	68.2	-13.54	0-360	100	H
10	3.19912	52.53	Pk	32.8	-34.9	0	50.43	-	-	-	-	68.2	-17.77	0-360	200	V
5	6.39293	40.39	Pk	35.4	-28.8	0	46.99	-	-	-	-	68.2	-21.21	0-360	100	H
13	6.39293	47.7	Pk	35.4	-28.8	0	54.3	-	-	-	-	68.2	-13.9	0-360	200	V
6	7.98675	39.57	Pk	35.8	-27.5	0	47.87	-	-	-	-	68.2	-20.33	0-360	100	H
14	7.98873	48.47	Pk	35.8	-27.4	0	56.87	-	-	-	-	68.2	-11.33	0-360	200	V
16	9.56774	42.04	Pk	36.7	-25.6	0	53.14	-	-	-	-	68.2	-15.06	0-360	200	V
8	9.57268	38.65	Pk	36.7	-25.7	0	49.65	-	-	-	-	68.2	-18.55	0-360	100	H

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

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

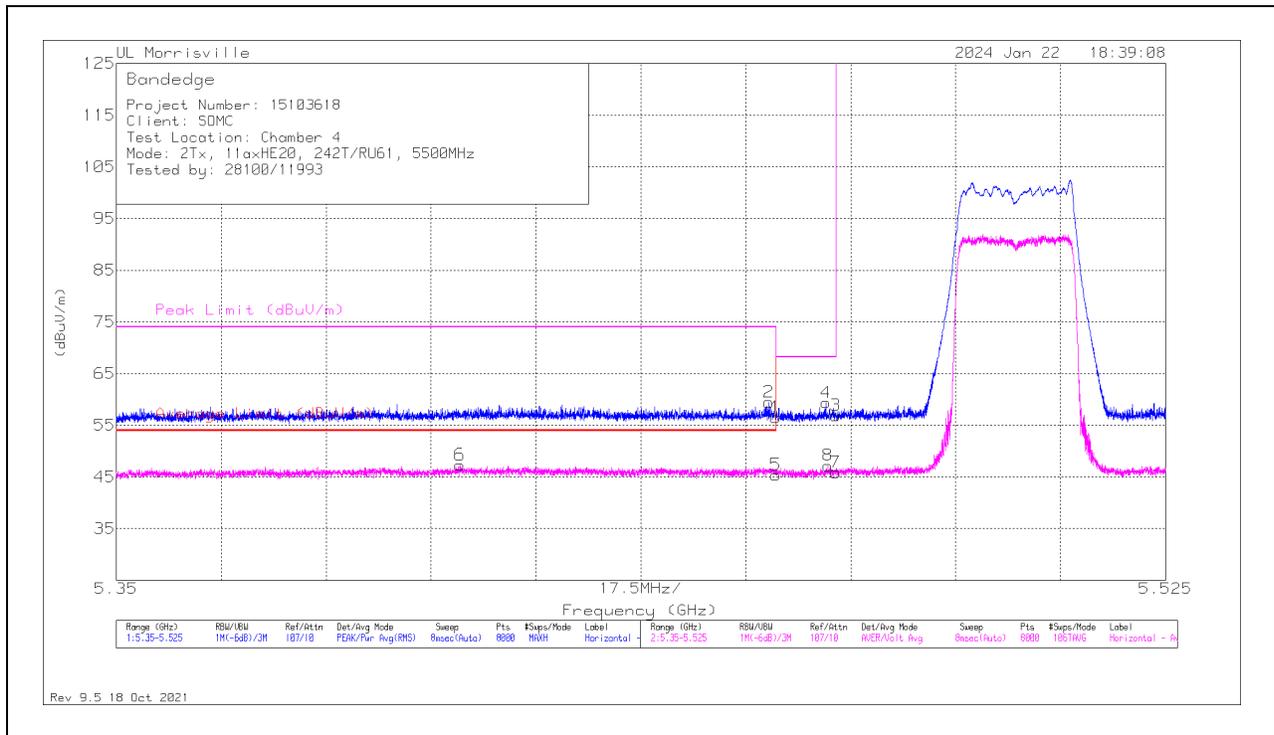
Pk - Peak detector

PK-U - Maximum Peak

ADV - Linear Voltage Average

**2TX CEE MODE: 242T**  
**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	* ** 5.45998	30.85	Pk	34.6	-8.9	0	56.55	-	-	74	-17.45	277	118	H
2	* ** 5.45882	33.55	Pk	34.6	-8.7	0	59.45	-	-	74	-14.55	277	118	H
5	* ** 5.45998	19.11	ADV	34.6	-8.9	0.51	45.32	54	-8.68	-	-	277	118	H
6	* ** 5.40732	20.95	ADV	34.6	-8.8	0.51	47.26	54	-6.74	-	-	277	118	H
4	5.46834	33.77	Pk	34.6	-9	0	59.37	-	-	-	-	277	118	H
8	5.46871	20.95	ADV	34.6	-8.9	0.51	47.16	-	-	-	-	277	118	H
3	5.46998	31.11	Pk	34.6	-8.8	0	56.91	-	-	-	-	277	118	H
7	5.46998	19.54	ADV	34.6	-8.8	0.51	45.85	-	-	-	-	277	118	H

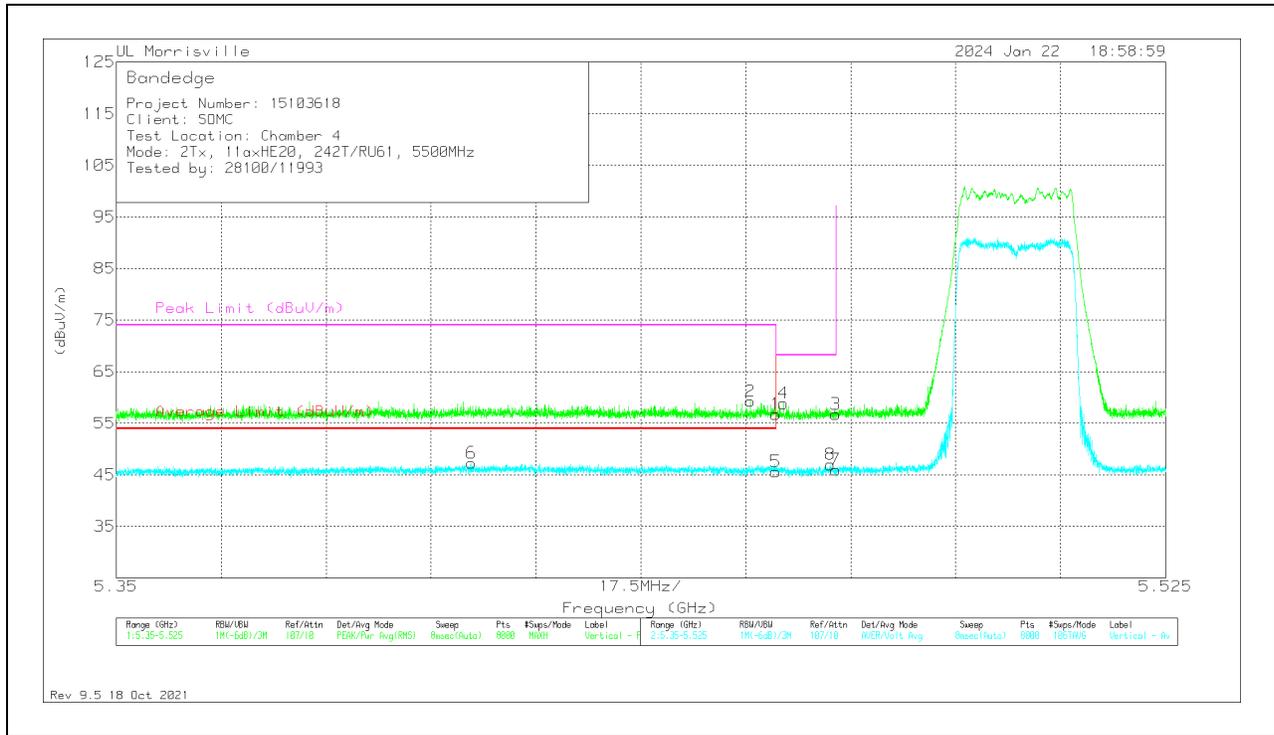
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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

Pk - Peak detector

ADV - Linear Voltage Average

**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	*** 5.45998	31.07	Pk	34.6	-8.9	0	56.77	-	-	74	-17.23	275	109	V
2	*** 5.45576	33.64	Pk	34.6	-9	0	59.24	-	-	74	-14.76	275	109	V
5	** 5.45998	19.31	ADV	34.6	-8.9	0.51	45.52	54	-8.48	-	-	275	109	V
6	*** 5.40927	20.91	ADV	34.6	-8.8	0.51	47.22	54	-6.78	-	-	275	109	V
4	5.46129	33.35	Pk	34.6	-9.1	0	58.85	-	-	-	-	275	109	V
8	5.46908	20.72	ADV	34.6	-8.9	0.51	46.93	-	-	-	-	275	109	V
3	5.46998	30.92	Pk	34.6	-8.8	0	56.72	-	-	-	-	275	109	V
7	5.46998	19.63	ADV	34.6	-8.8	0.51	45.94	-	-	-	-	275	109	V

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

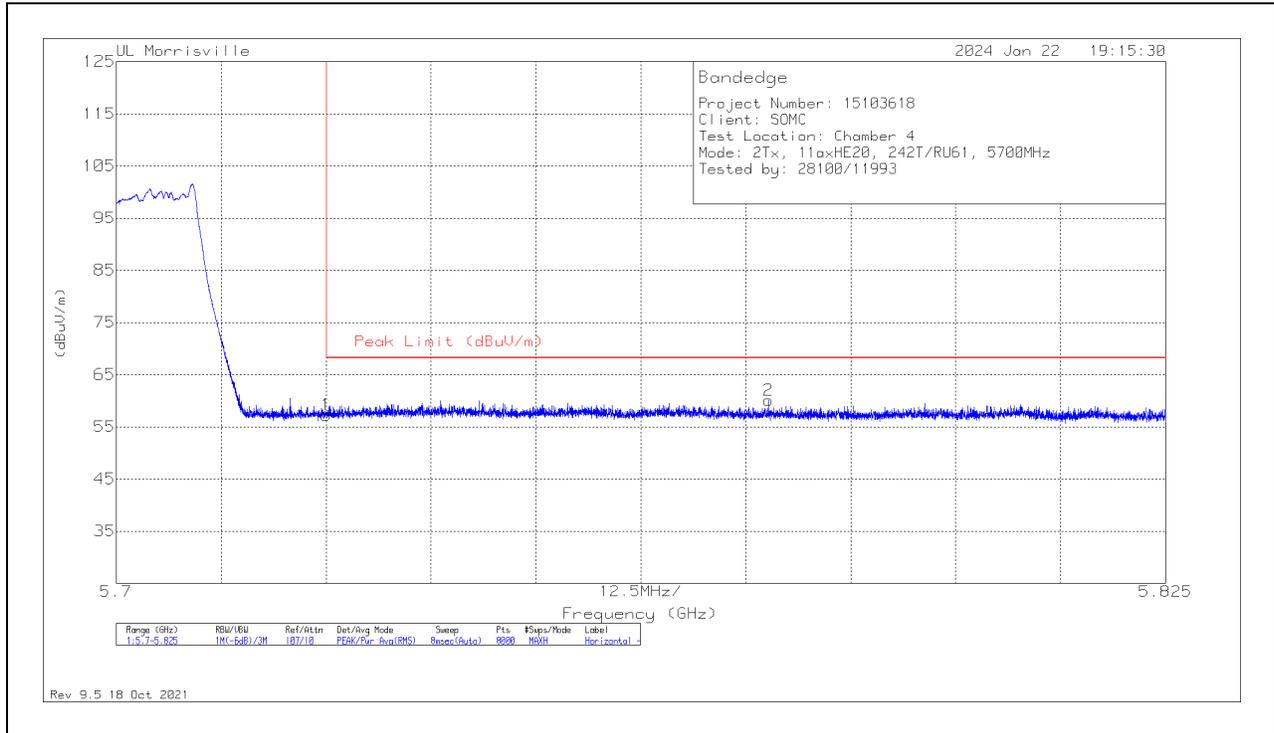
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

**BANDEDGE (HIGH CHANNEL)**

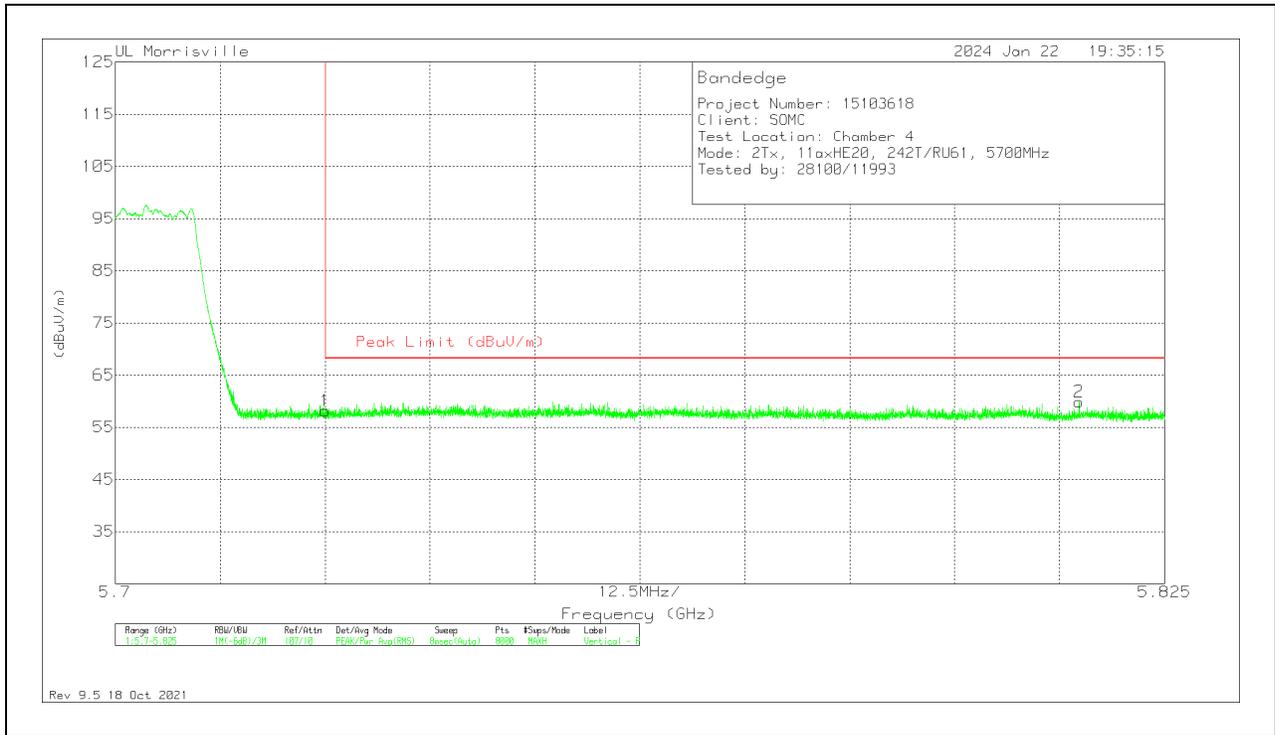
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	31.29	Pk	34.7	-8.7	57.29	68.2	-10.91	275	104	H
2	5.77768	33.68	Pk	34.7	-8.3	60.08	68.2	-8.12	275	104	H

Pk - Peak detector

**VERTICAL RESULT**

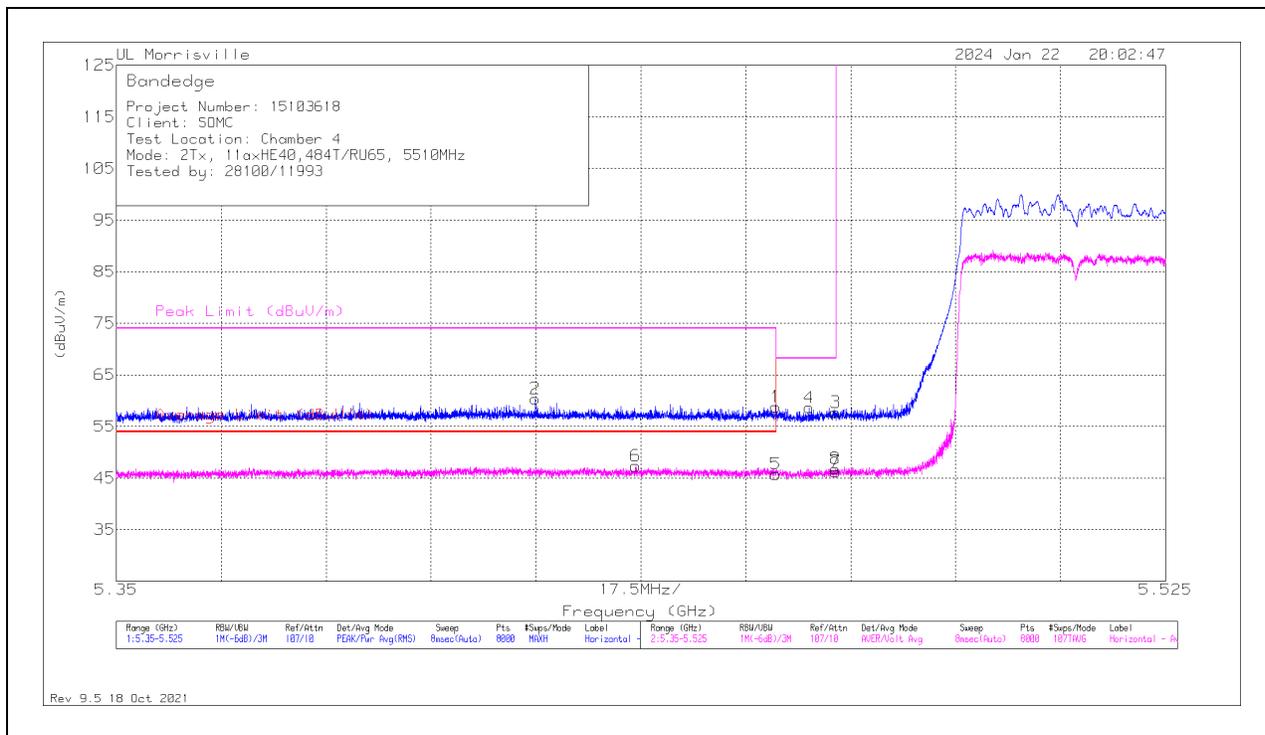


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	32.15	Pk	34.7	-8.7	58.15	68.2	-10.05	272	101	V
2	5.81481	33.66	Pk	34.7	-8.5	59.86	68.2	-8.34	272	101	V

Pk - Peak detector

**10.1.10. TX ABOVE 1 GHz 802.11ax HE40 MODE IN THE 5.6GHz BAND**  
**2TX CDD MODE: 484T**  
**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	* ** 5.45998	33.07	Pk	34.6	-8.9	0	58.77	-	-	74	-15.23	279	108	H
2	* ** 5.41986	34.65	Pk	34.6	-8.9	0	60.35	-	-	74	-13.65	279	108	H
5	* ** 5.45998	19.45	ADV	34.6	-8.9	0.59	45.74	54	-8.26	-	-	279	108	H
6	* ** 5.43662	21.12	ADV	34.6	-9	0.59	47.31	54	-6.69	-	-	279	108	H
4	5.46554	33.24	Pk	34.6	-9.2	0	58.64	-	-	-	-	279	108	H
8	5.46996	20.37	ADV	34.6	-8.8	0.59	46.76	-	-	-	-	279	108	H
3	5.46998	31.92	Pk	34.6	-8.8	0	57.72	-	-	-	-	279	108	H
7	5.46998	19.74	ADV	34.6	-8.8	0.59	46.13	-	-	-	-	279	108	H

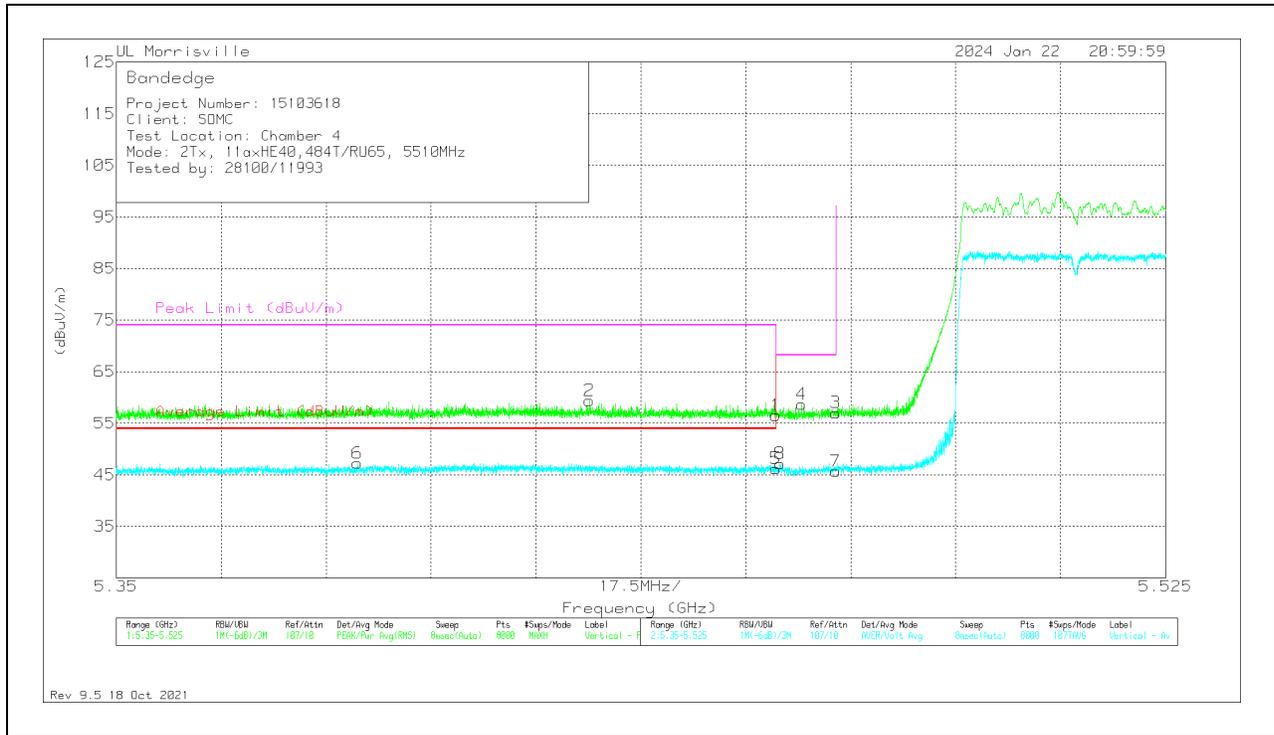
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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

Pk - Peak detector

ADV - Linear Voltage Average

**VERTICAL RESULT**

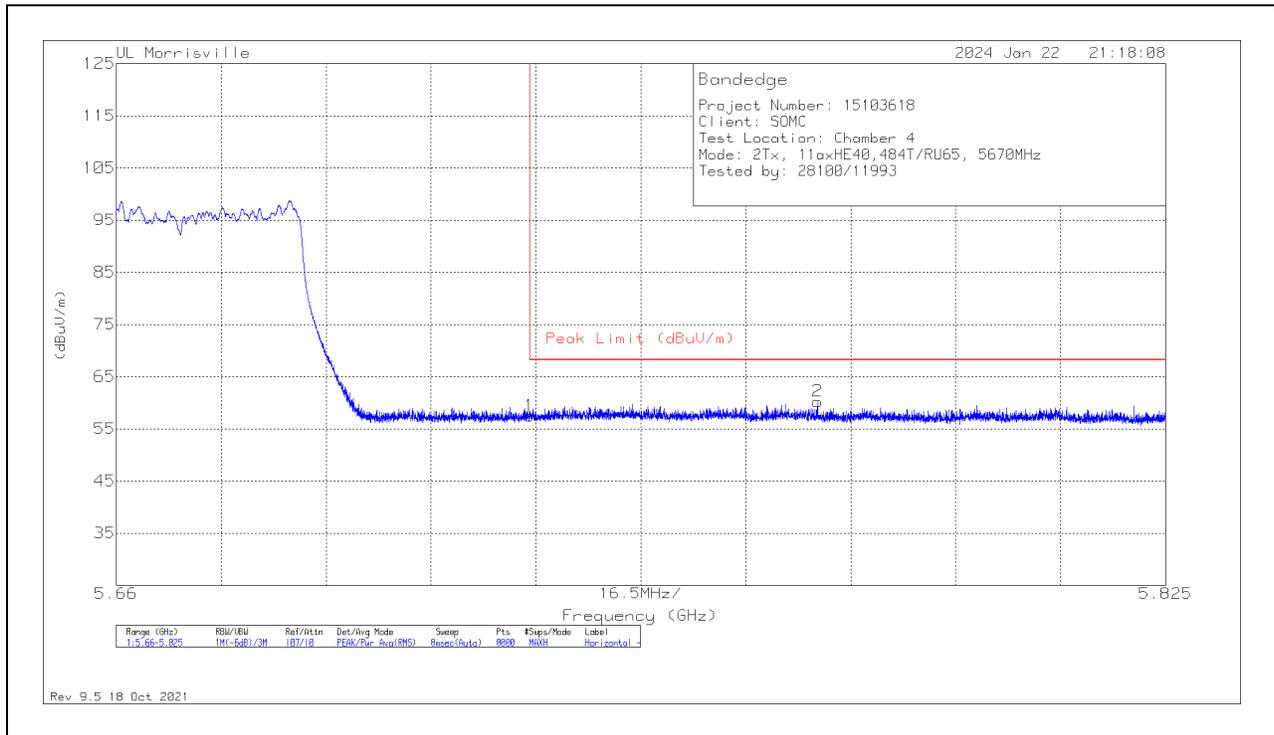


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 5.45998	30.87	Pk	34.6	-8.9	0	56.57	-	-	74	-17.43	277	104	V
2	*** 5.42891	33.58	Pk	34.6	-8.8	0	59.38	-	-	74	-14.62	277	104	V
5	** 5.45998	19.85	ADV	34.6	-8.9	0.59	46.14	54	-7.86	-	-	277	104	V
6	*** 5.39023	21.12	ADV	34.6	-9.1	0.59	47.21	54	-6.79	-	-	277	104	V
8	5.4607	20.92	ADV	34.6	-9	0.59	47.16	-	-	-	-	277	104	V
4	5.46429	33.25	Pk	34.6	-9.2	0	58.65	-	-	-	-	277	104	V
3	5.46998	31.22	Pk	34.6	-8.8	0	57.02	-	-	-	-	277	104	V
7	5.46998	19.24	ADV	34.6	-8.8	0.59	45.68	-	-	-	-	277	104	V

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

**BANDEDGE (HIGH CHANNEL)**

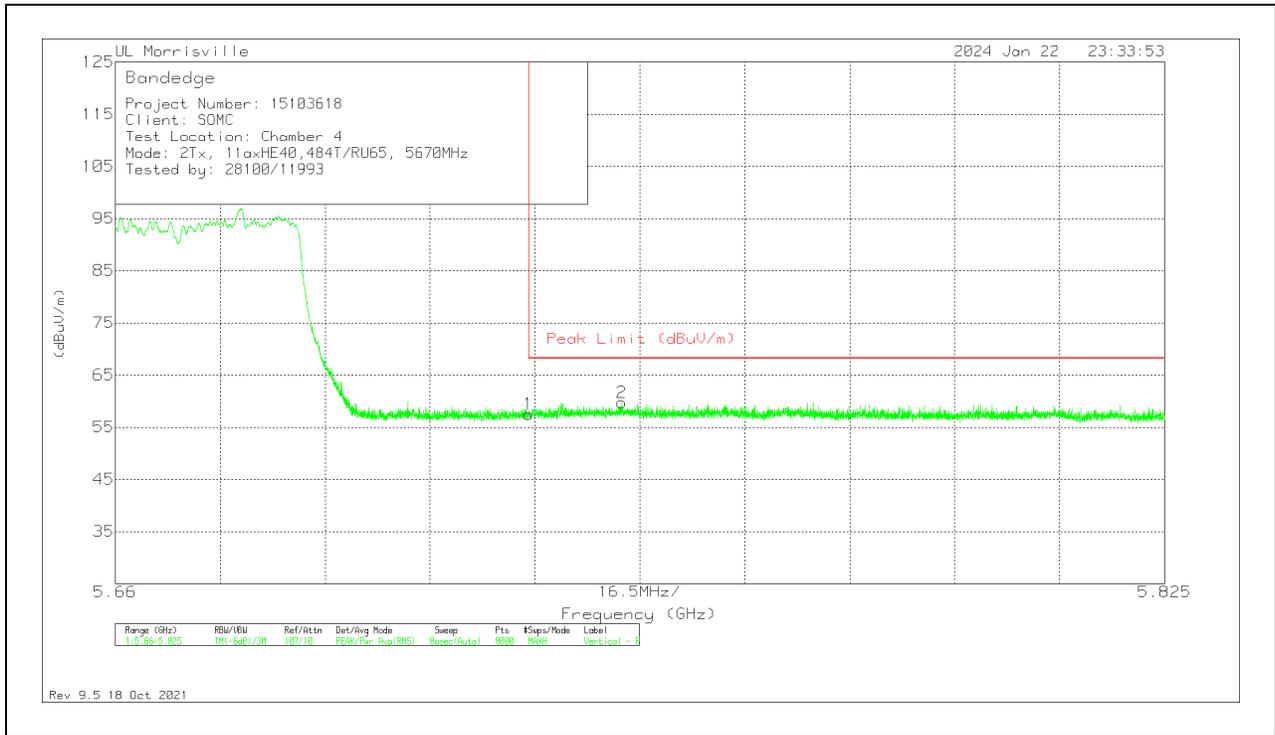
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72502	31.48	Pk	34.7	-8.7	57.48	68.2	-10.72	277	106	H
2	5.77028	33.96	Pk	34.7	-8.4	60.26	68.2	-7.94	277	106	H

Pk - Peak detector

**VERTICAL RESULT**

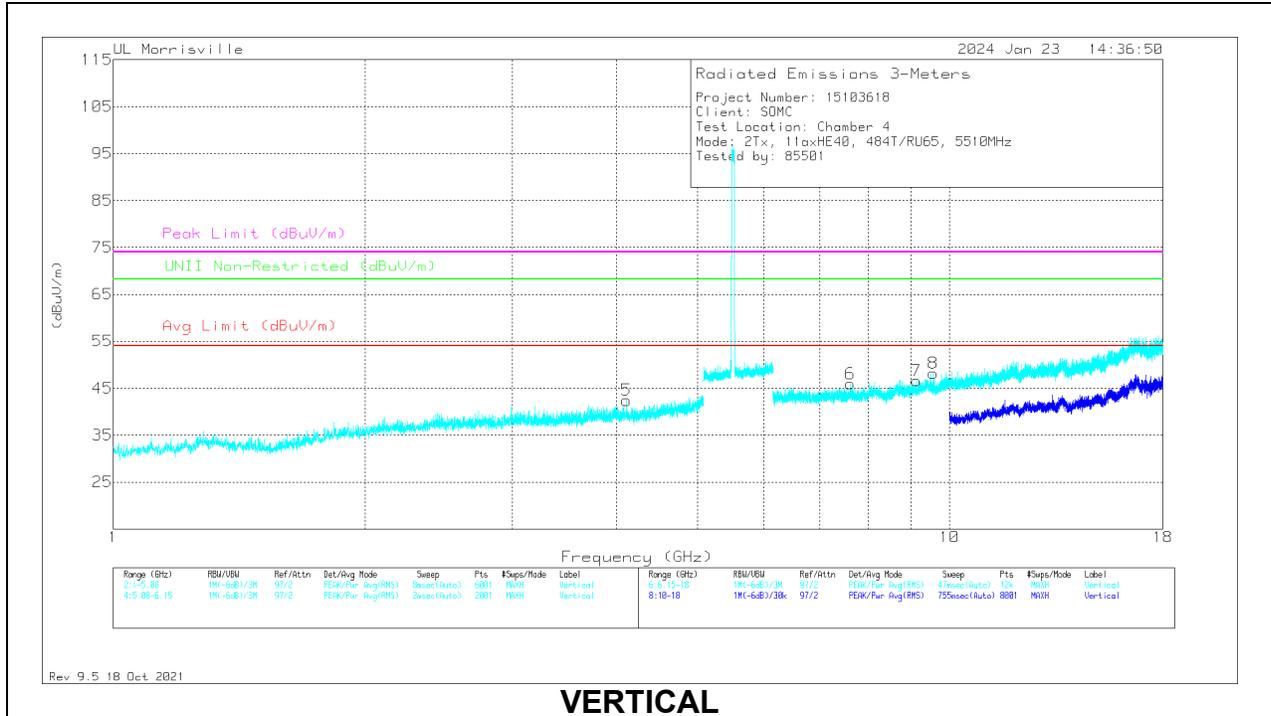
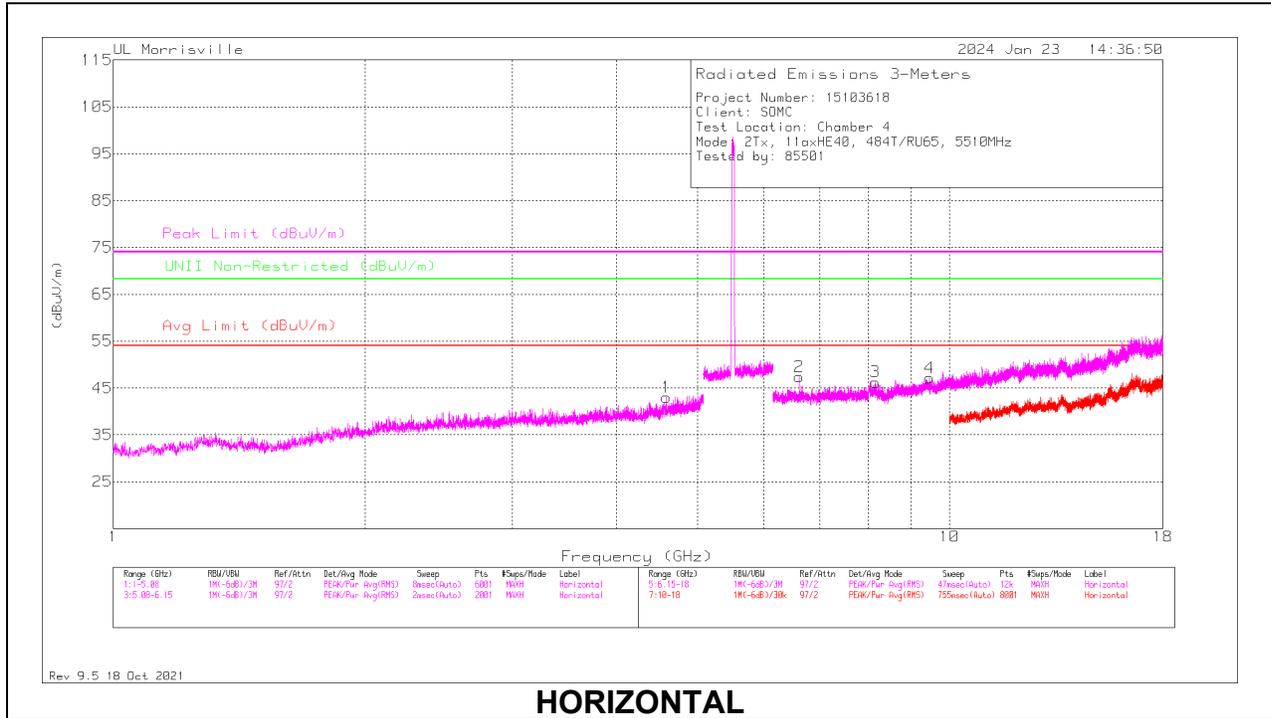


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72502	31.46	Pk	34.7	-8.7	57.46	68.2	-10.74	258	118	V
2	5.73967	33.21	Pk	34.7	-8.2	59.71	68.2	-8.49	258	118	V

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)	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	* ** 4.58496	39.98	Pk	34	-31	42.98	54	-11.02	74	-31.02	-	-	0-360	100	H
5	* ** 4.11168	40.62	Pk	33.4	-31.6	42.42	54	-11.58	74	-31.58	-	-	0-360	200	V
3	* ** 8.14771	37.57	Pk	35.8	-27.1	46.27	54	-7.73	74	-27.73	-	-	0-360	100	H
4	* ** 9.46405	36.06	Pk	36.7	-25.6	47.16	54	-6.84	74	-26.84	-	-	0-360	100	H
6	* ** 7.60953	37.43	Pk	35.7	-27.2	45.93	54	-8.07	74	-28.07	-	-	0-360	200	V
7	* ** 9.13225	35.86	Pk	36.3	-25.5	46.66	54	-7.34	74	-27.34	-	-	0-360	200	V
2	6.61116	40.65	Pk	35.5	-28.7	47.45	-	-	-	-	68.2	-20.75	0-360	100	H
8	9.57044	36.45	PK-U	36.7	-25.6	47.55	-	-	-	-	68.2	-20.65	135	131	V

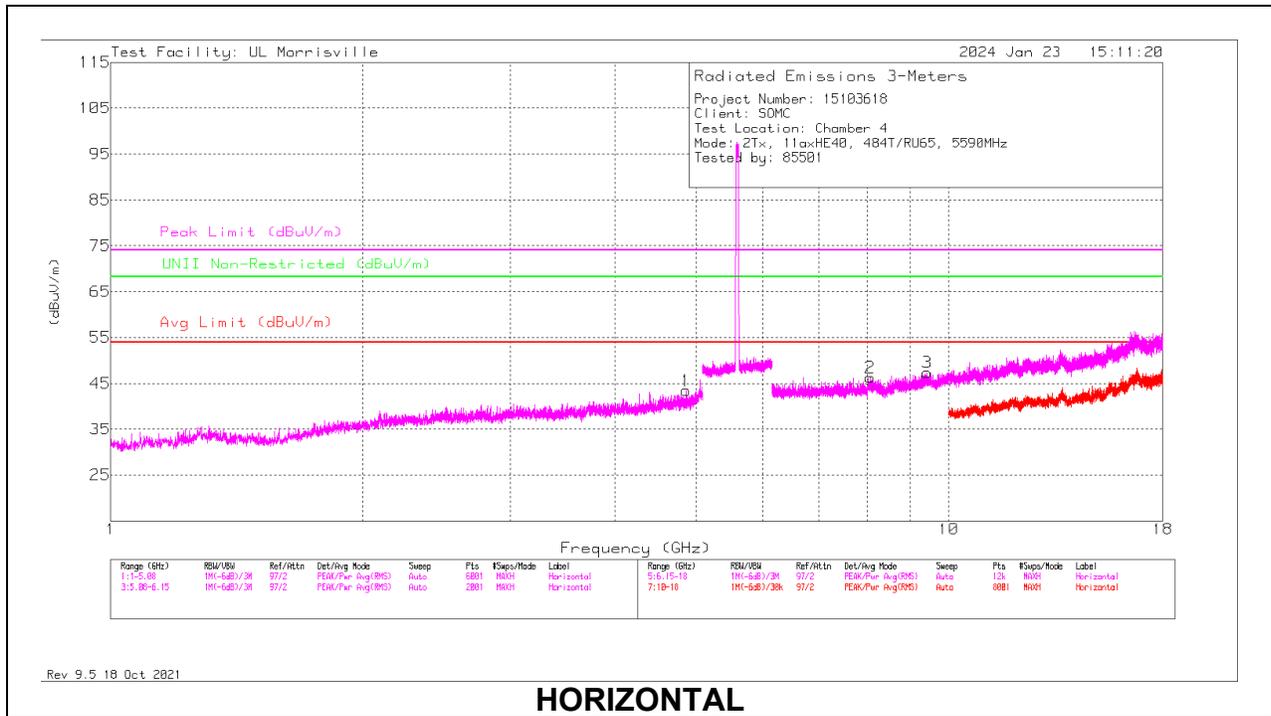
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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

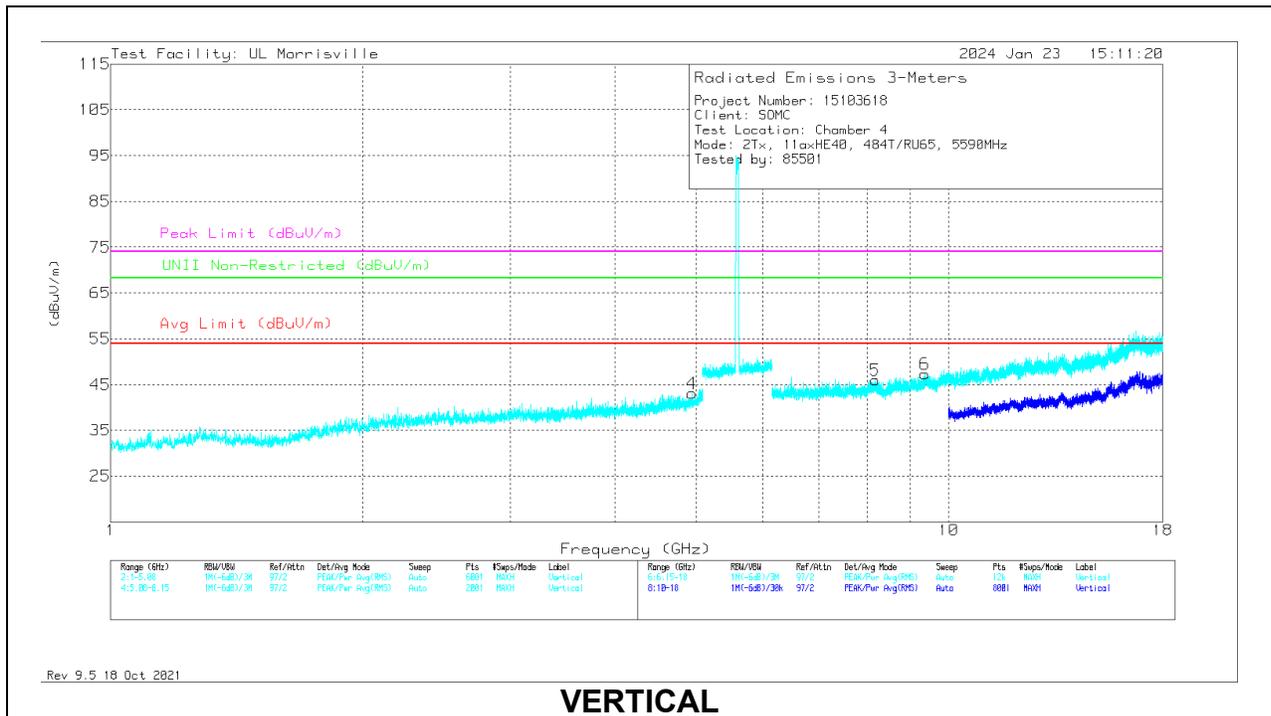
Pk - Peak detector

PK-U - Maximum Peak

### MID CHANNEL RESULTS



### HORIZONTAL



### VERTICAL

**RADIATED EMISSIONS**

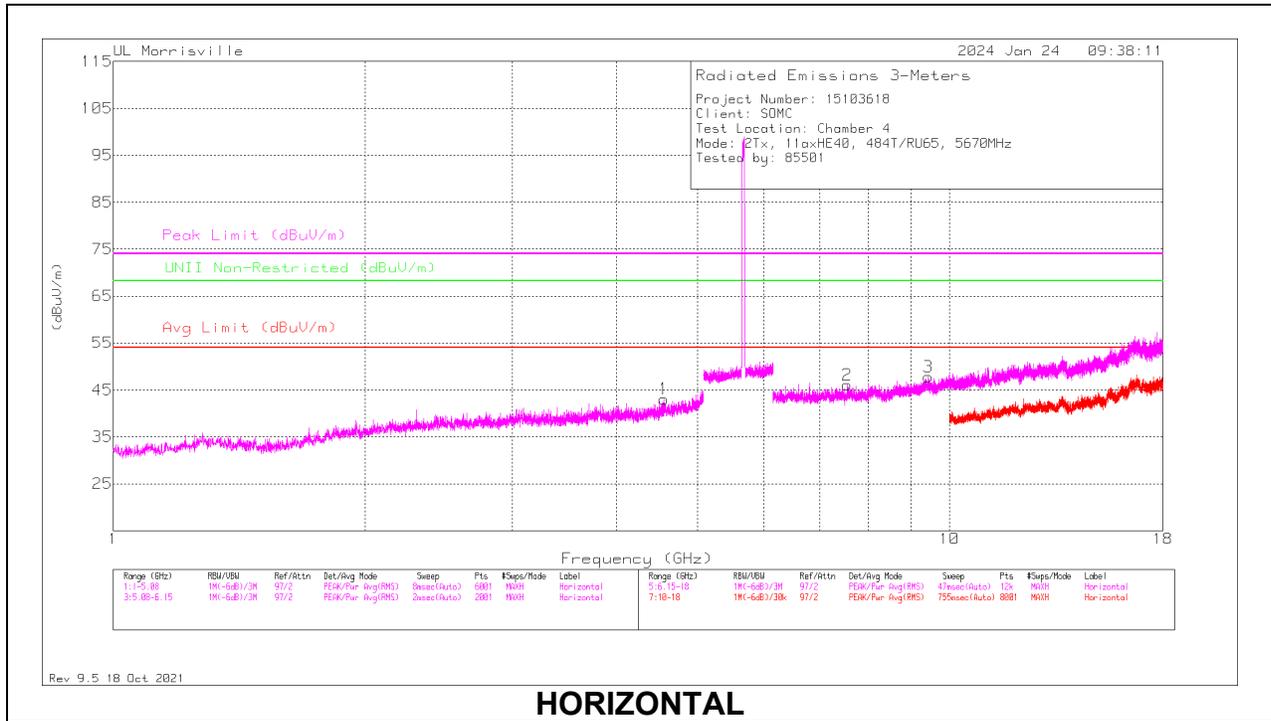
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 4.85968	40.5	Pk	34.1	-31.2	43.4	54	-10.6	74	-30.6	-	-	0-360	100	H
4	*** 4.94128	39.54	Pk	33.9	-30.4	43.04	54	-10.96	74	-30.96	-	-	0-360	200	V
2	*** 8.05686	38.07	Pk	35.8	-27.6	46.27	54	-7.73	74	-27.73	-	-	0-360	100	H
3	*** 9.41764	35.95	Pk	36.6	-25.2	47.35	54	-6.65	74	-26.65	-	-	0-360	100	H
5	*** 8.1724	37.16	Pk	35.8	-27	45.96	54	-8.04	74	-28.04	-	-	0-360	200	V
6	*** 9.36135	36.09	Pk	36.5	-25.3	47.29	54	-6.71	74	-26.71	-	-	0-360	200	V

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

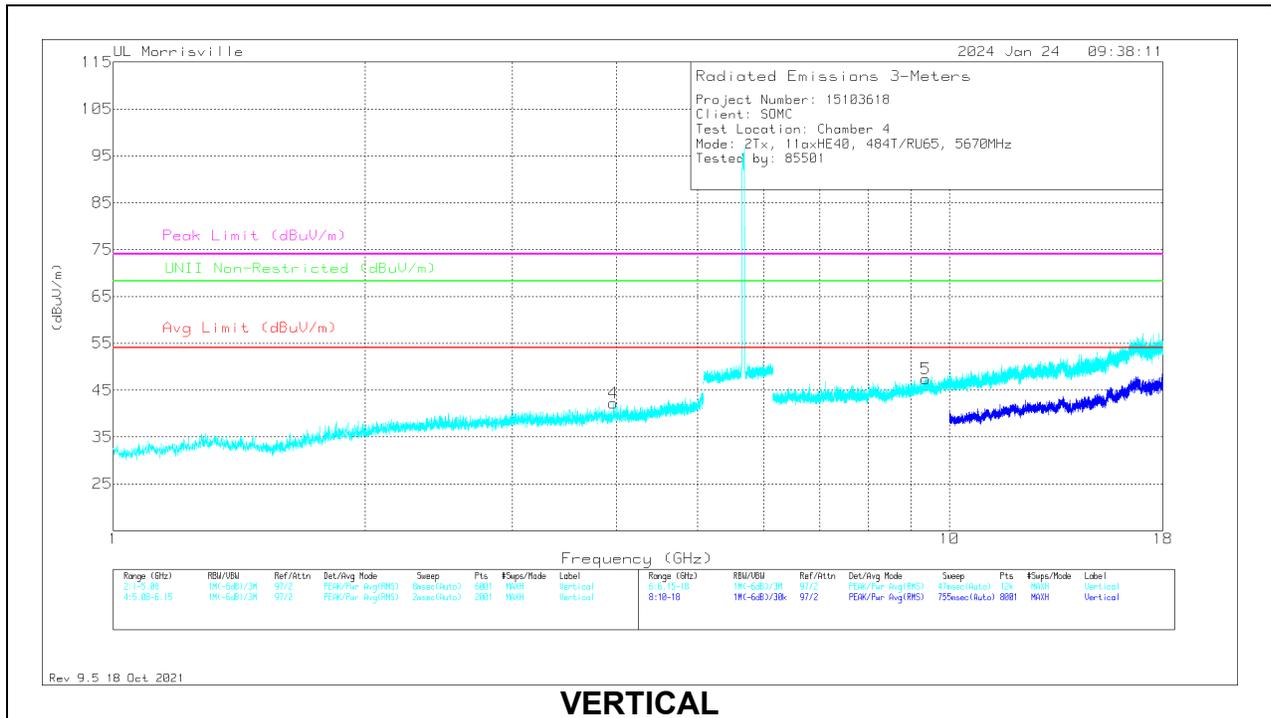
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

### HIGH CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (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	*** 4.55912	40.38	Pk	33.9	-31.2	43.08	54	-10.92	74	-30.92	-	-	0-360	100	H
4	*** 3.96344	41.37	Pk	33.4	-32.5	42.27	54	-11.73	74	-31.73	-	-	0-360	200	V
2	*** 7.5483	38.07	Pk	35.7	-27.7	46.07	54	-7.93	74	-27.93	-	-	0-360	100	H
3	*** 9.4364	36.56	Pk	36.7	-25.5	47.76	54	-6.24	74	-26.24	-	-	0-360	100	H
5	*** 9.3732	36.41	Pk	36.5	-25.5	47.41	54	-6.59	74	-26.59	-	-	0-360	200	V

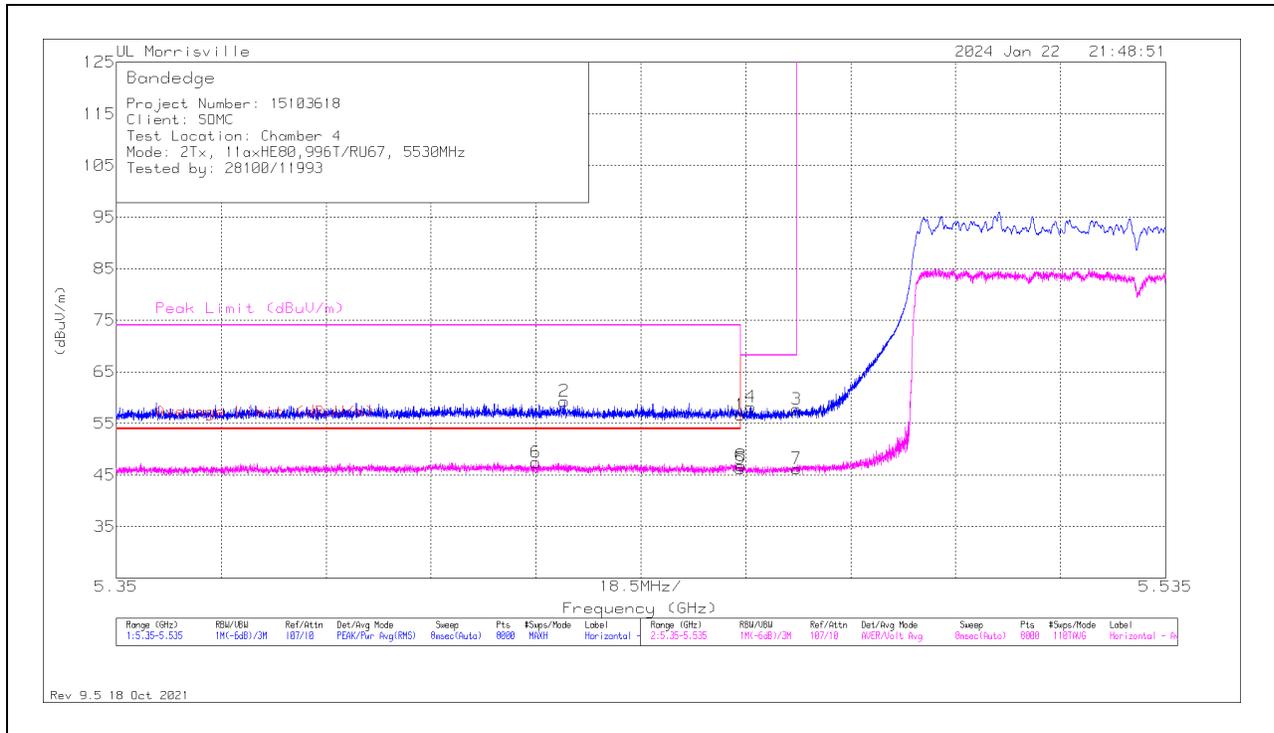
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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

Pk - Peak detector

**10.1.11. TX ABOVE 1 GHz 802.11ax HE80 MODE IN THE 5.6GHz BAND**  
**2TX CDD MODE: 996T**  
**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	*** 5.46	30.98	Pk	34.6	-8.9	0	56.68	-	-	74	-17.32	279	110	H
2	*** 5.42901	33.5	Pk	34.6	-8.8	0	59.3	-	-	74	-14.7	279	110	H
5	*** 5.46	19.68	ADV	34.6	-8.9	.83	46.21	54	-7.79	-	-	279	110	H
6	*** 5.42401	21.06	ADV	34.6	-9	.83	47.49	54	-6.51	-	-	279	110	H
8	5.46018	20.29	ADV	34.6	-8.9	.83	46.82	-	-	-	-	279	110	H
4	5.46185	32.81	Pk	34.6	-9.2	0	58.21	-	-	-	-	279	110	H
3	5.46999	31.97	Pk	34.6	-8.8	0	57.77	-	-	-	-	279	110	H
7	5.46999	19.6	ADV	34.6	-8.8	.83	46.23	-	-	-	-	279	110	H

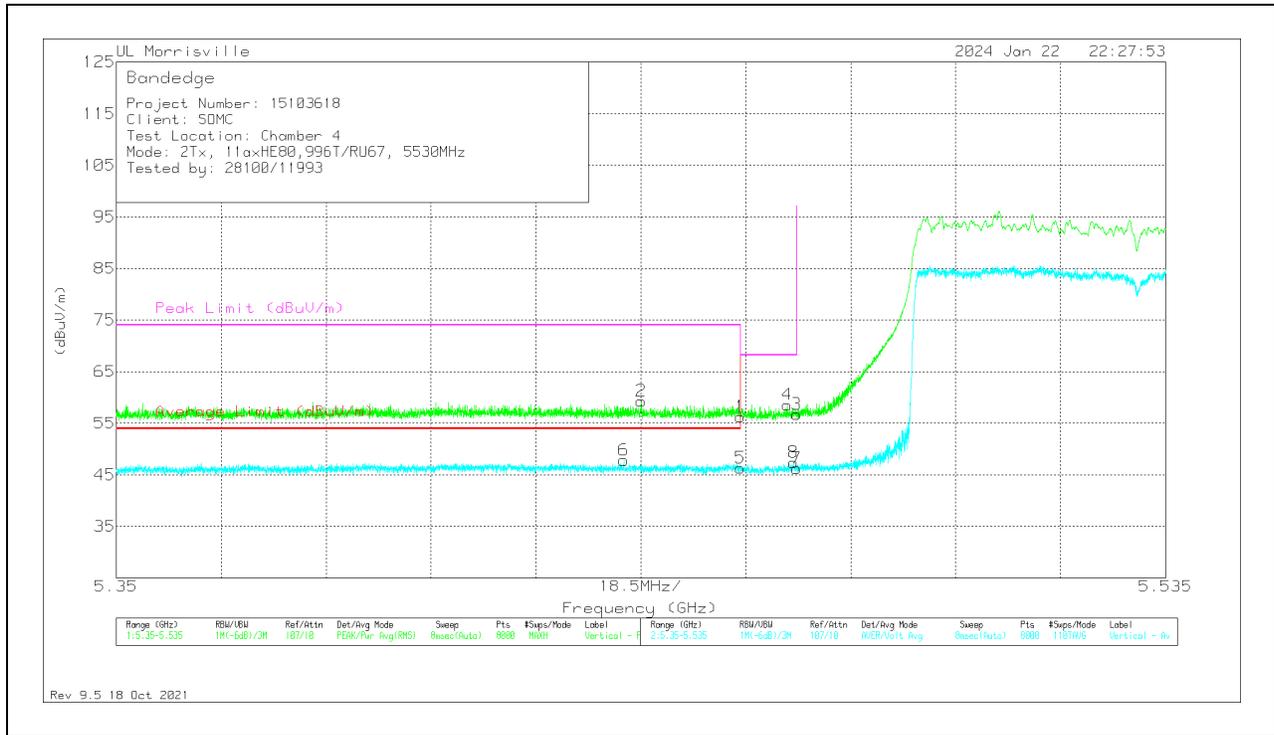
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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

Pk - Peak detector

ADV - Linear Voltage Average

**VERTICAL RESULT**

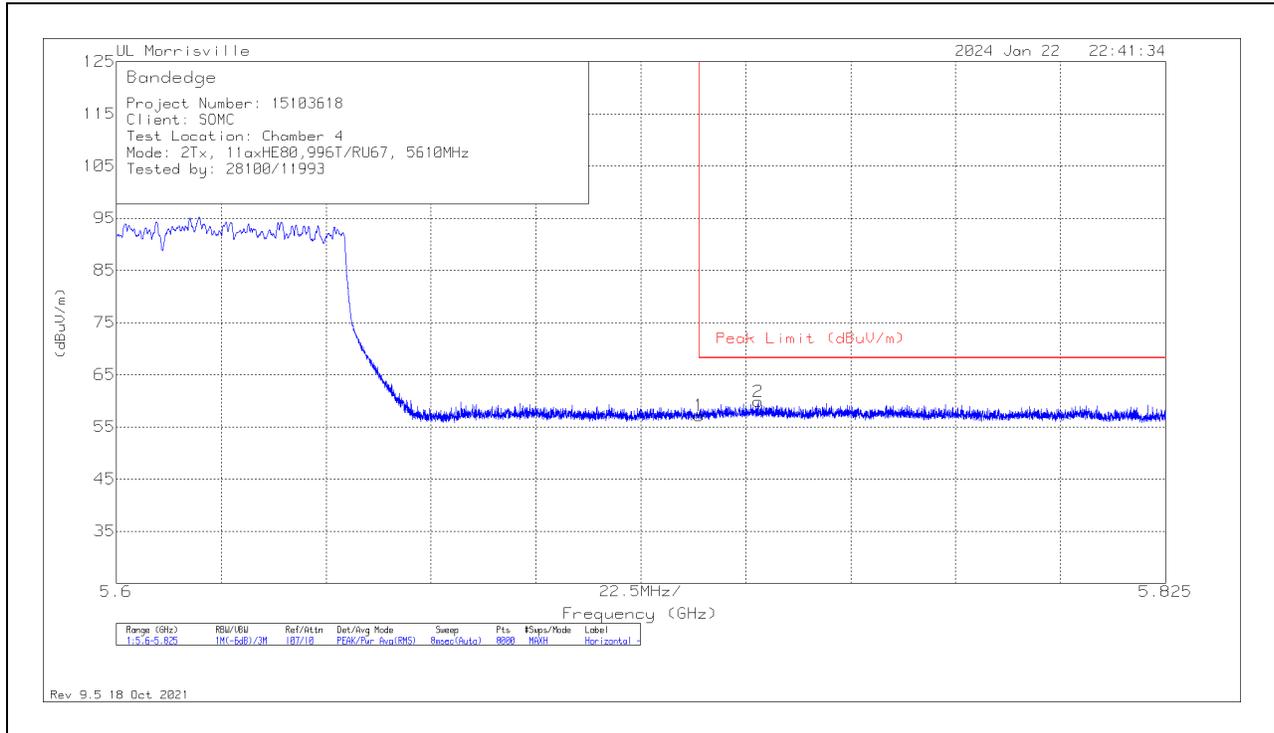


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 5.46	30.54	Pk	34.6	-8.9	0	56.24	-	-	74	-17.76	279	102	V
2	*** 5.44256	33.58	Pk	34.6	-8.9	0	59.28	-	-	74	-14.72	279	102	V
5	*** 5.46	19.82	ADV	34.6	-8.9	.83	46.35	54	-7.65	-	-	279	102	V
6	*** 5.43948	21.32	ADV	34.6	-8.9	.83	47.85	54	-6.15	-	-	279	102	V
4	5.4683	33	Pk	34.6	-9	0	58.6	-	-	-	-	279	102	V
8	5.46941	20.86	ADV	34.6	-8.9	.83	47.39	-	-	-	-	279	102	V
3	5.46999	30.91	Pk	34.6	-8.8	0	56.71	-	-	-	-	279	102	V
7	5.46999	19.62	ADV	34.6	-8.8	.83	46.25	-	-	-	-	279	102	V

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

**BANDEDGE (HIGH CHANNEL)**

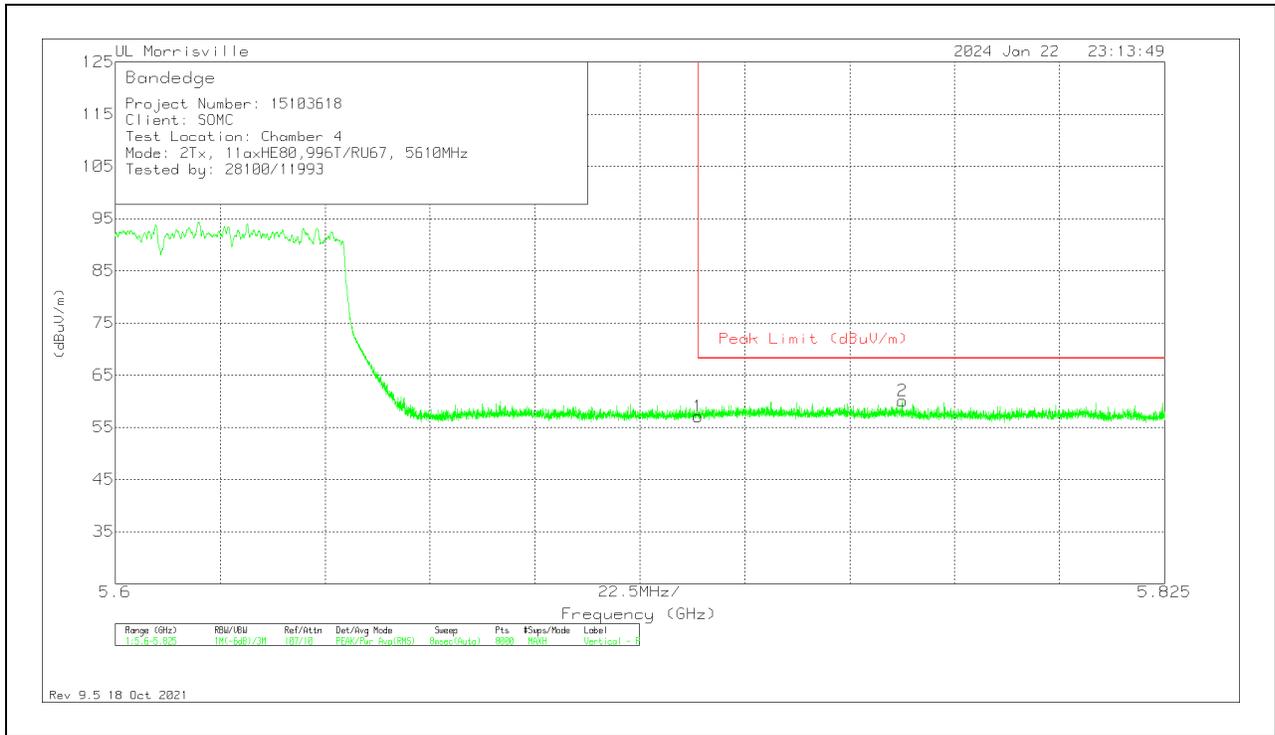
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72501	31.11	Pk	34.7	-8.7	57.11	68.2	-11.09	279	102	H
2	5.73766	33.43	Pk	34.7	-8.3	59.83	68.2	-8.37	279	102	H

Pk - Peak detector

**VERTICAL RESULT**

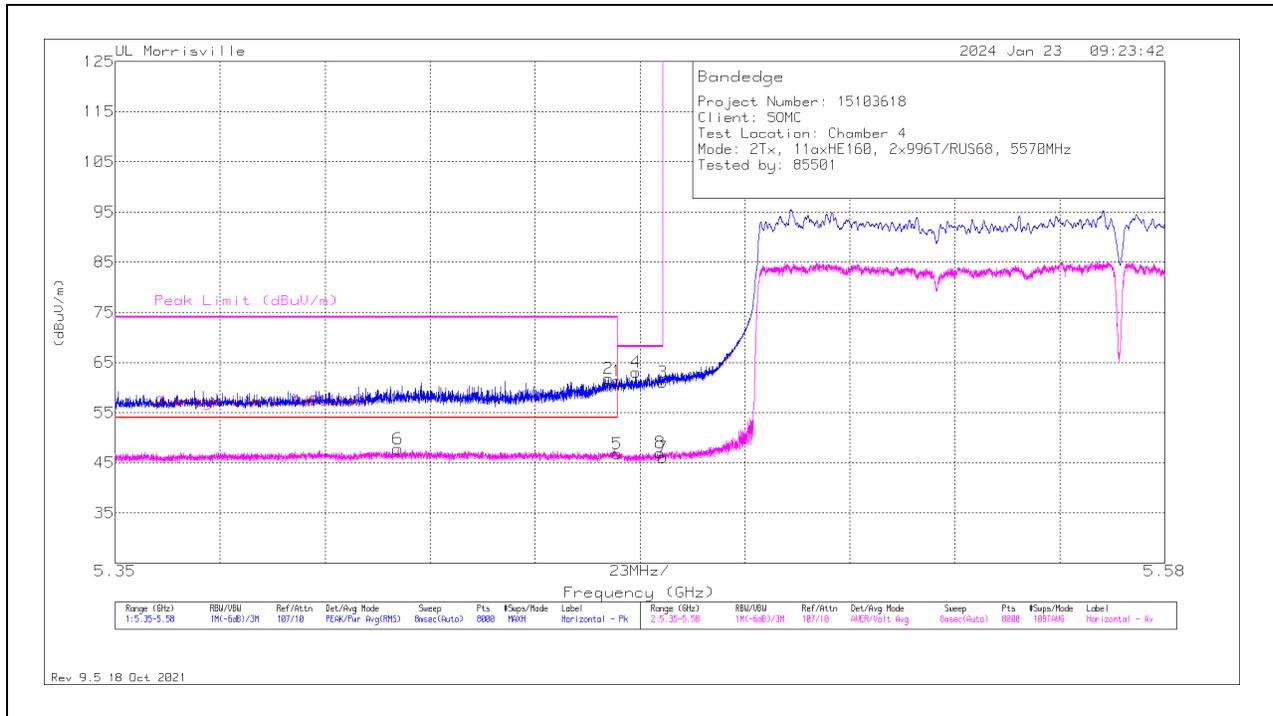


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72501	31.07	Pk	34.7	-8.7	57.07	68.2	-11.13	277	110	V
2	5.76877	33.66	Pk	34.7	-8.3	60.06	68.2	-8.14	277	110	V

Pk - Peak detector

**10.1.12. TX ABOVE 1 GHz 802.11ax HE160 MODE IN THE 5.6GHz BAND**  
**2TX CDD MODE: 2x996T**  
**BANDEDGE (LOW CHANNEL)**

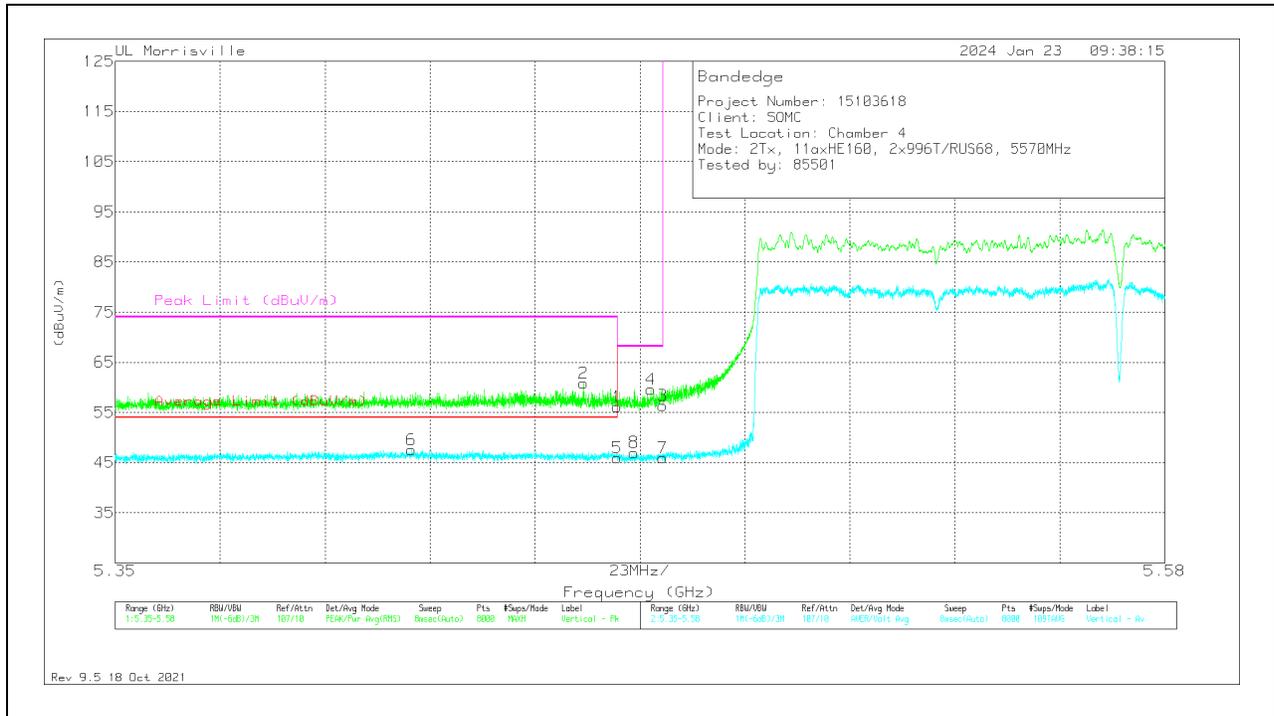
**HORIZONTAL RESULT**



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	*** 5.45998	35.59	Pk	34.6	-8.9	0	61.29	-	-	74	-12.71	276	107	H
2	*** 5.45806	36.03	Pk	34.6	-8.8	0	61.83	-	-	74	-12.17	276	107	H
5	*** 5.45998	20.34	ADV	34.6	-8.9	0.79	46.83	54	-7.17	-	-	276	107	H
6	*** 5.41196	21.25	ADV	34.6	-8.9	.8	47.74	54	-6.26	-	-	276	107	H
4	5.46404	37.63	Pk	34.6	-9.2	0	63.03	-	-	-	-	276	107	H
8	5.46944	20.5	ADV	34.6	-8.9	0.79	46.99	-	-	-	-	276	107	H
3	5.46999	35.31	Pk	34.6	-8.8	0	61.11	-	-	-	-	276	107	H
7	5.46999	19.44	ADV	34.6	-8.8	0.79	46.03	-	-	-	-	276	107	H

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

**VERTICAL RESULT**

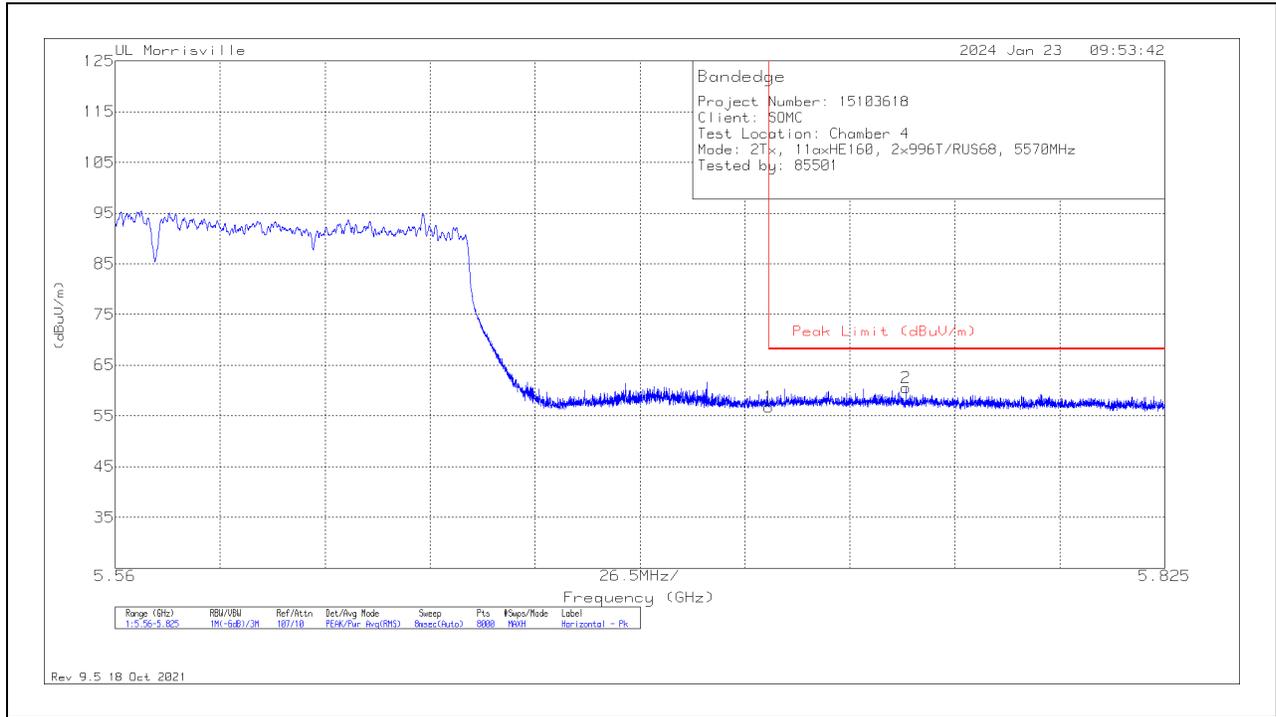


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 5.45998	30.47	Pk	34.6	-8.9	0	56.17	-	-	74	-17.83	268	104	V
2	*** 5.45268	35.29	Pk	34.6	-9.1	0	60.79	-	-	74	-13.21	268	104	V
5	*** 5.45998	19.4	ADV	34.6	-8.9	0.79	45.89	54	-8.11	-	-	268	104	V
6	*** 5.41487	20.95	ADV	34.6	-8.8	0.79	47.54	54	-6.46	-	-	268	104	V
8	5.46366	20.9	ADV	34.6	-9.3	0.79	46.99	-	-	-	-	268	104	V
4	5.46732	34.14	Pk	34.6	-9.1	0	59.64	-	-	-	-	268	104	V
3	5.46999	30.53	Pk	34.6	-8.8	0	56.33	-	-	-	-	268	104	V
7	5.46999	19.31	ADV	34.6	-8.8	0.79	45.90	-	-	-	-	268	104	V

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

**BANDEDGE (HIGH CHANNEL)**

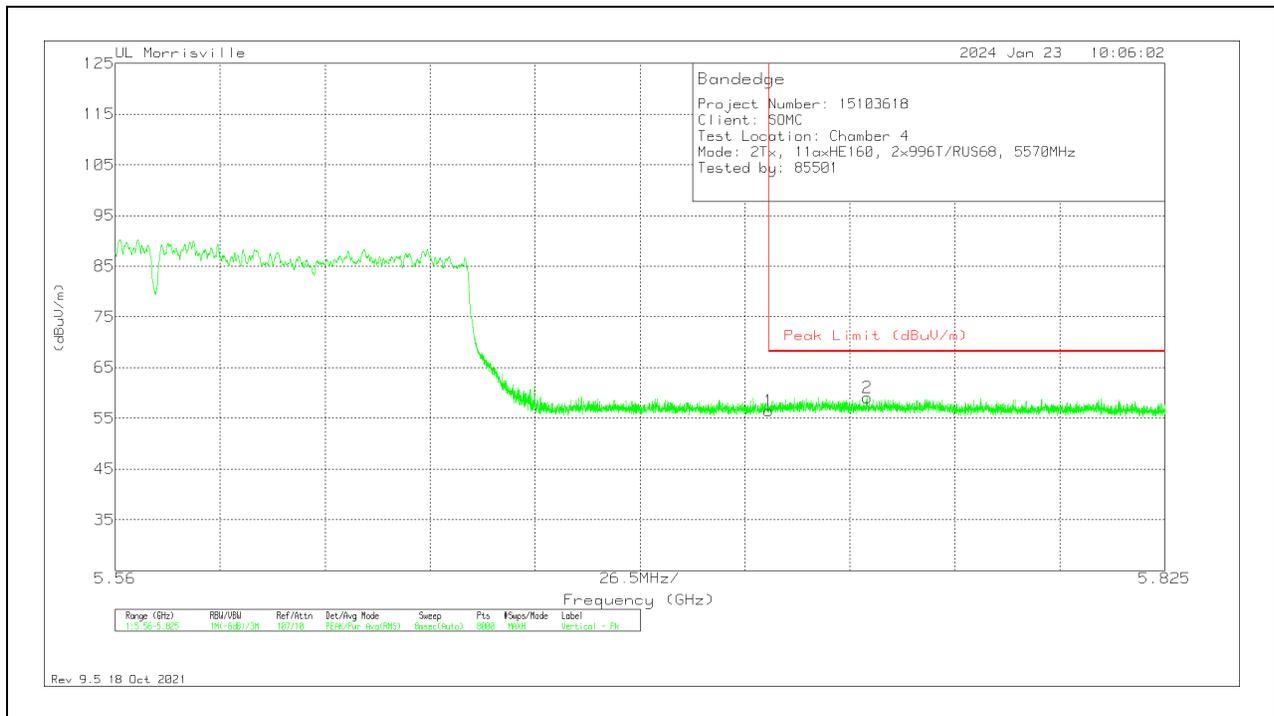
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72502	30.74	Pk	34.7	-8.7	56.74	68.2	-11.46	279	131	H
2	5.75967	34.35	Pk	34.7	-8.5	60.55	68.2	-7.65	279	131	H

Pk - Peak detector

**VERTICAL RESULT**

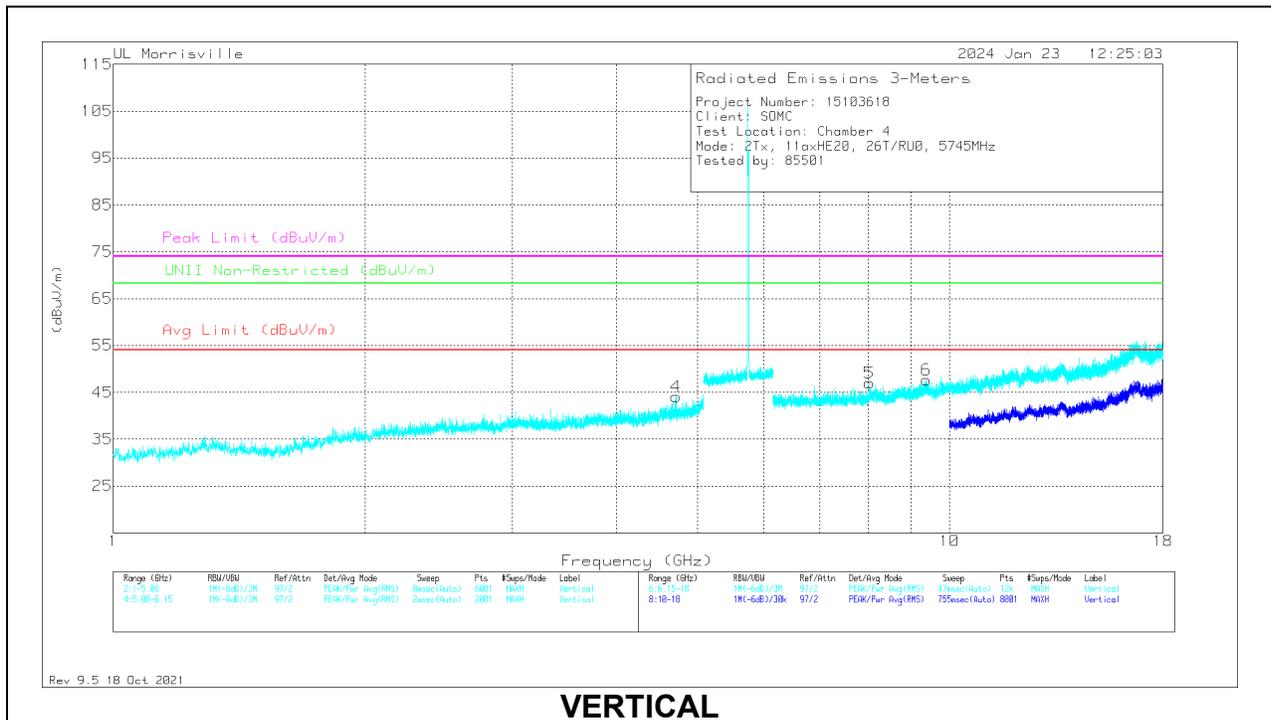
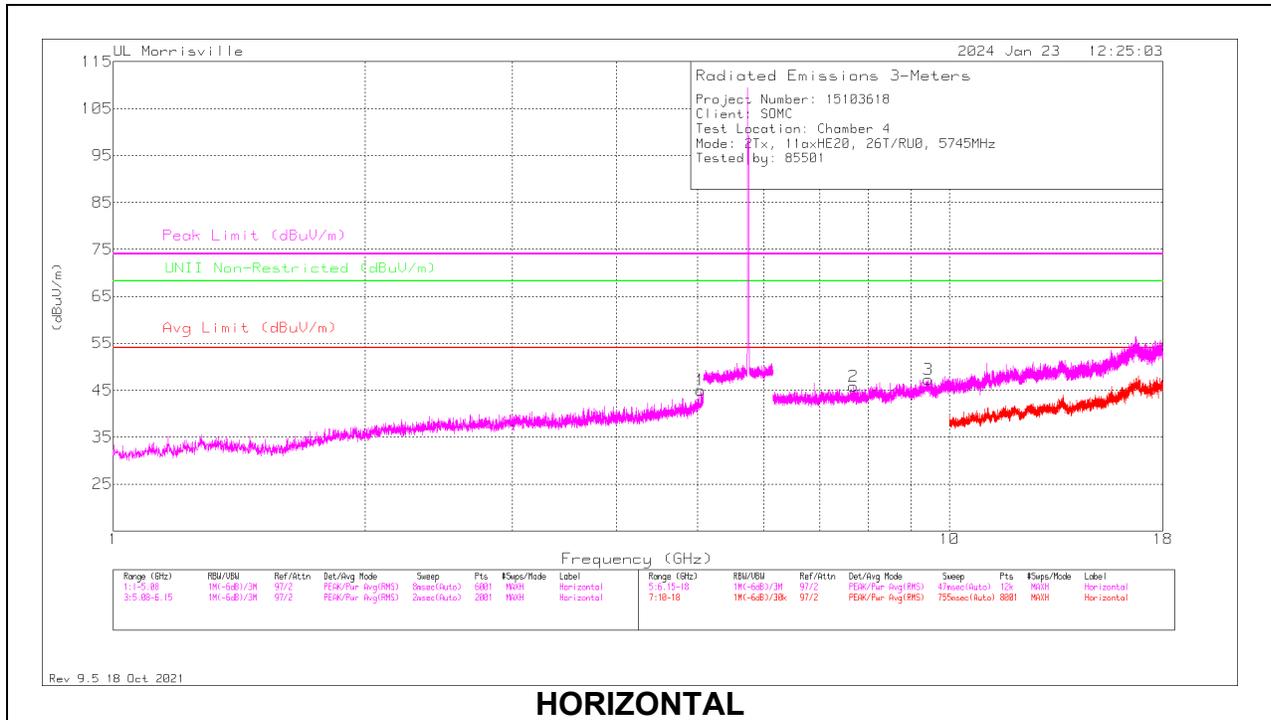


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72502	30.55	Pk	34.7	-8.7	56.55	68.2	-11.65	205	125	V
2	5.7499	32.9	Pk	34.7	-8.5	59.1	68.2	-9.1	205	125	V

Pk - Peak detector

**10.1.13. TX ABOVE 1 GHz 802.11ax HE20 MODE IN THE 5.8GHz BAND**  
**2TX CDD MODE: 26T**  
**HARMONICS AND SPURIOUS EMISSIONS**

**LOW CHANNEL RESULTS**



**RADIATED EMISSIONS**

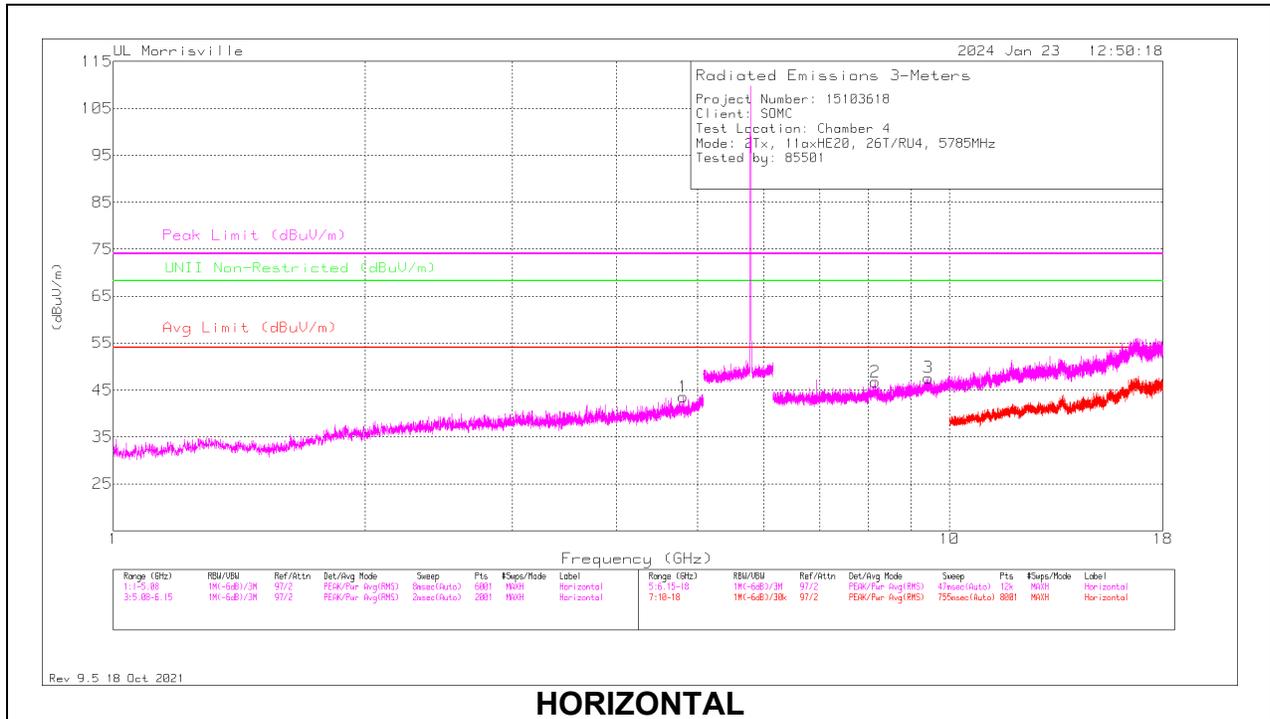
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 5.03988	40.56	Pk	34.1	-29.7	44.96	54	-9.04	74	-29.04	-	-	0-360	100	H
4	*** 4.71076	41.44	Pk	34.1	-31.5	44.04	54	-9.96	74	-29.96	-	-	0-360	200	V
2	*** 7.68458	37.64	Pk	35.7	-27.5	45.84	54	-8.16	74	-28.16	-	-	0-360	100	H
3	*** 9.43048	36.11	Pk	36.7	-25.5	47.31	54	-6.69	74	-26.69	-	-	0-360	100	H
6	*** 9.38406	36.2	Pk	36.6	-25.1	47.7	54	-6.3	74	-26.3	-	-	0-360	200	V
5	8.0223	38.56	Pk	35.8	-27.3	47.06	54	-6.94	74	-26.94	68.2	-21.14	0-360	200	V

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

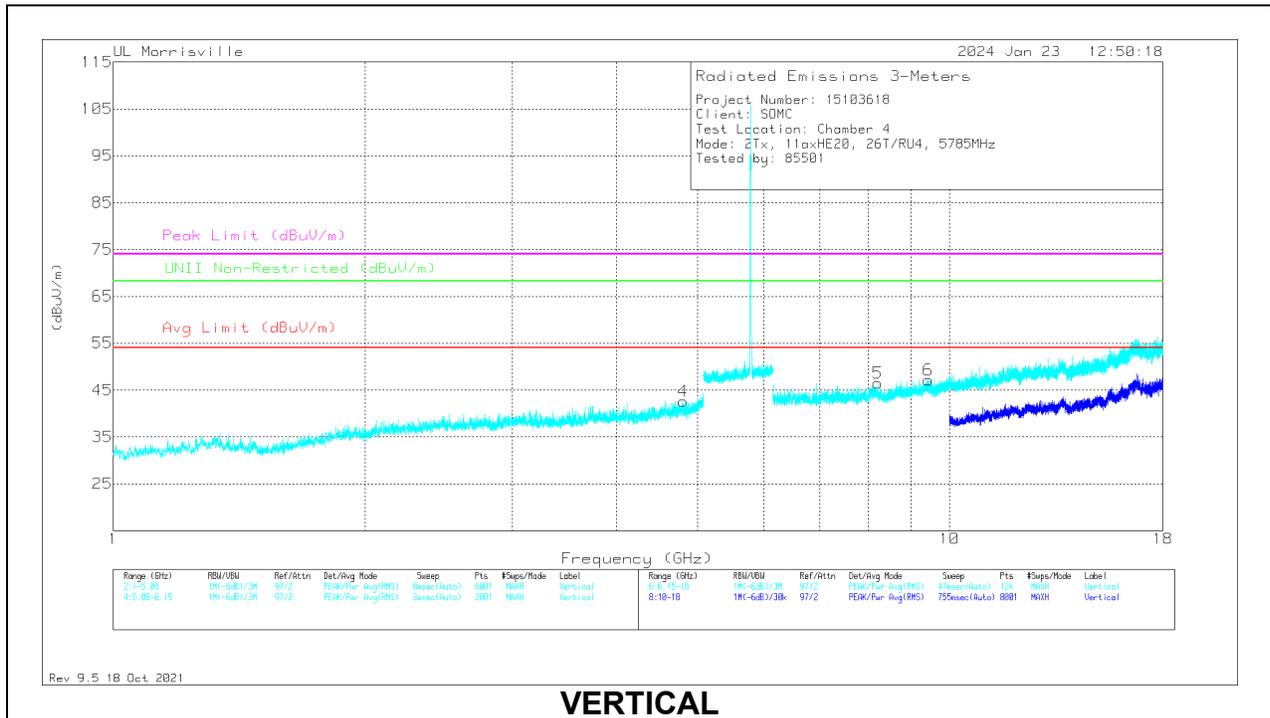
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

### MID CHANNEL RESULTS



**HORIZONTAL**



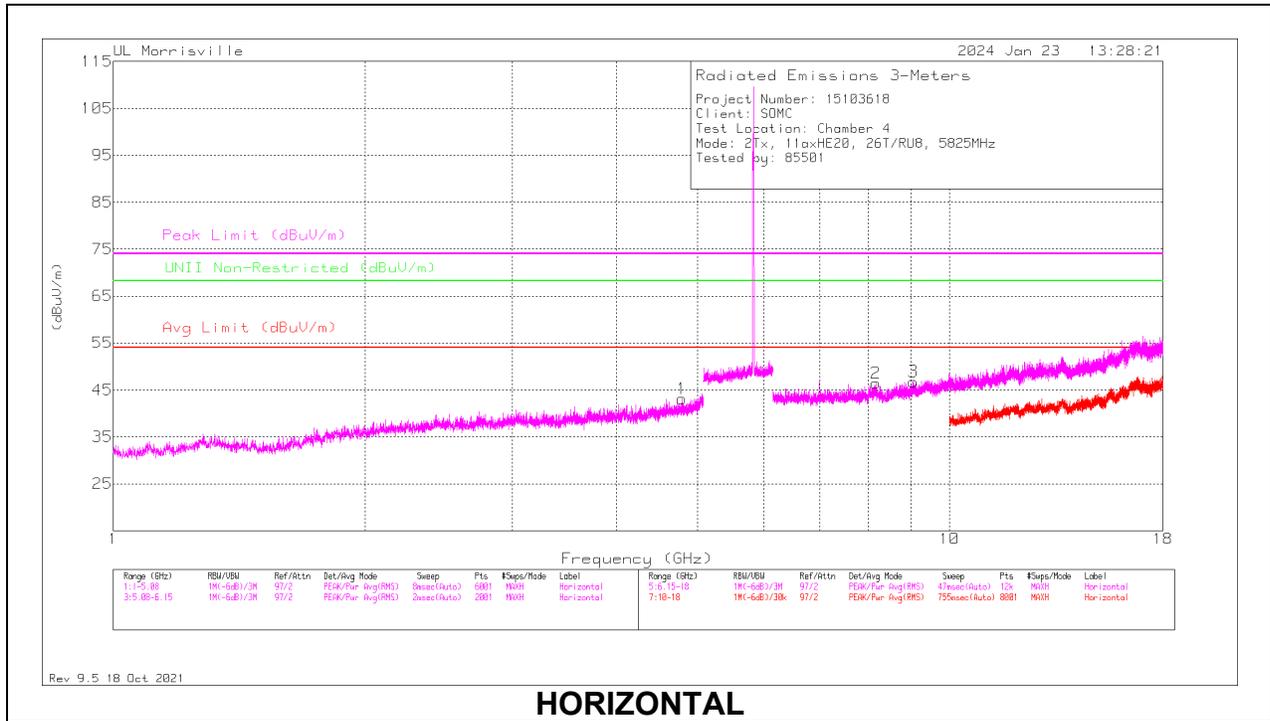
**VERTICAL**

**RADIATED EMISSIONS**

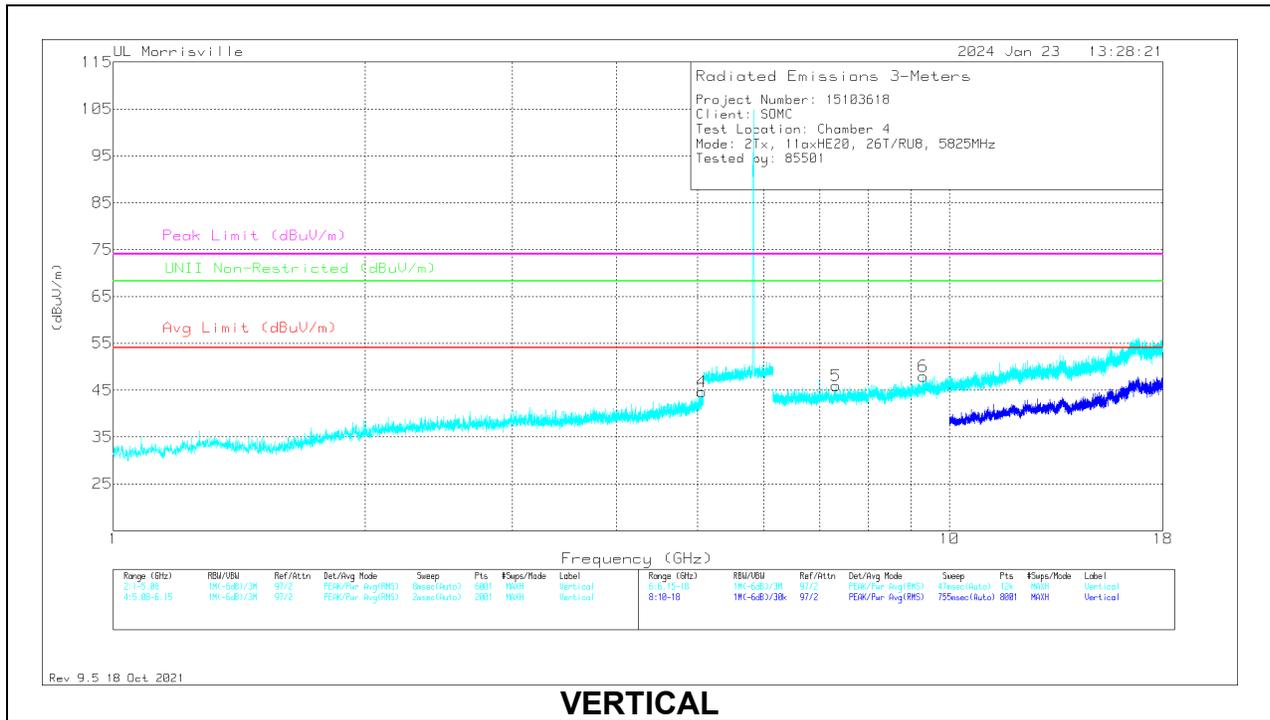
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 4.80256	39.9	Pk	34.1	-30.5	43.5	54	-10.5	74	-30.5	-	0-360	100	H
4	*** 4.80528	38.92	Pk	34.1	-30.4	42.62	54	-11.38	74	-31.38	-	0-360	200	V
2	*** 8.15166	37.85	Pk	35.8	-26.9	46.75	54	-7.25	74	-27.25	-	0-360	100	H
3	*** 9.44035	36.1	Pk	36.7	-25.2	47.6	54	-6.4	74	-26.4	-	0-360	100	H
5	** 8.204	37.61	Pk	35.8	-27	46.41	54	-7.59	74	-27.59	-	0-360	200	V
6	*** 9.44134	35.5	Pk	36.7	-25.1	47.1	54	-6.9	74	-26.9	-	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 RESULTS



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (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	*** 4.79168	39.49	Pk	34.1	-30.4	43.19	54	-10.81	74	-30.81	0-360	100	H
4	*** 5.06028	39.4	Pk	34.1	-28.9	44.6	54	-9.4	74	-29.4	0-360	200	V
2	*** 8.1645	37.53	Pk	35.8	-26.9	46.43	54	-7.57	74	-27.57	0-360	100	H
3	*** 9.06115	36.3	Pk	36.2	-25.7	46.8	54	-7.2	74	-27.2	0-360	100	H
5	*** 7.31723	37.84	Pk	35.6	-27.5	45.94	54	-8.06	74	-28.06	0-360	200	V
6	*** 9.31198	37.05	Pk	36.4	-25.5	47.95	54	-6.05	74	-26.05	0-360	200	V

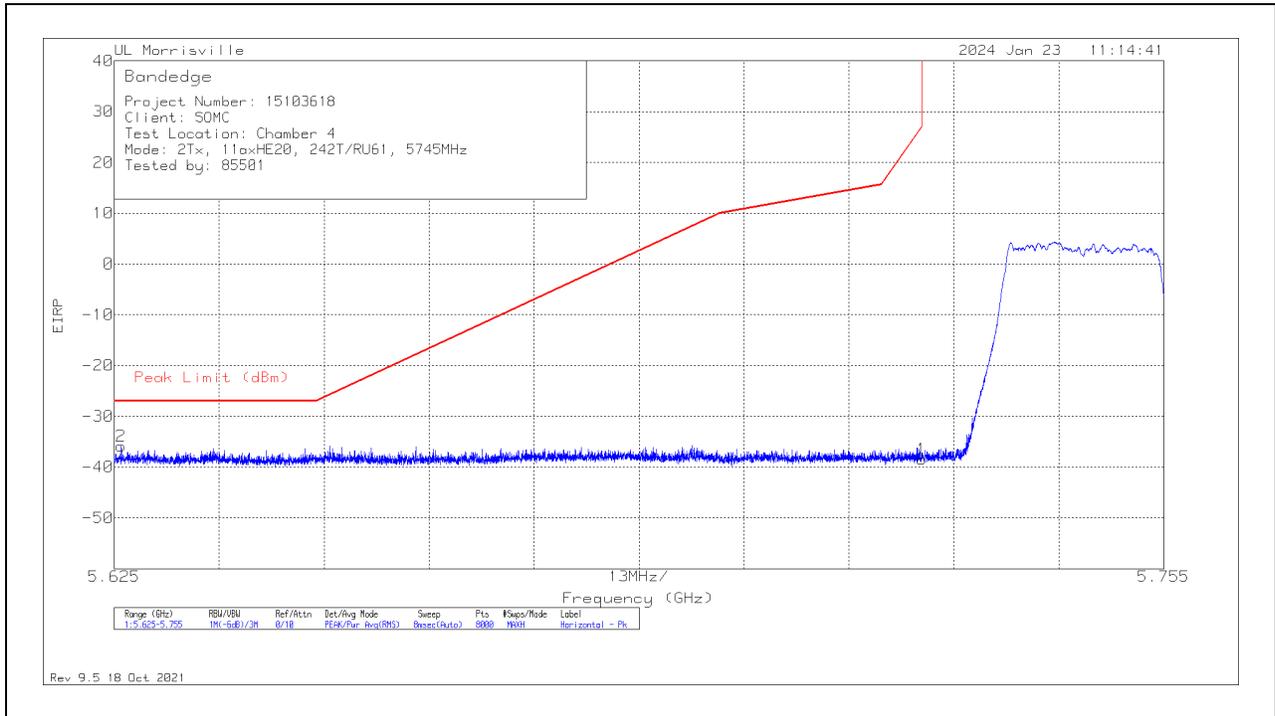
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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

Pk - Peak detector

**2TX CDD MODE: 242T**  
**BANDEGE (LOW CHANNEL)**

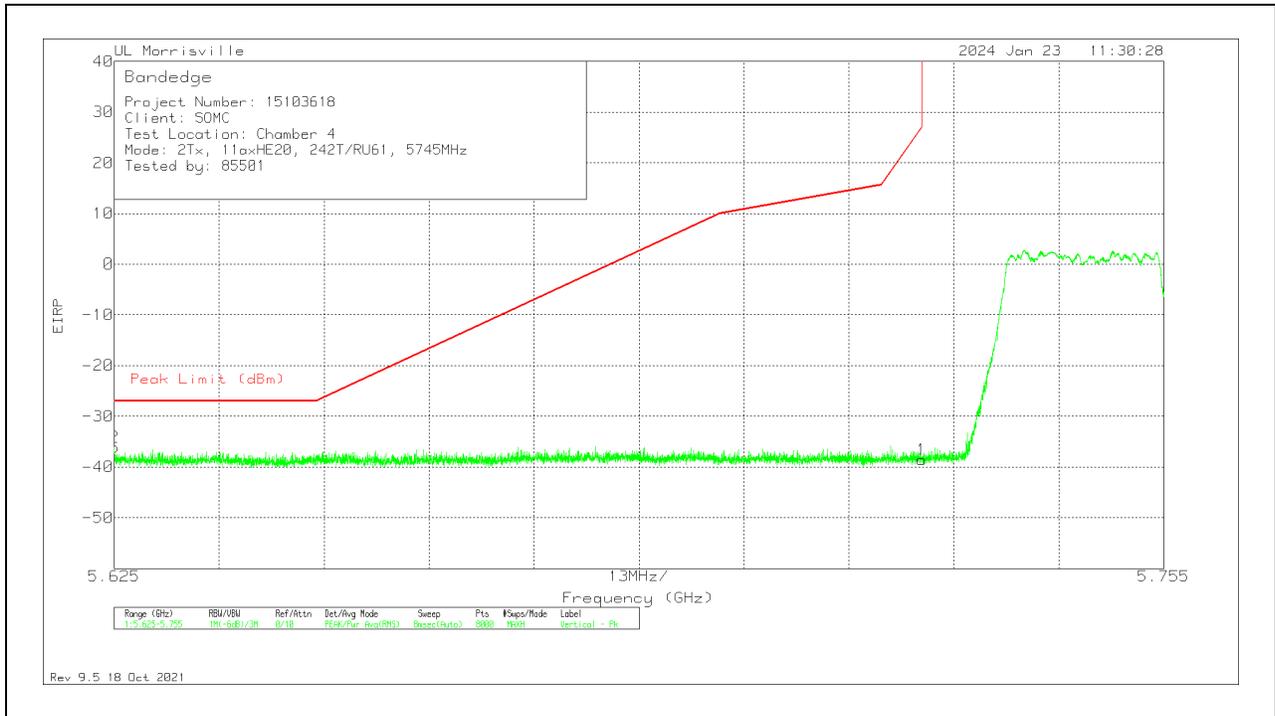
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.62588	-73.88	Pk	34.7	-8.5	11.8	-35.88	-27	-8.88	229	136	H
1	5.725	-76.23	Pk	34.7	-8.7	11.8	-38.43	27	-65.43	229	136	H

Pk - Peak detector

**VERTICAL RESULT**

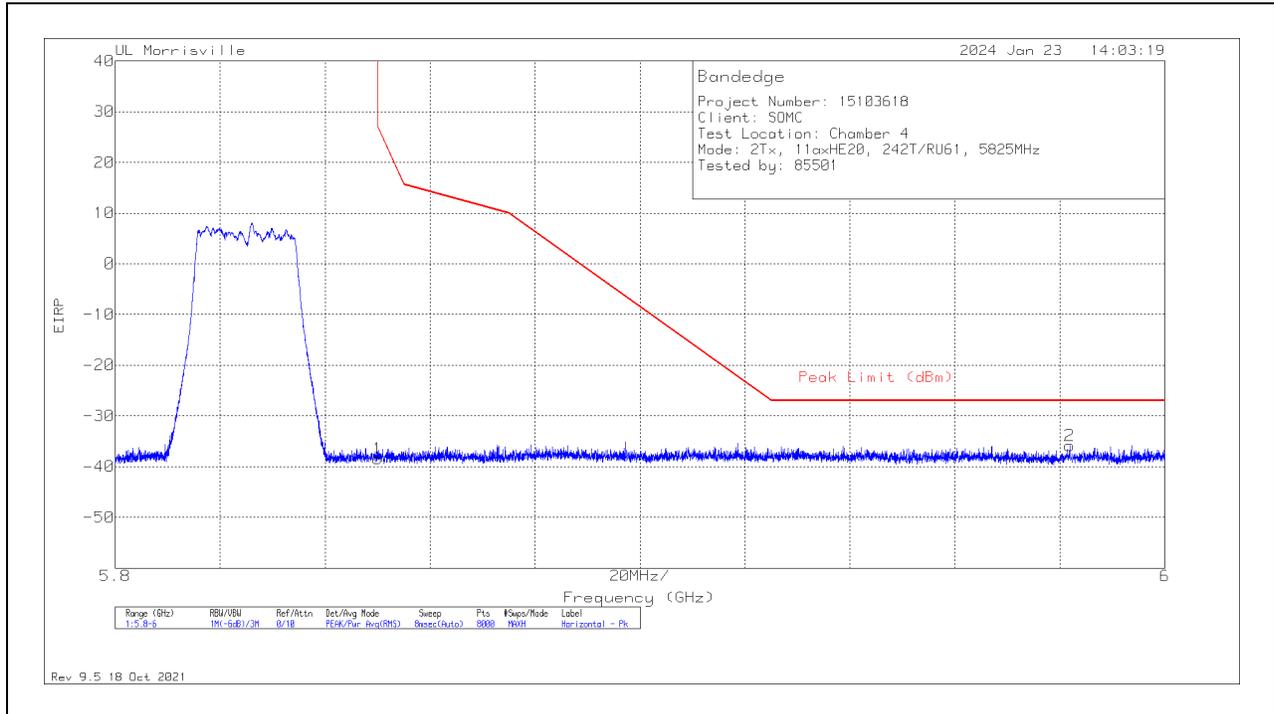


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.62502	-74.15	PK	34.7	-8.5	11.8	-36.15	-27	-9.15	252	125	V
1	5.725	-76.34	PK	34.7	-8.7	11.8	-38.54	27	-65.54	252	125	V

Pk - Peak detector

**BANDEDGE (HIGH CHANNEL)**

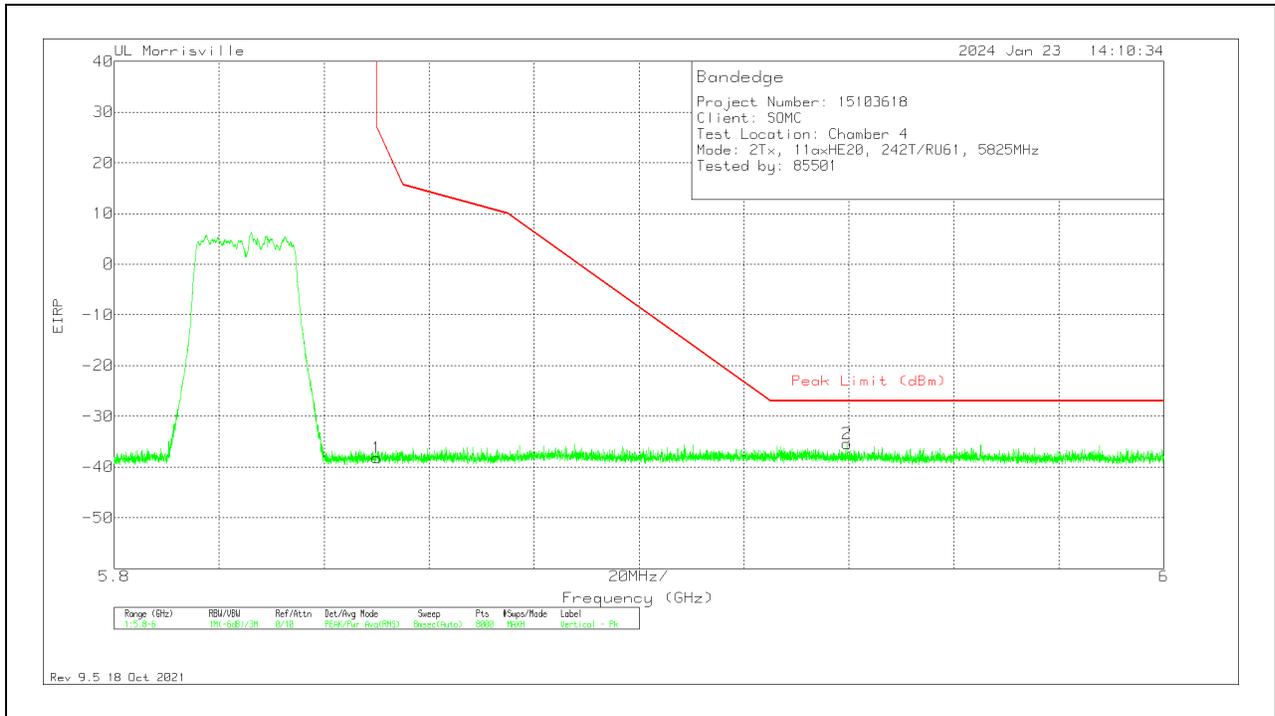
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85001	-76.65	Pk	34.8	-8.4	11.8	-38.45	26.99	-65.44	278	123	H
2	5.98187	-74.21	Pk	35	-8.4	11.8	-35.81	-27	-8.81	278	123	H

Pk - Peak detector

**VERTICAL RESULT**

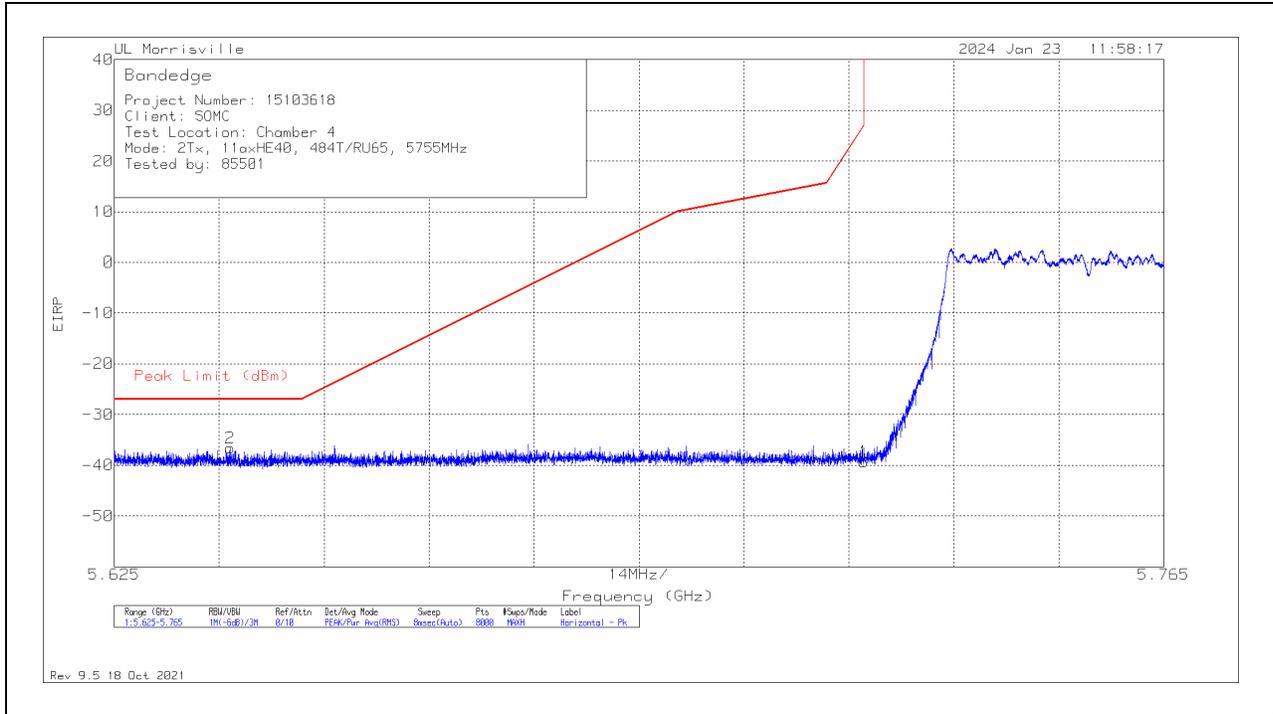


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85001	-76.45	PK	34.8	-8.4	11.8	-38.25	26.99	-65.24	239	301	V
2	5.93962	-73.8	PK	35	-8.4	11.8	-35.4	-27	-8.4	239	301	V

Pk - Peak detector

**10.1.14. TX ABOVE 1 GHz 802.11ax HE40 MODE IN THE 5.8GHz BAND**  
**2TX CDD MODE: 484T**  
**BANDEDGE (LOW CHANNEL)**

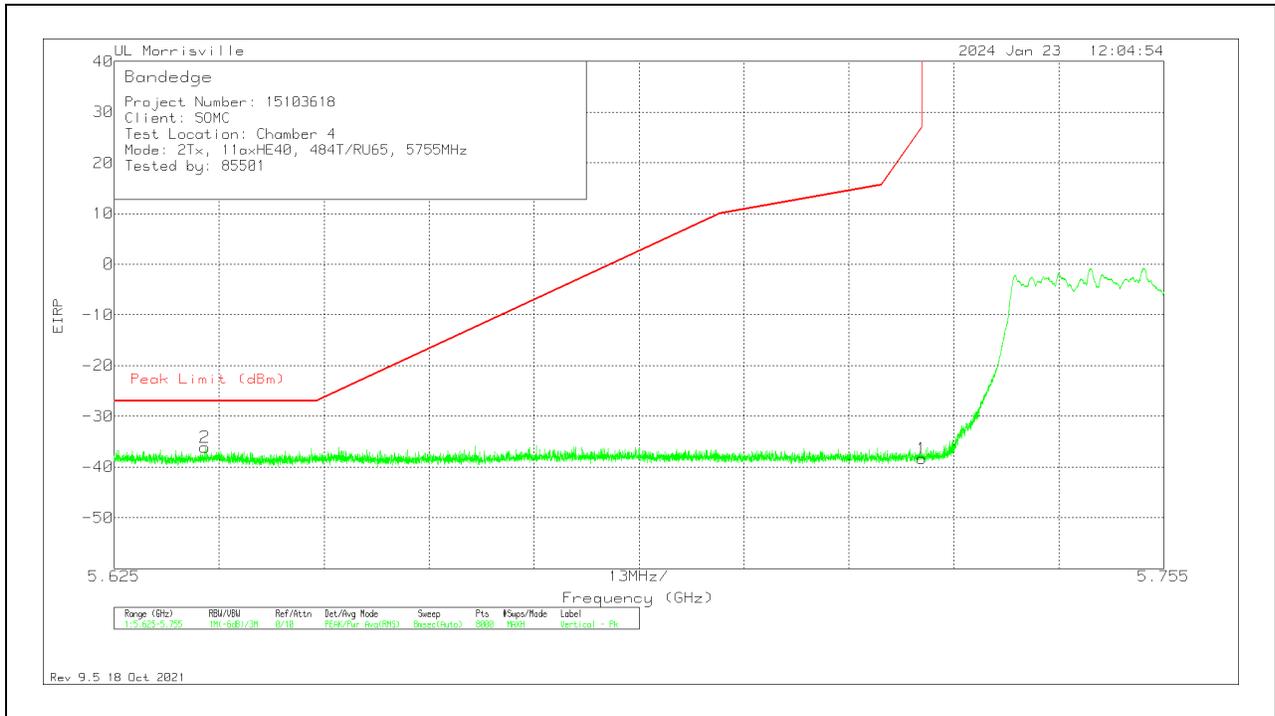
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.64044	-74.45	Pk	34.7	-8.7	11.8	-36.65	-27	-9.65	256	124	H
1	5.72499	-77.07	Pk	34.7	-8.7	11.8	-39.27	26.97	-66.24	256	124	H

Pk - Peak detector

**VERTICAL RESULT**

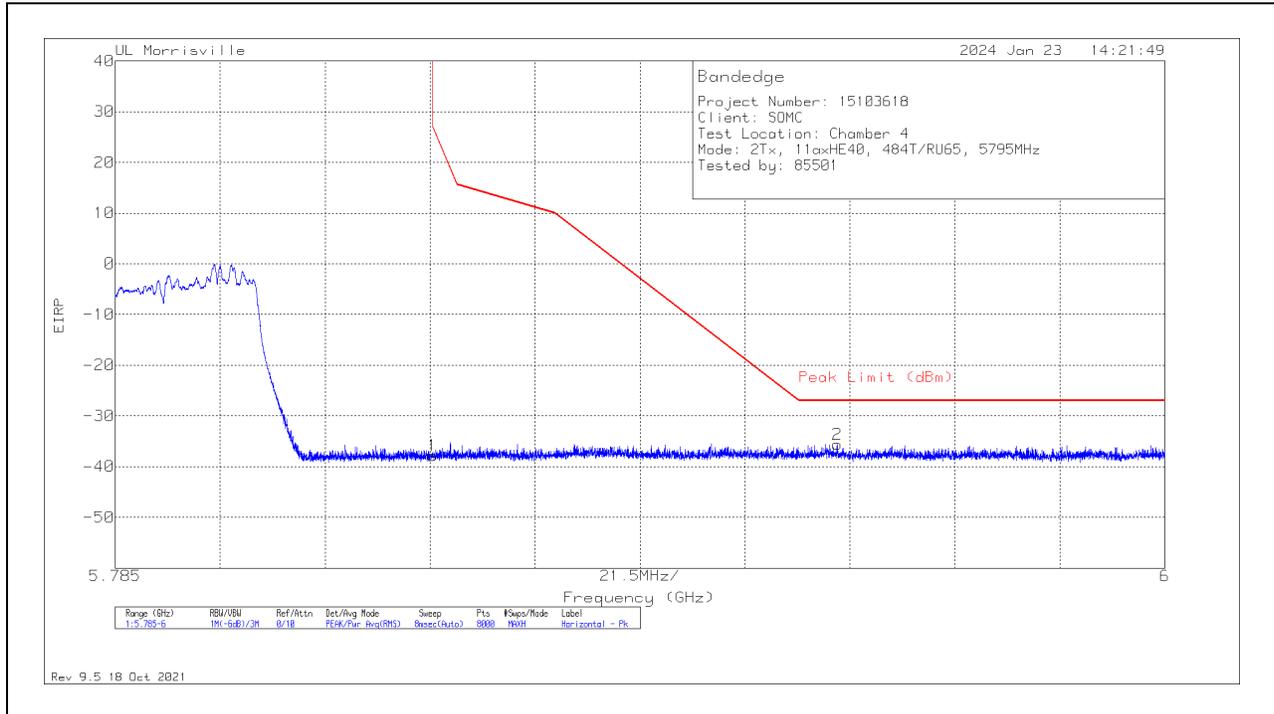


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.63623	-74.07	Pk	34.7	-8.5	11.8	-36.07	-27	-9.07	256	124	V
1	5.725	-76.1	Pk	34.7	-8.7	11.8	-38.3	27	-65.3	256	124	V

Pk - Peak detector

**BANDEDGE (HIGH CHANNEL)**

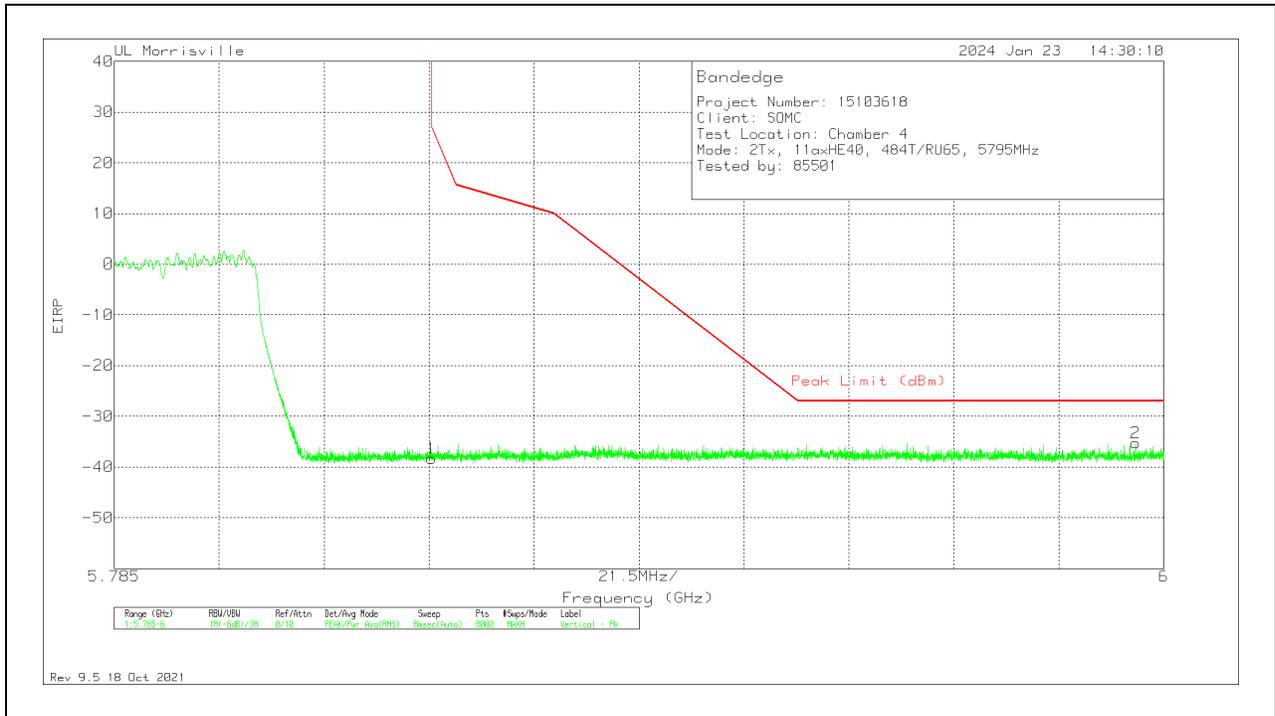
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85002	-76.08	Pk	34.8	-8.4	11.8	-37.88	26.96	-64.84	225	279	H
2	5.93288	-74.28	Pk	35	-8.1	11.8	-35.58	-27	-8.58	225	279	H

Pk - Peak detector

**VERTICAL RESULT**



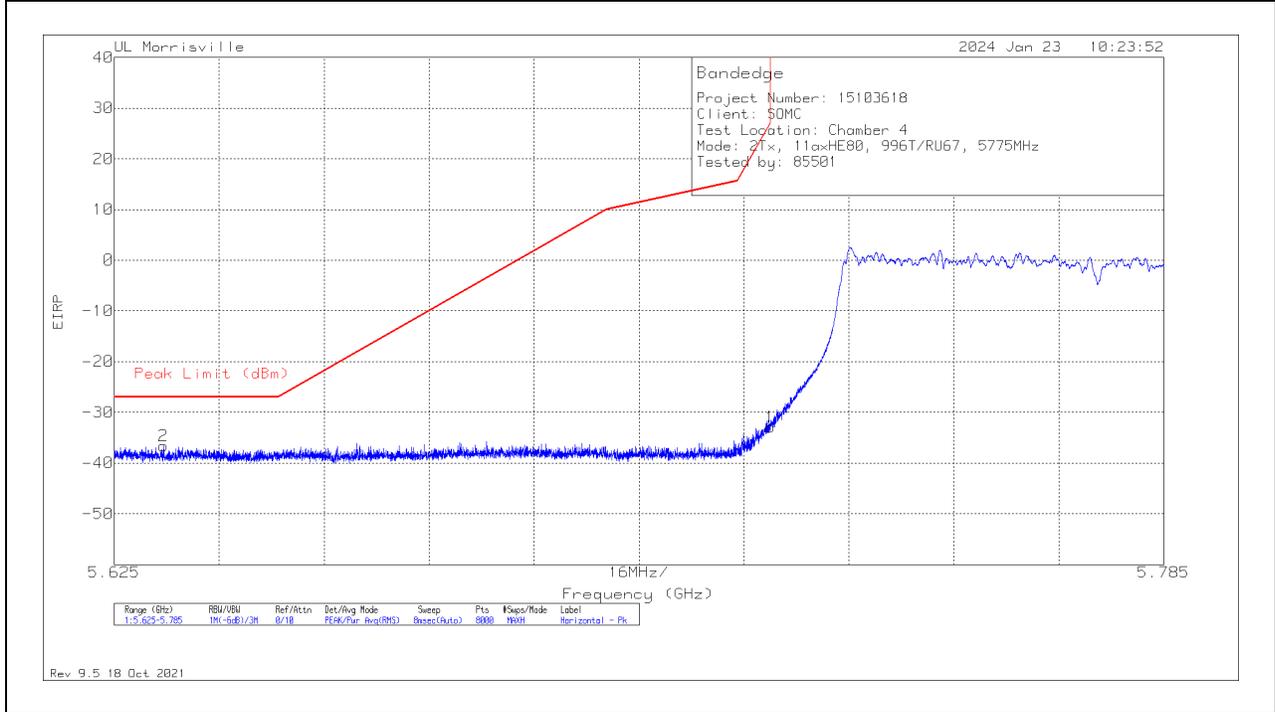
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85002	-76.47	Pk	34.8	-8.4	11.8	-38.27	26.96	-65.23	319	267	V
2	5.99427	-73.67	Pk	35	-8.4	11.8	-35.27	-27	-8.27	319	267	V

Pk - Peak detector

### 10.1.15. TX ABOVE 1 GHz 802.11ax HE80 MODE IN THE 5.6GHz BAND

**2TX CDD MODE: 996T**  
**BANDEDGE (LOW CHANNEL)**

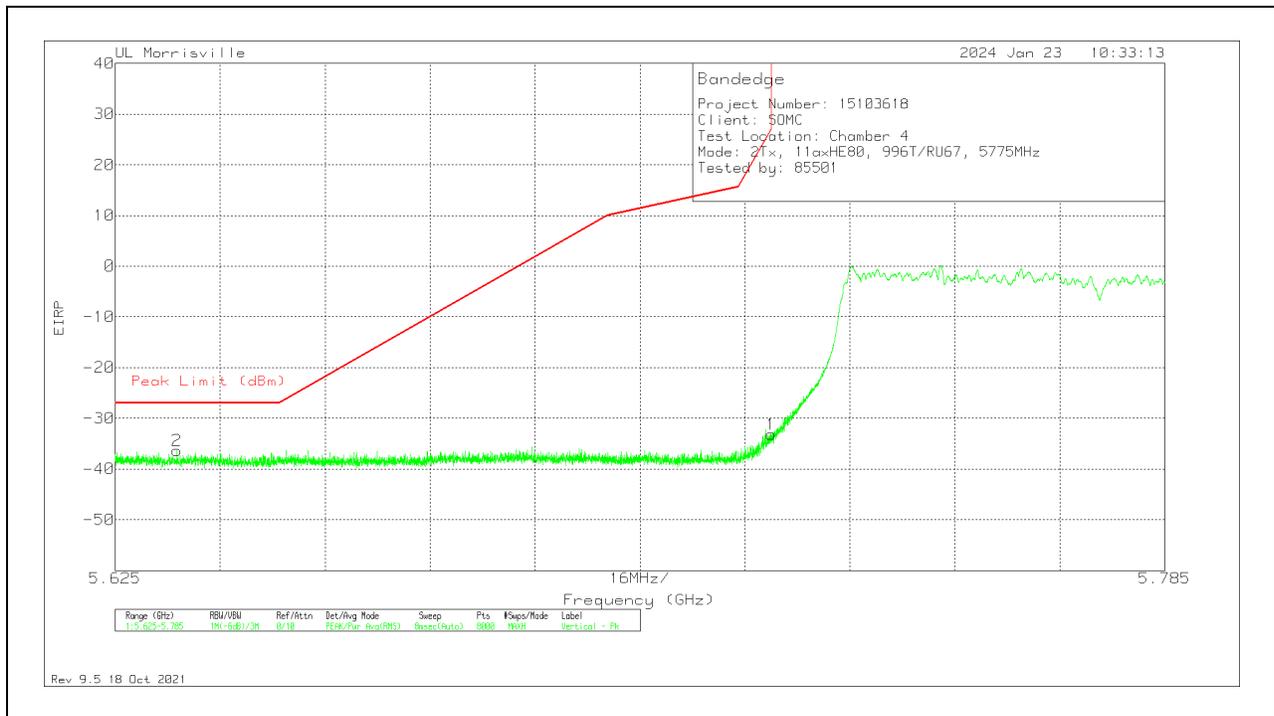
#### HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.63252	-74.25	Pk	34.7	-8.8	11.8	-36.55	-27	-9.55	281	131	H
1	5.725	-70.73	Pk	34.7	-8.7	11.8	-32.93	26.99	-59.92	281	131	H

Pk - Peak detector

**VERTICAL RESULT**

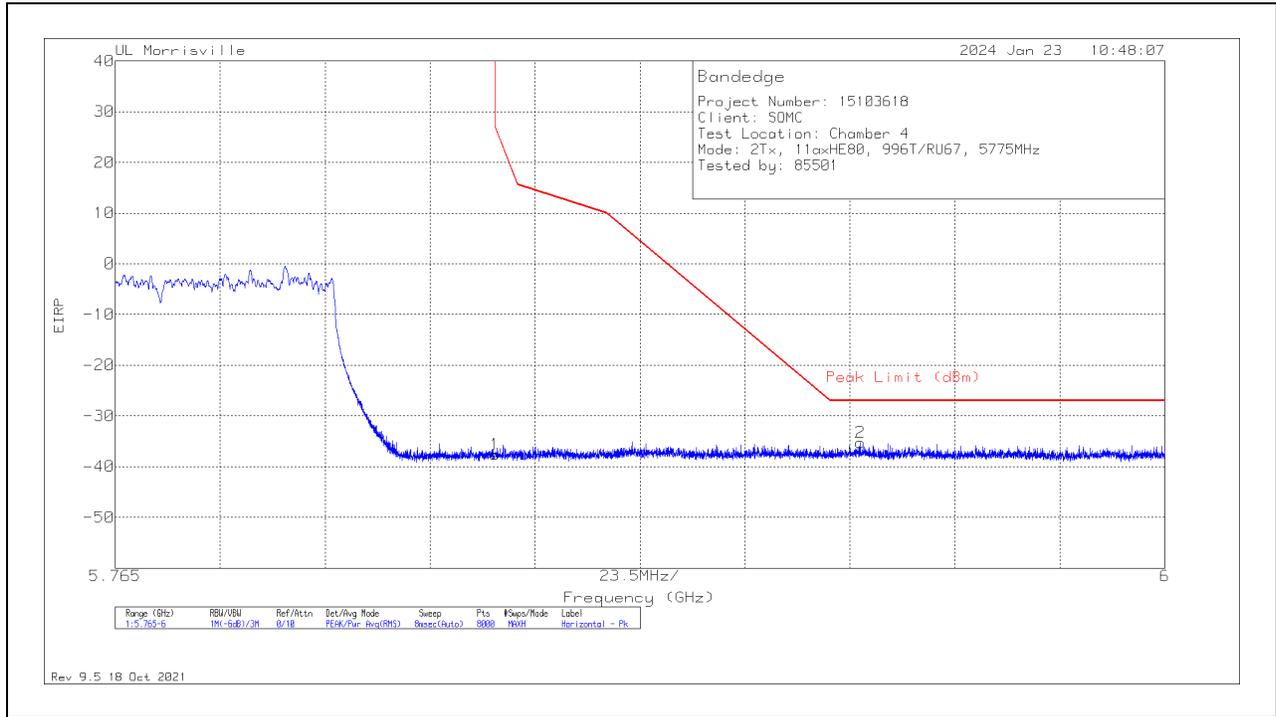


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.6344	-74.14	PK	34.7	-8.7	11.8	0	-36.34	-27	-9.34	241	316	V
1	5.725	-70.99	PK	34.7	-8.7	11.8	0	-33.19	26.99	-60.18	241	316	V

Pk - Peak detector

**BANDEDGE (HIGH CHANNEL)**

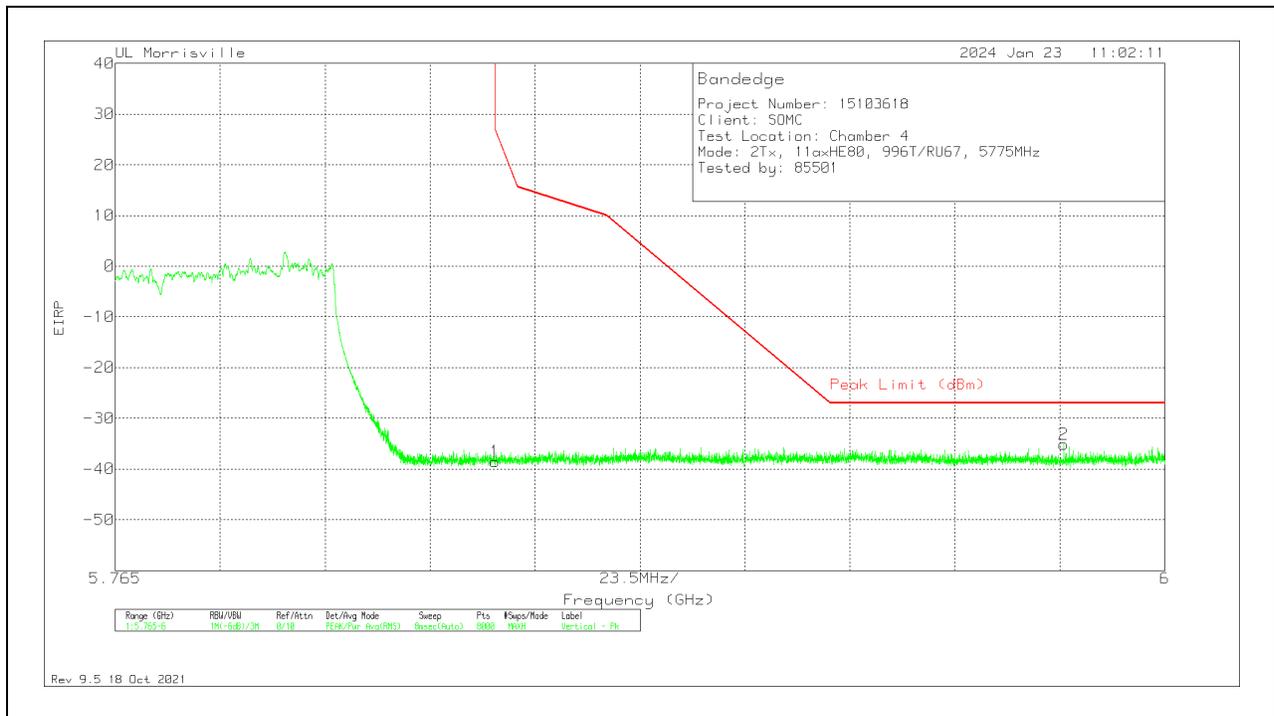
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85002	-75.83	Pk	34.8	-8.4	11.8	-37.63	26.95	-64.58	331	324	H
2	5.93184	-74.07	Pk	35	-8	11.8	-35.27	-27	-8.27	331	324	H

Pk - Peak detector

**VERTICAL RESULT**



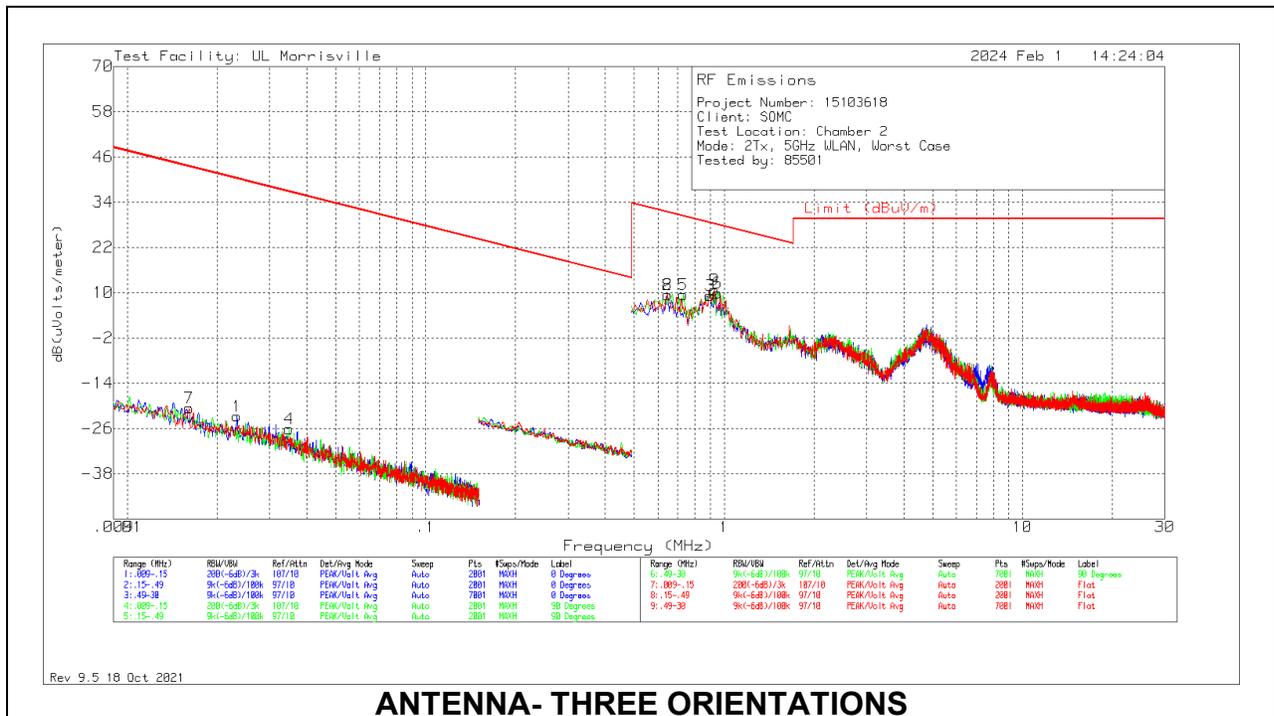
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85002	-76.71	Pk	34.8	-8.4	11.8	-38.51	26.95	-65.46	238	320	V
2	5.97738	-73.28	Pk	35	-8.7	11.8	-35.18	-27	-8.18	238	320	V

Pk - Peak detector

## 10.2. TRANSMITTER WORST CASE

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

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\*Log (test distance / specification distance).

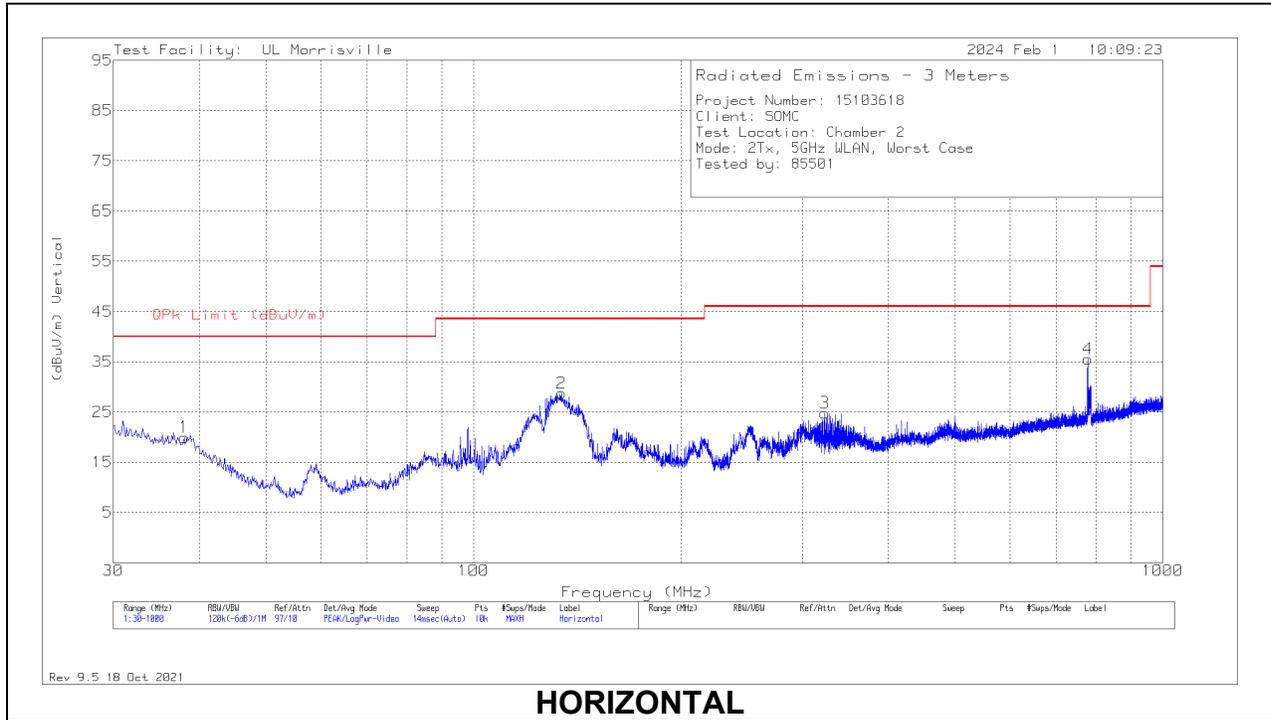


### ANTENNA- THREE ORIENTATIONS

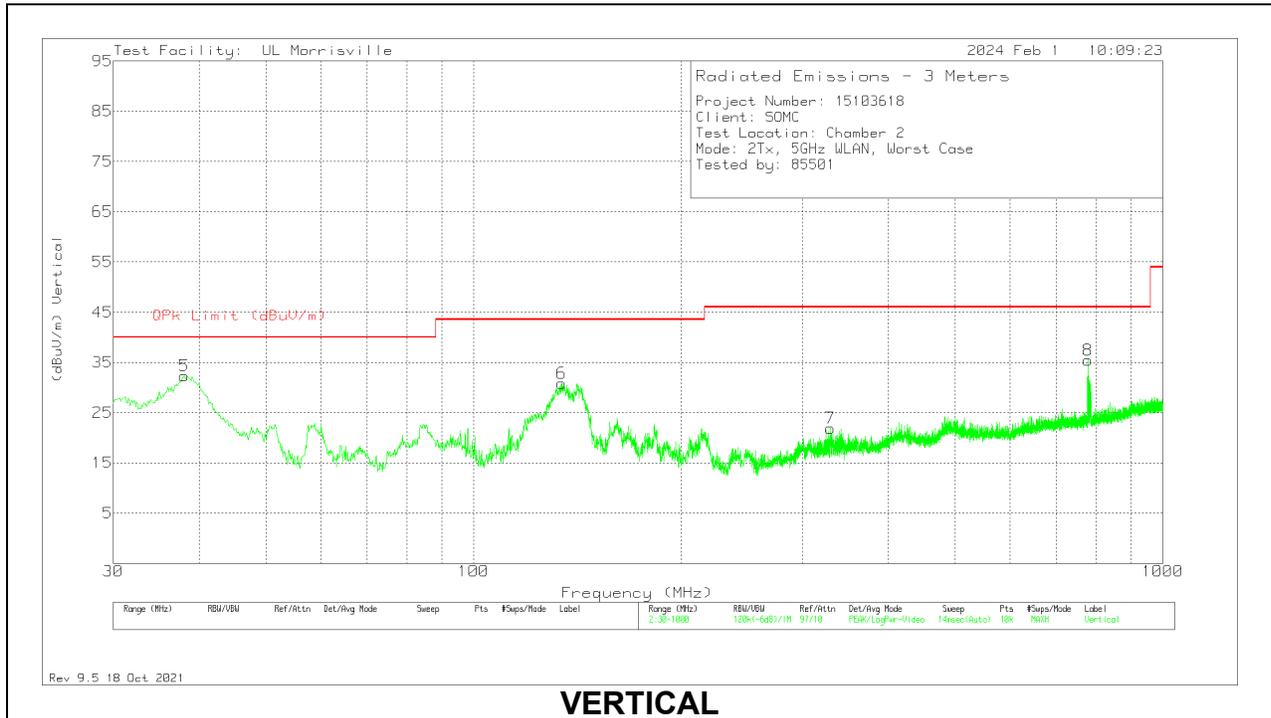
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	65682 (dBuV/m)	Gain/Loss (dB)	Dist. Corr. Factor (dB)	Corrected Reading dB(uVolts/meter)	QP/AV Limit (dBuV/m)	PK Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Loop Angle
7	.0161	43.36	Pk	15.9	.1	-80	-20.64	43.47	63.47	-64.11	0-360	Flat
1	.02327	43.41	Pk	13.7	.1	-80	-22.79	40.27	60.27	-63.06	0-360	0 degs
4	.03484	41.24	Pk	12.5	.1	-80	-26.16	36.76	56.76	-62.92	0-360	90 degs
2	.64599	39.07	Pk	10.2	.1	-40	9.37	31.4	-	-22.03	0-360	0 degs
8	.64599	39.14	Pk	10.2	.1	-40	9.44	31.4	-	-21.96	0-360	Flat
5	.73031	39.12	Pk	10.2	.1	-40	9.42	30.33	-	-20.91	0-360	90 degs
3	.89895	38.84	Pk	10.2	.2	-40	9.24	28.53	-	-19.29	0-360	0 degs
9	.92846	40.31	Pk	10.2	.2	-40	10.71	28.25	-	-17.54	0-360	Flat
6	.94954	39.4	Pk	10.3	.2	-40	9.9	28.05	-	-18.15	0-360	90 degs

Pk - Peak detector

### 10.2.2. SPURIOUS 30-1000MHZ



**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	*** 38.051	30.48	Pk	21.2	-31.7	19.98	40	-20.02	0-360	299	H
2	*** 134.178	39.72	Pk	19.6	-30.6	28.72	43.52	-14.8	0-360	199	H
3	*** 323.231	34.32	Pk	19.6	-29.1	24.82	46.02	-21.2	0-360	100	H
4	** 777.967	36.59	Pk	26.4	-27.4	35.59	46.02	-10.43	0-360	299	H
5	*** 38.051	42.81	Pk	21.2	-31.7	32.31	40	-7.69	0-360	101	V
6	*** 134.081	41.85	Pk	19.6	-30.6	30.85	43.52	-12.67	0-360	101	V
7	*** 329.439	31.39	Pk	19.6	-29.1	21.89	46.02	-24.13	0-360	199	V
8	** 778.064	36.39	Pk	26.4	-27.4	35.39	46.02	-10.63	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