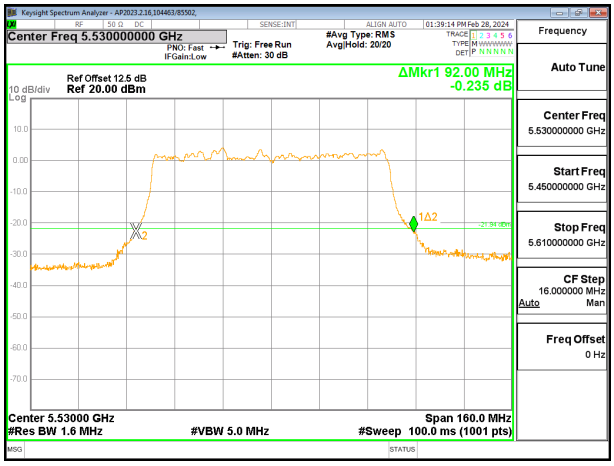
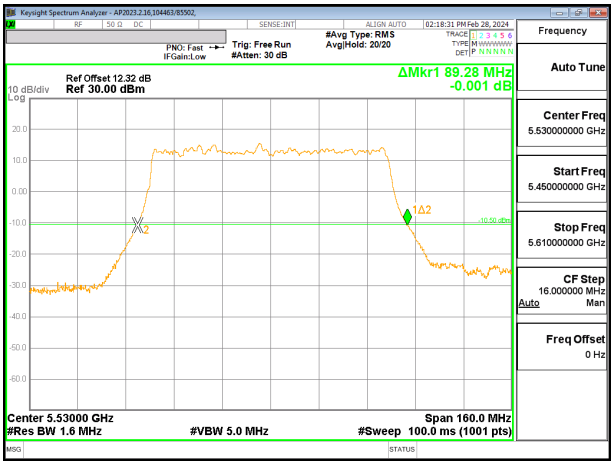
9.2.24. 802.11ax HE80 MODE 2TX IN THE 5.6GHz BAND

2TX 996T MODE

Channel	Frequency (MHz)	26 dB Bandwidth Chain 0 (MHz)	26 dB Bandwidth Chain 1 (MHz)
Low	5530	92.00	89.28
High	5610	91.52	89.60
138	5690	79.48	79.16



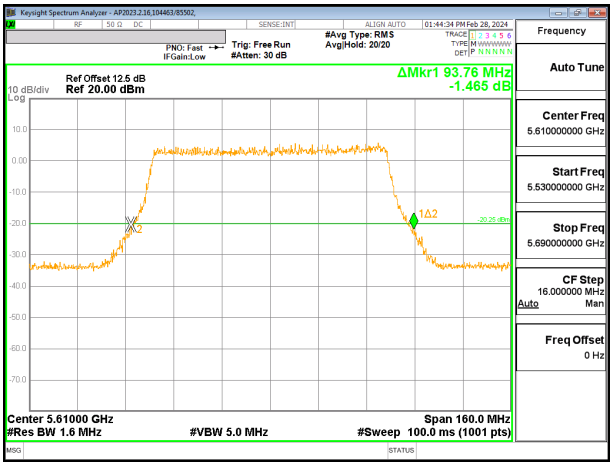
LOW CHANNEL CHAIN 0



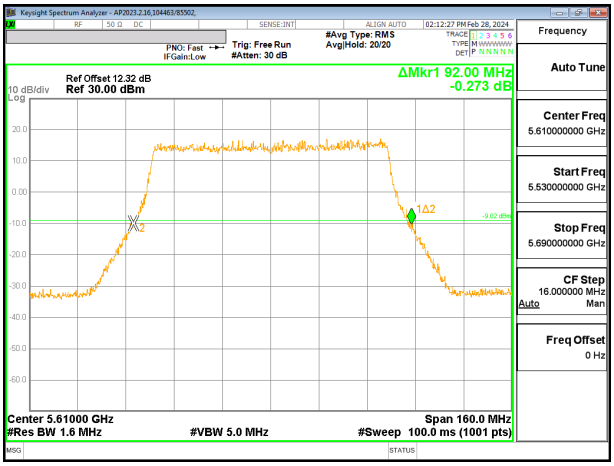
LOW CHANNEL CHAIN 1

2TX SU MODE

Channel	Frequency (MHz)	26 dB Bandwidth Chain 0 (MHz)	26 dB Bandwidth Chain 1 (MHz)
Low	5530	91.52	92.48
High	5610	93.76	92.00
138	5690	78.52	79.32



HIGH CHANNEL CHAIN 0

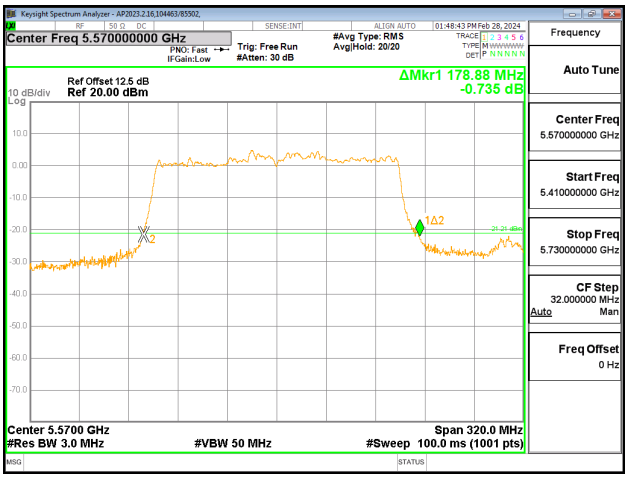


HIGH CHANNEL CHAIN 1

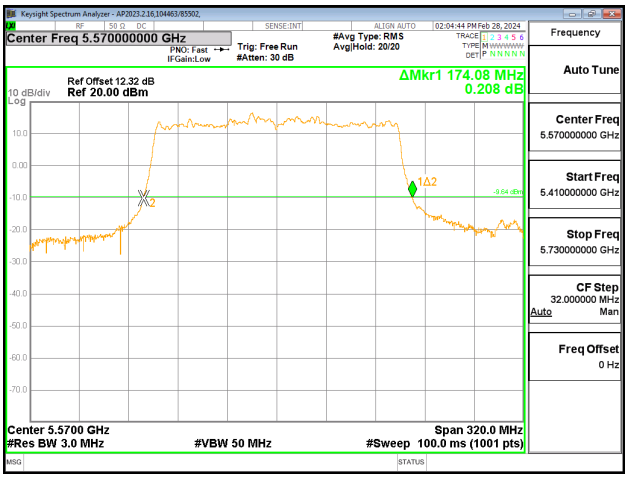
9.2.25. 802.11ax HE160 MODE 2TX IN THE 5.6GHz BAND

2TX 2x996T MODE

Channel	Frequency (MHz)	26 dB Bandwidth Chain 0 (MHz)	26 dB Bandwidth Chain 1 (MHz)
Mid	5570	178.88	174.08



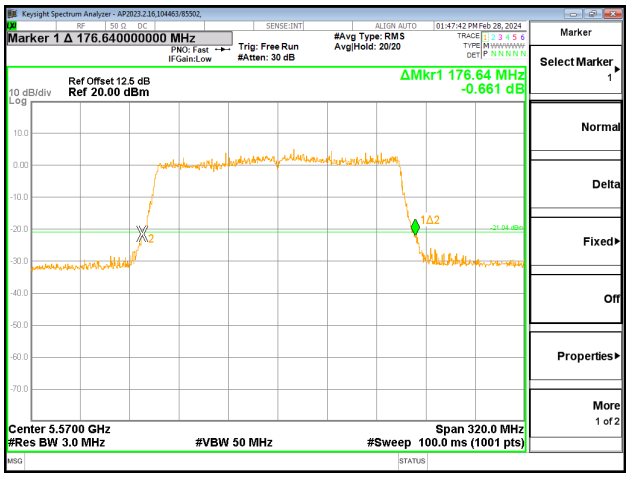
MID CHANNEL CHAIN 0



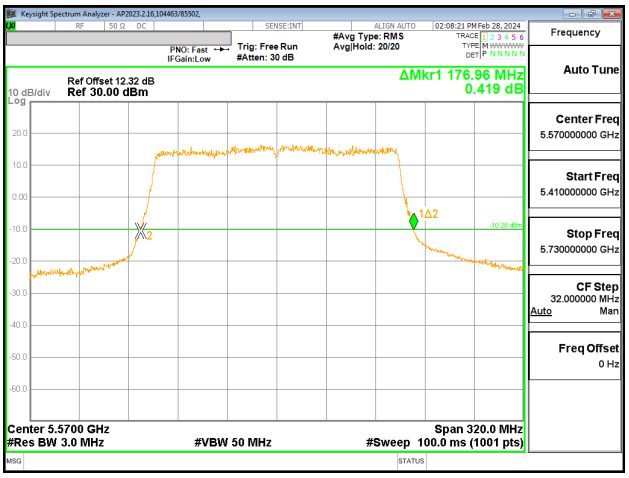
MID CHANNEL CHAIN 1

2TX SU MODE

Channel	Frequency (MHz)	26 dB Bandwidth Chain 0 (MHz)	26 dB Bandwidth Chain 1 (MHz)
Mid	5570	176.64	176.96



MID CHANNEL CHAIN 0



MID CHANNEL CHAIN 1

9.3. 6 dB BANDWIDTH

LIMITS

FCC §15.407 (e)

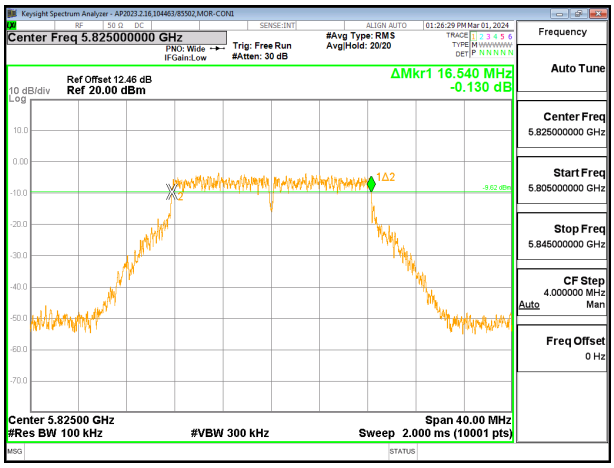
The minimum 6 dB bandwidth shall be at least 500 kHz.

RESULTS

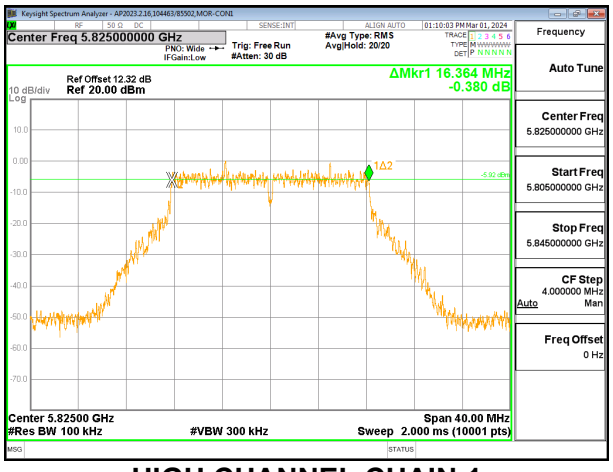
9.3.1. 802.11a MODE IN THE 5.8 GHz BAND

2TX CHAIN 0 + CHAIN 1 CDD MODE

Channel	Frequency (MHz)	6 dB BW Chain 0 (MHz)	6 dB BW Chain 1 (MHz)	Minimum Limit (MHz)
Low	5745	16.324	16.344	0.5
Mid	5785	16.336	16.436	0.5
High	5825	16.540	16.364	0.5
144	5720	3.292	3.260	0.5



HIGH CHANNEL CHAIN 0

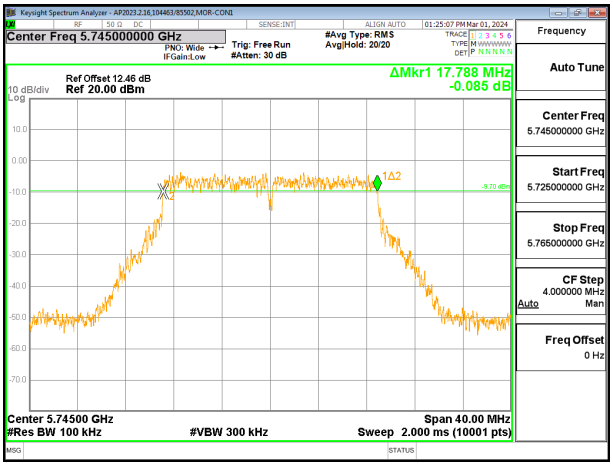


HIGH CHANNEL CHAIN 1

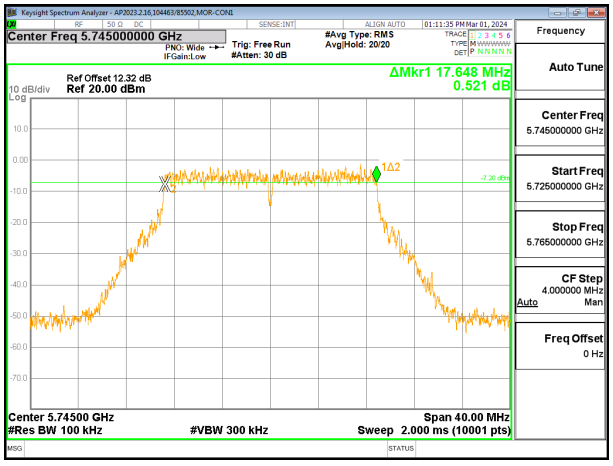
9.3.2. 802.11n HT20 MODE IN THE 5.8 GHz BAND

2TX CHAIN 0 + CHAIN 1 CDD MODE

Channel	Frequency (MHz)	6 dB BW Chain 0 (MHz)	6 dB BW Chain 1 (MHz)	Minimum Limit (MHz)
Low	5745	17.788	17.648	0.5
Mid	5785	17.588	17.644	0.5
High	5825	17.632	17.596	0.5
144	5720	3.780	3.844	0.5



LOW CHANNEL CHAIN 0

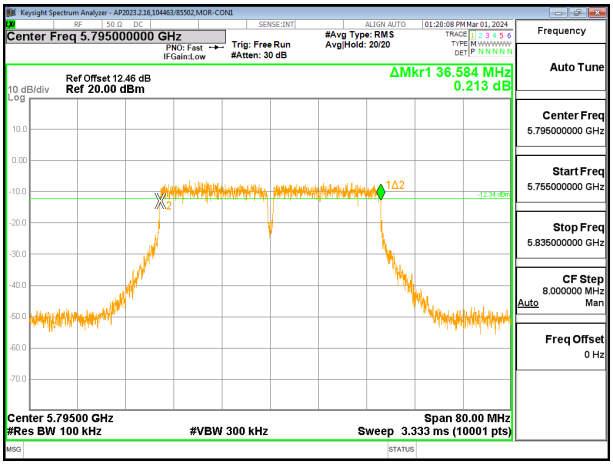


LOW CHANNEL CHAIN 1

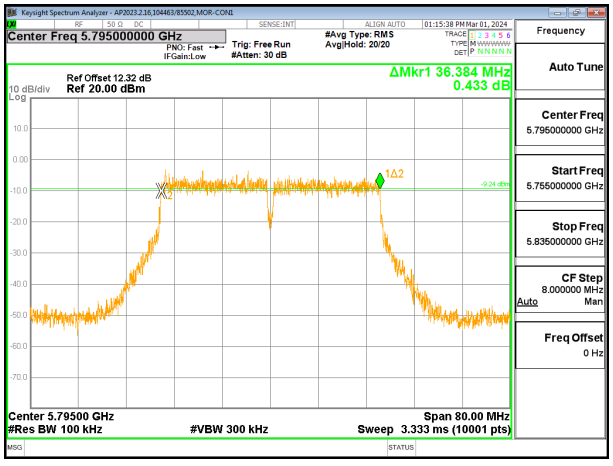
9.3.3. 802.11n HT40 MODE IN THE 5.8 GHz BAND

2TX CHAIN 0 + CHAIN 1 CDD MODE

Channel	Frequency (MHz)	6 dB BW Chain 0 (MHz)	6 dB BW Chain 1 (MHz)	Minimum Limit (MHz)
Low	5755	36.504	36.440	0.5
High	5795	36.584	36.384	0.5
142	5710	3.304	3.288	0.5



HIGH CHANNEL CHAIN 0

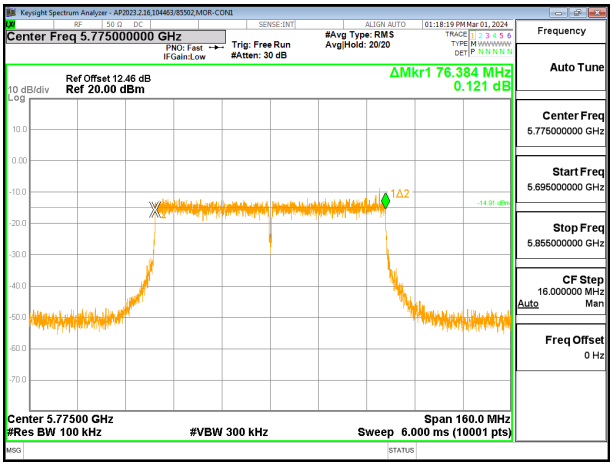


HIGH CHANNEL CHAIN 1

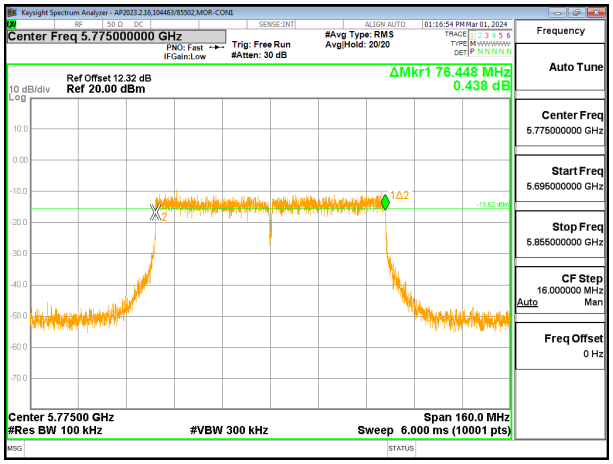
9.3.4. 802.11ac VHT80 MODE IN THE 5.8 GHz BAND

2TX CHAIN 0 + CHAIN 1 CDD MODE

Channel	Frequency (MHz)	6 dB BW Chain 0 (MHz)	6 dB BW Chain 1 (MHz)	Minimum Limit (MHz)
Mid	5775	76.384	76.448	0.5
138	5690	3.304	3.320	0.5



MID CHANNEL CHAIN 0

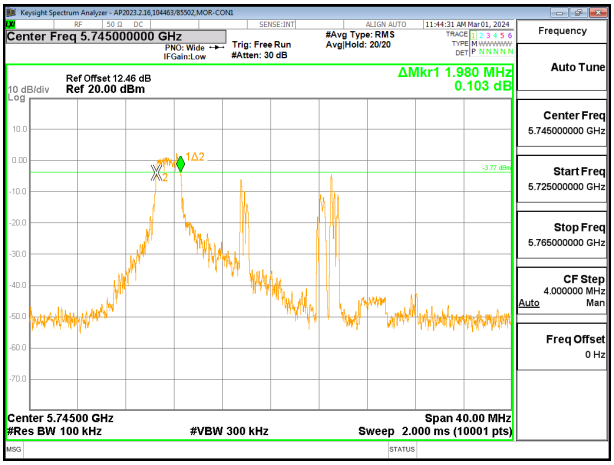


MID CHANNEL CHAIN 1

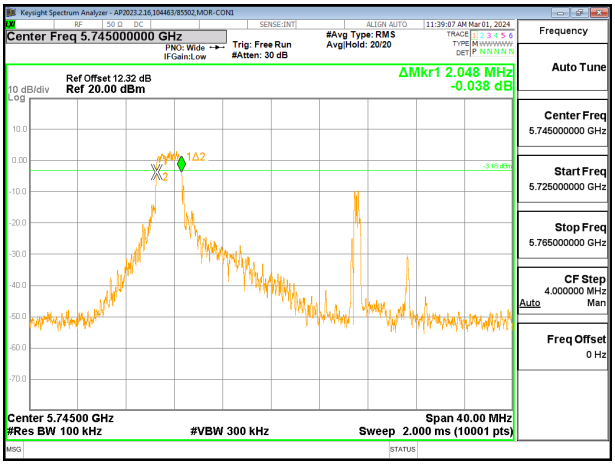
9.3.5. 802.11ax HE20 MODE 2TX IN THE 5.8GHz BAND

2Tx 26T MODE

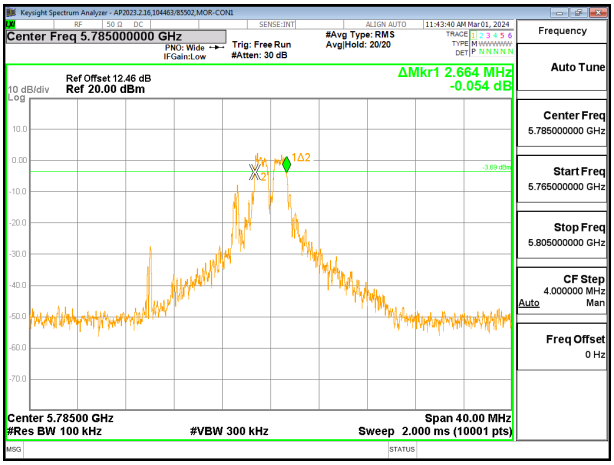
Channel	Frequency (MHz)	6 dB BW Chain 0 (MHz)	6 dB BW Chain 1 (MHz)	Minimum Limit (MHz)
Low	5745	1.980	2.048	0.5
Mid	5785	2.664	2.620	0.5
High	5825	2.112	1.996	0.5
144	5720	4.532	4.524	0.5



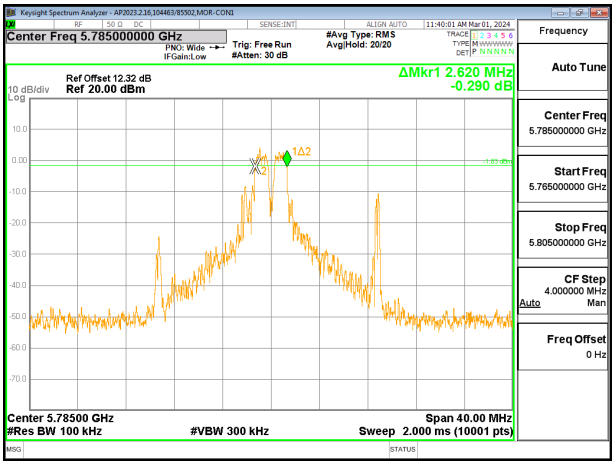
LOW CHANNEL CHAIN 0



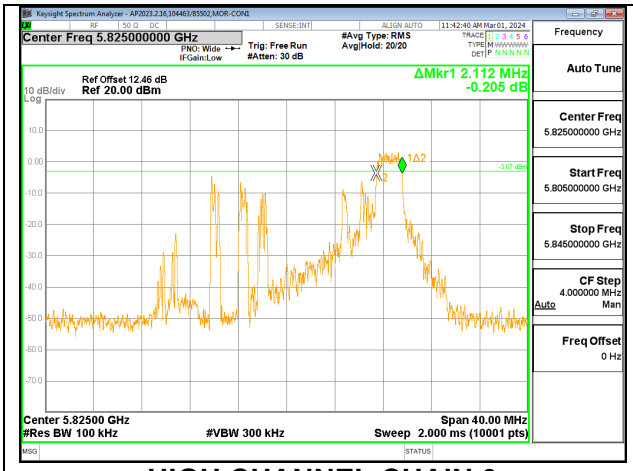
LOW CHANNEL CHAIN 1



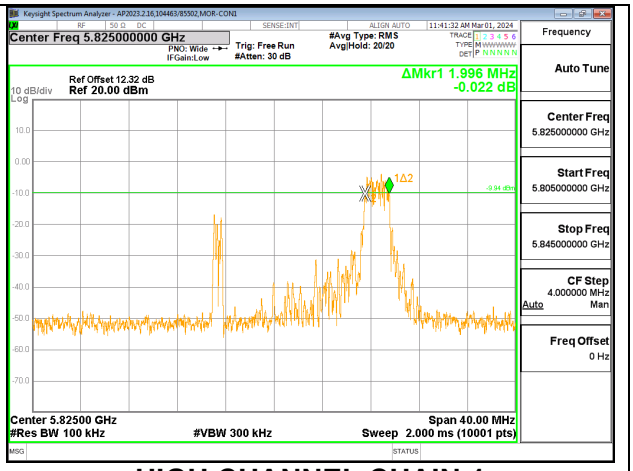
MID CHANNEL CHAIN 0



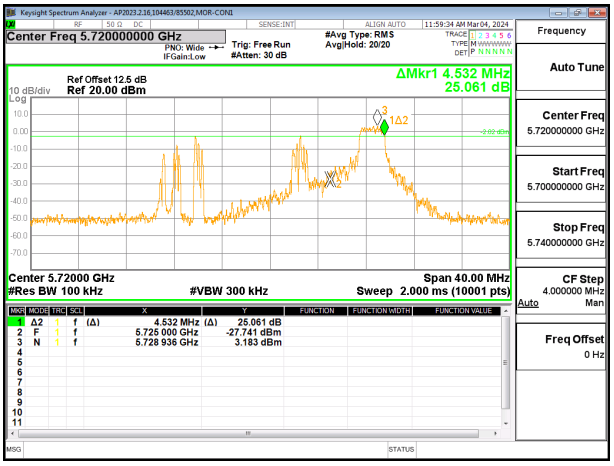
MID CHANNEL CHAIN 1



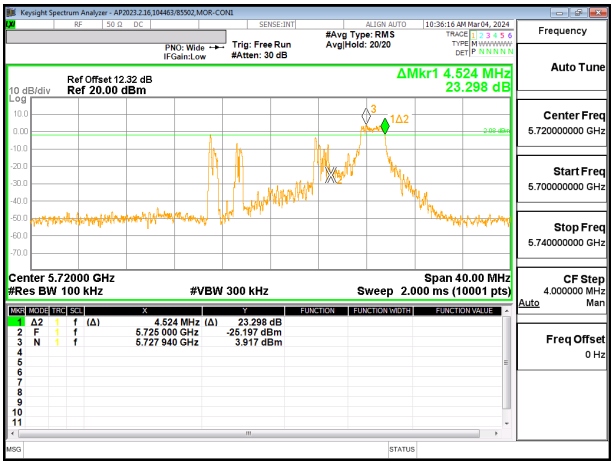
HIGH CHANNEL CHAIN 0



HIGH CHANNEL CHAIN 1



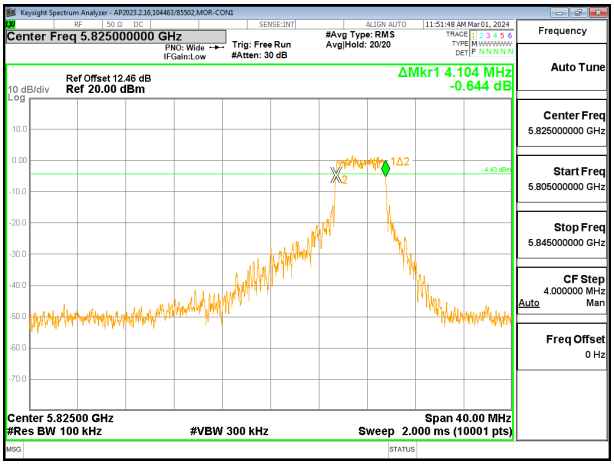
STRADDLE CHANNEL CHAIN 0



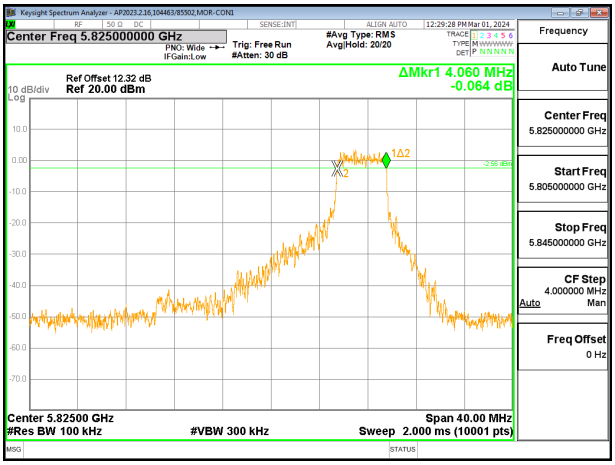
STRADDLE CHANNEL CHAIN 1

2Tx 52T MODE

Channel	Frequency (MHz)	6 dB BW Chain 0 (MHz)	6 dB BW Chain 1 (MHz)	Minimum Limit (MHz)
Low	5745	4.052	4.040	0.5
Mid	5785	4.024	4.052	0.5
High	5825	4.104	4.060	0.5
144	5720	4.028	4.092	0.5



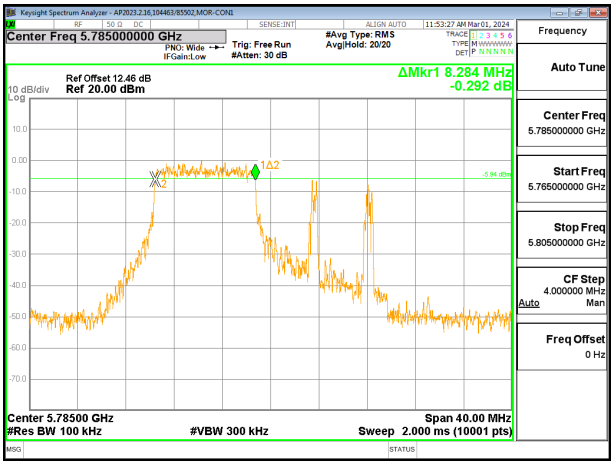
HIGH CHANNEL CHAIN 0



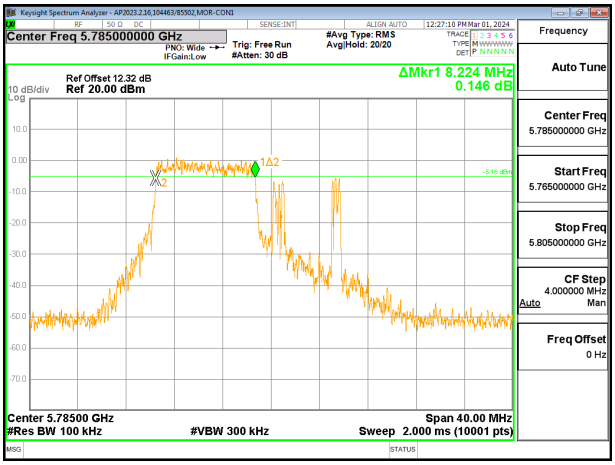
HIGH CHANNEL CHAIN 1

2Tx 106T MODE

Channel	Frequency (MHz)	6 dB BW Chain 0 (MHz)	6 dB BW Chain 1 (MHz)	Minimum Limit (MHz)
Low	5745	8.208	8.372	0.5
Mid	5785	8.284	8.224	0.5
High	5825	8.196	8.284	0.5
144	5720	4.552	4.564	0.5



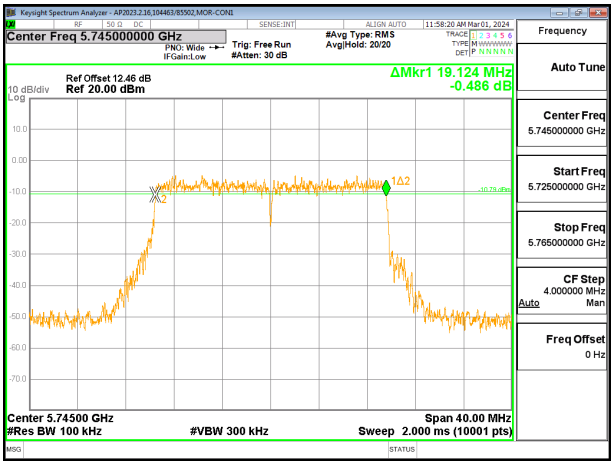
MID CHANNEL CHAIN 0



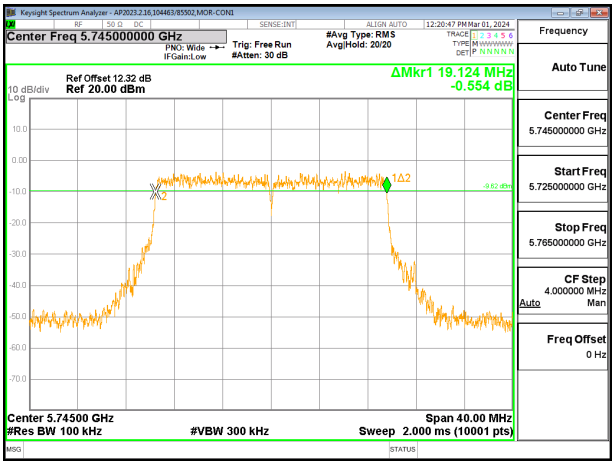
MID CHANNEL CHAIN 1

2Tx 242T MODE

Channel	Frequency (MHz)	6 dB BW Chain 0 (MHz)	6 dB BW Chain 1 (MHz)	Minimum Limit (MHz)
Low	5745	19.124	19.124	0.5
Mid	5785	18.908	19.092	0.5
High	5825	19.136	19.004	0.5
144	5720	4.544	4.556	0.5



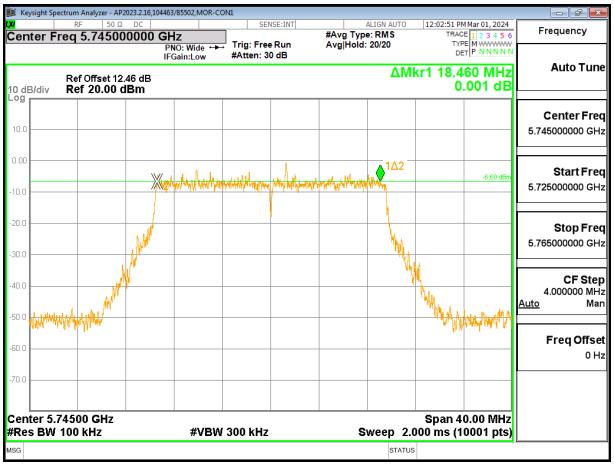
LOW CHANNEL CHAIN 0



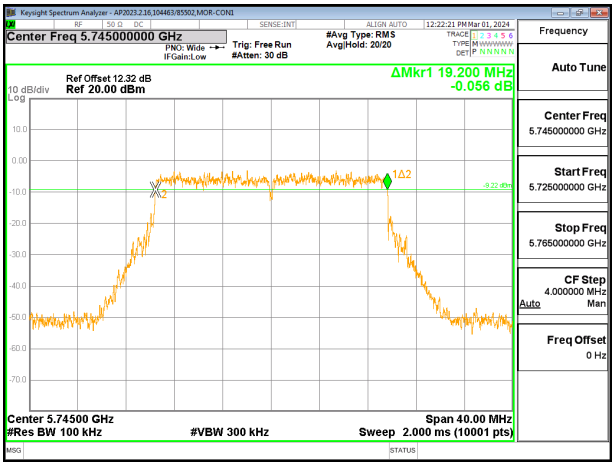
LOW CHANNEL CHAIN 1

2Tx SU MODE

Channel	Frequency (MHz)	6 dB BW Chain 0 (MHz)	6 dB BW Chain 1 (MHz)	Minimum Limit (MHz)
Low	5745	18.460	19.200	0.5
Mid	5785	18.908	19.156	0.5
High	5825	19.032	19.108	0.5
144	5720	4.572	4.608	0.5



LOW CHANNEL CHAIN 0

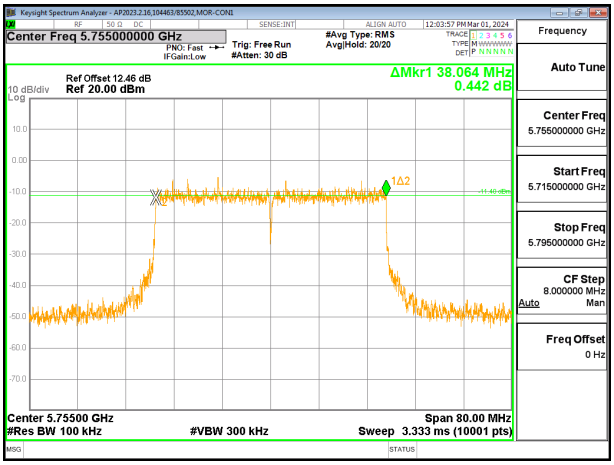


LOW CHANNEL CHAIN 1

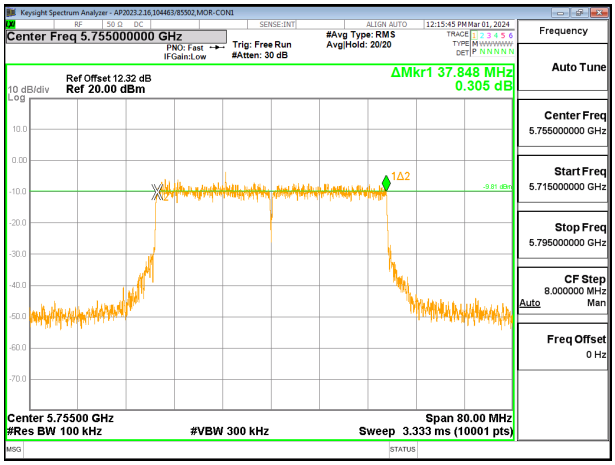
9.3.6. 802.11ax HE40 MODE 2TX IN THE 5.8GHz BAND

2Tx 484T MODE

Channel	Frequency (MHz)	6 dB BW Chain 0 (MHz)	6 dB BW Chain 1 (MHz)	Minimum Limit (MHz)
Low	5755	38.064	37.848	0.5
High	5795	38.000	37.992	0.5
142	5710	4.000	4.112	0.5



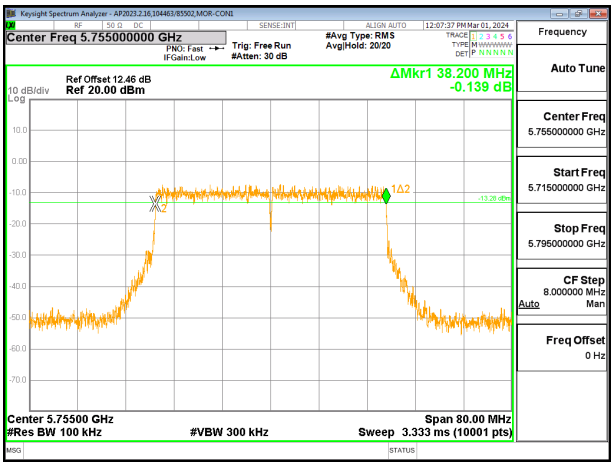
LOW CHANNEL CHAIN 0



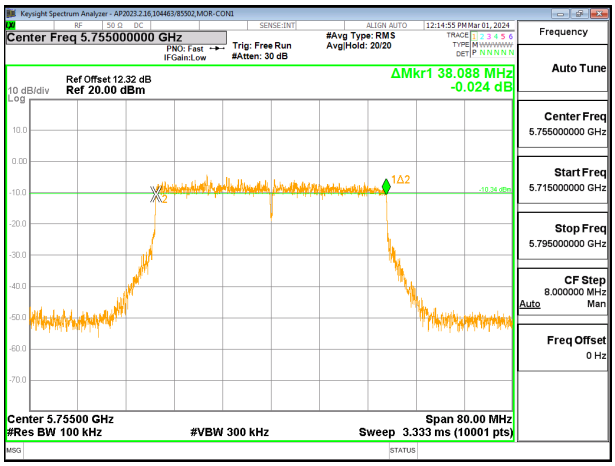
LOW CHANNEL CHAIN 1

2Tx SU MODE

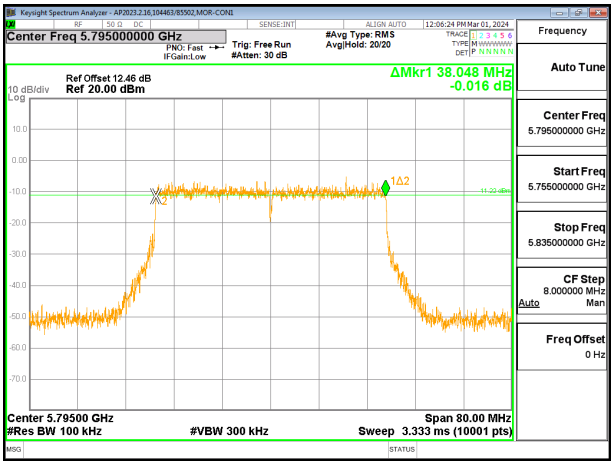
Channel	Frequency (MHz)	6 dB BW Chain 0 (MHz)	6 dB BW Chain 1 (MHz)	Minimum Limit (MHz)
Low	5755	38.200	38.088	0.5
High	5795	38.048	38.160	0.5
142	5710	4.104	4.072	0.5



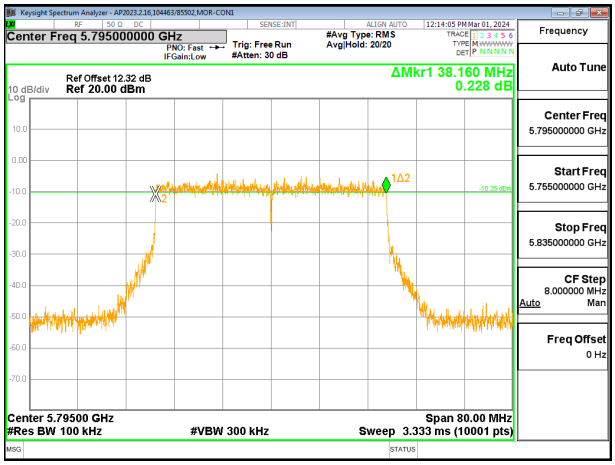
LOW CHANNEL CHAIN 0



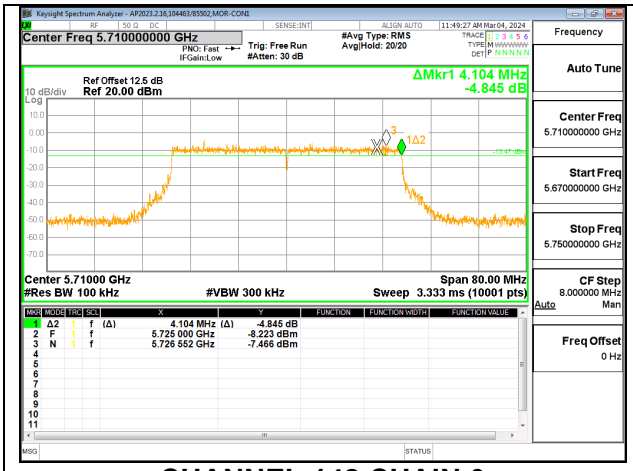
LOW CHANNEL CHAIN 1



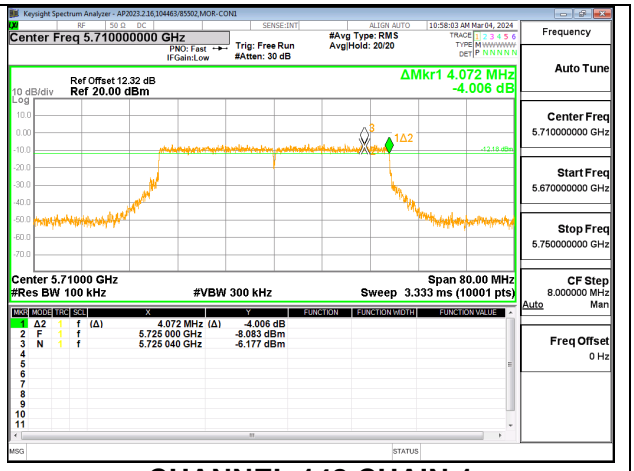
HIGH CHANNEL CHAIN 0



HIGH CHANNEL CHAIN 1



CHANNEL 142 CHAIN 0

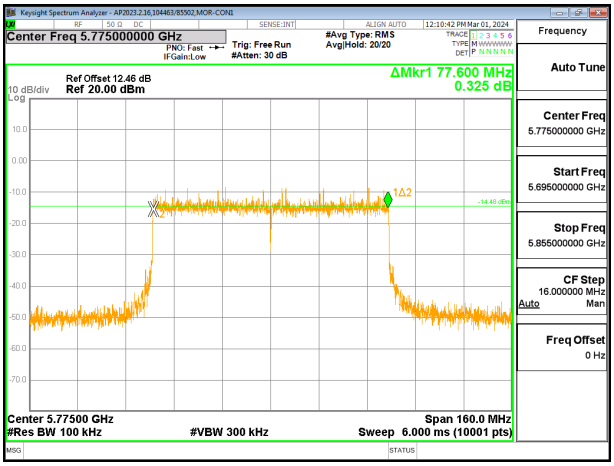


CHANNEL 142 CHAIN 1

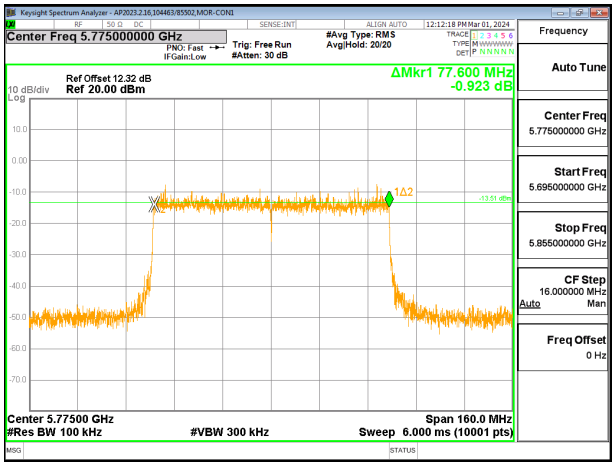
9.3.7. 802.11ax HE80 MODE 2TX IN THE 5.8GHz BAND

2Tx 996T MODE

Channel	Frequency (MHz)	6 dB BW Chain 0 (MHz)	6 dB BW Chain 1 (MHz)	Minimum Limit (MHz)
Mid	5775	77.600	77.600	0.5
138	5690	4.088	4.040	0.5



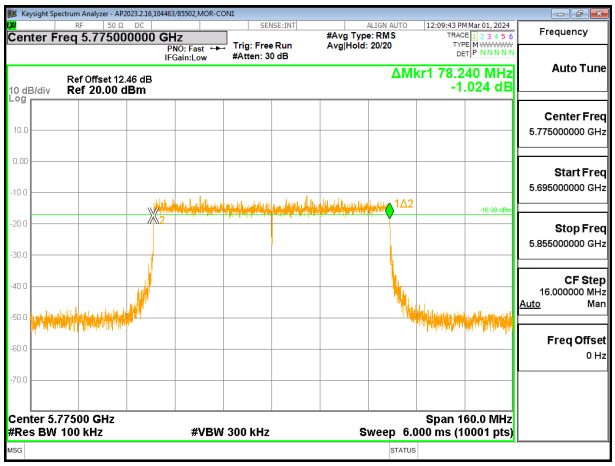
MID CHANNEL CHAIN 0



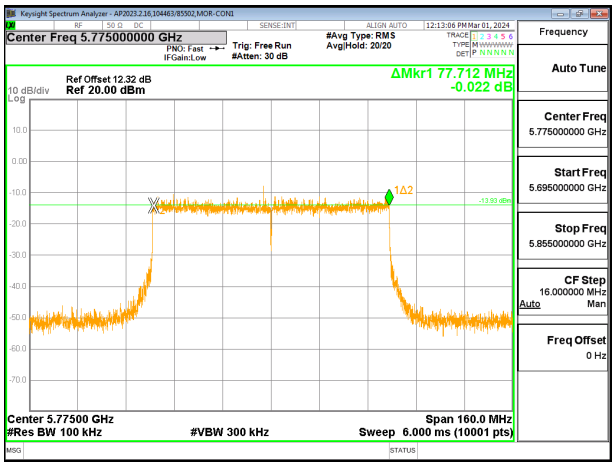
MID CHANNEL CHAIN 1

2Tx SU MODE

Channel	Frequency (MHz)	6 dB BW Chain 0 (MHz)	6 dB BW Chain 1 (MHz)	Minimum Limit (MHz)
Mid	5775	78.240	77.712	0.5
138	5690	4.088	4.008	0.5



MID CHANNEL CHAIN 0



MID CHANNEL CHAIN 1

9.4. OUTPUT POWER AND PSD

LIMITS

FCC §15.407

Band 5.15–5.25 GHz

(a)(1)(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

(a)(2)The maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 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

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 (MHz)	Chain 0 Antenna Gain (dBi)	Chain 1 Antenna Gain (dBi)	Uncorrelated Chains Directional Gain (dBi)	Correlated Chains Directional Gain (dBi)
5180-5320	-1.11	-2.21	-1.63	1.37
5500-5720	-0.63	-0.97	-0.80	2.21
5725-5850	-0.84	-0.73	-0.78	2.23

RESULTS

9.4.1. 802.11a MODE IN THE 5.2 GHz BAND

2TX CHAIN0 + CHAIN1 CDD MODE

Test Engineer:	104463/85502
Test Date:	2024-02-22

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	5180	-1.63	1.37	24.00	11.00
Mid	5200	-1.63	1.37	24.00	11.00
High	5240	-1.63	1.37	24.00	11.00

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	9.84	11.30	13.64	24.00	-10.36
Mid	5200	10.25	11.32	13.83	24.00	-10.17
High	5240	10.31	11.22	13.80	24.00	-10.20

9.4.2. 802.11n HT20 MODE IN THE 5.2 GHz BAND

2TX CHAIN0 + CHAIN1 CDD MODE

Test Engineer:	104463/85502
Test Date:	2024-02-22

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	5180	-1.63	1.37	24.00	11.00
Mid	5200	-1.63	1.37	24.00	11.00
High	5240	-1.63	1.37	24.00	11.00

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	9.97	11.20	13.64	24.00	-10.36
Mid	5200	10.21	11.25	13.77	24.00	-10.23
High	5240	10.41	11.21	13.84	24.00	-10.16

9.4.3. 802.11n HT40 MODE IN THE 5.2 GHz BAND

2TX CHAIN0 + CHAIN1 CDD MODE

Test Engineer:	85502/44389, 84740/44389
Test Date:	2023-02-02 to 2023-02-03

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	5190	-1.63	1.37	24.00	11.00
High	5230	-1.63	1.37	24.00	11.00

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	10.42	11.27	13.88	24.00	-10.12
High	5230	10.59	11.37	14.01	24.00	-9.99

9.4.4. 802.11ac VHT80 MODE IN THE 5.2 GHz BAND

2TX CHAIN0 + CHAIN1 CDD MODE

Test Engineer:	104463/85502
Test Date:	2024-02-22

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBM/ 1MHz)
Mid	5210	-1.63	1.37	24.00	11.00

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	10.38	11.35	13.90	24.00	-10.10

9.4.5. 802.11ax HE20 MODE 2TX IN THE 5.2GHz BAND

2TX 26T MODE

Test Engineer:	104463/85502
Test Date:	2024-02-22

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	5180	-1.63	1.37	24.00	11.00
Mid	5200	-1.63	1.37	24.00	11.00
High	5240	-1.63	1.37	24.00	11.00

Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd PSD**

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	8.08	8.33	11.22	24.00	-12.78
Mid	5200	7.83	8.24	11.05	24.00	-12.95
High	5240	7.26	8.35	10.85	24.00	-13.15

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	5180	4.98	5.70	8.36	11.00	-2.64
Mid	5200	3.84	4.40	7.14	11.00	-3.86
High	5240	4.39	5.29	7.87	11.00	-3.13

LOW CHANNEL CHAIN 0

LOW CHANNEL CHAIN 1

2TX 52T MODE

Test Engineer:	104463/85502
Test Date:	2024-02-22

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	5180	-1.63	1.37	24.00	11.00
Mid	5200	-1.63	1.37	24.00	11.00
High	5240	-1.63	1.37	24.00	11.00

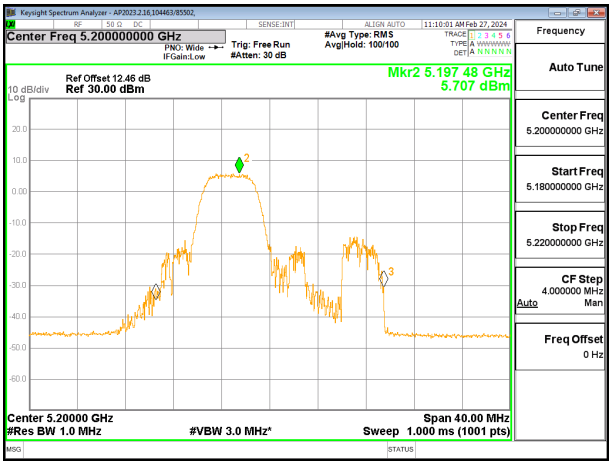
Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd PSD**

Output Power Results

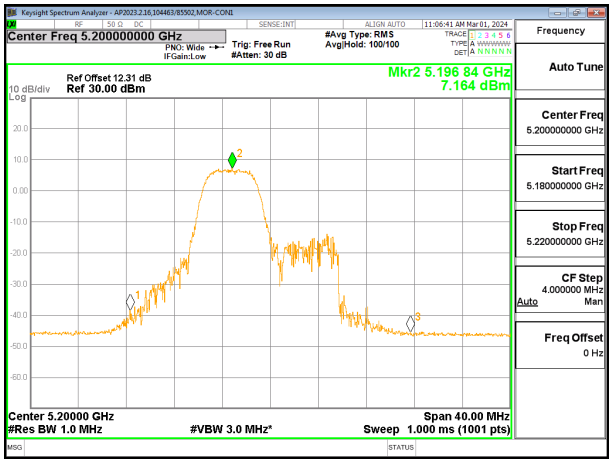
Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	10.55	11.30	13.95	24.00	-10.05
Mid	5200	10.46	11.50	14.02	24.00	-9.98
High	5240	10.72	11.18	13.97	24.00	-10.03

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	5180	5.60	7.06	9.40	11.00	-1.60
Mid	5200	5.71	7.16	9.51	11.00	-1.49
High	5240	5.30	6.95	9.21	11.00	-1.79



MID CHANNEL CHAIN 0



MID CHANNEL CHAIN 1

2TX 106T MODE

Test Engineer:	104463/85502
Test Date:	2024-02-22

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	5180	-1.63	1.37	24.00	11.00
Mid	5200	-1.63	1.37	24.00	11.00
High	5240	-1.63	1.37	24.00	11.00

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	10.58	11.43	14.04	24.00	-9.96
Mid	5200	10.09	11.11	13.64	24.00	-10.36
High	5240	10.33	11.10	13.74	24.00	-10.26

2TX 242T MODE

Test Engineer:	104463/85502
Test Date:	2024-02-22

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	5180	-1.63	1.37	24.00	11.00
Mid	5200	-1.63	1.37	24.00	11.00
High	5240	-1.63	1.37	24.00	11.00

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	10.17	11.48	13.88	24.00	-10.12
Mid	5200	10.63	11.45	14.07	24.00	-9.93
High	5240	10.21	11.13	13.70	24.00	-10.30

2TX SU MODE

Test Engineer:	104463/85502
Test Date:	2024-02-22

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	5180	-1.63	1.37	24.00	11.00
Mid	5200	-1.63	1.37	24.00	11.00
High	5240	-1.63	1.37	24.00	11.00

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	9.96	11.22	13.65	24.00	-10.35
Mid	5200	10.24	11.32	13.82	24.00	-10.18
High	5240	10.33	11.39	13.90	24.00	-10.10

9.4.6. 802.11ax HE40 MODE 2TX IN THE 5.2GHz BAND

2TX 484T MODE

Test Engineer:	104463/85502
Test Date:	2024-02-22

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	5190	-1.63	1.37	24.00	11.00
High	5230	-1.63	1.37	24.00	11.00

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	10.36	11.42	13.93	24.00	-10.07
High	5230	10.17	11.14	13.69	24.00	-10.31

2TX SU MODE

Test Engineer:	104463/85502
Test Date:	2024-02-22

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	5190	-1.63	1.37	24.00	11.00
High	5230	-1.63	1.37	24.00	11.00

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	9.89	11.31	13.67	24.00	-10.33
High	5230	10.11	11.41	13.82	24.00	-10.18

9.4.7. 802.11ax HE80 MODE 2TX IN THE 5.2GHz BAND

2TX 996T MODE

Test Engineer:	104463/85502
Test Date:	2024-02-22

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Mid	5210	-1.63	1.37	24.00	11.00

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	10.43	11.45	13.98	24.00	-10.02

2TX SU MODE

Test Engineer:	104463/85502
Test Date:	2024-02-22

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Mid	5210	-1.63	1.37	24.00	11.00

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	10.76	11.49	14.15	24.00	-9.85

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9.4.8. 802.11a MODE IN THE 5.3 GHz BAND

2TX CHAIN0 + CHAIN1 CDD MODE

Test Engineer:	104463/85502
Test Date:	2024-02-22

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	5260	23.68	-1.63	1.37	24.00	11.00
Mid	5300	23.24	-1.63	1.37	24.00	11.00
High	5320	23.48	-1.63	1.37	24.00	11.00

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	10.47	11.29	13.91	24.00	-10.09
Mid	5300	10.59	11.23	13.93	24.00	-10.07
High	5320	9.98	11.12	13.60	24.00	-10.40

9.4.9. 802.11n HT20 MODE IN THE 5.3 GHz BAND

2TX CHAIN0 + CHAIN1 CDD MODE

Test Engineer:	104463/85502
Test Date:	2024-02-22

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	5260	23.76	-1.63	1.37	24.00	11.00
Mid	5300	23.52	-1.63	1.37	24.00	11.00
High	5320	23.88	-1.63	1.37	24.00	11.00

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	10.64	11.38	14.04	24.00	-9.96
Mid	5300	10.70	11.32	14.03	24.00	-9.97
High	5320	10.08	11.19	13.68	24.00	-10.32

9.4.10. 802.11n HT40 MODE IN THE 5.3 GHz BAND

2TX CHAIN0 + CHAIN1 CDD MODE

Test Engineer:	104463/85502
Test Date:	2024-02-22

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	5270	46.32	-1.63	1.37	24.00	11.00
High	5310	46.40	-1.63	1.37	24.00	11.00

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	10.61	11.38	14.02	24.00	-9.98
High	5310	10.30	11.34	13.86	24.00	-10.14

9.4.11. 802.11ac VHT80 MODE IN THE 5.3 GHz BAND

2TX CHAIN0 + CHAIN1 CDD MODE

Test Engineer:	104463/85502
Test Date:	2024-02-22

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)
Mid	5290	94.72	-1.63	1.37	24.00	11.00

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	10.23	10.79	13.53	24.00	-10.47

9.4.12. 802.11ac VHT160 MODE IN THE 5.2/5.3 GHz BAND

2TX CHAIN0 + CHAIN1 CDD MODE

Test Engineer:	104463/85502
Test Date:	2024-02-22

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)
Mid	5250	176.96	-1.63	1.37	24.00	11.00

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	10.43	11.33	13.91	24.00	-10.09

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9.4.13. 802.11ax HE20 MODE 2TX IN THE 5.3GHz BAND

2TX 26T MODE

Test Engineer:	104463/85502
Test Date:	2024-02-22

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	5260	20.60	-1.63	1.37	24.00	11.00
Mid	5300	18.48	-1.63	1.37	23.67	11.00
High	5320	20.40	-1.63	1.37	24.00	11.00

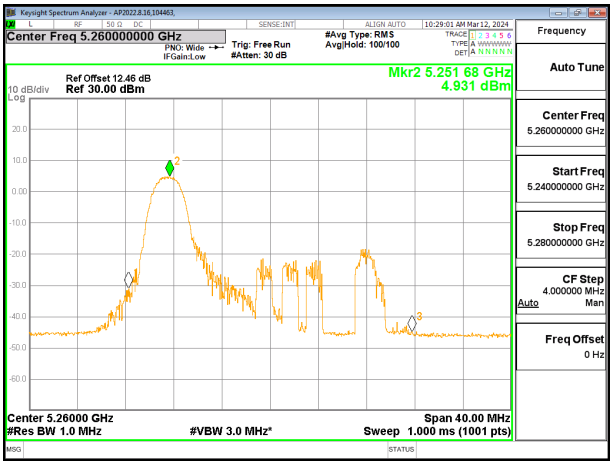
Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd PSD**

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	7.61	8.26	10.96	24.00	-13.04
Mid	5300	7.82	8.33	11.09	23.67	-12.57
High	5320	7.81	8.07	10.95	24.00	-13.05

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	5260	4.93	5.58	8.28	11.00	-2.72
Mid	5300	3.76	4.45	7.13	11.00	-3.87
High	5320	4.69	4.78	7.75	11.00	-3.25



LOW CHANNEL CHAIN 0

LOW CHANNEL CHAIN 1

2TX 52T MODE

Test Engineer:	104463/85502
Test Date:	2024-02-22

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	5260	20.76	-1.63	1.37	24.00	11.00
Mid	5300	18.80	-1.63	1.37	23.74	11.00
High	5320	20.80	-1.63	1.37	24.00	11.00

Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd PSD**

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	10.62	11.34	14.01	24.00	-9.99
Mid	5300	10.52	11.13	13.85	23.74	-9.90
High	5320	10.39	11.45	13.96	24.00	-10.04

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	5260	5.73	6.62	9.21	11.00	-1.79
Mid	5300	4.99	6.01	8.54	11.00	-2.46
High	5320	4.53	6.07	8.38	11.00	-2.62

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LOW CHANNEL CHAIN 0

LOW CHANNEL CHAIN 1

2TX 106T MODE

Test Engineer:	104463/85502
Test Date:	2024-02-22

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	5260	21.56	-1.63	1.37	24.00	11.00
Mid	5300	21.60	-1.63	1.37	24.00	11.00
High	5320	21.20	-1.63	1.37	24.00	11.00

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	10.64	11.28	13.98	24.00	-10.02
Mid	5300	10.66	11.22	13.96	24.00	-10.04
High	5320	10.37	11.48	13.97	24.00	-10.03

2TX 242T MODE

Test Engineer:	104463/85502
Test Date:	2024-02-22

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	5260	22.64	-1.63	1.37	24.00	11.00
Mid	5300	22.92	-1.63	1.37	24.00	11.00
High	5320	22.52	-1.63	1.37	24.00	11.00

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	10.43	11.15	13.82	24.00	-10.18
Mid	5300	10.91	11.37	14.16	24.00	-9.84
High	5320	10.33	11.37	13.89	24.00	-10.11

2TX SU MODE

Test Engineer:	104463/85502
Test Date:	2024-02-22

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	5260	23.12	-1.63	1.37	24.00	11.00
Mid	5300	23.28	-1.63	1.37	24.00	11.00
High	5320	22.84	-1.63	1.37	24.00	11.00

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	10.61	11.44	14.06	24.00	-9.94
Mid	5300	10.72	11.18	13.97	24.00	-10.03
High	5320	10.12	11.22	13.72	24.00	-10.28

9.4.14. 802.11ax HE40 MODE 2TX IN THE 5.3GHz BAND

2TX 484T

Test Engineer:	104463/85502
Test Date:	2024-02-22

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	5270	44.08	-1.63	1.37	24.00	11.00
High	5310	43.28	-1.63	1.37	24.00	11.00

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	10.76	11.45	14.13	24.00	-9.87
High	5310	10.45	11.40	13.96	24.00	-10.04

2TX SU

Test Engineer:	104463/85502
Test Date:	2024-02-22

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	5270	44.16	-1.63	1.37	24.00	11.00
High	5310	44.72	-1.63	1.37	24.00	11.00

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	10.44	11.25	13.87	24.00	-10.13
High	5310	10.22	11.27	13.79	24.00	-10.21

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9.4.15. 802.11ax HE80 MODE 2TX IN THE 5.3GHz BAND

2TX 996T

Test Engineer:	104463/85502
Test Date:	2024-02-22

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	5290	89.28	-1.63	1.37	24.00	11.00

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	10.44	10.80	13.63	24.00	-10.37

2TX SU

Test Engineer:	104463/85502
Test Date:	2024-02-22

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	5290	89.12	-1.63	1.37	24.00	11.00

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	9.81	10.56	13.21	24.00	-10.79

9.4.16. 802.11ax HE160 MODE 2TX IN THE 5.2GHz & 5.3GHz BAND

2TX 2x996T MODE

Test Engineer:	104463/85502
Test Date:	2024-02-22

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)
Mid	5250	173.44	-1.63	1.37	24.00	11.00

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	10.63	11.42	14.05	24.00	-9.95

2TX SU MODE

Test Engineer:	104463/85502
Test Date:	2024-02-22

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)
Mid	5250	175.04	-1.63	1.37	24.00	11.00

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	10.64	11.46	14.08	24.00	-9.92

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9.4.17. 802.11a MODE IN THE 5.6 GHz BAND

2TX CHAIN0 + CHAIN1 CDD MODE

Test Engineer:	104463/85502
Test Date:	2024-02-22

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	5500	23.40	-0.80	2.21	24.00	11.00
Mid	5580	23.32	-0.80	2.21	24.00	11.00
High	5700	23.44	-0.80	2.21	24.00	11.00
144	5720	16.92	-0.80	2.21	23.28	11.00

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	5500	10.16	11.46	13.87	24.00	-10.13
Mid	5580	9.58	11.26	13.51	24.00	-10.49
High	5700	10.51	11.15	13.85	24.00	-10.15
144	5720	10.43	10.96	13.71	23.28	-9.57

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9.4.18. 802.11n HT20 MODE IN THE 5.6 GHz BAND

2TX CHAIN0 + CHAIN1 CDD MODE

Test Engineer:	104463/85502
Test Date:	2024-02-22

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	5500	23.96	-0.80	2.21	24.00	11.00
Mid	5580	23.64	-0.80	2.21	24.00	11.00
High	5700	23.80	-0.80	2.21	24.00	11.00
144	5720	16.92	-0.80	2.21	23.28	11.00

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	5500	10.25	11.43	13.89	24.00	-10.11
Mid	5580	9.76	11.43	13.69	24.00	-10.31
High	5700	10.60	11.20	13.92	24.00	-10.08
144	5720	10.61	11.33	14.00	23.28	-9.29

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9.4.19. 802.11n HT40 MODE IN THE 5.6 GHz BAND

2TX CHAIN0 + CHAIN1 CDD MODE

Test Engineer:	104463/85502
Test Date:	2024-02-22

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	5510	45.68	-0.80	2.21	24.00	11.00
Mid	5550	45.92	-0.80	2.21	24.00	11.00
High	5670	45.84	-0.80	2.21	24.00	11.00
142	5710	38.12	-0.80	2.21	24.00	11.00

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	9.90	11.43	13.74	24.00	-10.26
Mid	5550	9.62	11.44	13.63	24.00	-10.37
High	5670	10.83	11.38	14.12	24.00	-9.88
142	5710	10.78	11.23	14.02	24.00	-9.98

9.4.20. 802.11ac VHT80 MODE IN THE 5.6 GHz BAND

2TX CHAIN0 + CHAIN1 CDD MODE

Test Engineer:	104463/85502
Test Date:	2024-02-22

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	5530	94.24	-0.80	2.21	24.00	11.00
High	5610	93.76	-0.80	2.21	24.00	11.00
138	5690	81.56	-0.80	2.21	24.00	11.00

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	8.64	10.36	12.59	24.00	-11.41
High	5610	10.10	11.36	13.79	24.00	-10.21
138	5690	10.74	11.33	14.06	24.00	-9.94

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9.4.21. 802.11ac VHT160 MODE IN THE 5.6 GHz BAND

2TX CHAIN0 + CHAIN1 CDD MODE

Test Engineer:	104463/85502
Test Date:	2024-02-22

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	5570	177.28	-0.80	2.21	24.00	11.00

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	5570	7.83	9.43	11.71	24.00	-12.29

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

2TX 26T MODE

Test Engineer:	104463/85502
Test Date:	2024-02-22

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	5500	20.60	-0.80	2.21	24.00	11.00
Mid	5580	18.48	-0.80	2.21	23.67	11.00
High	5700	20.48	-0.80	2.21	24.00	11.00
144	5720	16.28	-0.80	2.21	23.12	11.00

Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd PSD**

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	8.14	8.48	11.32	24.00	-12.68
Mid	5580	7.22	8.13	10.71	23.67	-12.96
High	5700	8.29	7.97	11.14	24.00	-12.86
144	5720	8.41	8.23	11.33	23.12	-11.79

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	5500	5.52	5.63	8.58	11.00	-2.42
Mid	5580	3.92	4.79	7.39	11.00	-3.61
High	5700	5.83	5.67	8.76	11.00	-2.24
144	5720	5.99	6.38	9.20	11.00	-1.80

CHANNEL 144 CHAIN 0

CHANNEL 144 CHAIN 1

2TX 52T MODE

Test Engineer:	104463/85502
Test Date:	2024-02-22

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	5500	20.84	-0.80	2.21	24.00	11.00
Mid	5580	18.84	-0.80	2.21	23.75	11.00
High	5700	20.80	-0.80	2.21	24.00	11.00
144	5720	16.44	-0.80	2.21	23.16	11.00

Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd PSD**

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	9.98	11.22	13.65	24.00	-10.35
Mid	5580	9.79	11.49	13.73	23.75	-10.02
High	5700	10.62	11.15	13.90	24.00	-10.10
144	5720	10.01	10.94	13.51	23.16	-9.65

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	5500	3.96	5.58	7.85	11.00	-3.15
Mid	5580	4.85	6.54	8.79	11.00	-2.21
High	5700	6.60	7.14	9.89	11.00	-1.11
144	5720	6.93	6.91	9.93	11.00	-1.07

CHANNEL 144 CHAIN 0

CHANNEL 144 CHAIN 1

2TX 106T MODE

Test Engineer:	104463/85502
Test Date:	2024-02-22

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	5500	21.56	-0.80	2.21	24.00	11.00
Mid	5580	21.52	-0.80	2.21	24.00	11.00
High	5700	21.56	-0.80	2.21	24.00	11.00
144	5720	16.44	-0.80	2.21	23.16	11.00

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	5500	9.85	11.05	13.50	24.00	-10.50
Mid	5580	9.82	11.03	13.48	24.00	-10.52
High	5700	10.54	11.20	13.89	24.00	-10.11
144	5720	10.38	11.44	13.95	23.16	-9.21

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2TX 242T MODE

Test Engineer:	104463/85502
Test Date:	2024-02-22

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	5500	22.92	-0.80	2.21	24.00	11.00
Mid	5580	22.80	-0.80	2.21	24.00	11.00
High	5700	22.40	-0.80	2.21	24.00	11.00
144	5720	16.40	-0.80	2.21	23.15	11.00

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	5500	9.83	11.39	13.69	24.00	-10.31
Mid	5580	9.75	11.46	13.70	24.00	-10.30
High	5700	10.90	11.43	14.18	24.00	-9.82
144	5720	10.76	11.48	14.15	23.15	-9.00

2TX SU MODE

Test Engineer:	104463/85502
Test Date:	2024-02-22

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	5500	23.64	-0.80	2.21	24.00	11.00
Mid	5580	23.40	-0.80	2.21	24.00	11.00
High	5700	23.76	-0.80	2.21	24.00	11.00
144	5720	16.65	-0.80	2.21	23.21	11.00

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	5500	9.76	11.19	13.54	24.00	-10.46
Mid	5580	9.90	11.24	13.63	24.00	-10.37
High	5700	10.71	11.30	14.03	24.00	-9.97
144	5720	10.57	11.40	14.02	23.21	-9.20

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

2TX 484T MODE

Test Engineer:	104463/85502
Test Date:	2024-02-22

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	5510	43.76	-0.80	2.21	24.00	11.00
Mid	5590	44.16	-0.80	2.21	24.00	11.00
High	5670	43.76	-0.80	2.21	24.00	11.00
142	5710	37.00	-0.80	2.21	24.00	11.00

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	8.83	10.49	12.75	24.00	-11.25
Mid	5590	9.96	11.43	13.77	24.00	-10.23
High	5670	10.60	11.36	14.01	24.00	-9.99
142	5710	10.53	11.16	13.87	24.00	-10.13

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2TX SU MODE

Test Engineer:	104463/85502
Test Date:	2024-02-22

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	5510	45.04	-0.80	2.21	24.00	11.00
Mid	5590	44.88	-0.80	2.21	24.00	11.00
High	5670	44.56	-0.80	2.21	24.00	11.00
142	5710	37.32	-0.80	2.21	24.00	11.00

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	9.97	11.18	13.63	24.00	-10.37
Mid	5590	9.74	11.19	13.54	24.00	-10.46
High	5670	10.21	11.03	13.65	24.00	-10.35
142	5710	10.04	10.88	13.49	24.00	-10.51

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

2TX 996T MODE

Test Engineer:	104463/85502
Test Date:	2024-02-22

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	5530	89.28	-0.80	2.21	24.00	11.00
High	5610	89.60	-0.80	2.21	24.00	11.00
138	5690	79.16	-0.80	2.21	24.00	11.00

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	9.30	10.38	12.88	24.00	-11.12
High	5610	9.65	11.12	13.46	24.00	-10.54
138	5690	10.34	10.96	13.67	24.00	-10.33

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2TX SU MODE

Test Engineer:	104463/85502
Test Date:	2024-02-22

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	5530	91.52	-0.80	2.21	24.00	11.00
High	5610	92.00	-0.80	2.21	24.00	11.00
138	5690	78.52	-0.80	2.21	24.00	11.00

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	8.79	10.26	12.60	24.00	-11.40
High	5610	9.49	10.67	13.13	24.00	-10.87
138	5690	9.93	10.68	13.33	24.00	-10.67

9.4.2. 802.11ax HE160 MODE 2TX IN THE 5.6GHz BAND

2TX 2x996T MODE

Test Engineer:	104463/85502
Test Date:	2024-02-22

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)
Mid	5570	174.08	-0.80	2.21	24.00	11.00

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	8.80	10.12	12.52	24.00	-11.48

2TX SU MODE

Test Engineer:	104463/85502
Test Date:	2024-02-22

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)
Mid	5570	176.64	-0.80	2.21	24.00	11.00

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	7.57	9.23	11.49	24.00	-12.51

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9.4.3. 802.11a MODE IN THE 5.8 GHz BAND

2TX CHAIN0 + CHAIN1 CDD MODE

Test Engineer:	104463/85502
Test Date:	2024-02-22

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 500KHz)
Low	5745	-0.78	2.23	30.00	30.00
Mid	5785	-0.78	2.23	30.00	30.00
High	5825	-0.78	2.23	30.00	30.00
144	5720	-0.78	2.23	30.00	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	9.97	11.43	13.77	30.00	-16.23
Mid	5785	10.39	11.37	13.92	30.00	-16.08
High	5825	10.36	11.14	13.78	30.00	-16.22
144	5720	10.43	10.96	13.71	30.00	-16.29

9.4.4. 802.11n HT20 MODE IN THE 5.8 GHz BAND

2TX CHAIN0 + CHAIN1 CDD MODE

Test Engineer:	104463/85502
Test Date:	2024-02-22

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 500KHz)
Low	5745	-0.78	2.23	30.00	30.00
Mid	5785	-0.78	2.23	30.00	30.00
High	5825	-0.78	2.23	30.00	30.00
144	5720	-0.78	2.23	30.00	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	9.96	11.43	13.77	30.00	-16.23
Mid	5785	10.31	11.45	13.93	30.00	-16.07
High	5825	10.29	11.22	13.79	30.00	-16.21
144	5720	10.61	11.33	14.00	30.00	-16.00

9.4.5. 802.11n HT40 MODE IN THE 5.8 GHz BAND

2TX CHAIN0 + CHAIN1 CDD MODE

Test Engineer:	104463/85502
Test Date:	2024-02-22

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 500KHz)
Low	5755	-0.78	2.23	30.00	30.00
High	5795	-0.78	2.23	30.00	30.00
142	5710	-0.78	2.23	30.00	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	9.89	11.47	13.76	30.00	-16.24
High	5795	10.35	11.44	13.94	30.00	-16.06
142	5710	10.78	11.23	14.02	30.00	-15.98

9.4.6. 802.11ac VHT80 MODE IN THE 5.8 GHz BAND

2TX CHAIN0 + CHAIN1 CDD MODE

Test Engineer:	104463/85502
Test Date:	2024-02-22

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 500KHz)
Mid	5775	-0.78	2.23	30.00	30.00
138	5690	-0.78	2.23	30.00	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	5775	7.78	8.46	11.15	30.00	-18.85
138	5690	10.74	11.33	14.06	30.00	-15.94

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9.4.7. 802.11ax HE20 MODE 2TX IN THE 5.8GHz BAND

2TX 26T MODE

Test Engineer:	104463/85502
Test Date:	2024-02-22

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBm)	FCC/ISED Power Limit (dBm)	FCC/ISED PSD Limit (dBm/ 500KHz)
Low	5745	-0.78	2.23	30.00	30.00
Mid	5785	-0.78	2.23	30.00	30.00
High	5825	-0.78	2.23	30.00	30.00
144	5720	-0.78	2.23	30.00	30.00

Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd PSD**

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	8.24	8.23	11.25	30.00	-18.75
Mid	5785	8.18	8.26	11.23	30.00	-18.77
High	5825	8.39	8.04	11.23	30.00	-18.77
144	5720	8.47	8.15	11.32	30.00	-18.68

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	5745	3.204	3.591	6.412	30.00	-23.59
Mid	5785	3.020	2.799	5.921	30.00	-24.08
High	5825	3.238	3.042	6.151	30.00	-23.85
144	5720	3.156	2.807	5.995	30.00	-24.00

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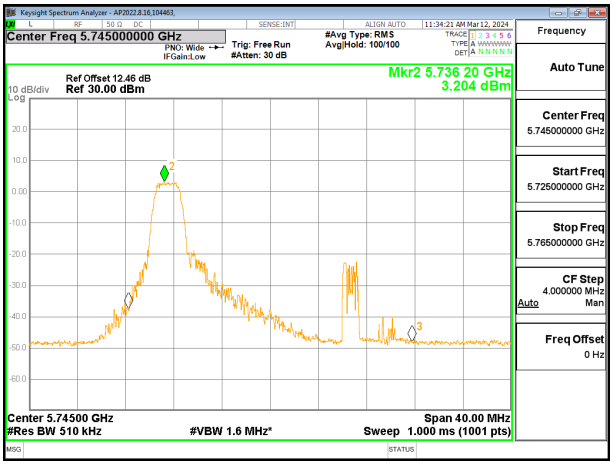
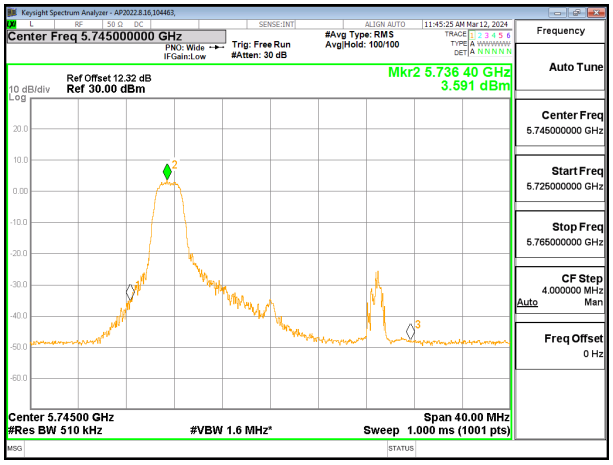


LOW CHANNEL CHAIN 0



LOW CHANNEL CHAIN 1

2TX 52T MODE

Test Engineer:	104463/85502
Test Date:	2024-02-22

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBm)	FCC/ISED Power Limit (dBm)	FCC/ISED PSD Limit (dBm/ 500KHz)
Low	5745	-0.78	2.23	30.00	30.00
Mid	5785	-0.78	2.23	30.00	30.00
High	5825	-0.78	2.23	30.00	30.00
144	5720	-0.78	2.23	30.00	30.00

Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd Power & PSD**

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	9.54	11.21	13.47	30.00	-16.53
Mid	5785	10.26	11.23	13.78	30.00	-16.22
High	5825	10.50	11.27	13.91	30.00	-16.09
144	5720	10.41	11.36	13.92	30.00	-16.08

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	5745	3.113	4.302	6.758	30.00	-23.24
Mid	5785	3.104	4.020	6.596	30.00	-23.40
High	5825	3.390	3.957	6.693	30.00	-23.31
144	5720	4.136	4.700	7.437	30.00	-22.56

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CHANNEL 144 CHAIN 0

CHANNEL 144 CHAIN 1

2TX 106T MODE

Test Engineer:	104463/85502
Test Date:	2024-02-22

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBm)	FCC/ISED Power Limit (dBm)	FCC/ISED PSD Limit (dBm/ 500KHz)
Low	5745	-0.78	2.23	30.00	30.00
Mid	5785	-0.78	2.23	30.00	30.00
High	5825	-0.78	2.23	30.00	30.00
144	5720	-0.78	2.23	30.00	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	9.78	11.47	13.72	30.00	-16.28
Mid	5785	10.45	11.30	13.91	30.00	-16.09
High	5825	10.64	11.42	14.06	30.00	-15.94
144	5720	10.41	11.32	13.90	30.00	-16.10

2TX 242T MODE

Test Engineer:	104463/85502
Test Date:	2024-02-22

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBm)	FCC/ISED Power Limit (dBm)	FCC/ISED PSD Limit (dBm/ 500KHz)
Low	5745	-0.78	2.23	30.00	30.00
Mid	5785	-0.78	2.23	30.00	30.00
High	5825	-0.78	2.23	30.00	30.00
144	5720	-0.78	2.23	30.00	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	9.31	10.91	13.19	30.00	-16.81
Mid	5785	10.25	11.17	13.74	30.00	-16.26
High	5825	10.53	11.25	13.92	30.00	-16.08
144	5720	10.76	11.48	14.15	30.00	-15.85

2TX SU MODE

Test Engineer:	104463/85502
Test Date:	2024-02-22

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBm)	FCC/ISED Power Limit (dBm)	FCC/ISED PSD Limit (dBm/ 500KHz)
Low	5745	-0.78	2.23	30.00	30.00
Mid	5785	-0.78	2.23	30.00	30.00
High	5825	-0.78	2.23	30.00	30.00
144	5720	-0.78	2.23	30.00	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	10.01	11.45	13.80	30.00	-16.20
Mid	5785	10.60	11.49	14.08	30.00	-15.92
High	5825	10.42	11.21	13.84	30.00	-16.16
144	5720	10.57	11.40	14.02	30.00	-15.98

9.4.8. 802.11ax HE40 MODE 2TX IN THE 5.8GHz BAND

2TX 484T MODE

Test Engineer:	104463/85502
Test Date:	2024-02-22

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	FCC PSD Limit (dBm/ 500KHz)
Low	5755	-0.78	2.23	30.00	30.00
High	5795	-0.78	2.23	30.00	30.00
142	5710	-0.78	2.23	30.00	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	8.87	10.41	12.72	30.00	-17.28
High	5795	10.31	11.15	13.76	30.00	-16.24
142	5710	10.53	11.16	13.87	30.00	-16.13

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2TX SU MODE

Test Engineer:	104463/85502
Test Date:	2024-02-22

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	FCC PSD Limit (dBm/ 500KHz)
Low	5755	-0.78	2.23	30.00	30.00
High	5795	-0.78	2.23	30.00	30.00
142	5710	-0.78	2.23	30.00	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	9.92	11.46	13.77	30.00	-16.23
High	5795	10.43	11.48	14.00	30.00	-16.00
142	5710	10.04	10.88	13.49	30.00	-16.51

9.4.9. 802.11ax HE80 MODE 2TX IN THE 5.8GHz BAND

2TX 996T MODE

Test Engineer:	104463/85502
Test Date:	2024-02-22

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	FCC PSD Limit (dBm/ 500KHz)
Mid	5775	-0.78	2.23	30.00	30.00
138	5690	-0.78	2.23	30.00	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	5775	9.17	10.15	12.70	30.00	-17.30
138	5690	10.34	10.96	13.67	30.00	-16.33

2TX SU MODE

Test Engineer:	104463/85502
Test Date:	2024-02-22

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	FCC PSD Limit (dBm/ 500KHz)
Mid	5775	-0.78	2.23	30.00	30.00
138	5690	-0.78	2.23	30.00	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	5775	8.06	8.70	11.40	30.00	-18.60
138	5690	9.93	10.68	13.33	30.00	-16.67

10. RADIATED TEST RESULTS

LIMITS

FCC §15.205 and §15.209 - Restricted bands
FCC §15.407(b)(1-2) - Unrestricted bands

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

TEST PROCEDURE

The EUT is placed on a non-conducting table 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 3 MHz 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 applicable for average measurements.

The spectrum from 1 GHz to 18 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band. Below 1GHz and above 18GHz emissions, the channel with the highest power spectral density was tested.

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).

Based 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.

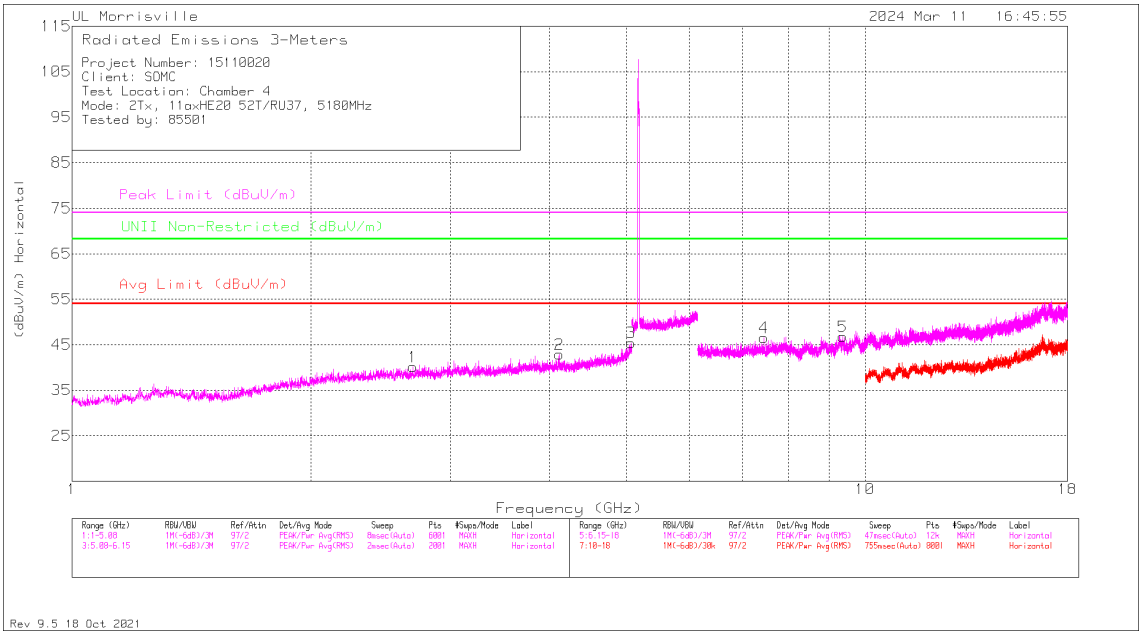
10.1. TRANSMITTER ABOVE 1 GHz

10.1.1. 802.11ax HE20 MODE IN THE 5.2GHz BAND

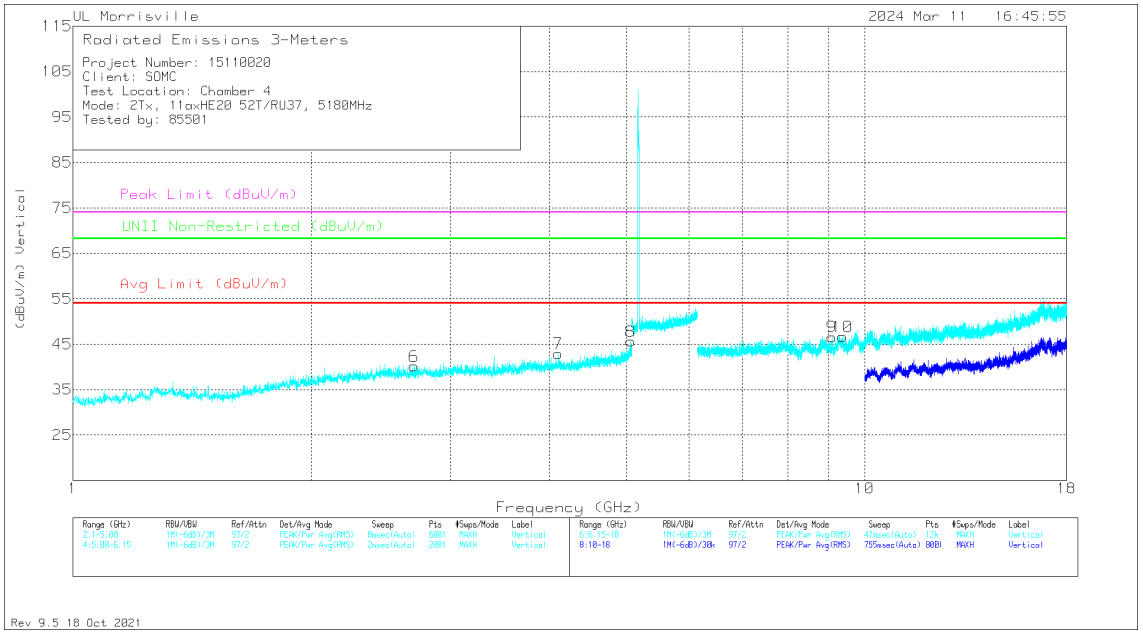
2TX 52T MODE

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL



HORIZONTAL



VERTICAL

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	* ** 2.69116	43.56	Pk	32.3	-35.7	40.16	54	-13.84	74	-33.84	-	-	0-360	100	H
2	* ** 4.11712	41.07	Pk	33.4	-31.6	42.87	54	-11.13	74	-31.13	-	-	0-360	100	H
3	* ** 5.07184	40.23	Pk	34.1	-28.9	45.43	54	-8.57	74	-28.57	-	-	0-360	100	H
6	* ** 2.69728	43.56	Pk	32.4	-35.8	40.16	54	-13.84	74	-33.84	-	-	0-360	200	V
7	* ** 4.10148	41.54	Pk	33.4	-32	42.94	54	-11.06	74	-31.06	-	-	0-360	200	V
8	* ** 5.06368	40.32	Pk	34.1	-28.8	45.62	54	-8.38	74	-28.38	-	-	0-360	200	V
4	* ** 7.45153	38.77	Pk	35.7	-27.9	46.57	54	-7.43	74	-27.43	-	-	0-360	100	H
5	* ** 9.36728	35.8	Pk	36.5	-25.5	46.8	54	-7.2	74	-27.2	-	-	0-360	100	H
9	* ** 9.09473	35.61	Pk	36.3	-25.3	46.61	54	-7.39	74	-27.39	-	-	0-360	200	V
10	* ** 9.3811	35.16	Pk	36.6	-25.1	46.66	54	-7.34	74	-27.34	-	-	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

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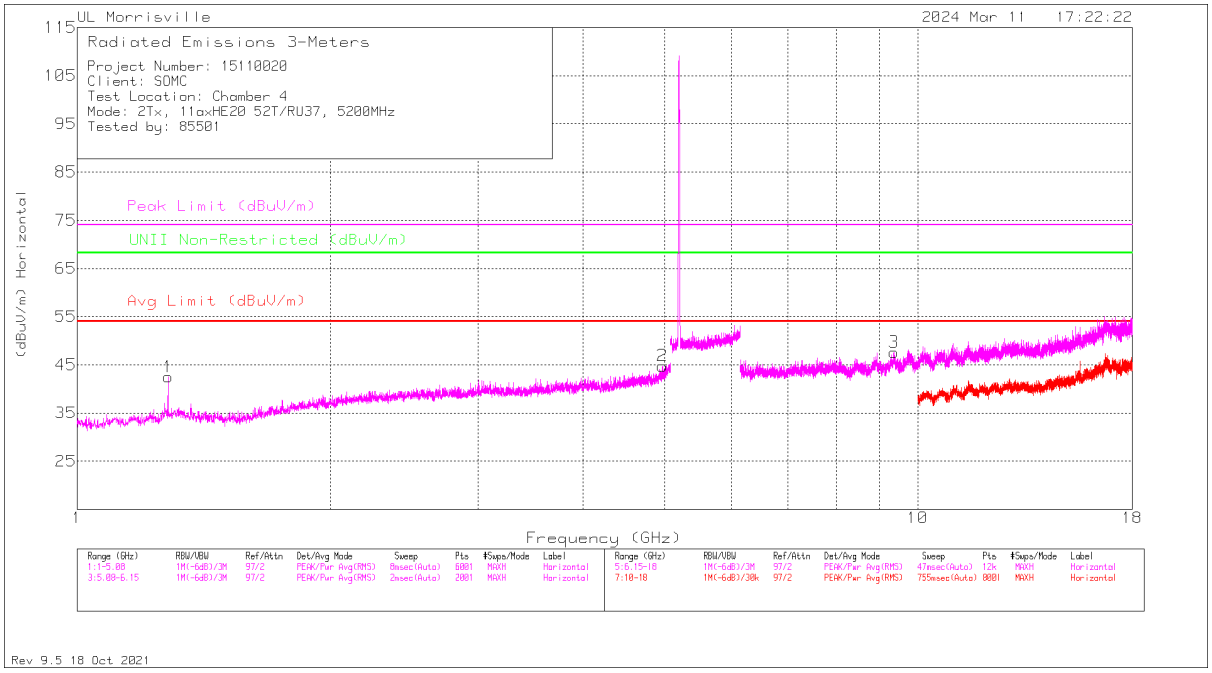
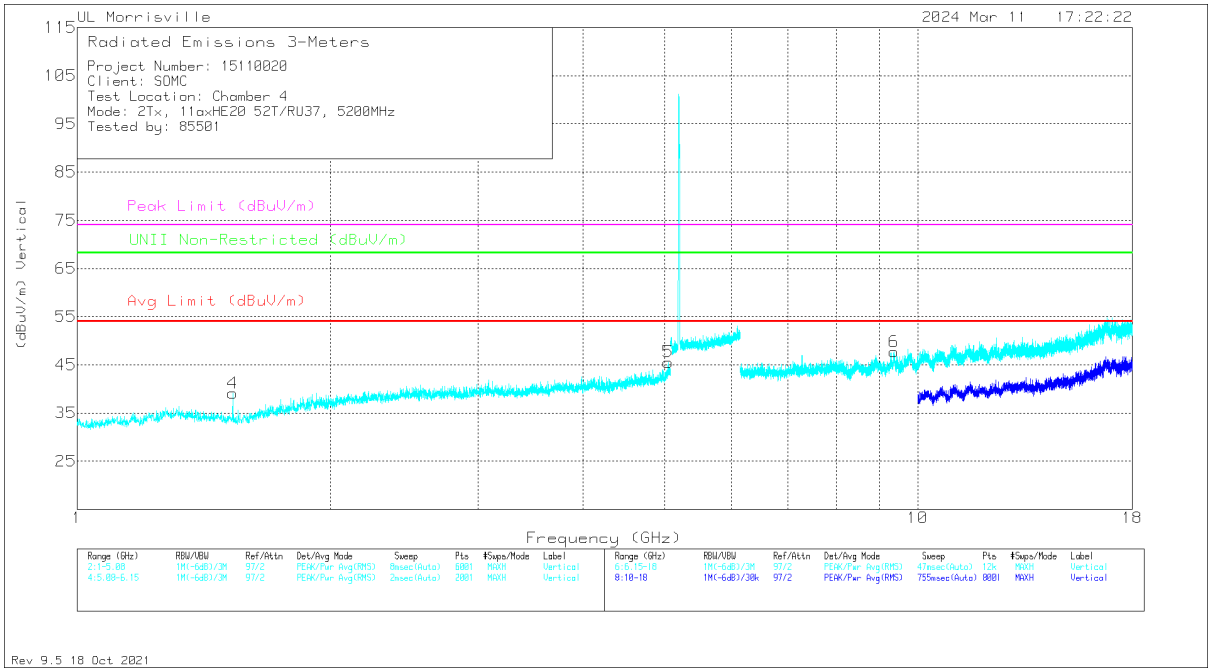
MID CHANNEL



HORIZONTAL



VERTICAL

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	* 1.28288	49.11	Pk	29.2	-35.8	42.51	54	-11.49	74	-31.49	-	-	0-360	100	H
2	* ** 4.96984	41.18	Pk	34	-30.4	44.78	54	-9.22	74	-29.22	-	-	0-360	100	H
4	* ** 1.53108	47	Pk	27.8	-35.7	39.1	54	-14.9	74	-34.9	-	-	0-360	200	V
5	* ** 5.04736	41.06	Pk	34.1	-29.6	45.56	54	-8.44	74	-28.44	-	-	0-360	200	V
3	* ** 9.36629	36.5	Pk	36.5	-25.4	47.6	54	-6.4	74	-26.4	-	-	0-360	100	H
6	* ** 9.36826	36.79	Pk	36.5	-25.6	47.69	54	-6.31	74	-26.31	-	-	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

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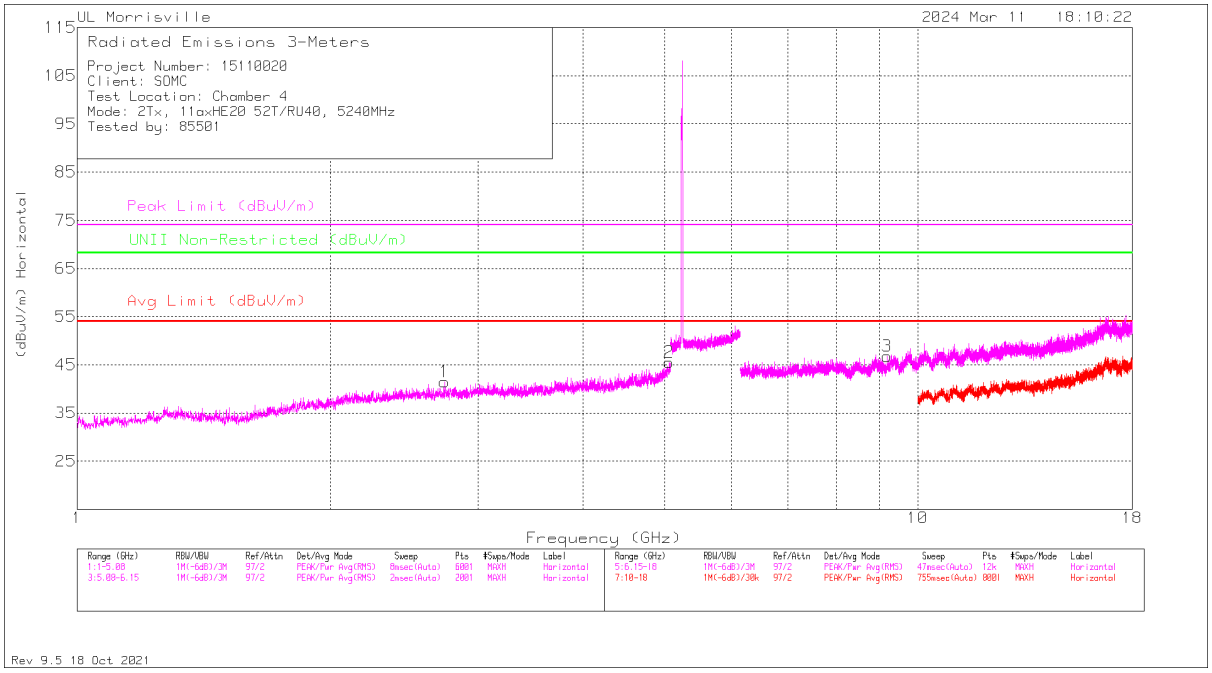
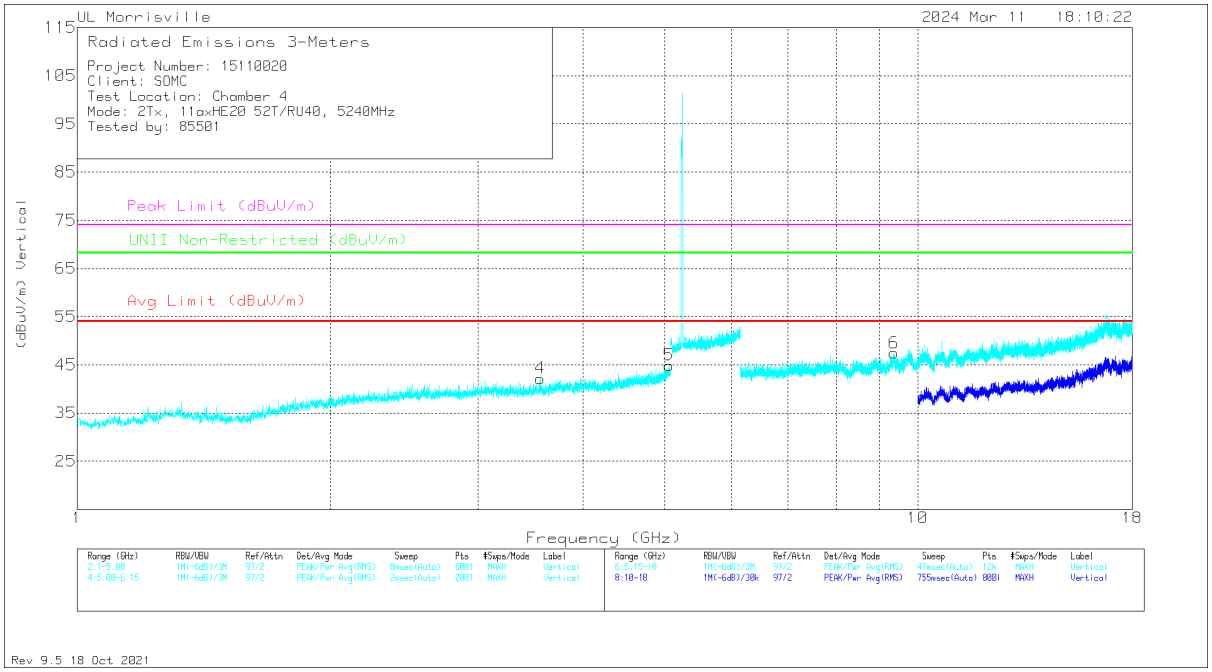
HIGH CHANNEL



HORIZONTAL



VERTICAL

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	* ** 2.73468	44.88	Pk	32.4	-35.8	41.48	54	-12.52	74	-32.52	-	-	0-360	100	H
2	* ** 5.063	40.11	Pk	34.1	-28.7	45.51	54	-8.49	74	-28.49	-	-	0-360	100	H
4	* ** 3.55748	42.88	Pk	32.9	-33.6	42.18	54	-11.82	74	-31.82	-	-	0-360	200	V
5	* ** 5.06164	39.61	Pk	34.1	-28.8	44.91	54	-9.09	74	-29.09	-	-	0-360	200	V
3	* ** 9.19841	35.77	Pk	36.4	-25.4	46.77	54	-7.23	74	-27.23	-	-	0-360	100	H
6	* ** 9.37221	36.55	Pk	36.5	-25.6	47.45	54	-6.55	74	-26.55	-	-	0-360	200	V

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

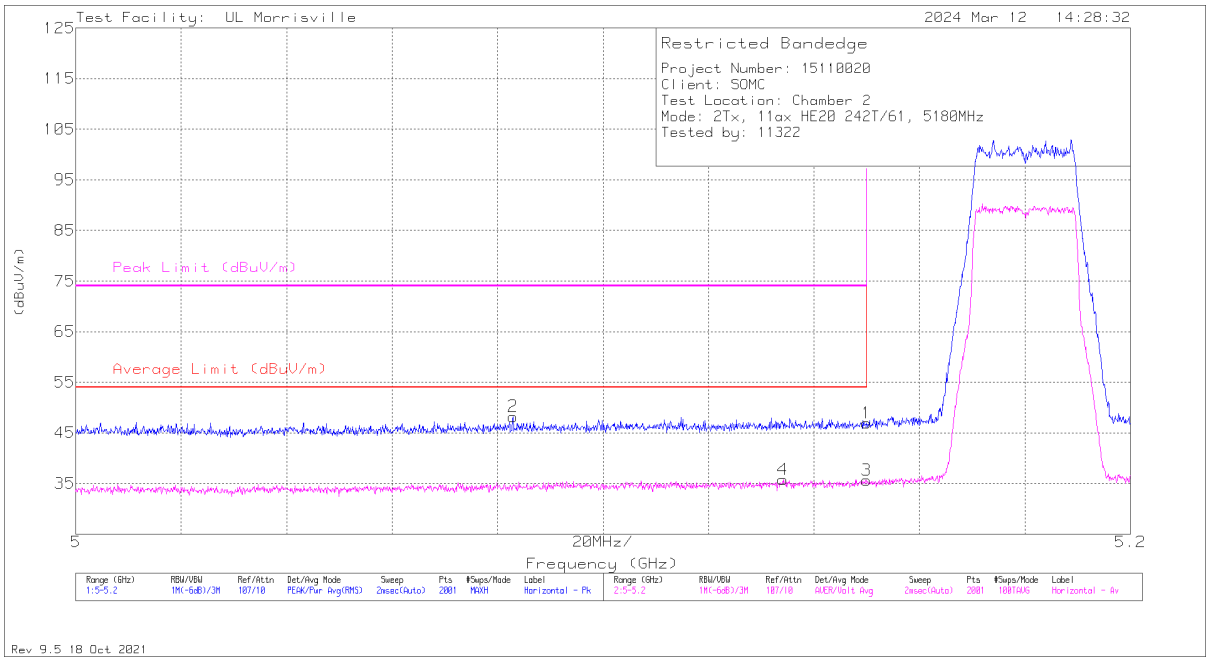
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

2TX 242T MODE

BANDEDGE (LOW CHANNEL)

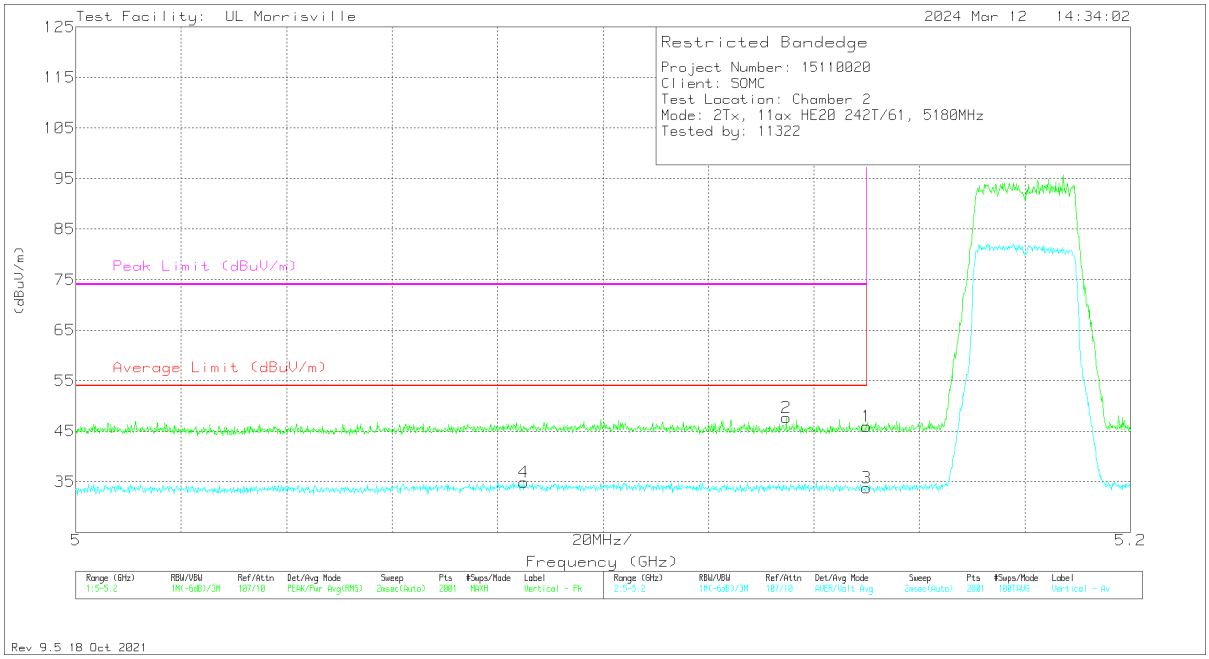
HORIZONTAL RESULT



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	* ** 5.15	34.88	Pk	34.1	-22	0	46.98	-	-	74	-27.02	351	204	H
2	* ** 5.0829	36.24	Pk	34.1	-22.1	0	48.24	-	-	74	-25.76	351	204	H
3	* ** 5.15	23.57	ADV	34.1	-22	0	35.67	54	-18.33	-	-	351	204	H
4	* ** 5.1341	23.74	ADV	34.1	-22.1	0	35.74	54	-18.26	-	-	351	204	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	* ** 5.15	33.88	Pk	34.1	-22	0	45.98	-	-	74	-28.02	247	204	V
2	* ** 5.1347	35.63	Pk	34.1	-22.1	0	47.63	-	-	74	-26.37	247	204	V
3	* ** 5.15	21.72	ADV	34.1	-22	0	33.82	54	-20.18	-	-	247	204	V
4	* ** 5.085	22.93	ADV	34.1	-22.1	0	34.93	54	-19.07	-	-	247	204	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

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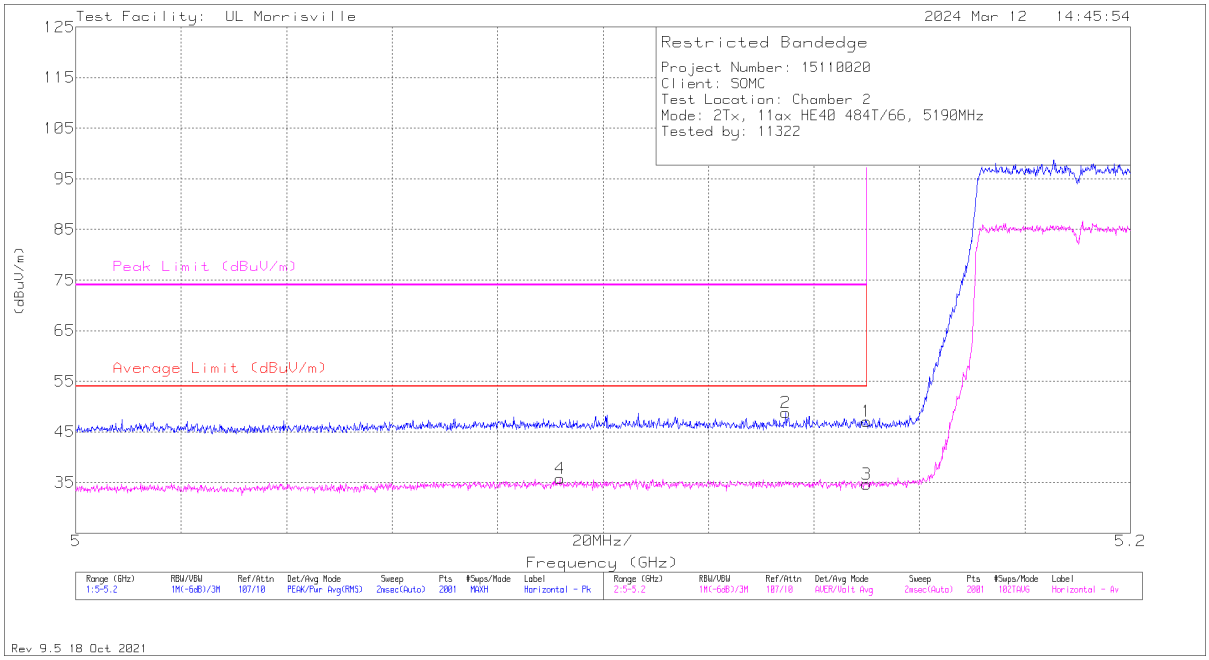
10.1.2. 802.11ax HE40 MODE IN THE 5.2GHz BAND

2TX 484T MODE

BANDEDGE (LOW CHANNEL)

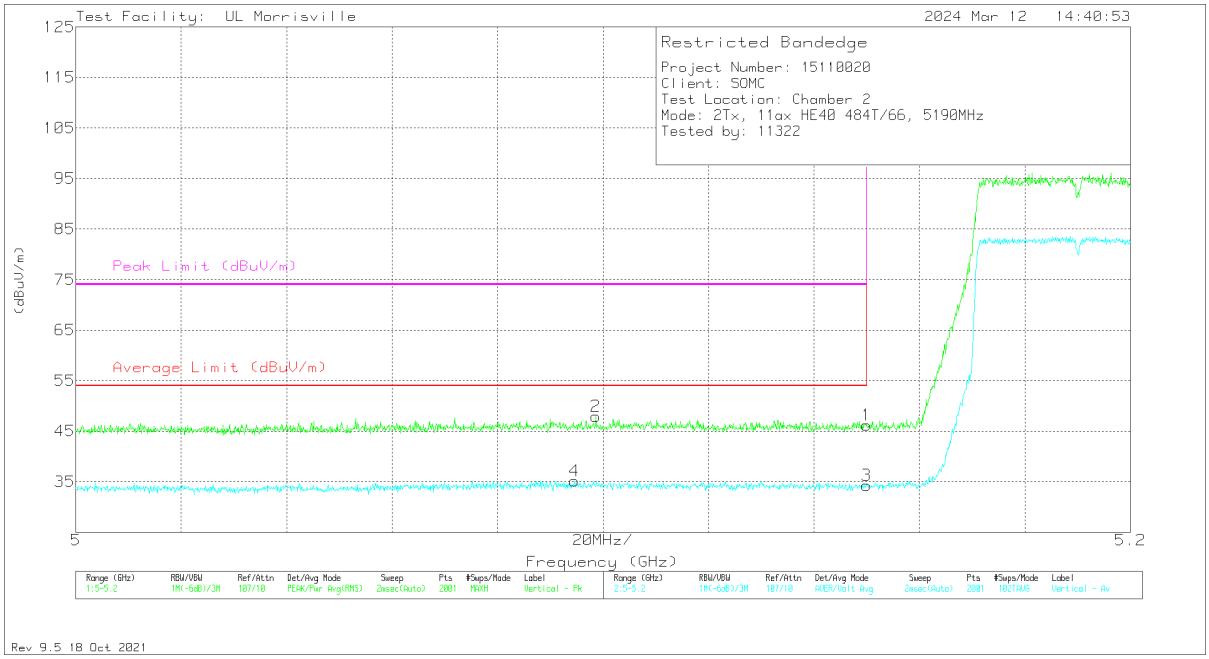
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	86408 (dB/m)	Gain/Loss (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	34.93	Pk	34.1	-22	47.03	-	-	74	-26.97	349	282	H
2	* ** 5.1346	36.8	Pk	34.1	-22.1	48.8	-	-	74	-25.2	349	282	H
3	* ** 5.15	22.5	ADV	34.1	-22	34.6	54	-19.4	-	-	349	282	H
4	* ** 5.0918	23.71	ADV	34.1	-22.1	35.71	54	-18.29	-	-	349	282	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	* ** 5.15	34.06	Pk	34.1	-22	0	46.16	-	-	74	-27.84	153	202	V
2	* ** 5.0986	35.92	Pk	34.1	-22.1	0	47.92	-	-	74	-26.08	153	202	V
3	* ** 5.15	22.03	ADV	34.1	-22	.18	34.31	54	-19.69	-	-	153	202	V
4	* ** 5.0946	22.99	ADV	34.1	-22.1	.18	35.17	54	-18.83	-	-	153	202	V

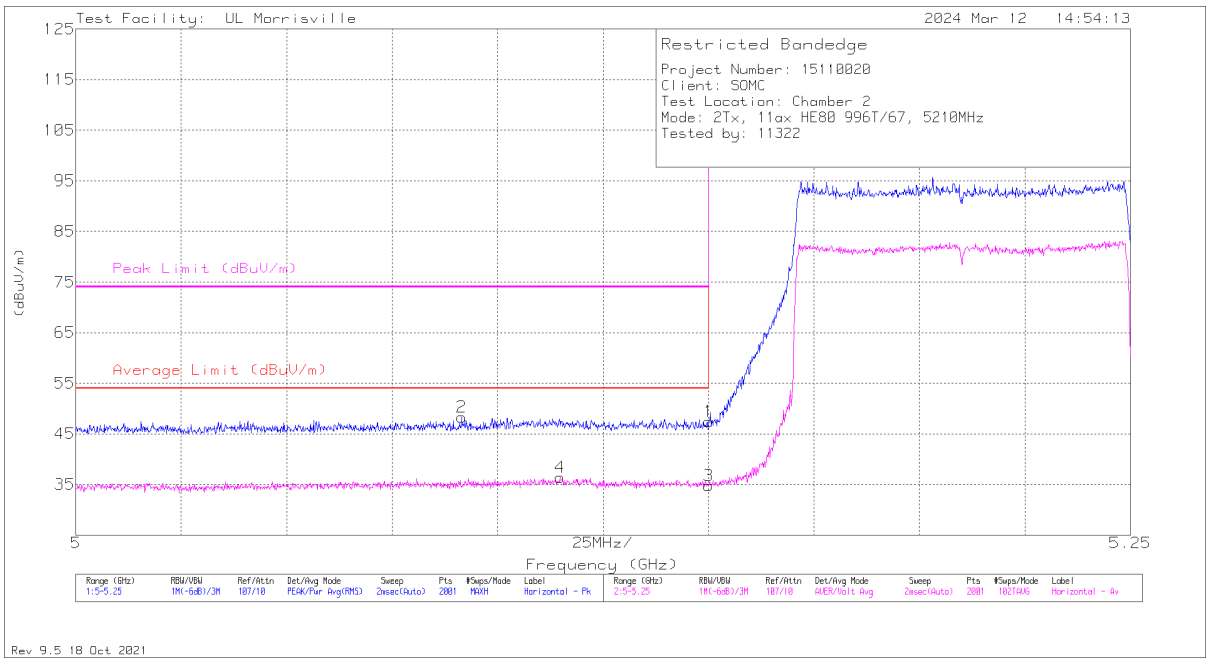
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
Pk - Peak detector
ADV - Linear Voltage Average

10.1.3. 802.11ax HE80 MODE IN THE 5.2GHz BAND

2TX 996T MODE

BANDEDGE (MID CHANNEL)

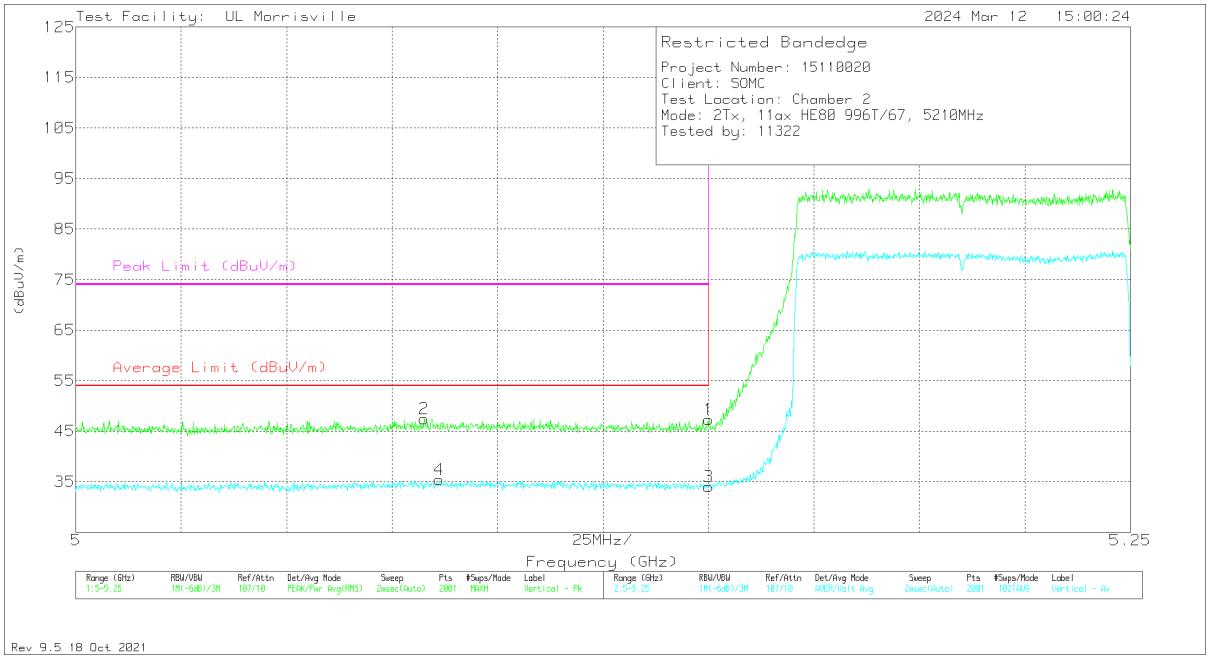
HORIZONTAL RESULT



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	* ** 5.15	35.33	Pk	34.1	-22	0	47.43	-	-	74	-26.57	350	293	H
2	* ** 5.0915	36.26	Pk	34.1	-22.1	0	48.26	-	-	74	-25.74	350	293	H
3	* ** 5.15	22.4	ADV	34.1	-22	.24	34.74	54	-19.26	-	-	350	293	H
4	* ** 5.11475	24.11	ADV	34.1	-22.1	.24	36.35	54	-17.65	-	-	350	293	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	* ** 5.15	35.17	Pk	34.1	-22	0	47.27	-	-	74	-26.73	149	201	V
2	* ** 5.08263	35.49	Pk	34.1	-22.1	0	47.49	-	-	74	-26.51	149	201	V
3	* ** 5.15	21.69	ADV	34.1	-22	.24	34.03	54	-19.97	-	-	149	201	V
4	* ** 5.08613	23.17	ADV	34.1	-22.1	.24	35.41	54	-18.59	-	-	149	201	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

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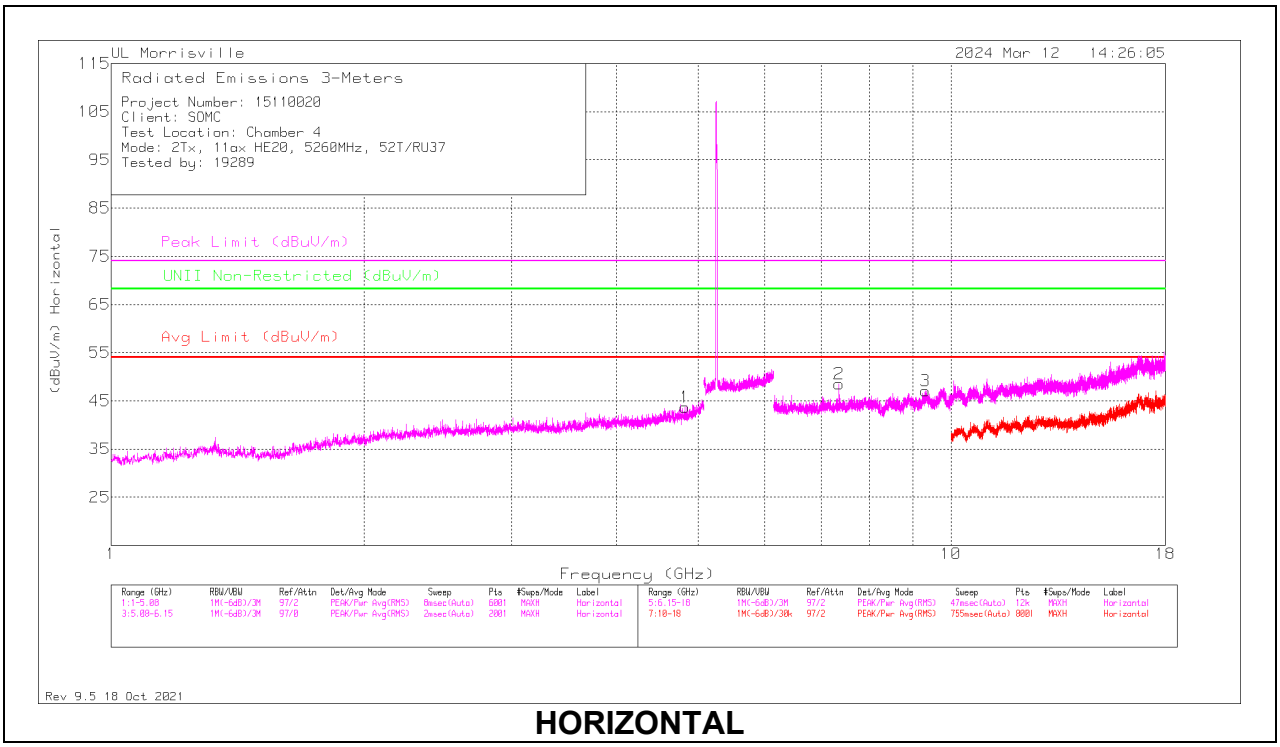
10.1.4. 802.11ax HE20 MODE IN THE 5.3GHz BAND

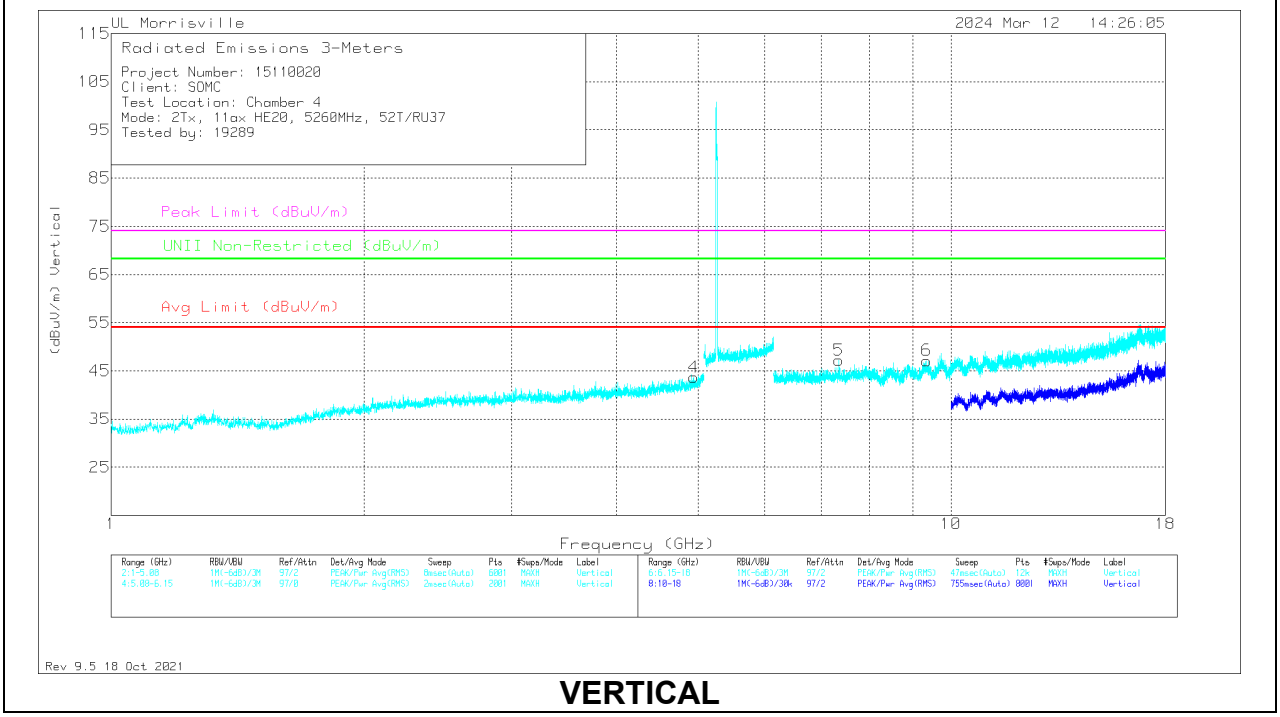
2TX 52T MODE

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL



HORIZONTAL



VERTICAL

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	* ** 4.8216	40.26	Pk	34.1	-30.7	43.66	54	-10.34	74	-30.34	-	-	0-360	100	H
4	* ** 4.93924	40.48	Pk	33.9	-30.7	43.68	54	-10.32	74	-30.32	-	-	0-360	200	V
2	* ** 7.35755	42.99	PK-U	35.5	-27.2	51.29	-	-	74	-22.71	-	-	27	110	H
	* ** 7.35678	31.19	ADV	35.5	-27.2	39.49	54	-14.51	-	-	-	-	27	110	H
3	* ** 9.32185	36.27	Pk	36.4	-25.6	47.07	54	-6.93	74	-26.93	-	-	0-360	100	H
5	* ** 7.35475	39.07	Pk	35.5	-27.4	47.17	54	-6.83	74	-26.83	-	-	0-360	100	V
6	* ** 9.3574	36.13	Pk	36.5	-25.5	47.13	54	-6.87	74	-26.87	-	-	0-360	100	V

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

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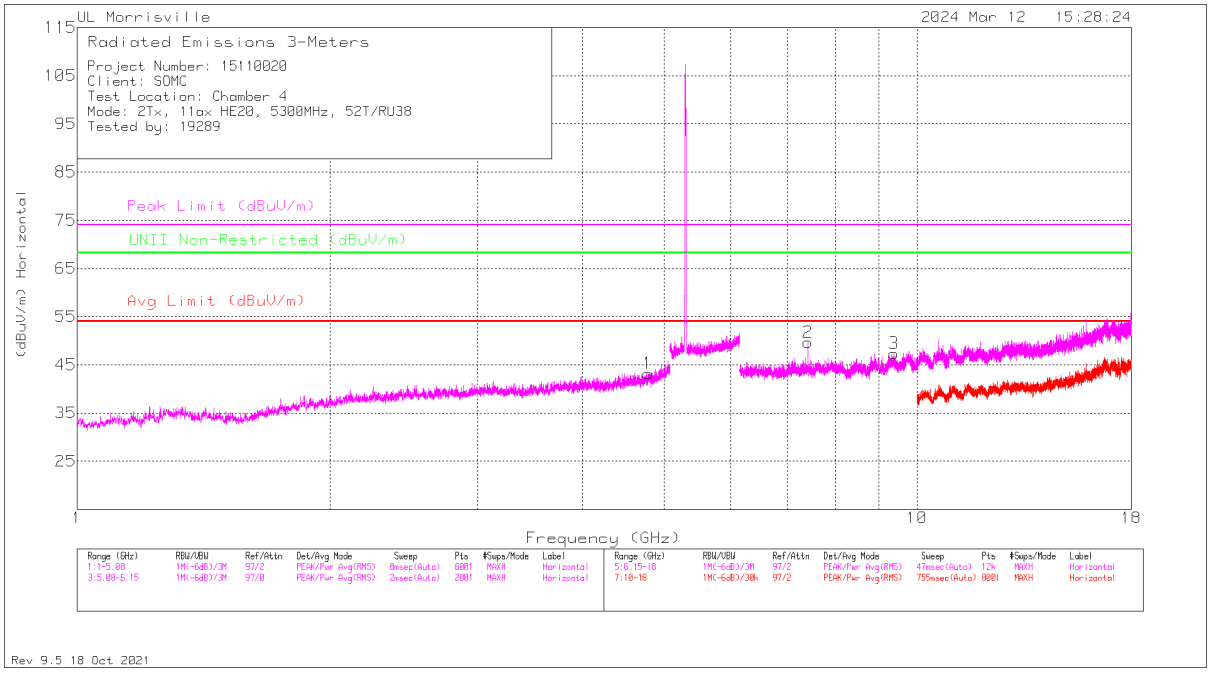
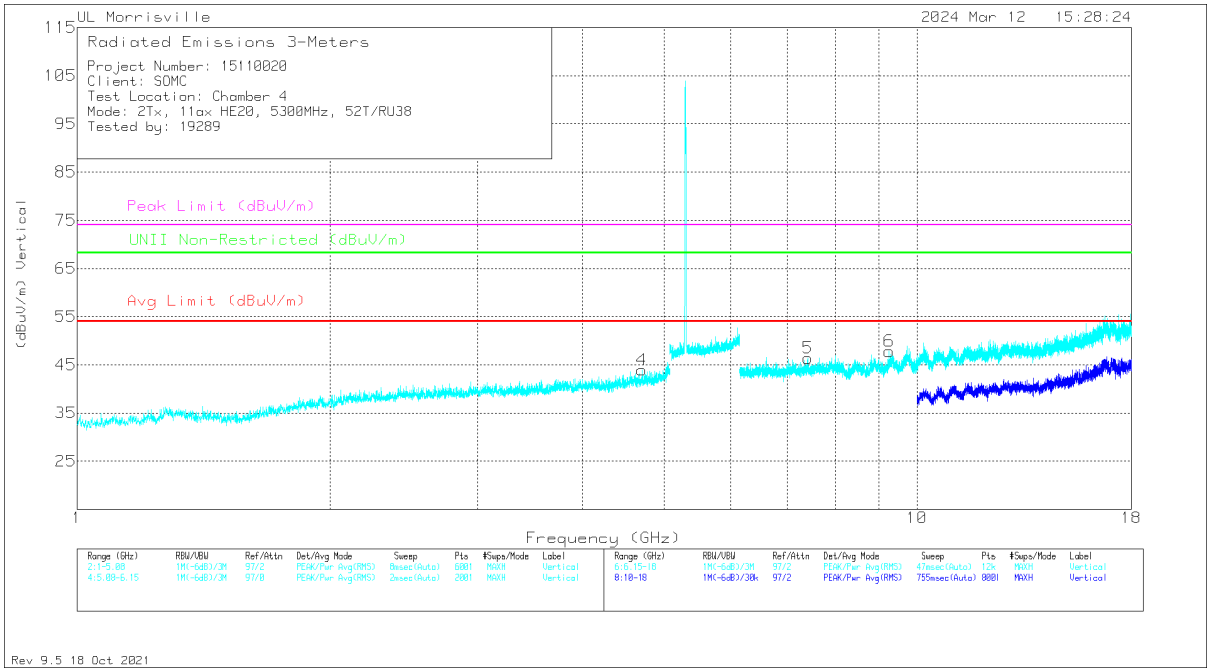
MID CHANNEL



HORIZONTAL



VERTICAL

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	* ** 4.7842	39.68	Pk	34.1	-30.6	43.18	54	-10.82	74	-30.82	-	-	0-360	100	H
4	* ** 4.70396	41.12	Pk	34.1	-31.3	43.92	54	-10.08	74	-30.08	-	-	0-360	100	V
2	* ** 7.41744	43.9	PK-U	35.6	-27.7	51.8	-	-	74	-22.2	-	-	29	104	H
	* ** 7.41535	31.76	ADV	35.6	-27.6	39.76	54	-14.24	-	-	-	-	29	104	H
3	* ** 9.38406	35.84	Pk	36.6	-25.1	47.34	54	-6.66	74	-26.66	-	-	0-360	100	H
5	* ** 7.41795	38.48	Pk	35.6	-27.7	46.38	54	-7.62	74	-27.62	-	-	0-360	200	V
6	9.26655	37.1	Pk	36.4	-25.7	47.8	54	-6.2	74	-26.2	68.2	-20.4	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

UL LLC
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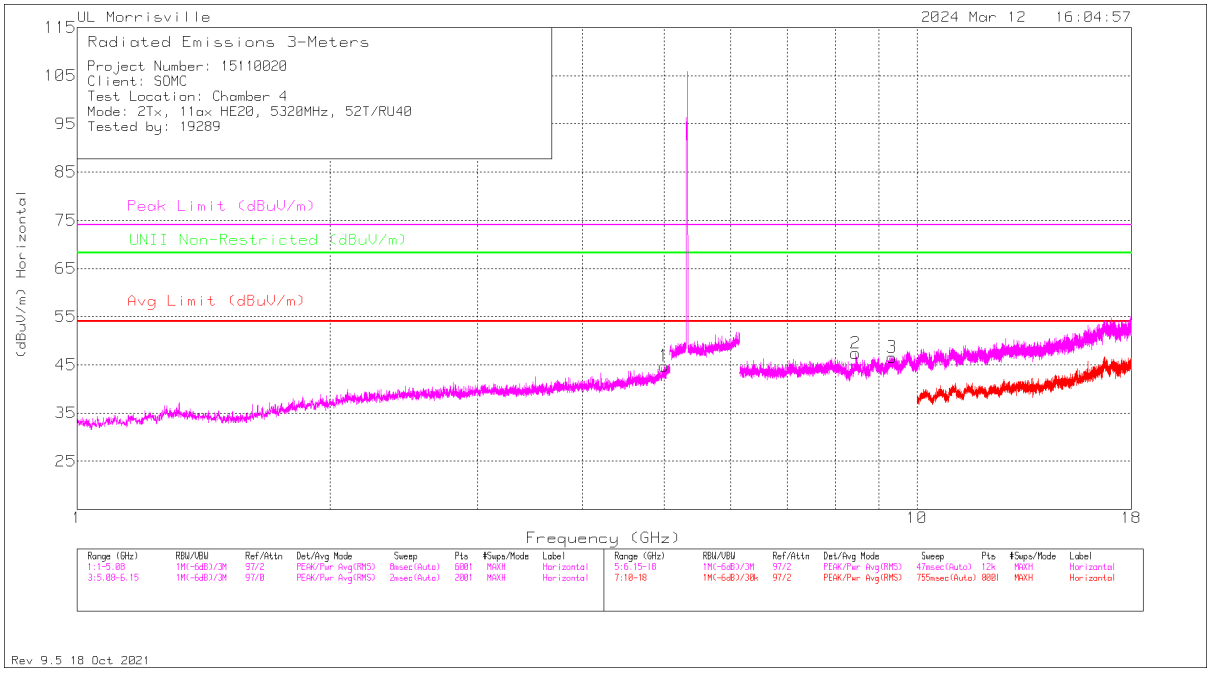
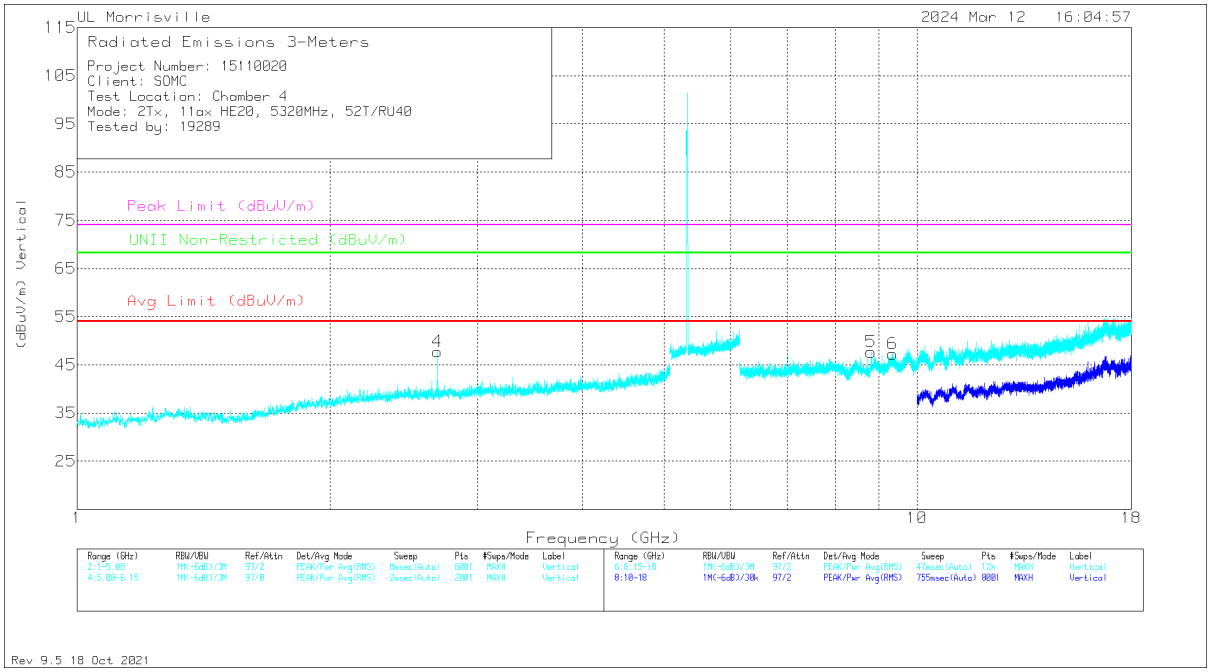
HIGH CHANNEL



HORIZONTAL



VERTICAL

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	* ** 4.99976	41.14	Pk	34.1	-30.5	44.74	54	-9.26	74	-29.26	-	-	0-360	100	H
4	* ** 2.68436	51.15	Pk	32.3	-35.7	47.75	54	-6.25	74	-26.25	-	-	0-360	200	V
2	* ** 8.45285	38.11	Pk	35.8	-26.5	47.41	54	-6.59	74	-26.59	-	-	0-360	100	H
3	* ** 9.33469	35.49	Pk	36.5	-25.4	46.59	54	-7.41	74	-27.41	-	-	0-360	100	H
6	* ** 9.3574	36.28	Pk	36.5	-25.5	47.28	54	-6.72	74	-26.72	-	-	0-360	200	V
5	8.81724	37.56	Pk	36.1	-26	47.66	54	-6.34	74	-26.34	68.2	-20.54	0-360	200	V

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

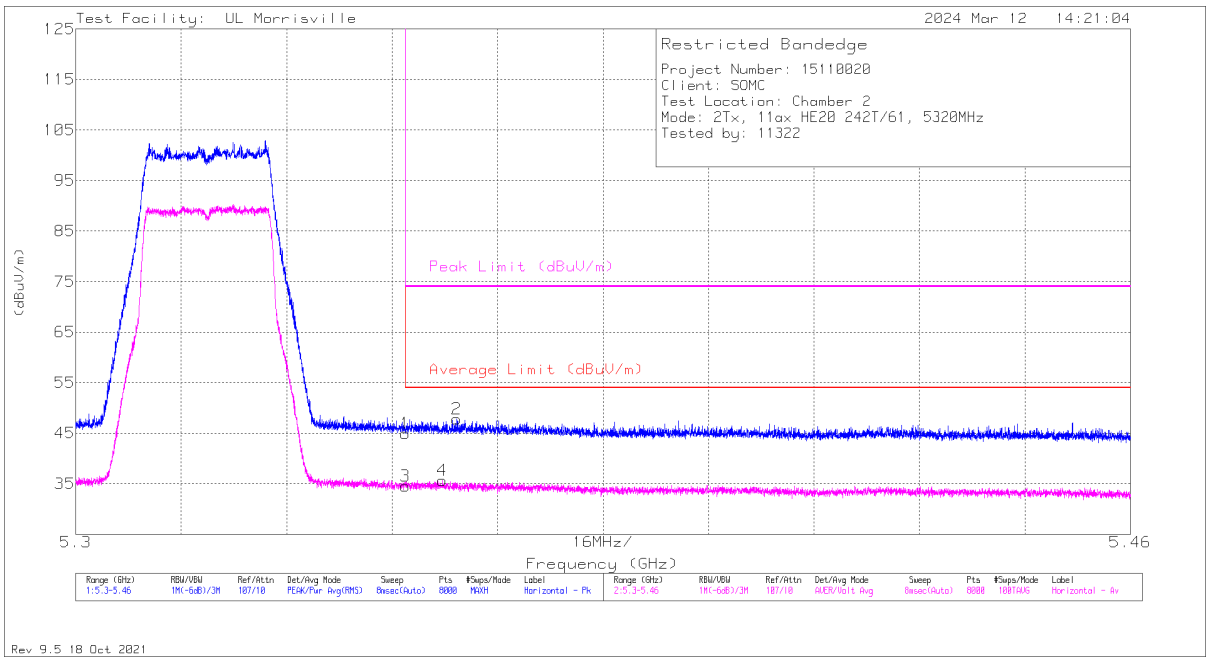
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

2TX 242T MODE

BANDEDGE (HIGH CHANNEL)

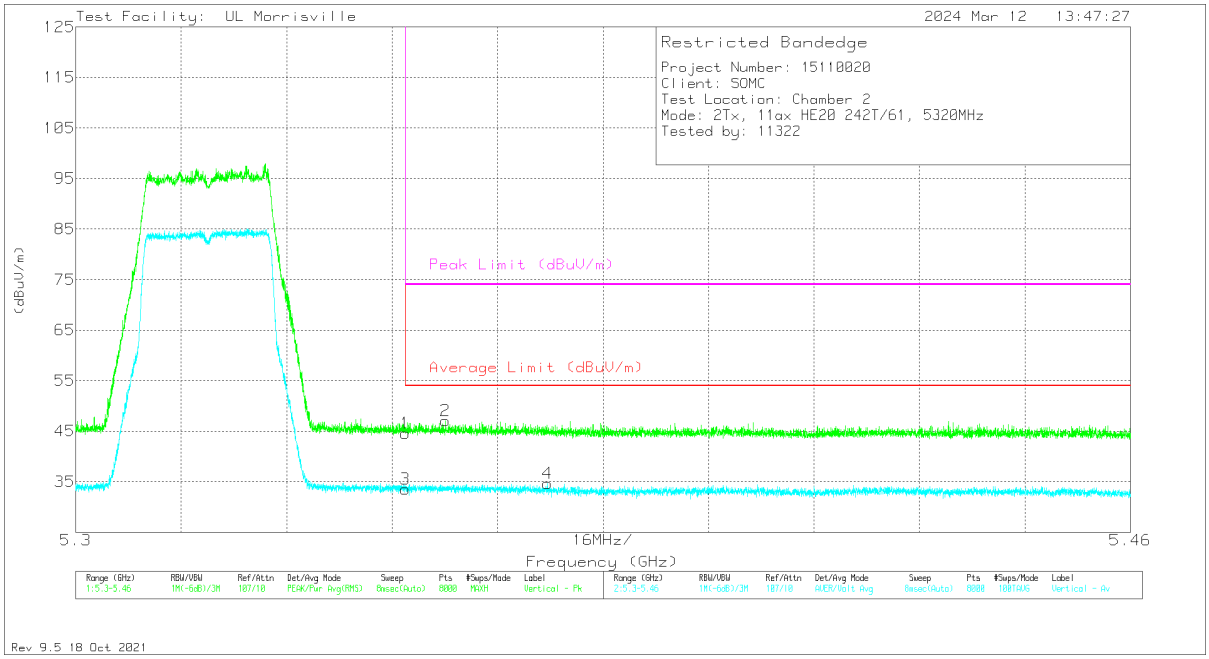
HORIZONTAL RESULT



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	* ** 5.35001	33.24	Pk	34.4	-22.7	0	44.94	-	-	74	-29.06	344	181	H
2	* ** 5.35783	36.08	Pk	34.4	-22.7	0	47.78	-	-	74	-26.22	344	181	H
3	* ** 5.35001	22.82	ADV	34.4	-22.7	0	34.52	54	-19.48	-	-	344	181	H
4	* ** 5.35565	23.91	ADV	34.4	-22.7	0	35.61	54	-18.39	-	-	344	181	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

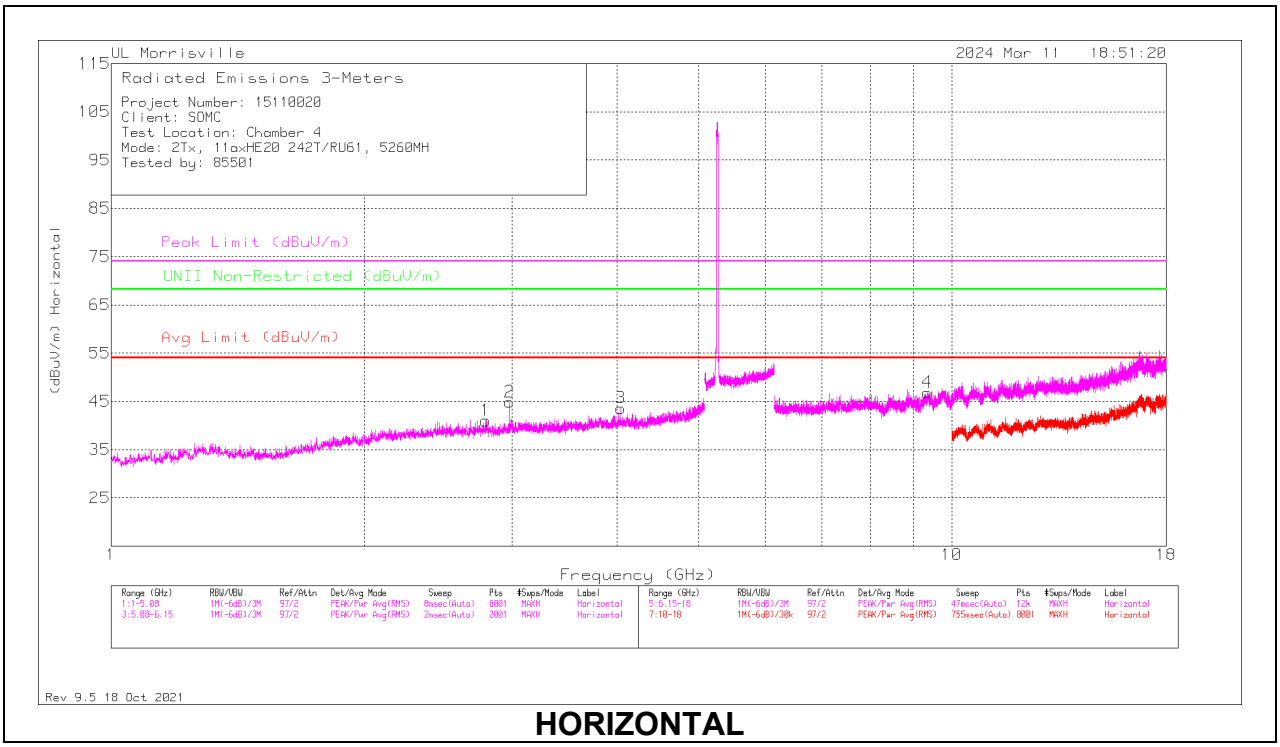


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	86408 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.35001	32.87	Pk	34.4	-22.7	0	44.57	-	-	74	-29.43	158	244	V
2	* ** 5.35611	35.32	Pk	34.4	-22.7	0	47.02	-	-	74	-26.98	158	244	V
3	* ** 5.35001	21.88	ADV	34.4	-22.7	0	33.58	54	-20.42	-	-	158	244	V
4	* ** 5.37159	23.21	ADV	34.4	-23	0	34.61	54	-19.39	-	-	158	244	V

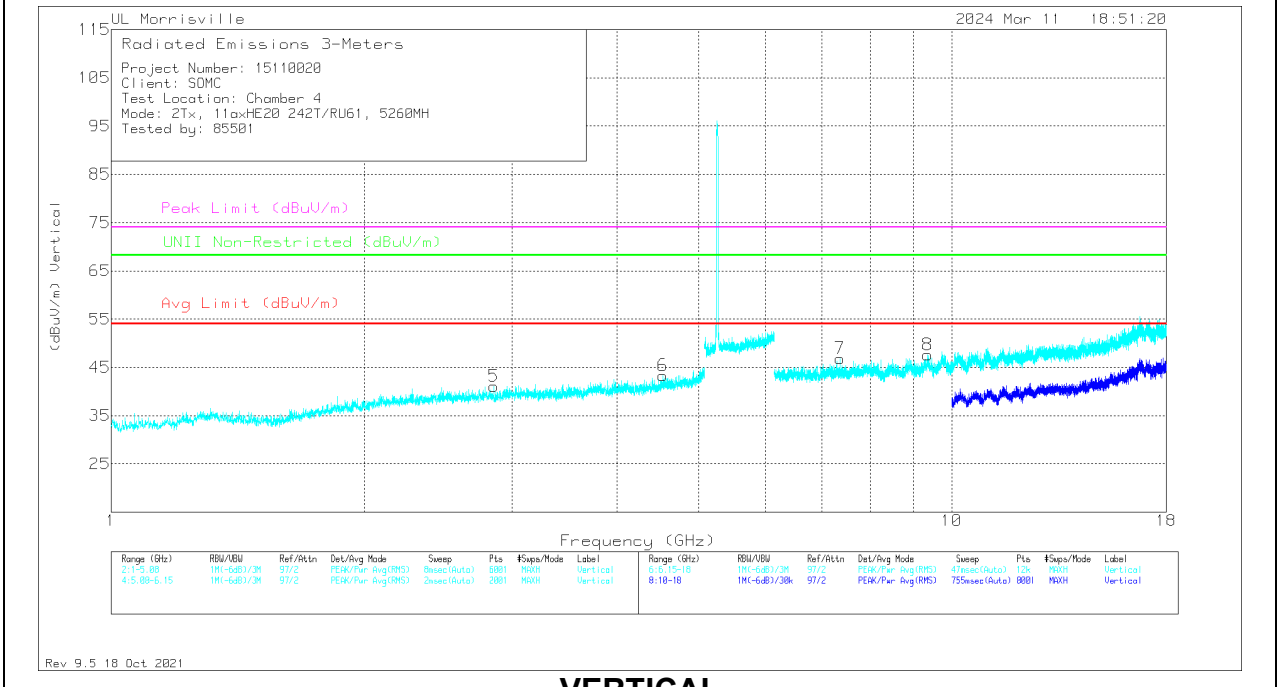
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
Pk - Peak detector
ADV - Linear Voltage Average

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL



HORIZONTAL

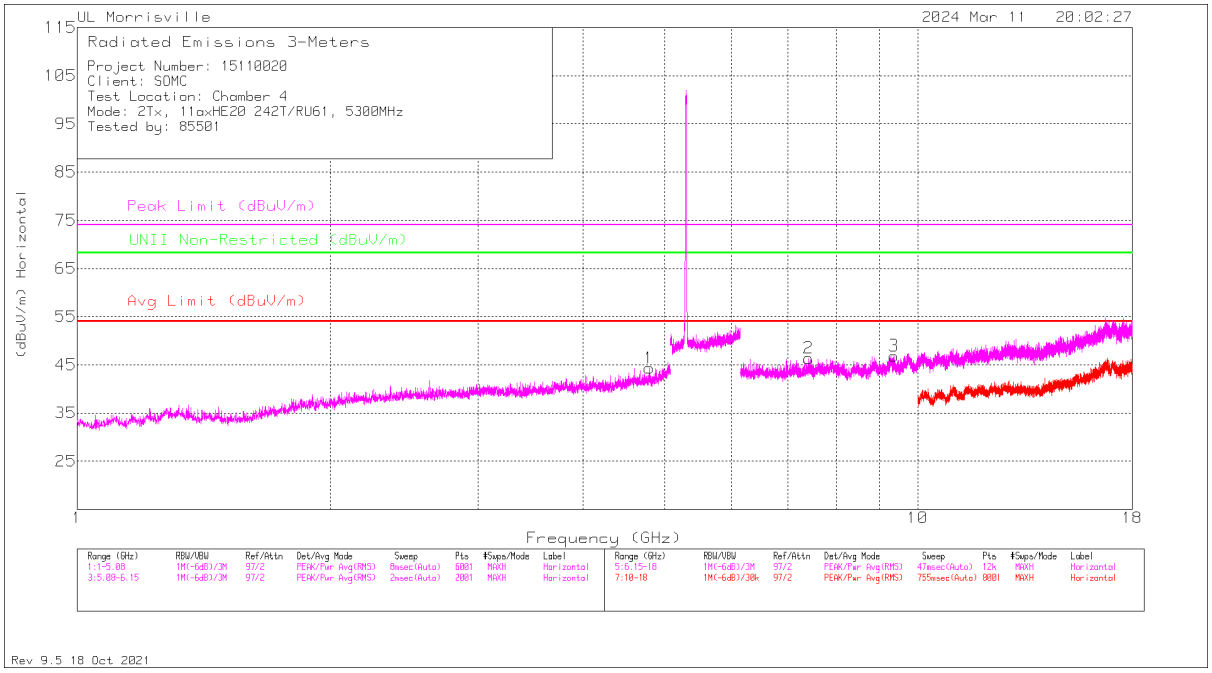


VERTICAL

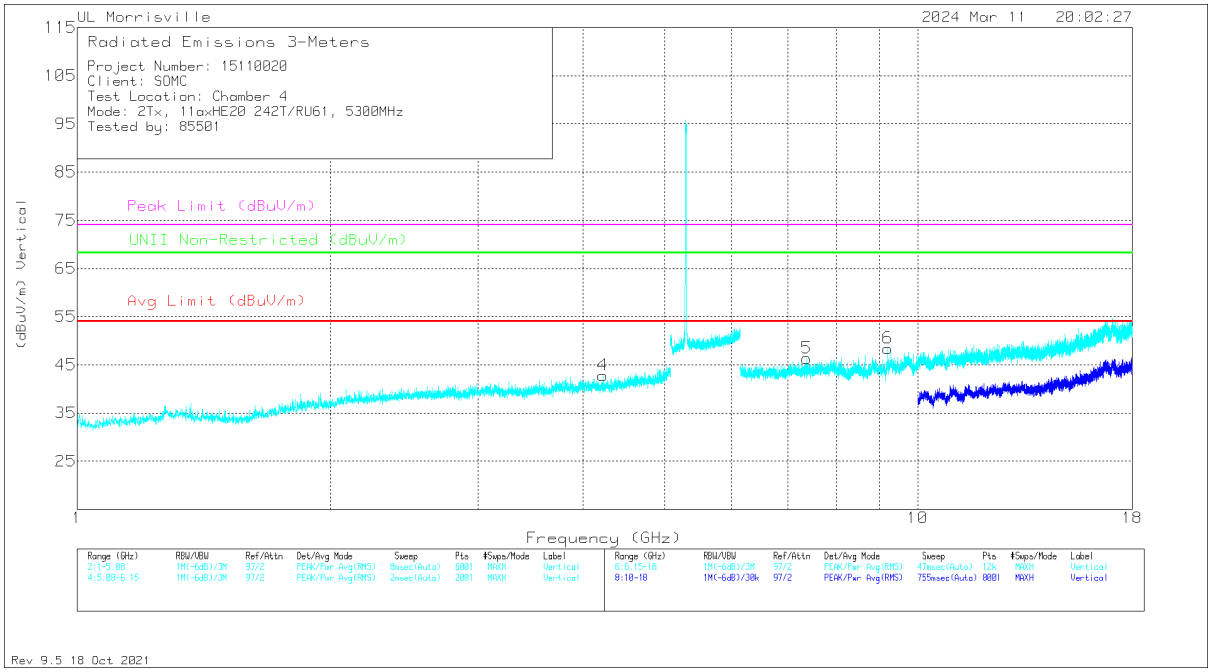
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.79044	43.93	Pk	32.6	-35.5	41.03	54	-12.97	74	-32.97	-	-	0-360	100	H
3	* ** 4.03756	43.01	Pk	33.3	-32.7	43.61	54	-10.39	74	-30.39	-	-	0-360	100	H
5	* ** 2.85232	44	Pk	32.4	-35.3	41.1	54	-12.9	74	-32.9	-	-	0-360	200	V
6	* ** 4.53464	40.6	Pk	33.9	-31.2	43.3	54	-10.7	74	-30.7	-	-	0-360	200	V
4	* ** 9.36135	35.66	Pk	36.5	-25.3	46.86	54	-7.14	74	-27.14	-	-	0-360	100	H
7	* ** 7.36561	38.62	Pk	35.5	-27.3	46.82	54	-7.18	74	-27.18	-	-	0-360	200	V
8	* ** 9.36333	36.42	Pk	36.5	-25.3	47.62	54	-6.38	74	-26.38	-	-	0-360	200	V
2	2.97812	47.36	Pk	32.9	-35.4	44.86	54	-9.14	74	-29.14	68.2	-23.34	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

MID CHANNEL



HORIZONTAL



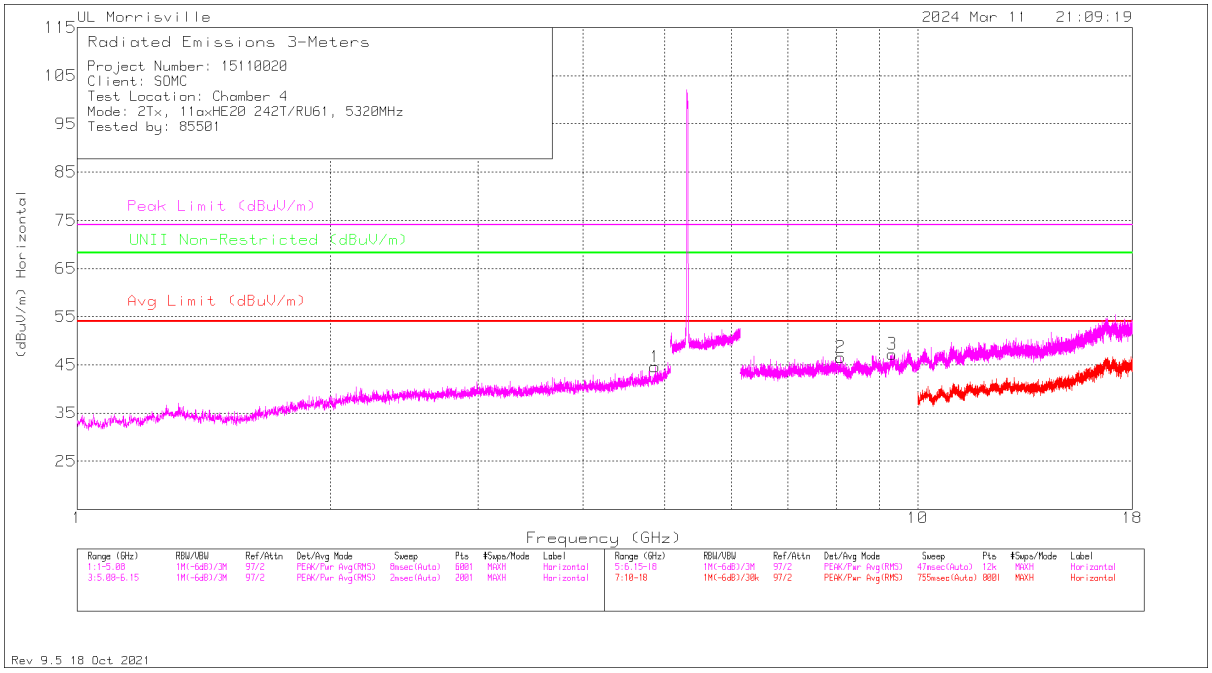
VERTICAL

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	* ** 4.79304	40.7	Pk	34.1	-30.5	44.3	54	-9.7	74	-29.7	-	-	0-360	100	H
4	* ** 4.22048	41.33	Pk	33.4	-31.9	42.83	54	-11.17	74	-31.17	-	-	0-360	200	V
2	* ** 7.41499	38.36	Pk	35.6	-27.6	46.36	54	-7.64	74	-27.64	-	-	0-360	100	H
3	* ** 9.37715	35.53	Pk	36.6	-25.3	46.83	54	-7.17	74	-27.17	-	-	0-360	100	H
5	* ** 7.37648	37.96	Pk	35.6	-27.2	46.36	54	-7.64	74	-27.64	-	-	0-360	200	V
6	9.2147	36.76	PK-U	36.4	-25.5	47.66	54	-6.34	74	-26.34	68.2	-20.54	188	174	V

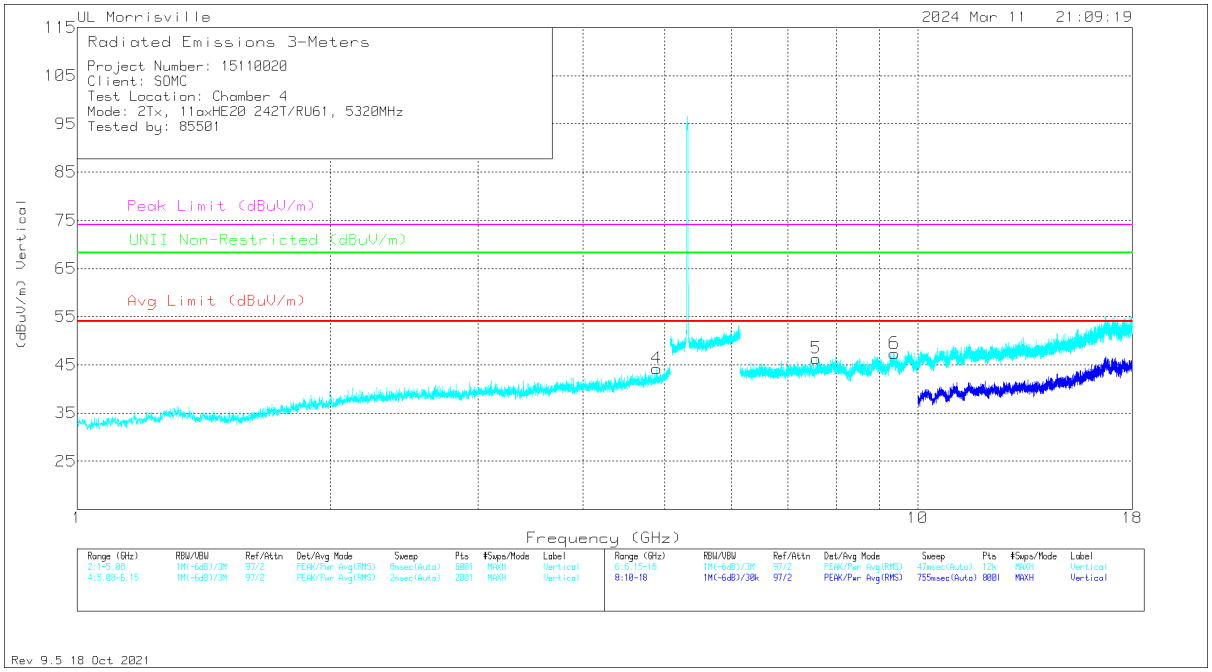
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
Pk - Peak detector
PK-U - Maximum Peak

UL LLC
12 Laboratory Dr., RTP, NC 27709; USA TEL: (919) 549-1364

HIGH CHANNEL



HORIZONTAL



VERTICAL

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	* ** 4.86852	41.49	Pk	34.1	-31	44.59	54	-9.41	74	-29.41	-	-	0-360	100	H
4	* ** 4.89232	41.17	Pk	34	-30.9	44.27	54	-9.73	74	-29.73	-	-	0-360	200	V
2	* ** 8.09439	37.79	Pk	35.8	-27	46.59	54	-7.41	74	-27.41	-	-	0-360	100	H
3	* ** 9.31889	36.52	Pk	36.4	-25.7	47.22	54	-6.78	74	-26.78	-	-	0-360	100	H
5	* ** 7.57299	38.04	Pk	35.7	-27.4	46.34	54	-7.66	74	-27.66	-	-	0-360	200	V
6	* ** 9.37913	35.98	Pk	36.6	-25.2	47.38	54	-6.62	74	-26.62	-	-	0-360	200	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

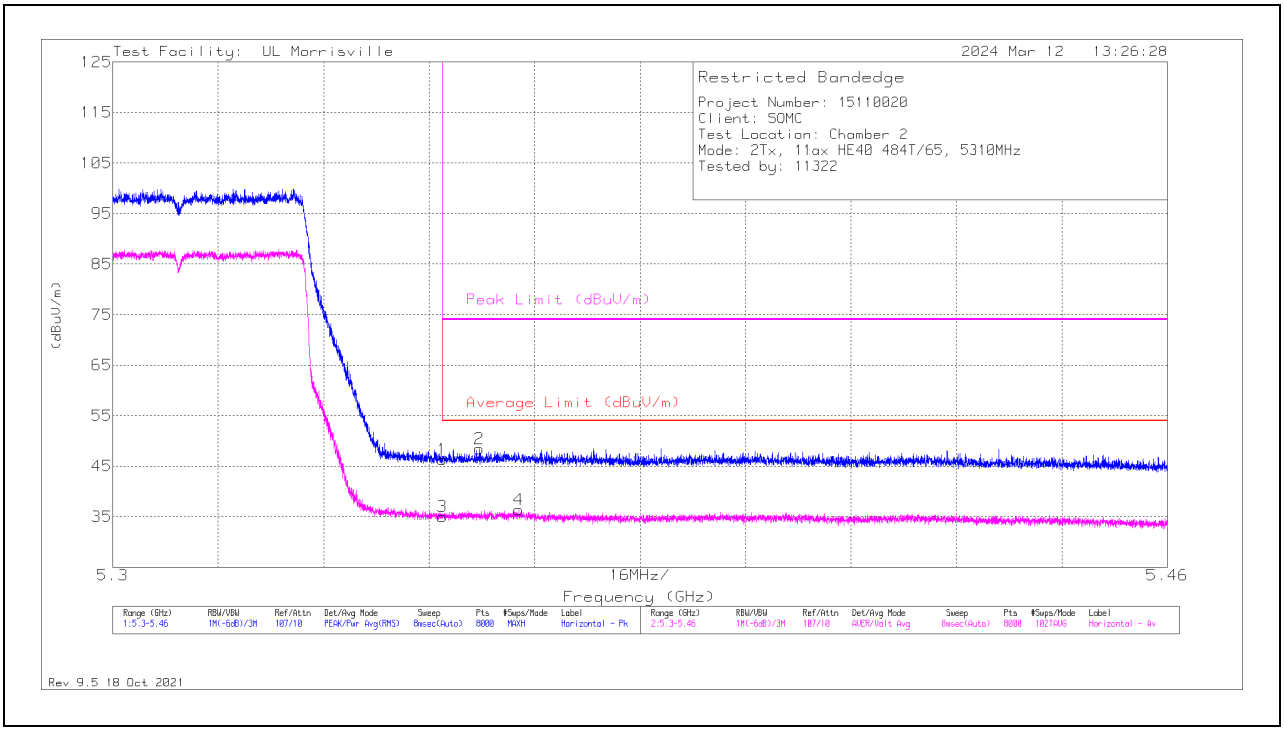
Pk - Peak detector

10.1.5. 802.11ax HE40 MODE IN THE 5.3GHz BAND

2TX 484T MODE

BANDEDGE (HIGH CHANNEL)

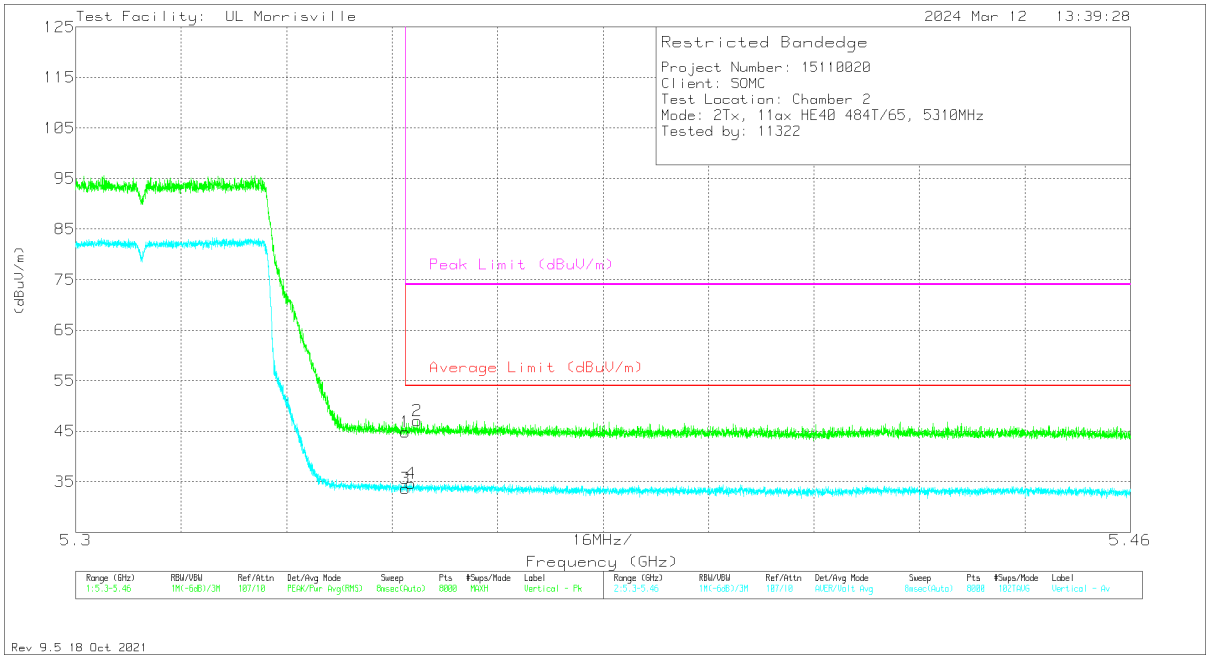
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	86408 (dB/m)	Gain/Loss (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	34.6	Pk	34.4	-22.7	46.3	-	-	74	-27.7	349	251	H
2	* ** 5.35565	36.74	Pk	34.4	-22.7	48.44	-	-	74	-25.56	349	251	H
3	* ** 5.35001	23.33	ADV	34.4	-22.7	35.03	54	-18.97	-	-	349	251	H
4	* ** 5.36161	24.73	ADV	34.4	-22.8	36.33	54	-17.67	-	-	349	251	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)	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	33.11	Pk	34.4	-22.7	44.81	-	-	74	-29.19	164	272	V
2	* ** 5.35179	35.41	Pk	34.4	-22.7	47.11	-	-	74	-26.89	164	272	V
3	* ** 5.35001	22.01	ADV	34.4	-22.7	33.71	54	-20.29	-	-	164	272	V
4	* ** 5.35085	22.94	ADV	34.4	-22.7	34.64	54	-19.36	-	-	164	272	V

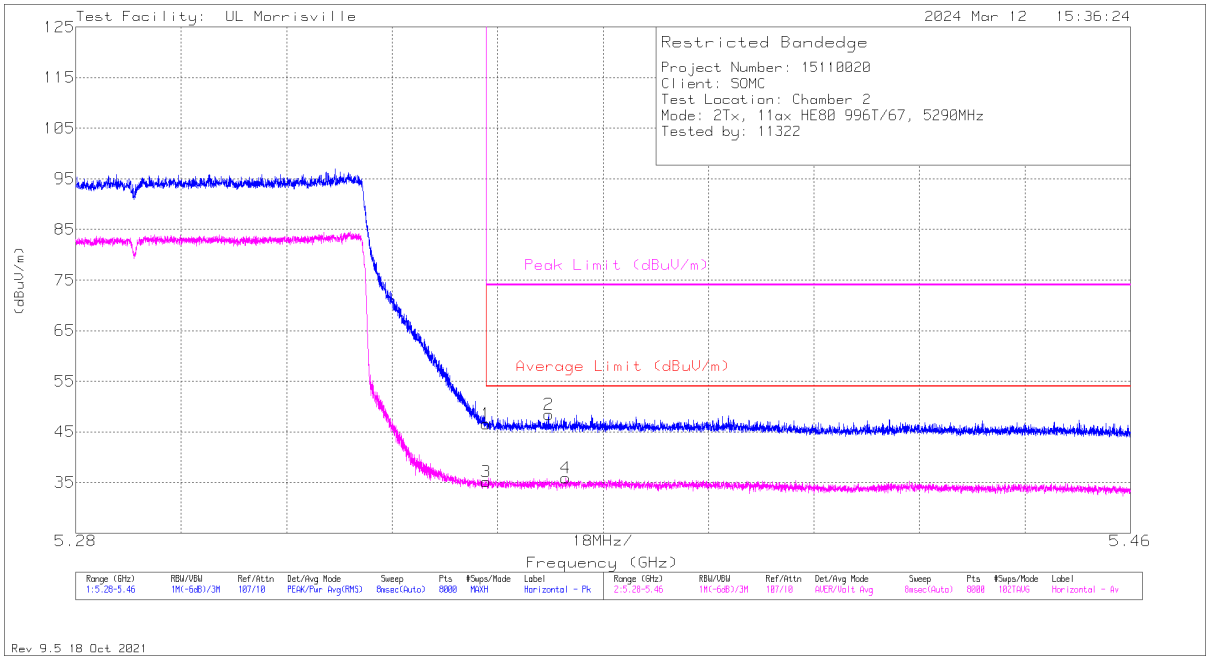
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
Pk - Peak detector
ADV - Linear Voltage Average

10.1.6. 802.11ax HE80 MODE IN THE 5.3GHz BAND

2TX 996T MODE

BANDEDGE (MID CHANNEL)

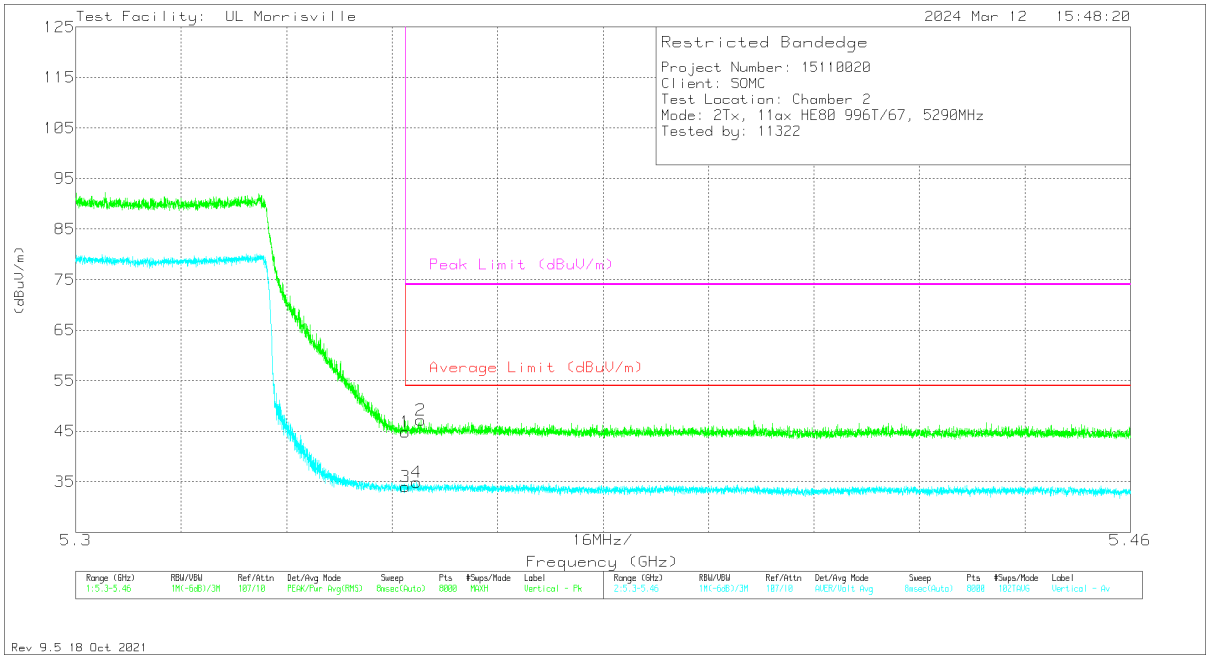
HORIZONTAL RESULT



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	* ** 5.35001	34.91	Pk	34.4	-22.7	0	46.61	-	-	74	-27.39	346	197	H
2	* ** 5.36076	36.77	Pk	34.4	-22.7	0	48.47	-	-	74	-25.53	346	197	H
3	* ** 5.35001	23.17	ADV	34.4	-22.7	.24	35.11	54	-18.89	-	-	346	197	H
4	* ** 5.36367	24.03	ADV	34.4	-22.8	.24	35.87	54	-18.13	-	-	346	197	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	* ** 5.35001	33.16	Pk	34.4	-22.7	0	44.86	-	-	74	-29.14	175	203	V
2	* ** 5.35233	35.48	Pk	34.4	-22.7	0	47.18	-	-	74	-26.82	175	203	V
3	* ** 5.35001	22.09	ADV	34.4	-22.7	.24	34.03	54	-19.97	-	-	175	203	V
4	* ** 5.35175	22.99	ADV	34.4	-22.7	.24	34.93	54	-19.07	-	-	175	203	V

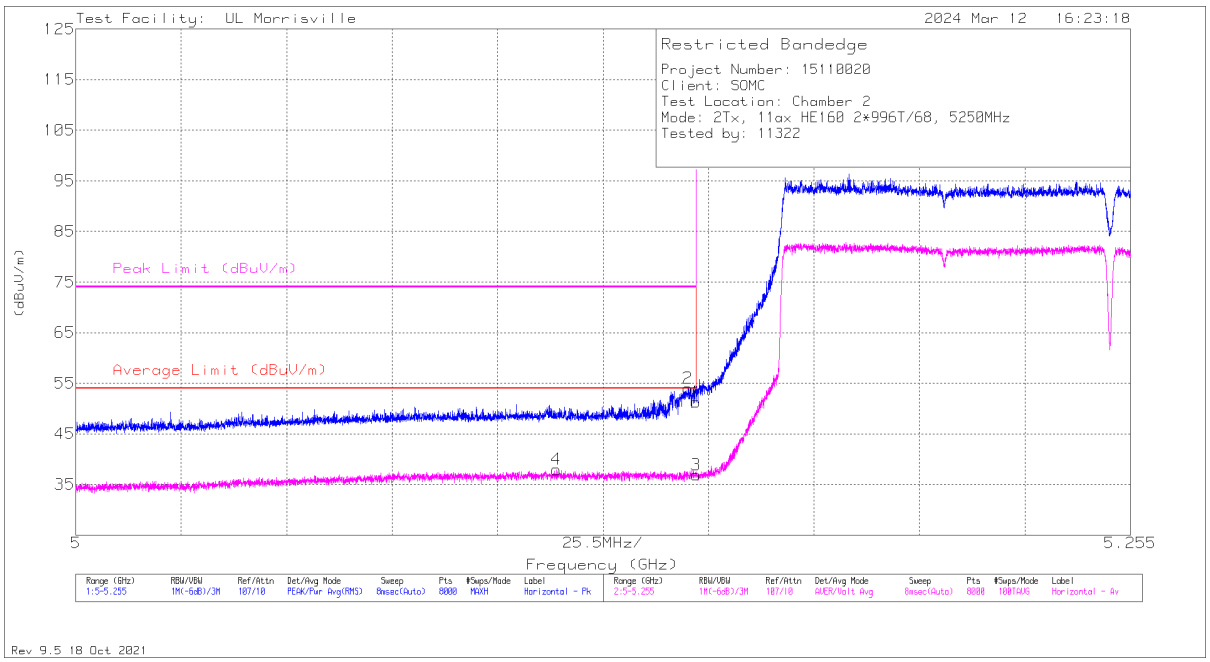
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
Pk - Peak detector
ADV - Linear Voltage Average

10.1.7. 802.11ax HE160 MODE IN THE 5.2GHz & 5.3GHz BAND

2TX 2x996T MODE

BANDEDGE (MID CHANNEL LOW EDGE)

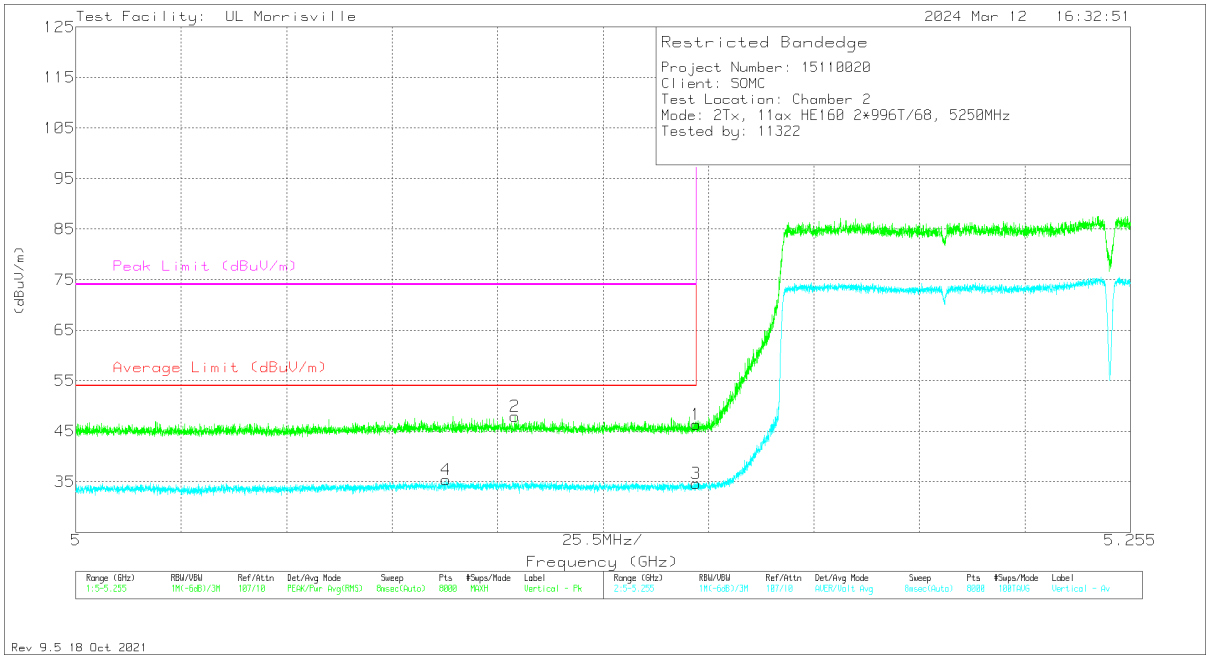
HORIZONTAL RESULT



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	39.19	Pk	34.1	-22	0	51.29	-	-	74	-22.71	354	128	H
2	* ** 5.14805	42.04	Pk	34.1	-22.1	0	54.04	-	-	74	-19.96	354	128	H
3	* ** 5.14999	24.82	ADV	34.1	-22	0	36.92	54	-17.08	-	-	354	128	H
4	* ** 5.11623	26.04	ADV	34.1	-22.2	0	37.94	54	-16.06	-	-	354	128	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

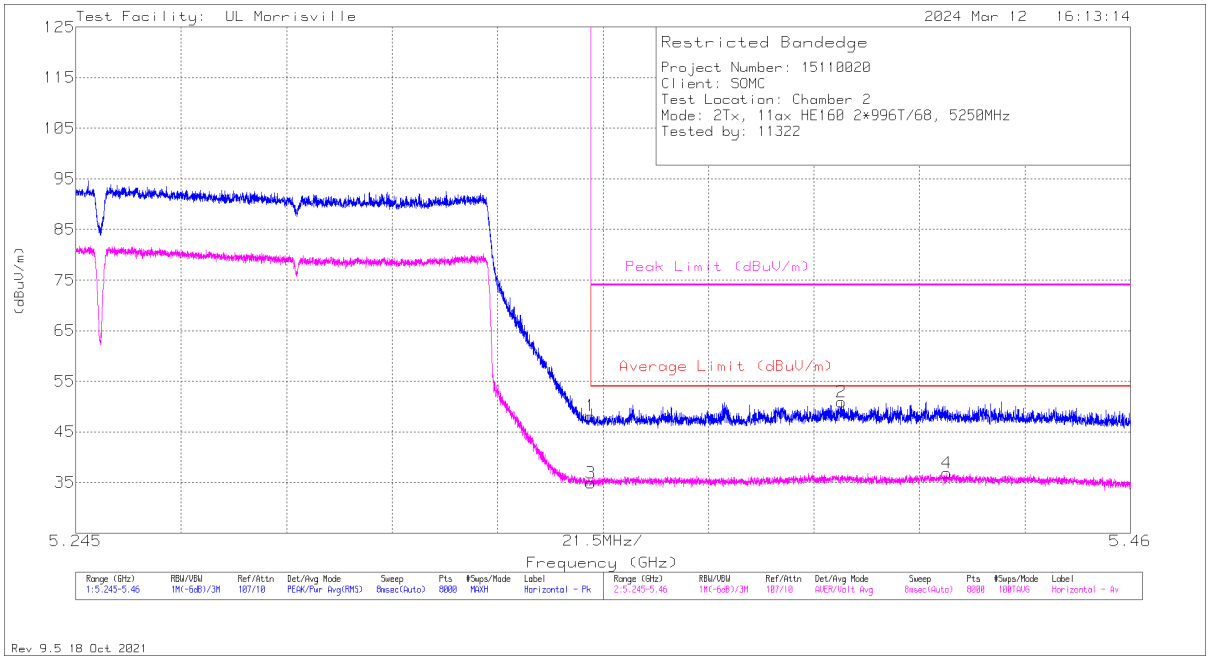


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	86408 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.14999	34.18	Pk	34.1	-22	0	46.28	-	-	74	-27.72	9	114	V
2	* ** 5.10616	35.95	Pk	34.1	-22.1	0	47.95	-	-	74	-26.05	9	114	V
3	* ** 5.14999	22.54	ADV	34.1	-22	0	34.64	54	-19.36	-	-	9	114	V
4	* ** 5.08952	23.38	ADV	34.1	-22.1	0	35.38	54	-18.62	-	-	9	114	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)

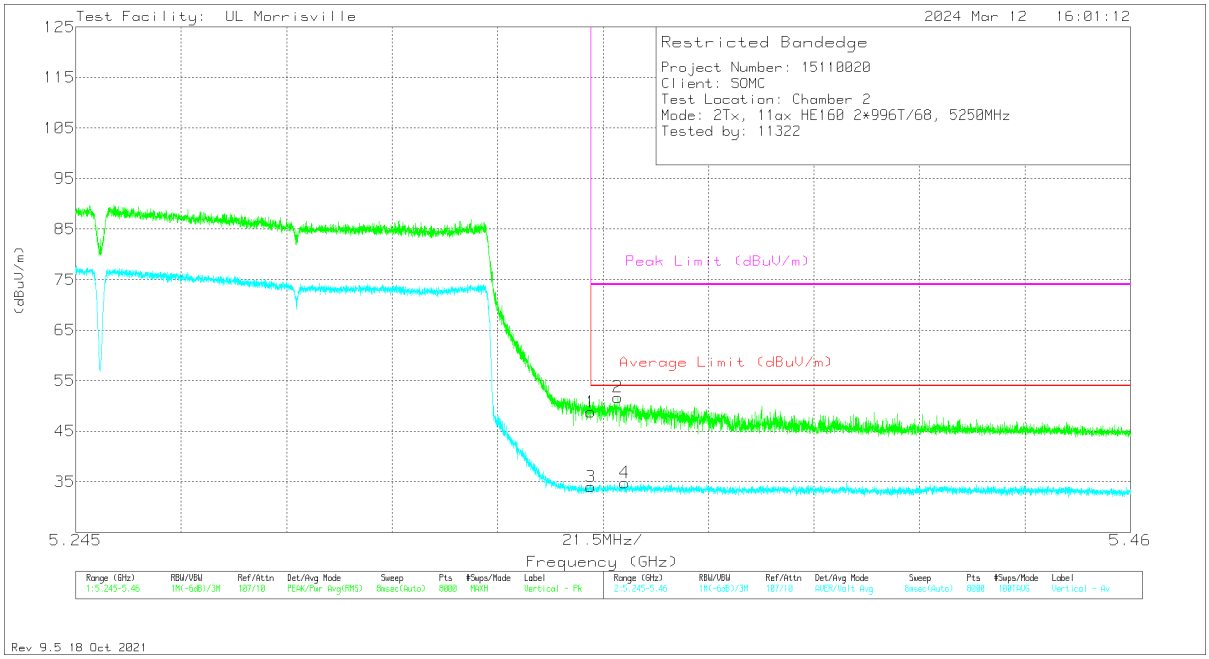
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	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	* ** 5.35001	36.42	Pk	34.4	-22.7	0	48.12	-	-	74	-25.88	348	244	H
2	* ** 5.40108	39.42	Pk	34.4	-22.9	0	50.92	-	-	74	-23.08	348	244	H
3	* ** 5.35001	23.22	ADV	34.4	-22.7	0	34.92	54	-19.08	-	-	348	244	H
4	* ** 5.42256	25.41	ADV	34.4	-22.9	0	36.91	54	-17.09	-	-	348	244	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	* ** 5.35001	37.14	Pk	34.4	-22.7	0	48.84	-	-	74	-25.16	176	212	V
2	* ** 5.3555	40.02	Pk	34.4	-22.7	0	51.72	-	-	74	-22.28	176	212	V
3	* ** 5.35001	22.3	ADV	34.4	-22.7	0	34	54	-20	-	-	176	211	V
4	* ** 5.35687	23.13	ADV	34.4	-22.7	0	34.83	54	-19.17	-	-	176	211	V

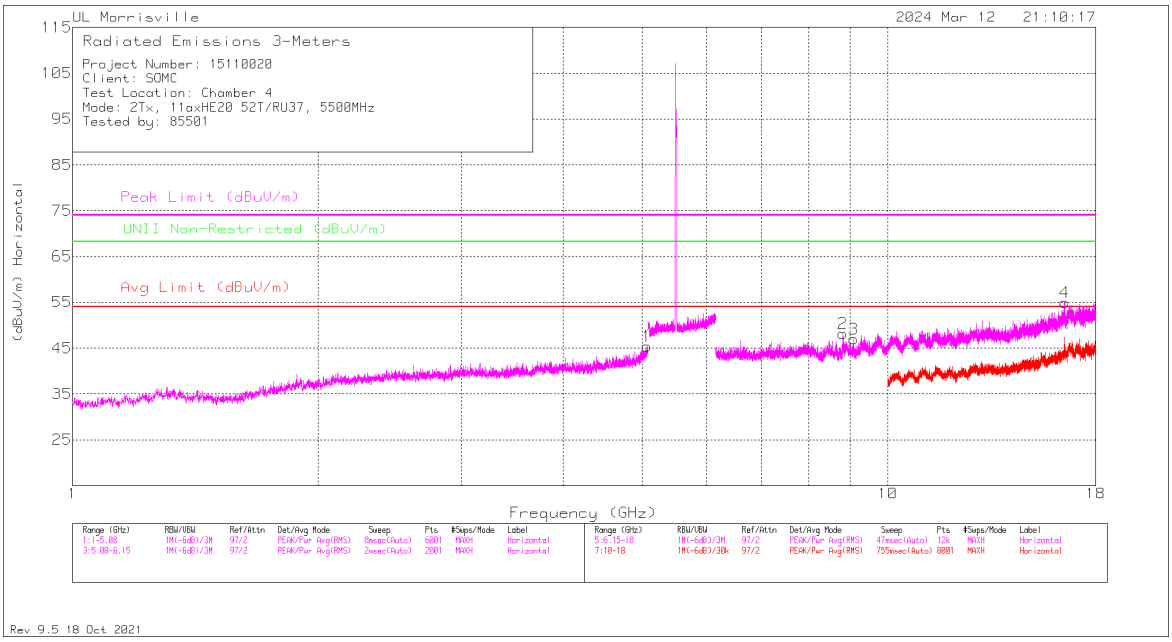
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
Pk - Peak detector
ADV - Linear Voltage Average

10.1.8. 802.11ax HE20 MODE IN THE 5.6GHz BAND

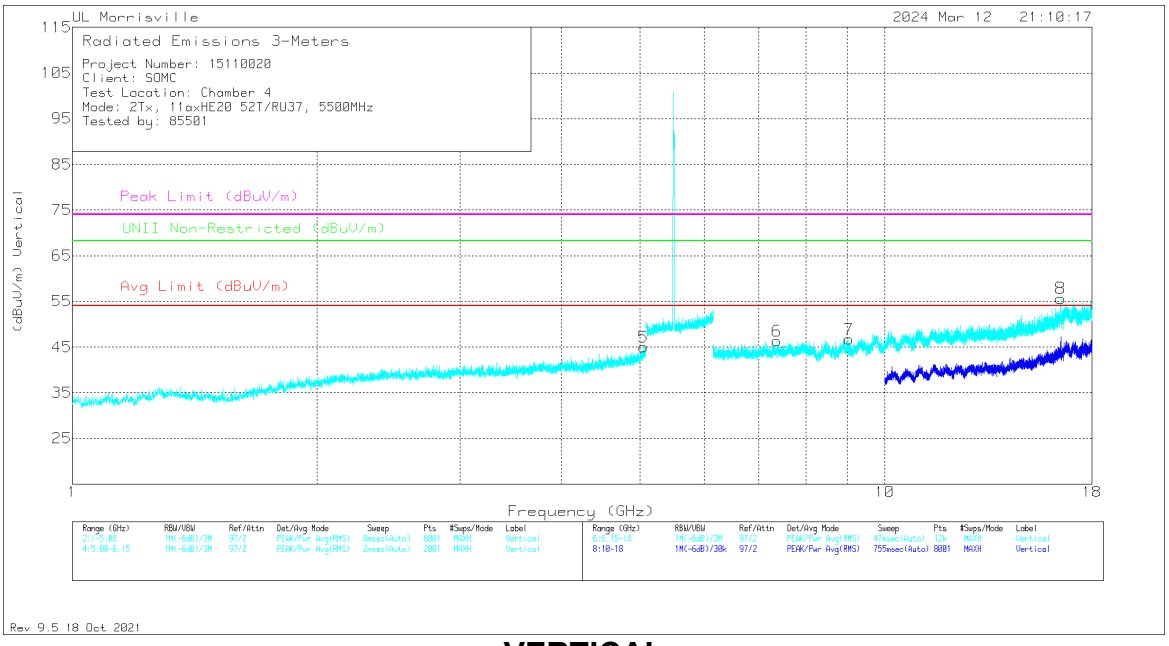
2TX 52T MODE

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL



HORIZONTAL

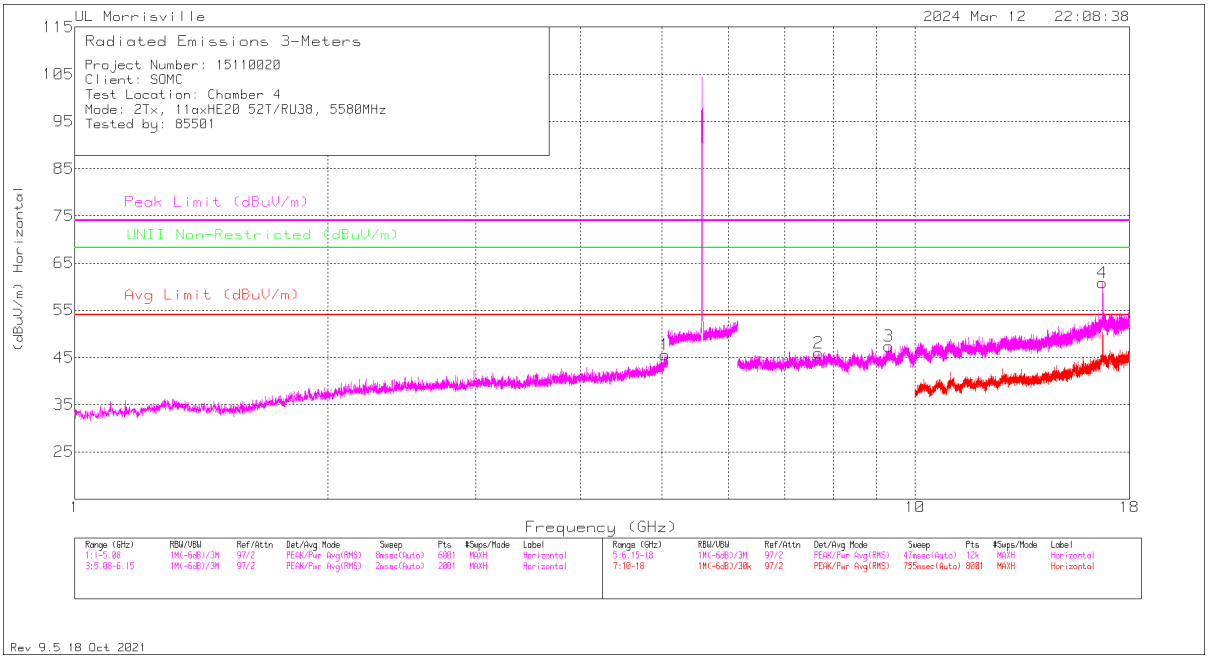


VERTICAL

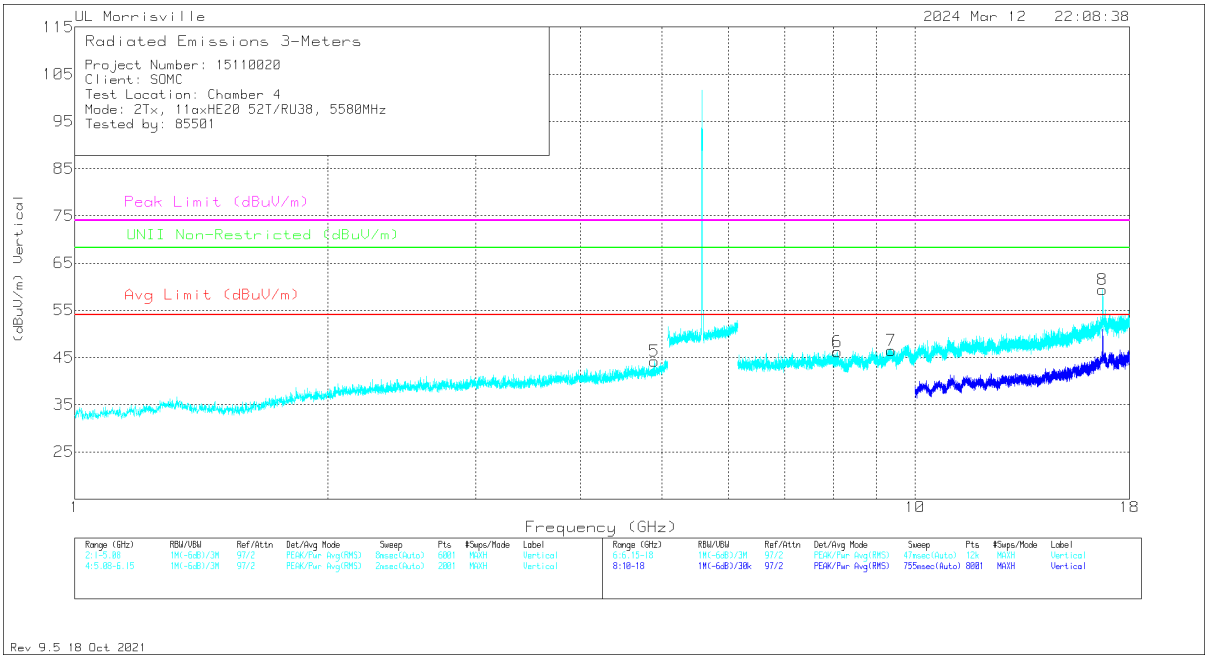
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.07116	40.15	Pk	34.1	-28.9	45.35	54	-8.65	74	-28.65	-	-	0-360	100	H
5	* ** 5.046	40.66	Pk	34.1	-29.7	45.06	54	-8.94	74	-28.94	-	-	0-360	200	V
3	* ** 9.07991	35.91	Pk	36.3	-25.2	47.01	54	-6.99	74	-26.99	-	-	0-360	100	H
6	* ** 7.36858	38.1	Pk	35.5	-27.3	46.3	54	-7.7	74	-27.7	-	-	0-360	200	V
7	* ** 9.04239	35.69	Pk	36.2	-25.2	46.69	54	-7.31	74	-27.31	-	-	0-360	200	V
2	8.8031	37.21	PK-U	36.1	-25.8	47.51	-	-	74	-26.49	68.2	-20.69	7	175	H
8	16.47549	38.91	PK-U	41.4	-20.2	60.11	-	-	74	-13.89	68.2	-8.09	12	197	V
4	16.47795	39.18	PK-U	41.4	-20.7	59.88	-	-	74	-14.12	68.2	-8.32	48	182	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



HORIZONTAL

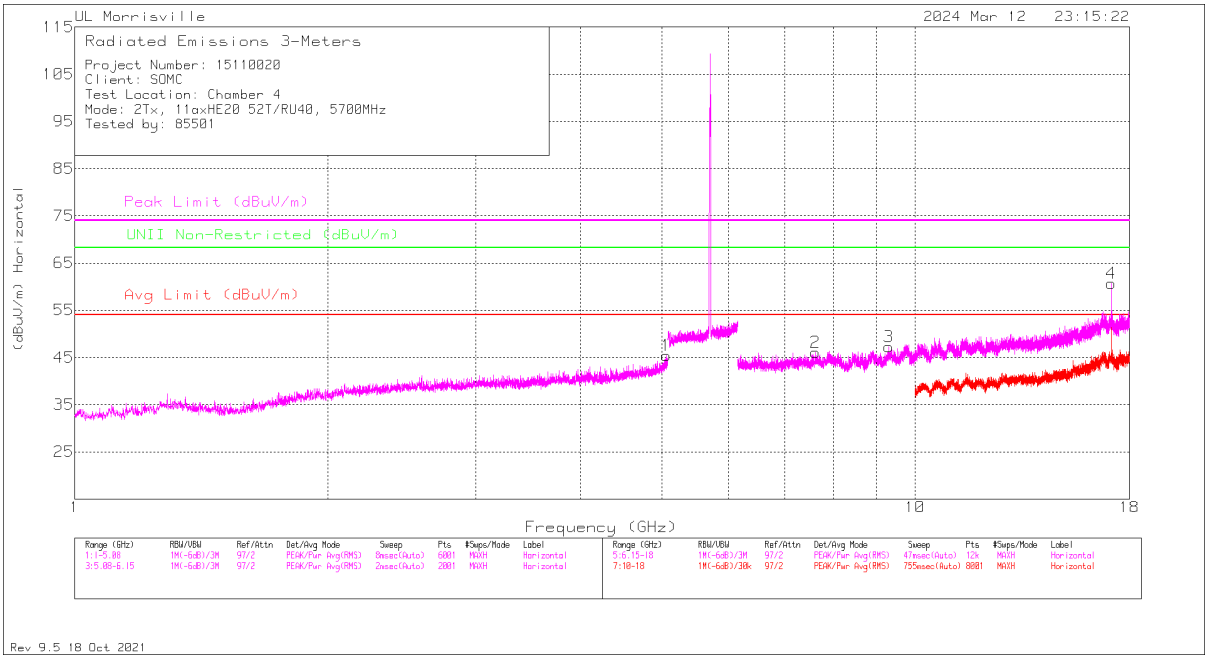


VERTICAL

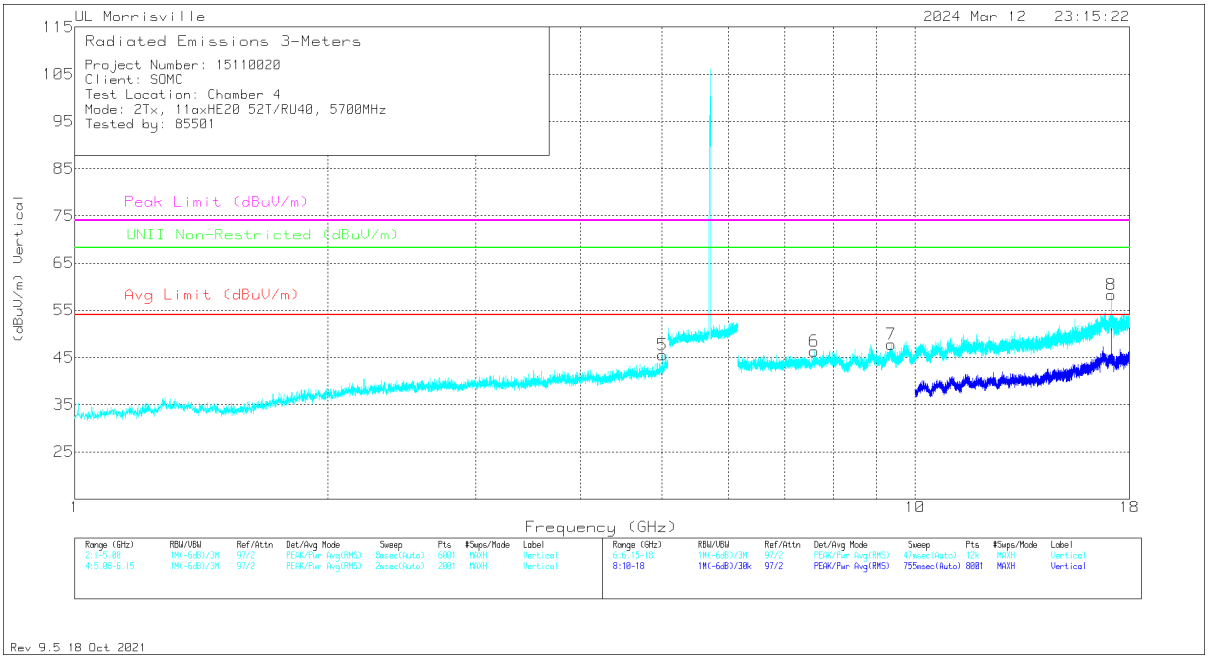
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.04192	41.08	Pk	34.1	-29.6	45.58	54	-8.42	74	-28.42	-	-	0-360	100	H
5	* ** 4.89232	41.07	Pk	34	-30.9	44.17	54	-9.83	74	-29.83	-	-	0-360	200	V
2	* ** 7.67371	37.81	Pk	35.7	-27.6	45.91	54	-8.09	74	-28.09	-	-	0-360	100	H
3	* ** 9.3021	36.23	Pk	36.4	-25.2	47.43	54	-6.57	74	-26.57	-	-	0-360	100	H
6	* ** 8.08353	37.99	Pk	35.8	-27.6	46.19	54	-7.81	74	-27.81	-	-	0-360	200	V
7	* ** 9.37814	35.18	Pk	36.6	-25.3	46.48	54	-7.52	74	-27.52	-	-	0-360	200	V
4	16.72889	32.52	PK-U	41.9	-20	54.42	-	-	74	-19.58	68.2	-13.78	220	177	V
8	16.73099	33.35	PK-U	41.9	-20.1	55.15	-	-	74	-18.85	68.2	-13.05	201	197	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



HORIZONTAL



VERTICAL

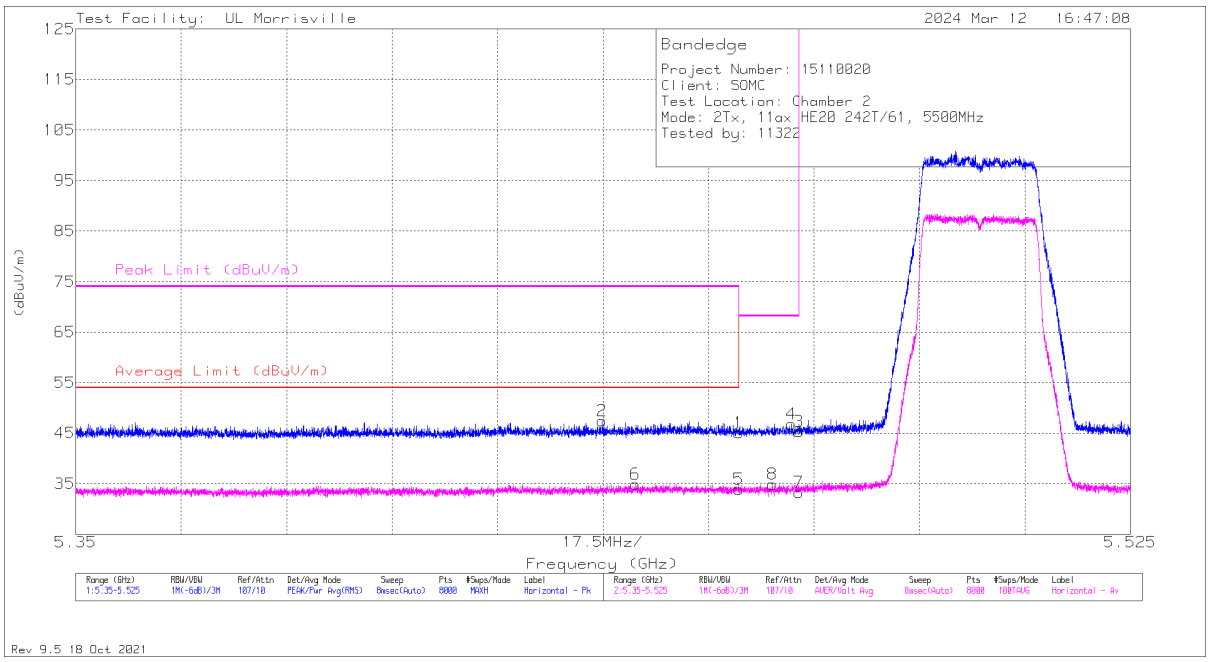
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.0596	40.26	Pk	34.1	-29	45.36	54	-8.64	74	-28.64	-	-	0-360	100	H
5	* ** 5.00384	41.89	Pk	34.1	-30.4	45.59	54	-8.41	74	-28.41	-	-	0-360	200	V
2	* ** 7.61841	37.53	Pk	35.7	-27.1	46.13	54	-7.87	74	-27.87	-	-	0-360	100	H
3	* ** 9.31	36.32	Pk	36.4	-25.4	47.32	54	-6.68	74	-26.68	-	-	0-360	100	H
6	* ** 7.58089	38.04	Pk	35.7	-27.4	46.34	54	-7.66	74	-27.66	-	-	0-360	200	V
7	* ** 9.36728	36.79	Pk	36.5	-25.5	47.79	54	-6.21	74	-26.21	-	-	0-360	200	V
4	17.12234	41.26	PK-U	41.5	-20	62.76	-	-	74	-11.24	68.2	-5.44	327	184	H
8	17.12533	43.32	PK-U	41.4	-19.5	65.22	-	-	74	-8.78	68.2	-2.98	343	181	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 242T MODE

BANDEDGE (LOW CHANNEL)

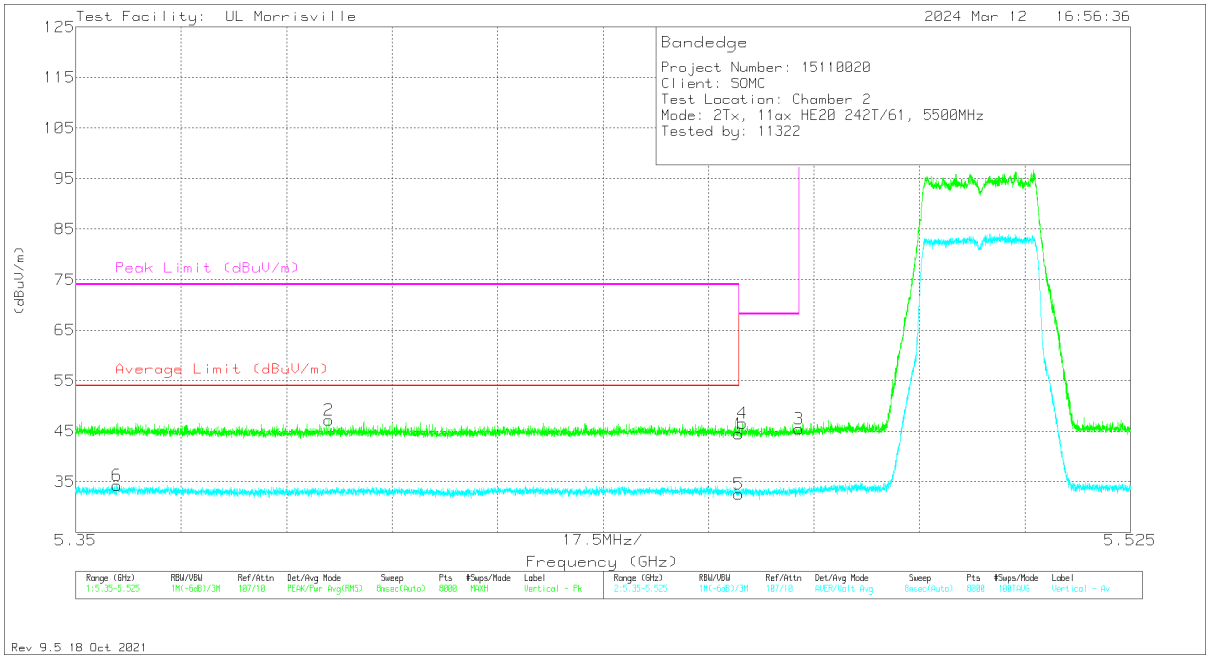
HORIZONTAL RESULT



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	* ** 5.45998	33.86	Pk	34.5	-23.3	0	45.06	-	-	74	-28.94	351	228	H
2	* ** 5.43736	36.17	Pk	34.5	-23.2	0	47.47	-	-	74	-26.53	351	228	H
5	* ** 5.45998	22.68	ADV	34.5	-23.3	0	33.88	54	-20.12	-	-	351	228	H
6	* ** 5.44287	23.52	ADV	34.5	-23.1	0	34.92	54	-19.08	-	-	351	228	H
4	5.46875	35.57	Pk	34.5	-23.3	0	46.77	-	-	68.2	-21.43	351	228	H
3	5.46998	34.06	Pk	34.5	-23.2	0	45.36	-	-	68.2	-22.84	351	228	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	* ** 5.45998	33.21	Pk	34.5	-23.3	0	44.41	-	-	74	-29.59	178	198	V
2	* ** 5.39203	35.8	Pk	34.4	-23	0	47.2	-	-	74	-26.8	178	198	V
5	* ** 5.45998	21.33	ADV	34.5	-23.3	0	32.53	54	-21.47	-	-	178	198	V
6	* ** 5.35689	22.61	ADV	34.4	-22.7	0	34.31	54	-19.69	-	-	178	198	V
4	5.46066	35.35	Pk	34.5	-23.3	0	46.55	-	-	68.2	-21.65	178	198	V
3	5.46998	34.1	Pk	34.5	-23.2	0	45.4	-	-	68.2	-22.8	178	198	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

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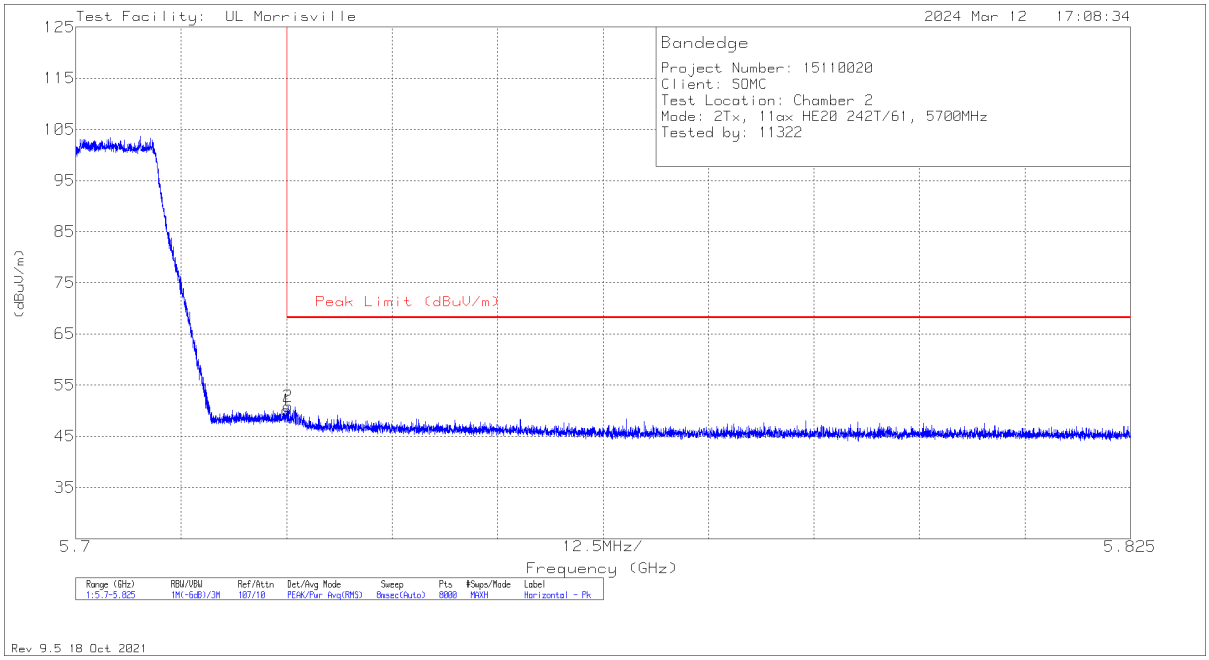
BANDEDGE (HIGH CHANNEL)

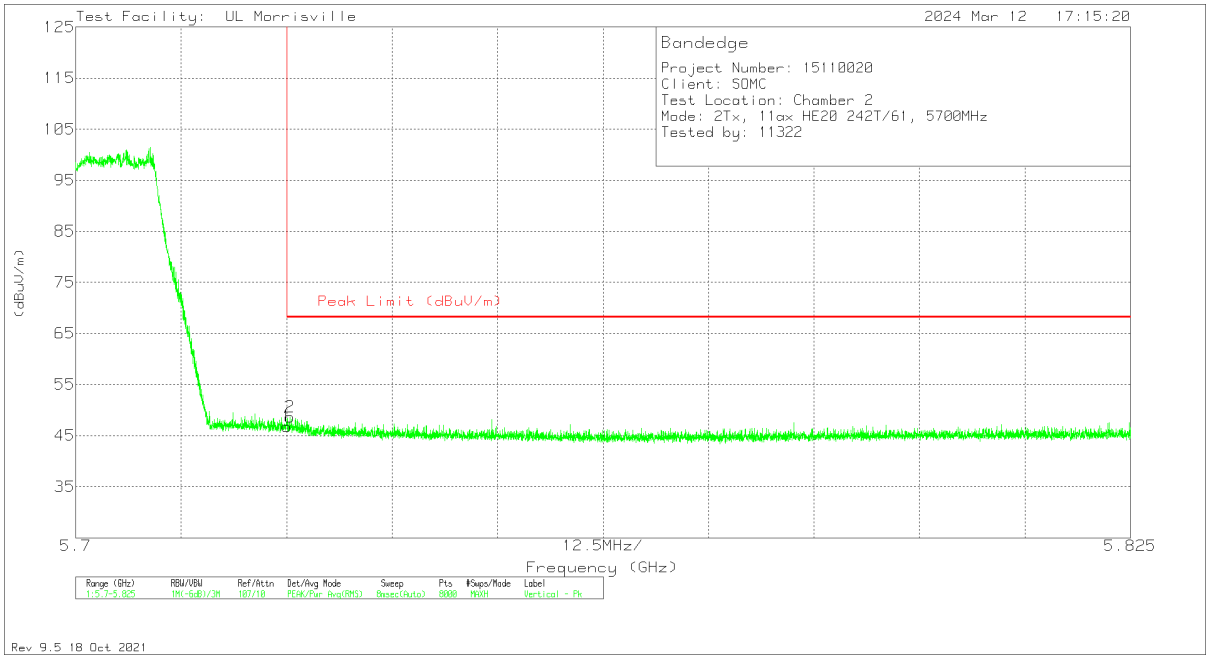
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	86408 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	38.39	Pk	34.7	-23	0	50.09	68.2	-18.11	338	213	H
2	5.72519	39.1	Pk	34.7	-23	0	50.8	68.2	-17.4	338	213	H

Pk - Peak detector

VERTICAL RESULT

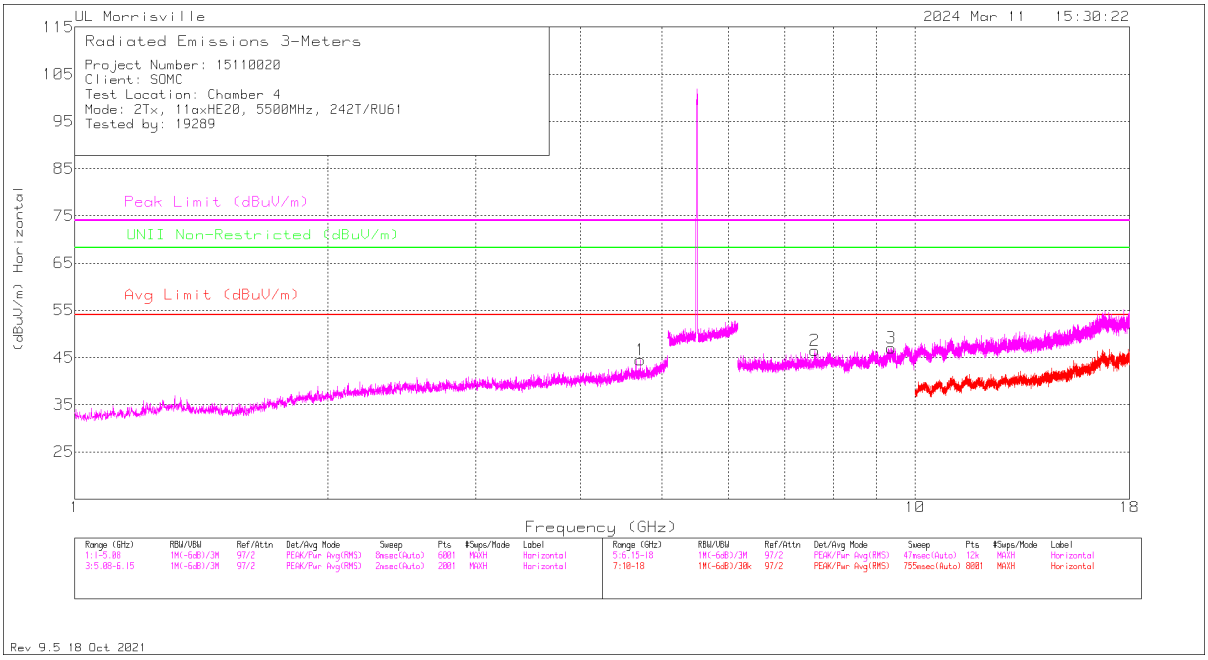


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	86408 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	35.13	Pk	34.7	-23	46.83	68.2	-21.37	12	393	V
2	5.72536	36.91	Pk	34.7	-23	48.61	68.2	-19.59	12	393	V

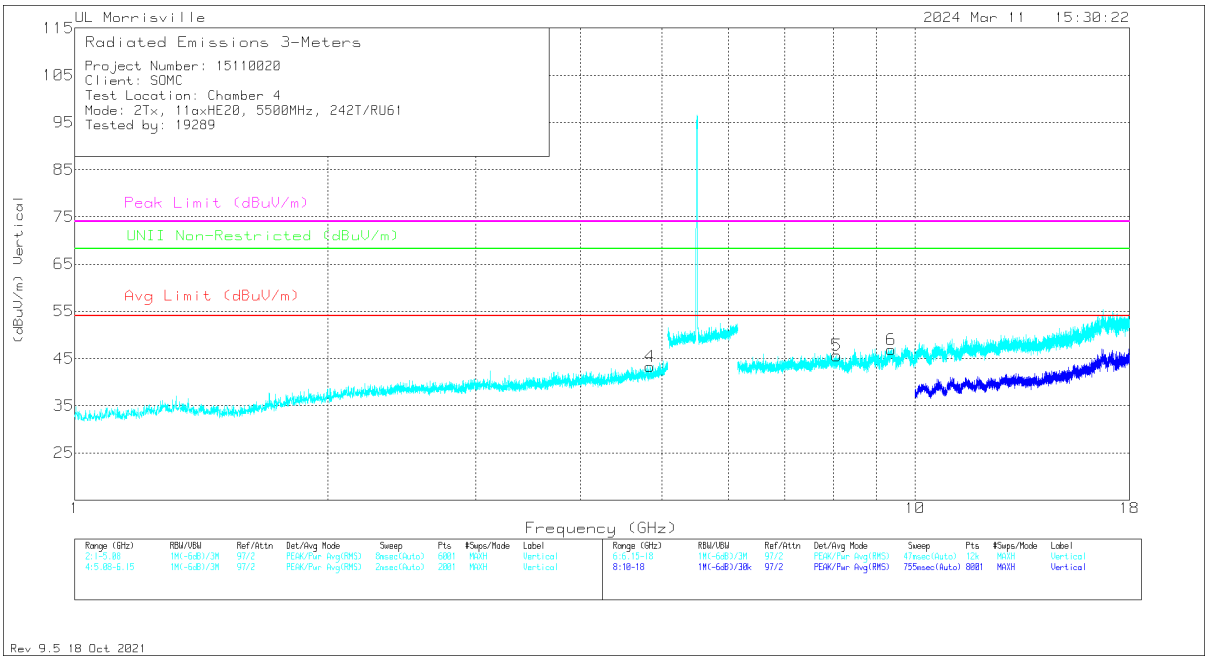
Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL



HORIZONTAL



VERTICAL

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	* ** 4.71076	41.84	Pk	34.1	-31.5	44.44	54	-9.56	74	-29.56	-	-	0-360	100	H
4	* ** 4.84064	40.16	Pk	34.1	-31	43.26	54	-10.74	74	-30.74	-	-	0-360	200	V
2	* ** 7.60064	37.92	Pk	35.7	-27.2	46.42	54	-7.58	74	-27.58	-	-	0-360	200	H
3	* ** 9.37123	36.09	Pk	36.5	-25.6	46.99	54	-7.01	74	-27.01	-	-	0-360	200	H
5	* ** 8.07464	36.81	Pk	35.8	-27	45.61	54	-8.39	74	-28.39	-	-	0-360	100	V
6	* ** 9.37814	35.61	Pk	36.6	-25.3	46.91	54	-7.09	74	-27.09	-	-	0-360	100	V

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

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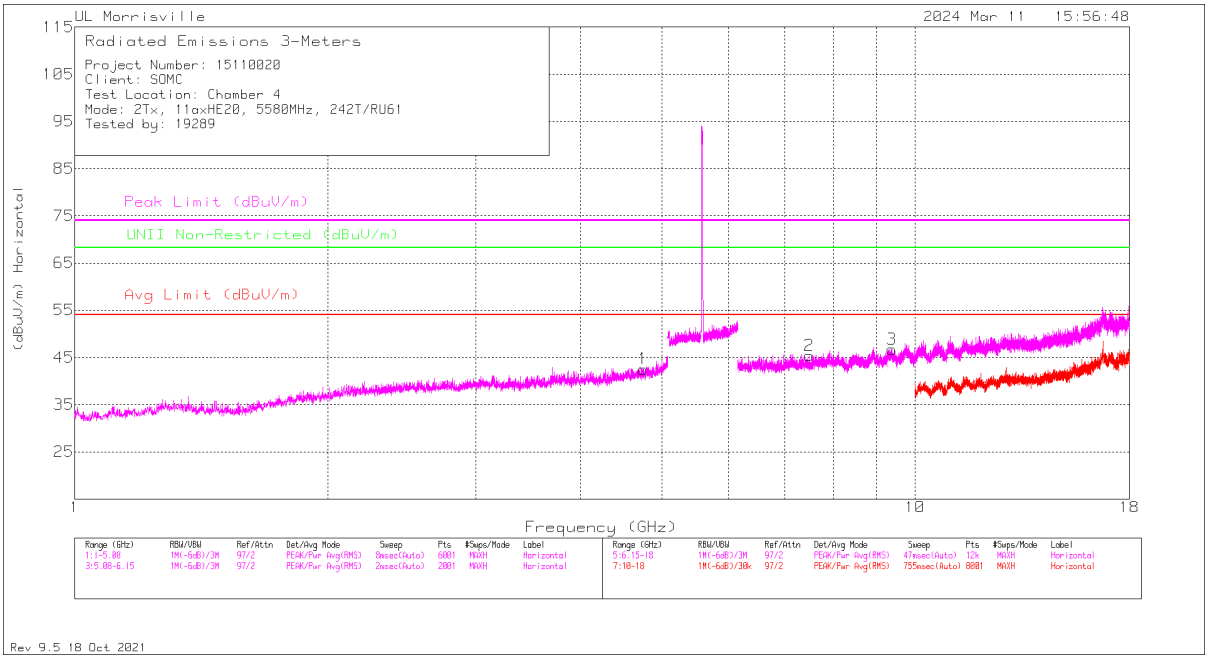
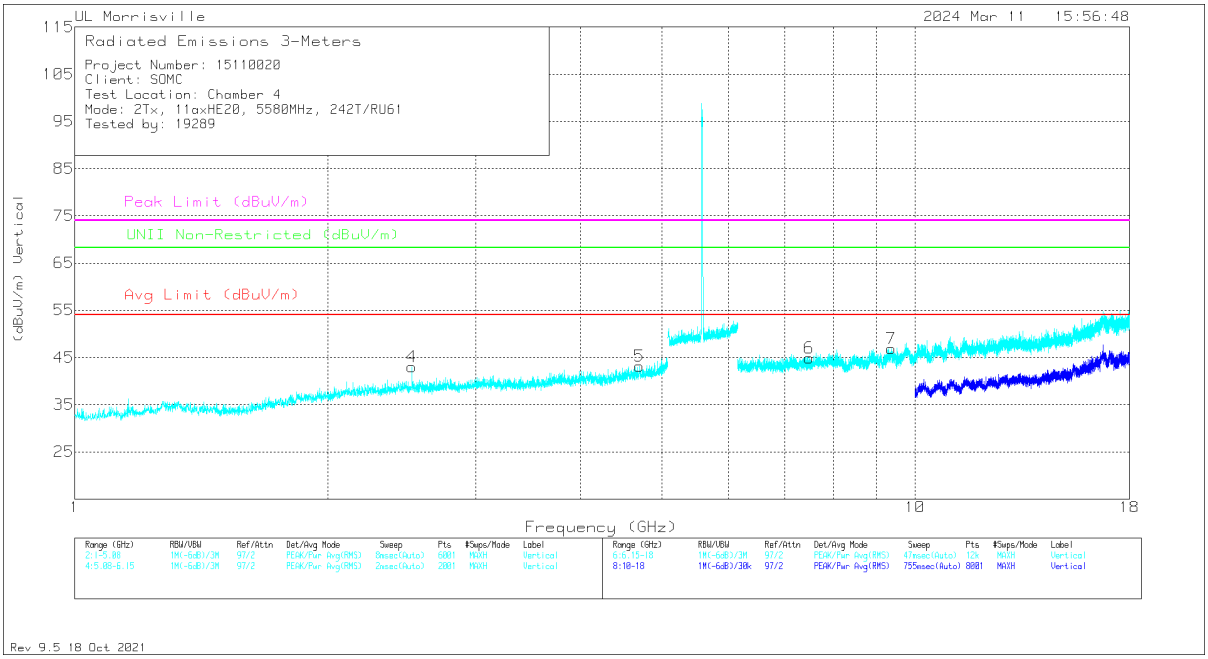
MID CHANNEL



HORIZONTAL

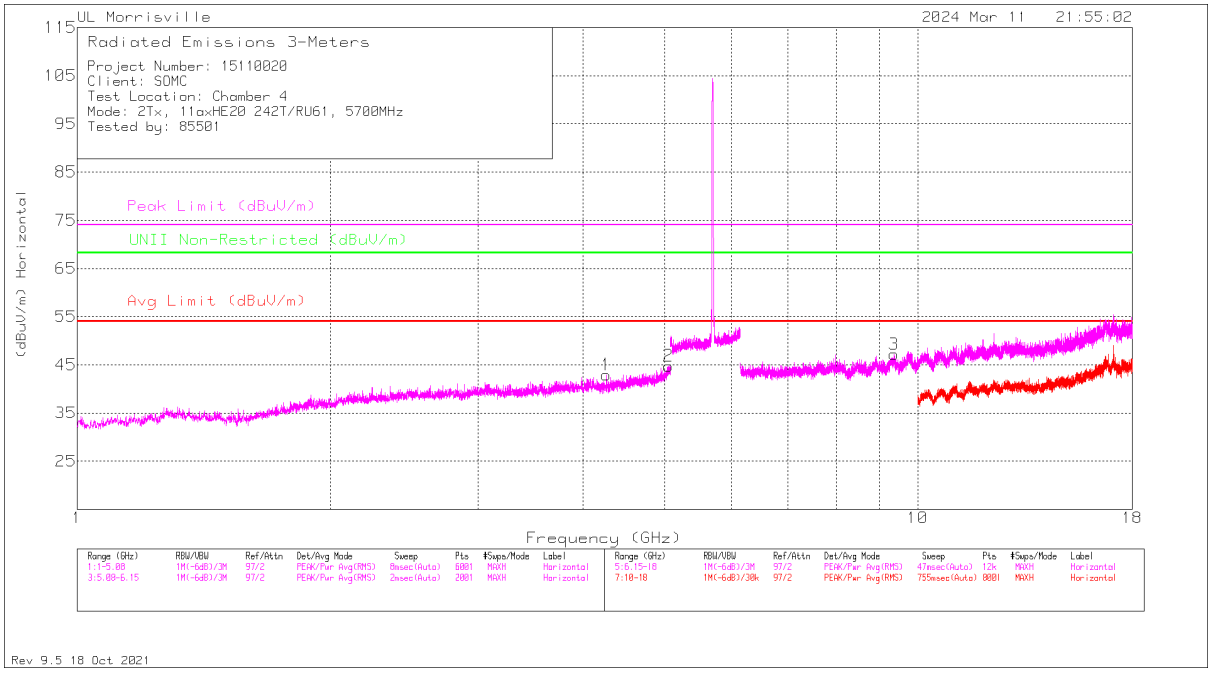


VERTICAL

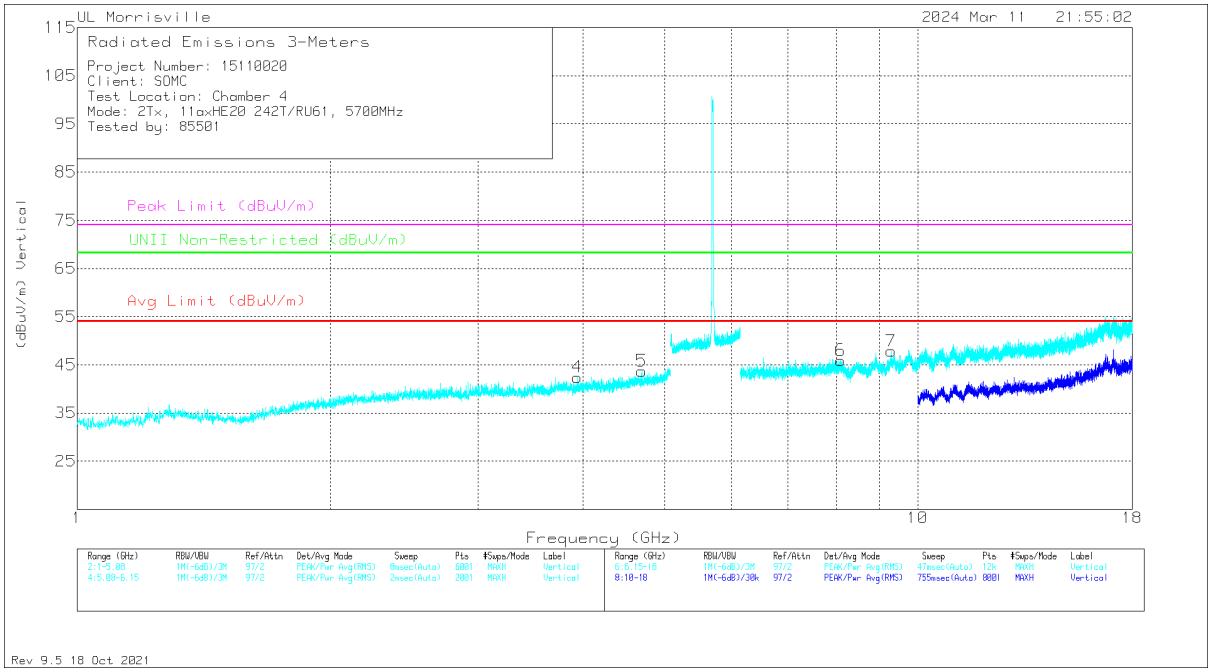
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 4.75088	39.85	Pk	34	-31.3	42.55	54	-11.45	74	-31.45	-	-	0-360	100	H
4	** 2.5198	46.06	Pk	32.4	-35.5	42.96	54	-11.04	74	-31.04	68.2	-25.24	0-360	200	V
5	* ** 4.69512	40.47	Pk	34.1	-31.4	43.17	54	-10.83	74	-30.83	-	-	0-360	200	V
2	* ** 7.47918	37.74	Pk	35.6	-27.9	45.44	54	-8.56	74	-28.56	-	-	0-360	100	H
3	* ** 9.38209	35.27	Pk	36.6	-25.1	46.77	54	-7.23	74	-27.23	-	-	0-360	100	H
6	* ** 7.48115	37.23	Pk	35.6	-28	44.83	54	-9.17	74	-29.17	-	-	0-360	200	V
7	* ** 9.3653	35.69	Pk	36.5	-25.3	46.89	54	-7.11	74	-27.11	-	-	0-360	200	V

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

HIGH CHANNEL



HORIZONTAL



VERTICAL

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	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	* ** 4.26196	41.21	Pk	33.4	-31.7	42.91	54	-11.09	74	-31.09	-	-	0-360	100	H
2	* ** 5.0494	39.97	Pk	34.1	-29.3	44.77	54	-9.23	74	-29.23	-	-	0-360	100	H
4	* ** 3.93352	41.73	Pk	33.4	-32.7	42.43	54	-11.57	74	-31.57	-	-	0-360	200	V
5	* ** 4.69512	41	Pk	34.1	-31.4	43.7	54	-10.3	74	-30.3	-	-	0-360	200	V
3	* ** 9.37419	36.19	Pk	36.5	-25.5	47.19	54	-6.81	74	-26.81	-	-	0-360	100	H
6	* ** 8.09439	37.11	Pk	35.8	-27	45.91	54	-8.09	74	-28.09	-	-	0-360	200	V
7	9.29914	36.73	Pk	36.4	-25.3	47.83	54	-6.17	74	-26.17	68.2	-20.37	0-360	200	V

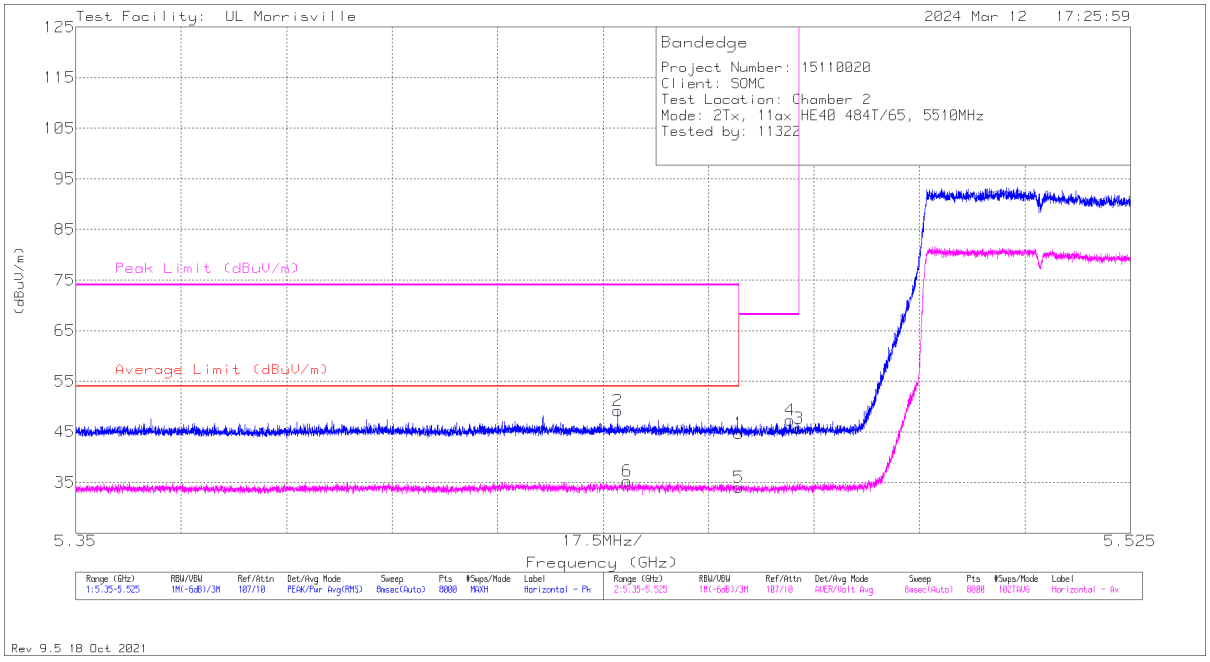
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
Pk - Peak detector

10.1.9. 802.11ax HE40 MODE IN THE 5.6GHz BAND

2TX 484T MODE

BANDEDGE (LOW CHANNEL)

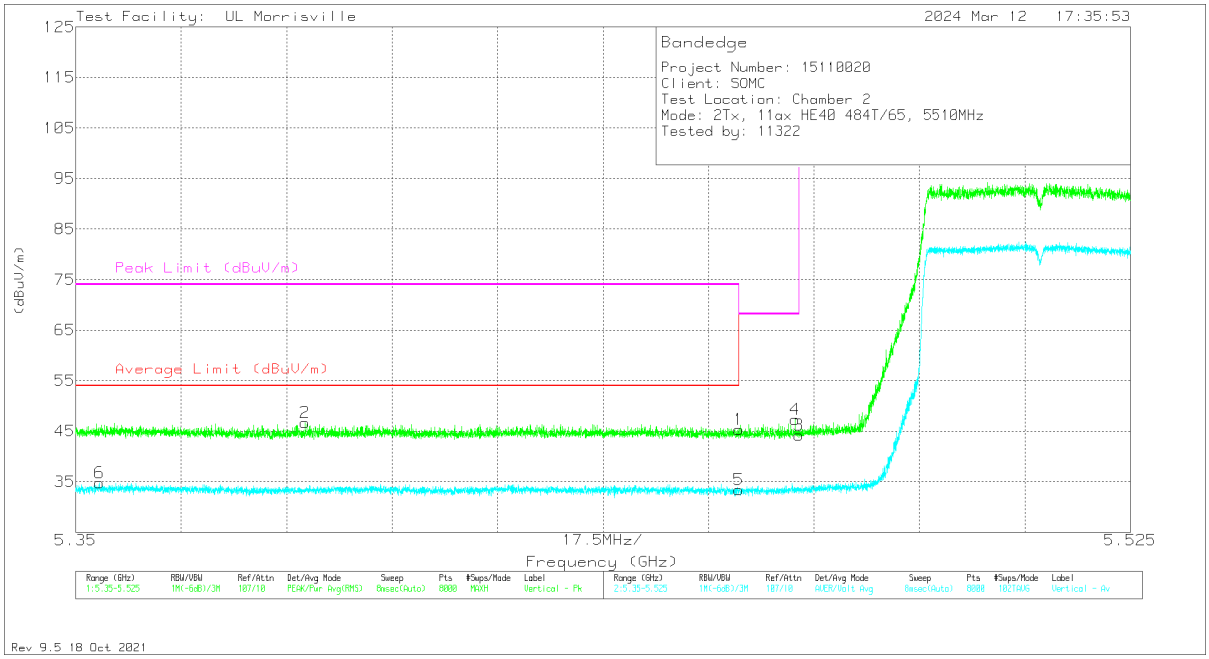
HORIZONTAL RESULT



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	* ** 5.45998	33.45	Pk	34.5	-23.3	0	44.65	-	-	74	-29.35	40	317	H
2	* ** 5.43992	37.77	Pk	34.5	-23.1	0	49.17	-	-	74	-24.83	40	317	H
5	* ** 5.45998	22.62	ADV	34.5	-23.3	.18	34	54	-20	-	-	40	317	H
6	* ** 5.44147	23.66	ADV	34.5	-23.1	.18	35.24	54	-18.76	-	-	40	317	H
4	5.46849	36.12	Pk	34.5	-23.3	0	47.32	-	-	68.2	-20.88	40	317	H
3	5.46998	34.37	Pk	34.5	-23.2	0	45.67	-	-	68.2	-22.53	40	317	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	* ** 5.45998	34.16	Pk	34.5	-23.3	0	45.36	-	-	74	-28.64	148	302	V
2	* ** 5.38805	35.28	Pk	34.4	-23	0	46.68	-	-	74	-27.32	148	302	V
5	* ** 5.45998	22.08	ADV	34.5	-23.3	.18	33.46	54	-20.54	-	-	148	302	V
6	* ** 5.35392	22.89	ADV	34.4	-22.7	.18	34.77	54	-19.23	-	-	148	302	V
4	5.46937	36.02	Pk	34.5	-23.2	0	47.32	-	-	68.2	-20.88	148	302	V
3	5.46998	32.94	Pk	34.5	-23.2	0	44.24	-	-	68.2	-23.96	148	302	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

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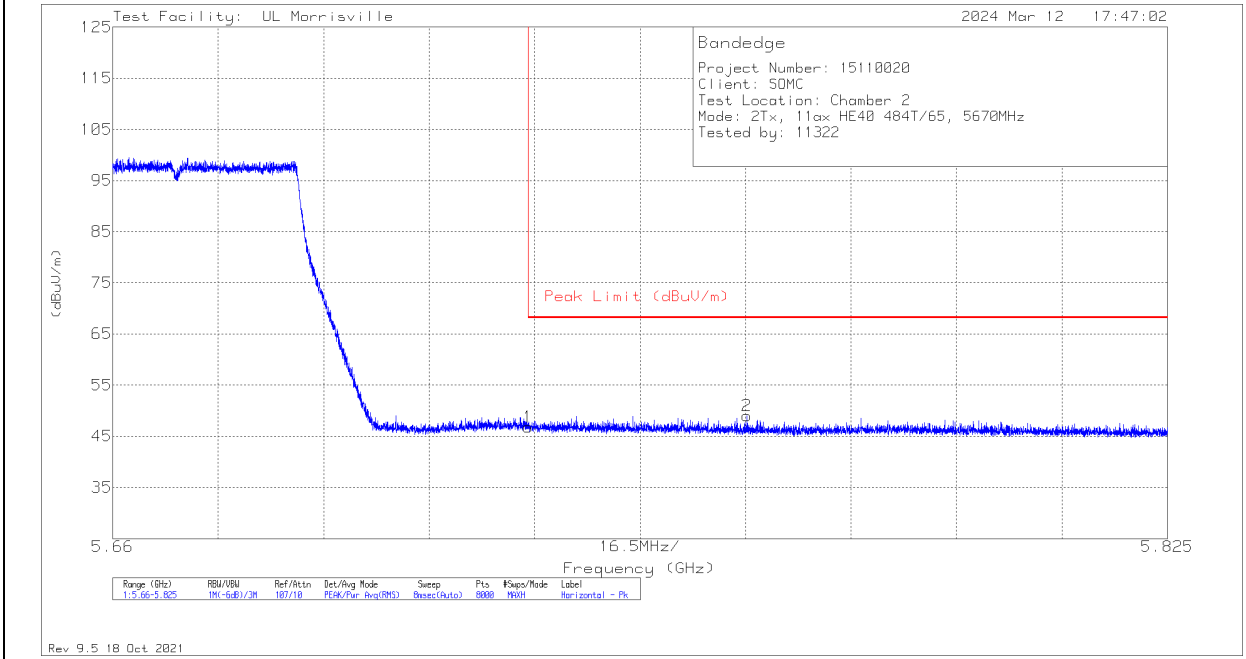
BANDEDGE (HIGH CHANNEL)

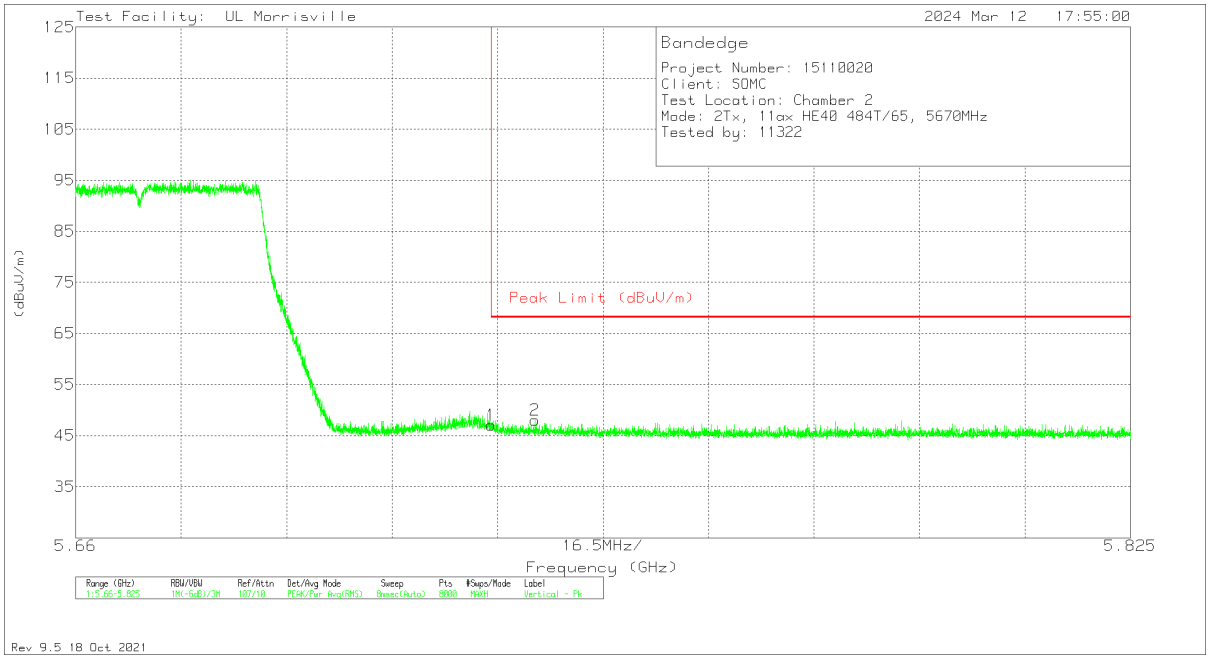
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	86408 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72502	35.07	Pk	34.7	-23	0	46.77	68.2	-21.43	334	256	H
2	5.75924	37.49	Pk	34.7	-23.2	0	48.99	68.2	-19.21	334	256	H

Pk - Peak detector

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	86408 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72502	35.33	Pk	34.7	-23	0	47.03	68.2	-21.17	165	267	V
2	5.73185	36.27	Pk	34.7	-22.9	0	48.07	68.2	-20.13	165	267	V

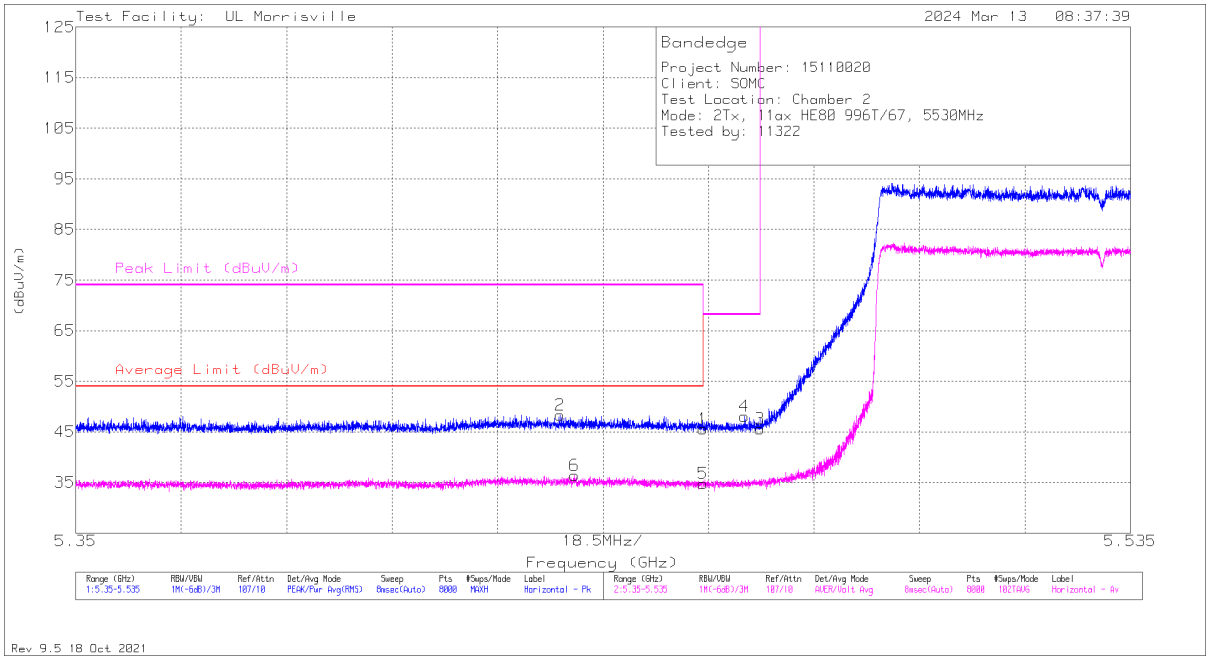
Pk - Peak detector

10.1.10. 802.11ax HE80 MODE IN THE 5.6GHz BAND

2TX 996T MODE

BANDEDGE (LOW CHANNEL)

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	* ** 5.46	34.43	Pk	34.5	-23.3	0	45.63	-	-	74	-28.37	349	255	H
2	* ** 5.43497	37.03	Pk	34.5	-23.2	0	48.33	-	-	74	-25.67	349	255	H
5	* ** 5.46	23.31	ADV	34.5	-23.3	.24	34.75	54	-19.25	-	-	349	255	H
6	* ** 5.43745	24.81	ADV	34.5	-23.2	.24	36.35	54	-17.65	-	-	349	255	H
4	5.46731	36.84	Pk	34.5	-23.3	0	48.04	-	-	68.2	-20.16	349	255	H
3	5.46999	34.26	Pk	34.5	-23.2	0	45.56	-	-	68.2	-22.64	349	255	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