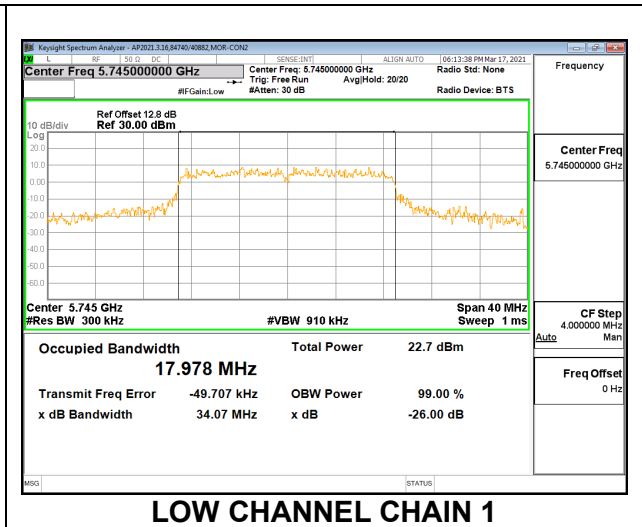
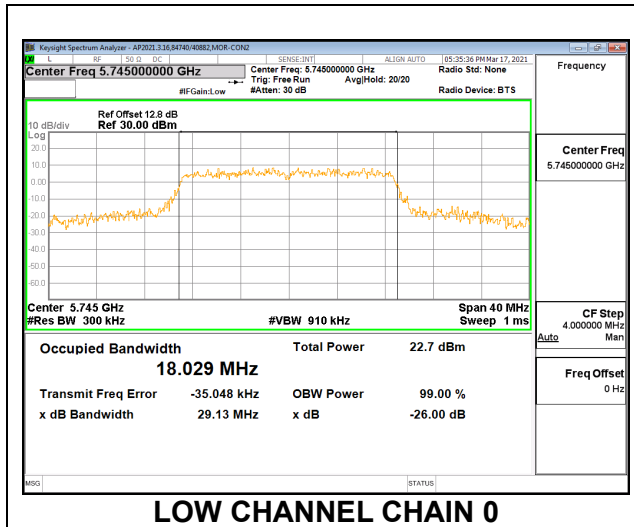


### 9.3.8. 802.11n HT20 MODE IN THE 5.8 GHz BAND

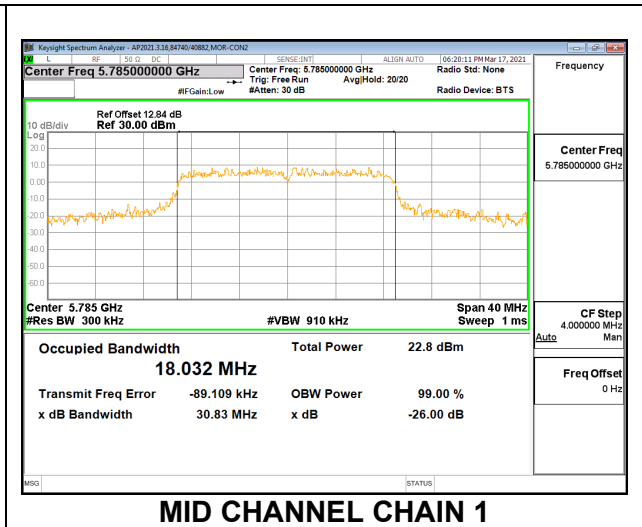
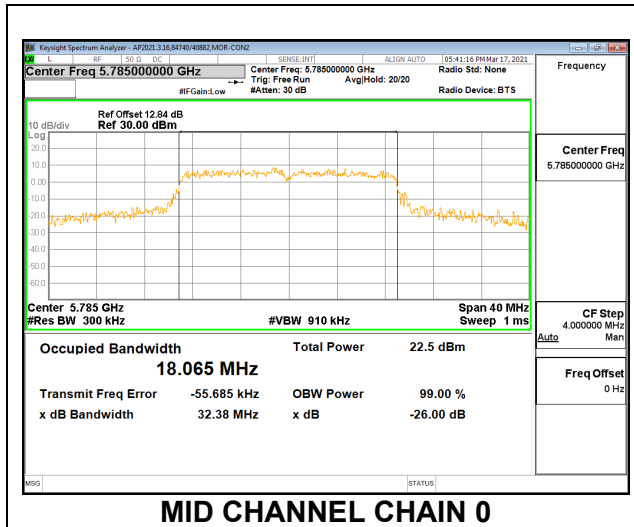
#### 2TX Chain 0 + Chain 1 CDD MODE

Channel	Frequency (MHz)	99% Bandwidth Chain 0 (MHz)	99% Bandwidth Chain 1 (MHz)
Low	5745	18.029	17.978
Mid	5785	18.065	18.032
High	5825	18.170	18.025

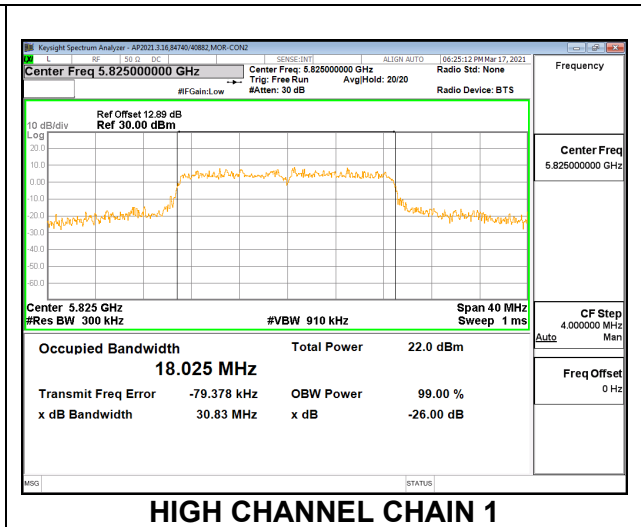
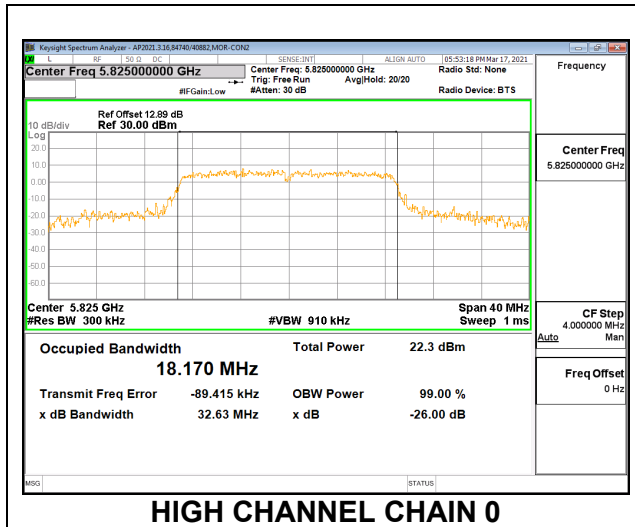
#### LOW CHANNEL



#### MID CHANNEL



### HIGH CHANNEL



### 9.4. 6 dB BANDWIDTH

#### LIMITS

FCC §15.407 (e)

RSS-247 6.2.4.1

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

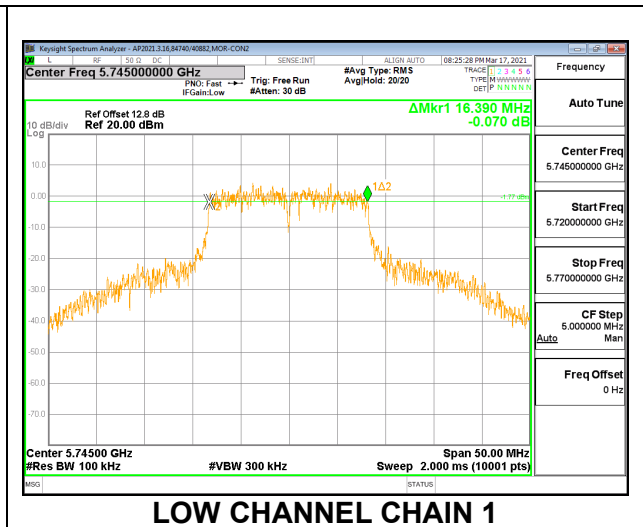
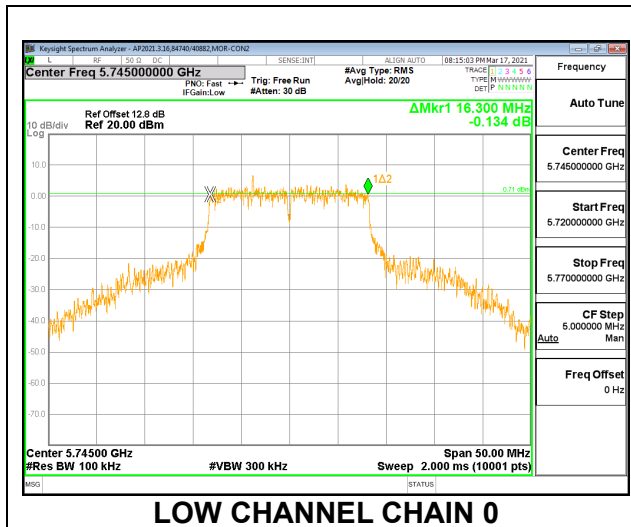
#### RESULTS

##### 9.4.1. 802.11a MODE IN THE 5.8 GHz BAND

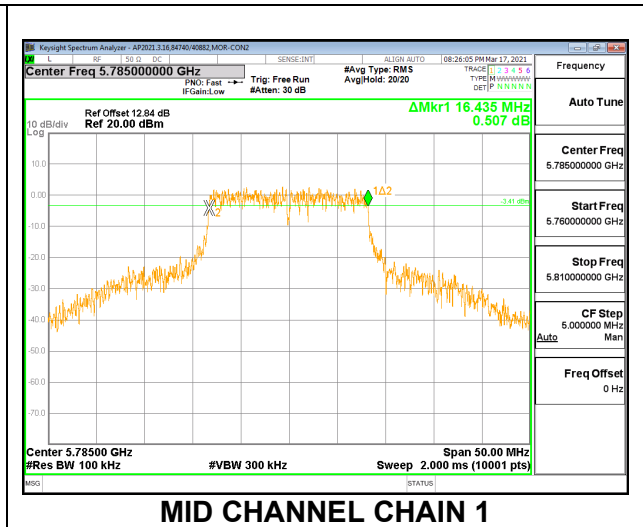
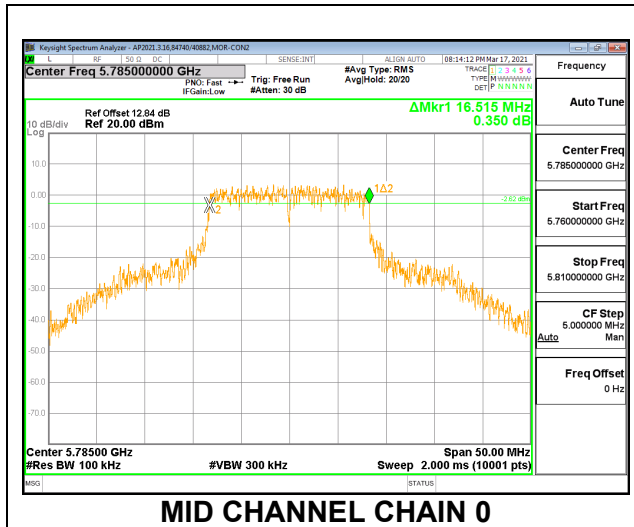
##### 2TX Chain 0 + Chain 1 CDD MODE

Channel	Frequency (MHz)	6 dB BW Chain 0 (MHz)	6 dB BW Chain 1 (MHz)	Minimum Limit (MHz)
Low	5745	16.300	16.390	0.5
Mid	5785	16.515	16.435	0.5
High	5825	16.475	16.465	0.5

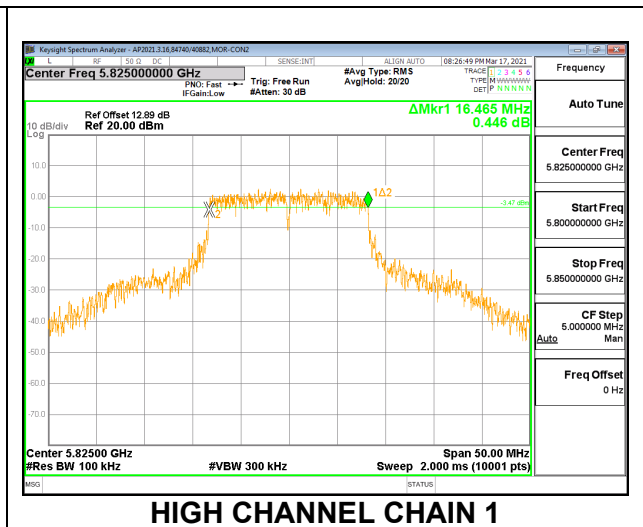
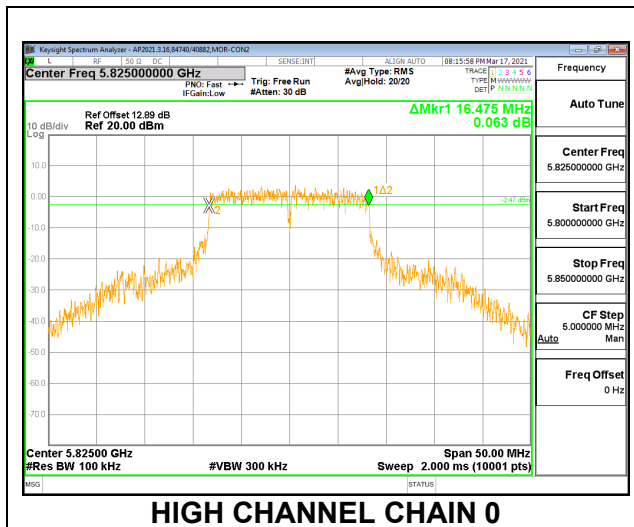
#### LOW CHANNEL



### MID CHANNEL



### HIGH CHANNEL

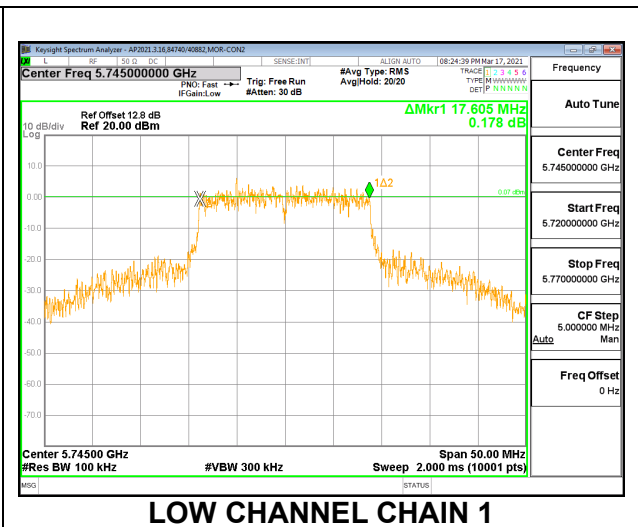
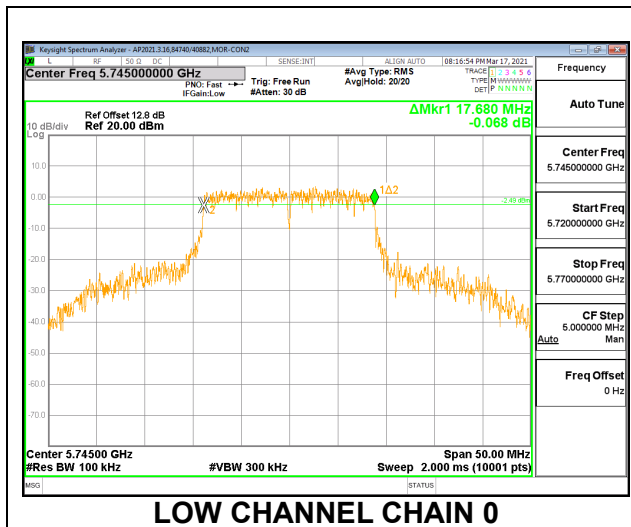


### 9.4.2. 802.11n HT20 MODE IN THE 5.8 GHz BAND

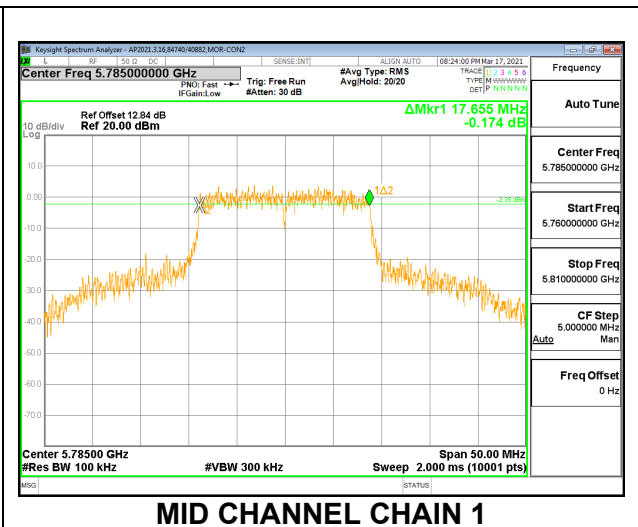
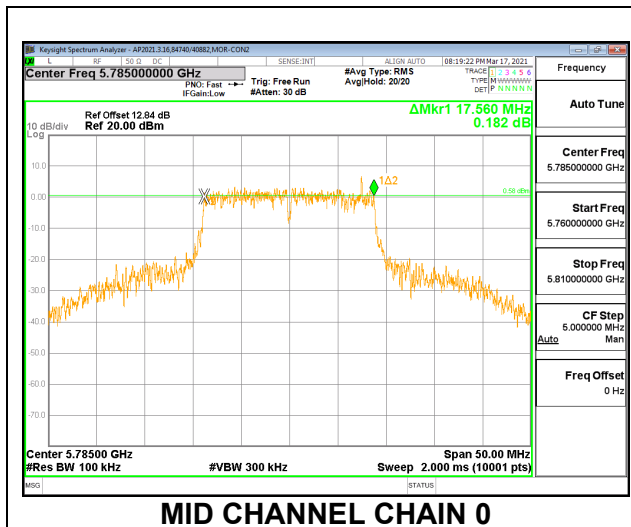
#### 2TX Chain 0 + Chain 1 CDD MODE

Channel	Frequency (MHz)	6 dB BW Chain 0 (MHz)	6 dB BW Chain 1 (MHz)	Minimum Limit (MHz)
Low	5745	17.680	17.605	0.5
Mid	5785	17.560	17.655	0.5
High	5825	17.685	17.600	0.5

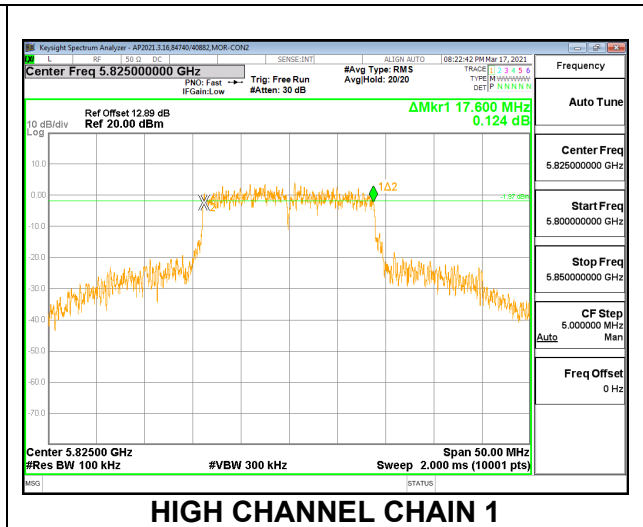
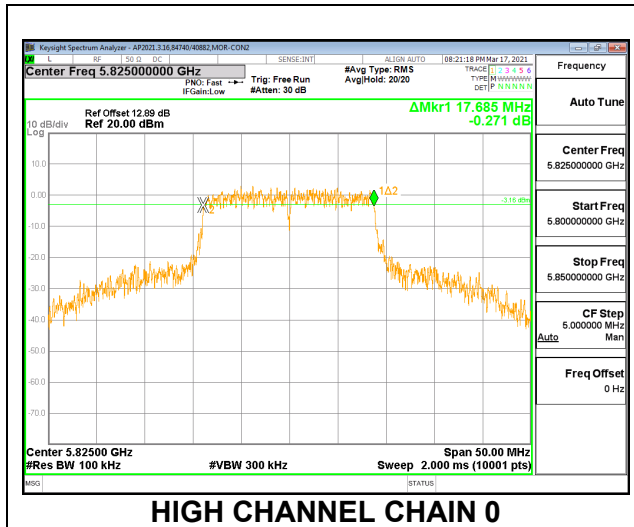
#### LOW CHANNEL



#### MID CHANNEL



### HIGH CHANNEL



## 9.5. OUTPUT POWER AND PSD

### LIMITS

#### **FCC §15.407**

##### **Band 5.15–5.25 GHz**

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

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

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

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

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

## **RSS-247**

### **Band 5.15-5.25 GHz**

The maximum e.i.r.p. shall not exceed 200 mW or  $10 + 10 \log_{10}B$ , dBm, whichever power is less. B is the 99% emission bandwidth in megahertz. The e.i.r.p. spectral density shall not exceed 10 dBm in any 1.0 MHz band.

### **Band 5.25-5.35 GHz**

The maximum conducted output power shall not exceed 250 mW or  $11 + 10 \log_{10}B$ , dBm, whichever is less. The power spectral density shall not exceed 11 dBm in any 1.0 MHz band.

The maximum e.i.r.p. shall not exceed 1.0 W or  $17 + 10 \log_{10}B$ , dBm, whichever is less. B is the 99% emission bandwidth in megahertz. Note that devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

### **Bands 5.47-5.6 GHz and 5.65-5.725 GHz**

The maximum conducted output power shall not exceed 250 mW or  $11 + 10 \log_{10}B$ , dBm, whichever is less. The power spectral density shall not exceed 11 dBm in any 1.0 MHz band.

The maximum e.i.r.p. shall not exceed 1.0 W or  $17 + 10 \log_{10}B$ , dBm, whichever is less. B is the 99% emission bandwidth in megahertz. Note that devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

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

The maximum conducted output power shall not exceed 1 W. The 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 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 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:

<b>Band (GHz)</b>	<b>Chain 0 Antenna Gain (dBi)</b>	<b>Chain 1 Antenna Gain (dBi)</b>	<b>Uncorrelated Chains Directional Gain (dBi)</b>	<b>Correlated Chains Directional Gain (dBi)</b>
5.2	1.9	1.2	1.56	4.57
5.3	1.6	2.0	1.80	4.81
5.6	1.6	3.0	2.36	5.34
5.8	0.6	1.9	1.30	4.28

**RESULTS**

### 9.5.1. 802.11a MODE IN THE 5.2 GHz BAND

#### 2TX Chain 0 + Chain 1 CDD MODE (FCC+IC) MOBILE

<b>Test Engineer:</b>	84740/40882
<b>Test Date:</b>	2021-03-16

#### Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Low	5180	16.6082	1.56	4.57
Mid	5200	16.5670	1.56	4.57
High	5240	16.6180	1.56	4.57

#### Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/1 MHz)	ISED eirp PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5180	24.00	22.20	20.64	20.64	11.00	10.00	5.43
Mid	5200	24.00	22.19	20.63	20.63	11.00	10.00	5.43
High	5240	24.00	22.21	20.65	20.65	11.00	10.00	5.43

<b>Duty Cycle CF (dB)</b>	2.70	<b>Included in Calculations of Corr'd PSD</b>
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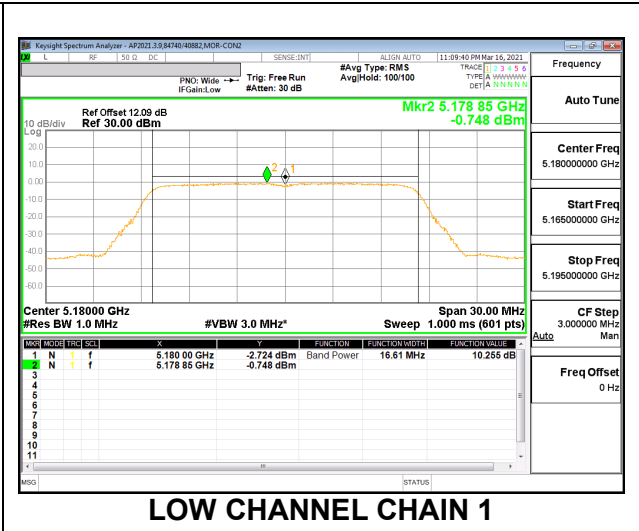
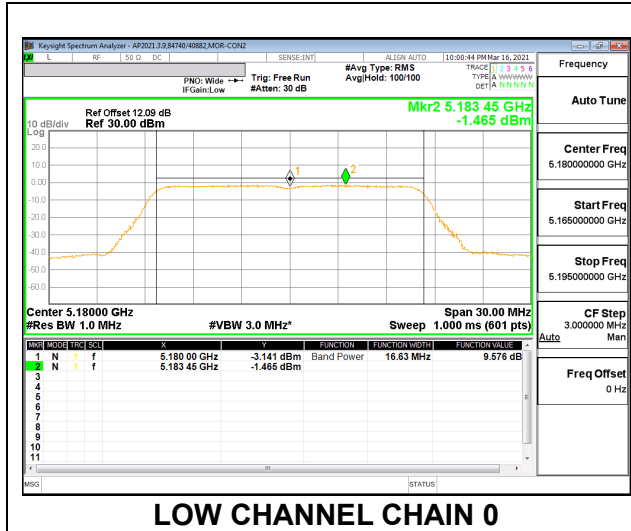
#### Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	12.75	12.37	15.57	20.64	-5.07
Mid	5200	12.57	12.58	15.59	20.63	-5.05
High	5240	12.82	12.80	15.82	20.65	-4.83

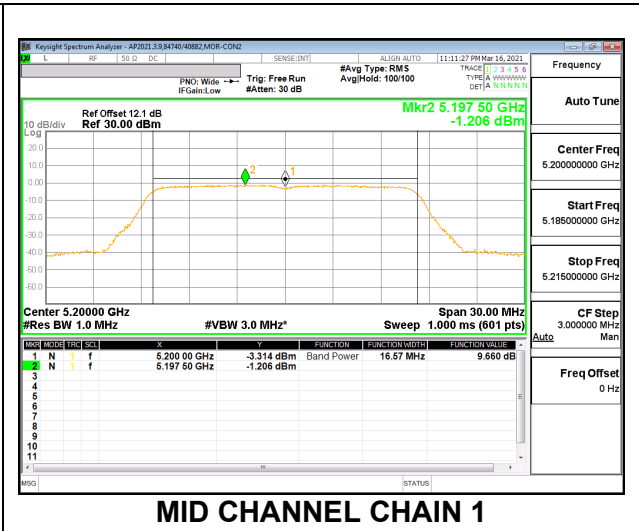
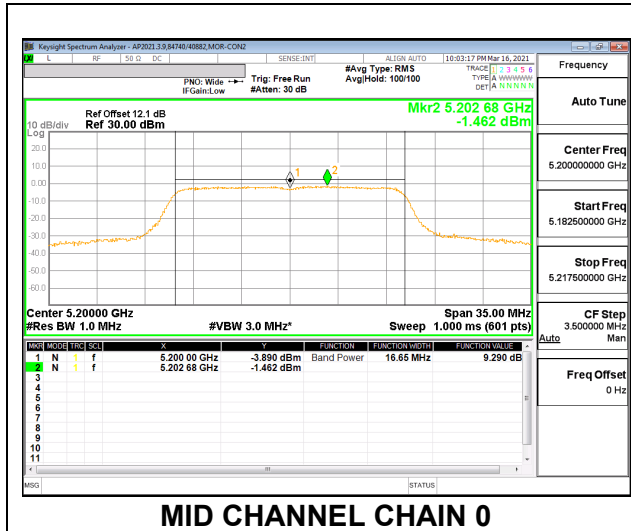
#### PSD Results

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	-1.47	-0.75	4.62	5.43	-0.81
Mid	5200	-1.46	-1.21	4.38	5.43	-1.05
High	5240	-0.60	-0.72	5.05	5.43	-0.38

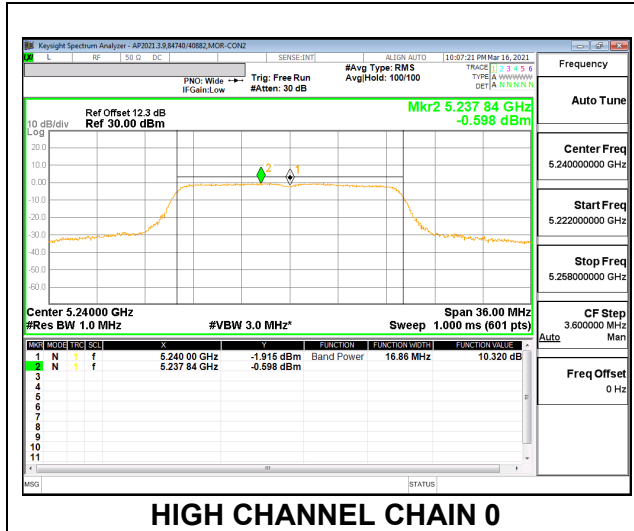
### LOW CHANNEL



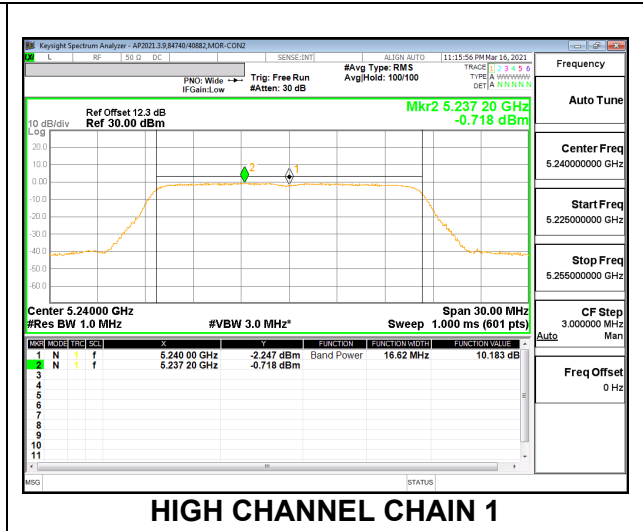
### MID CHANNEL



### HIGH CHANNEL



**HIGH CHANNEL CHAIN 0**



**HIGH CHANNEL CHAIN 1**

### 9.5.2. 802.11n HT20 MODE IN THE 5.2 GHz BAND

#### 2TX Chain 0 + Chain 1 CDD MODE (FCC+IC) MOBILE

Test Engineer:	84740/40882
Test Date:	2021-03-16

#### Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Low	5180	17.6900	1.56	4.57
Mid	5200	17.6570	1.56	4.57
High	5240	17.7180	1.56	4.57

#### Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	ISED eirp PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5180	24.00	22.48	20.92	20.92	11.00	10.00	5.43
Mid	5200	24.00	22.47	20.91	20.91	11.00	10.00	5.43
High	5240	24.00	22.48	20.92	20.92	11.00	10.00	5.43

Duty Cycle CF (dB)	2.15	Included in Calculations of Corr'd PSD
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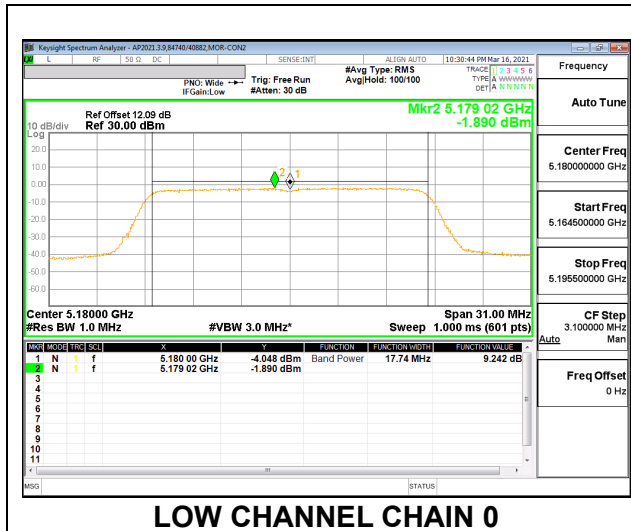
#### Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	12.80	12.76	15.79	20.92	-5.13
Mid	5200	12.64	12.75	15.71	20.91	-5.20
High	5240	12.62	12.53	15.59	20.92	-5.34

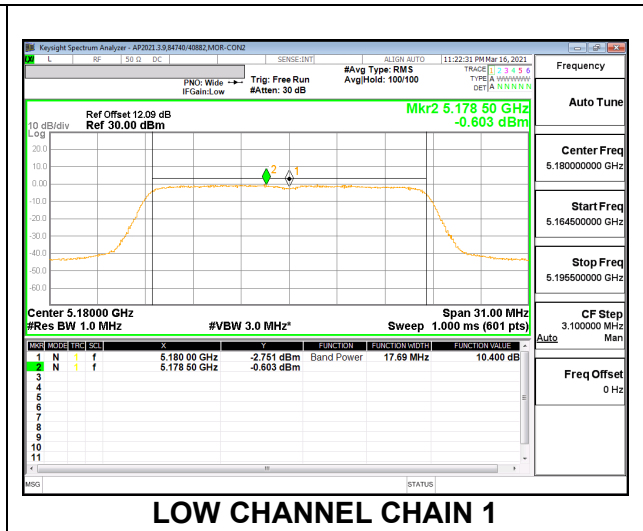
#### PSD Results

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	-1.89	-0.60	3.96	5.43	-1.47
Mid	5200	-0.37	-0.72	4.62	5.43	-0.81
High	5240	-0.71	-0.10	4.76	5.43	-0.67

### LOW CHANNEL

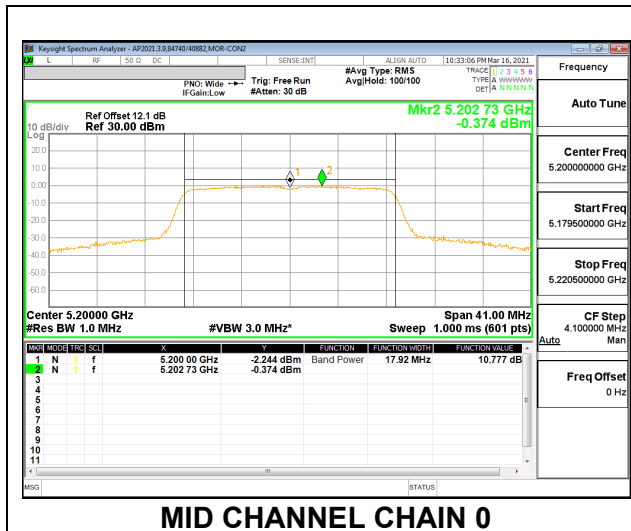


LOW CHANNEL CHAIN 0

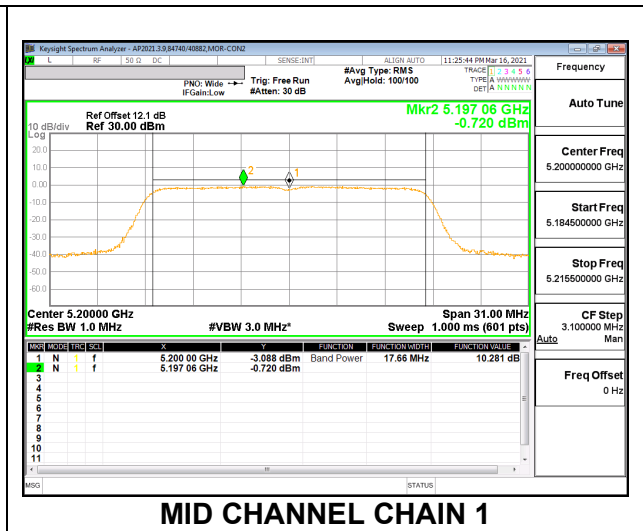


LOW CHANNEL CHAIN 1

### MID CHANNEL

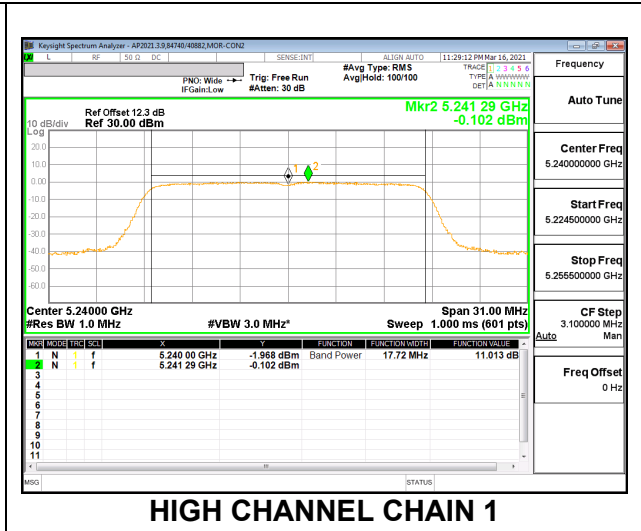
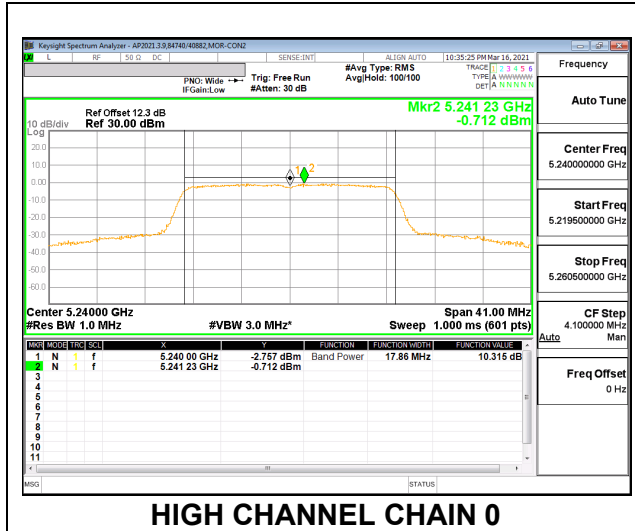


MID CHANNEL CHAIN 0



MID CHANNEL CHAIN 1

### HIGH CHANNEL



### 9.5.3. 802.11a MODE IN THE 5.3 GHz BAND

#### 2TX Chain 0 + Chain 1 CDD MODE (FCC)

Test Engineer:	84740/40882
Test Date:	2021-03-16

#### 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	31.70	1.80	4.81	24.00	11.00
Mid	5300	34.00	1.80	4.81	24.00	11.00
High	5320	31.55	1.80	4.81	24.00	11.00

Duty Cycle CF (dB)	2.70	Included in Calculations of Corr'd PSD
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#### Output Power Results

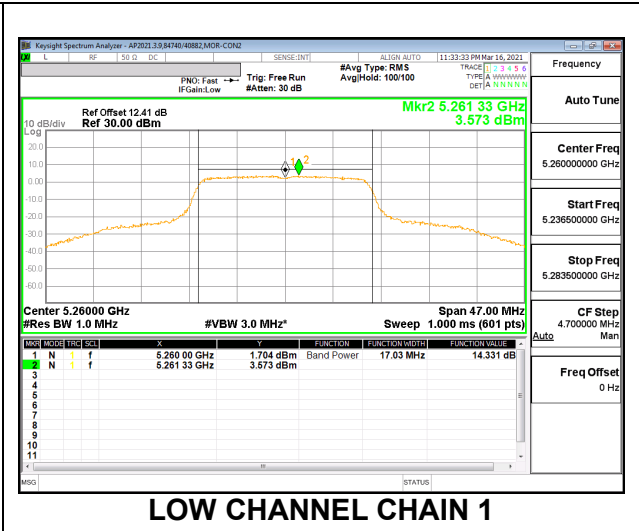
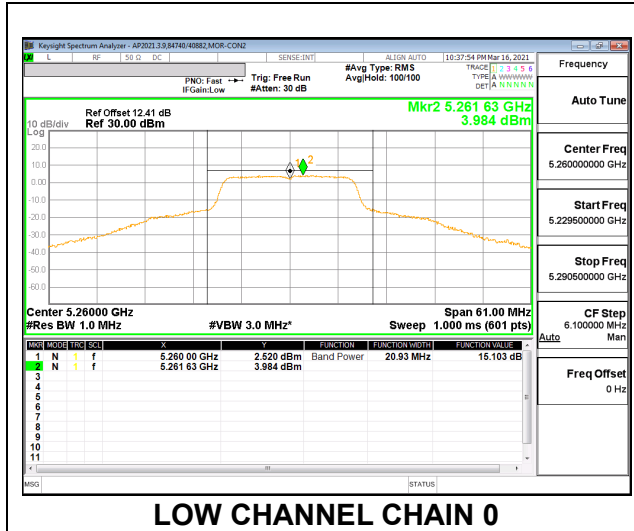
Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5260	16.72	17.11	19.93	24.00	-4.07
Mid	5300	16.99	16.95	19.98	24.00	-4.02
High	5320	16.32	16.25	19.30	24.00	-4.70

#### PSD Results

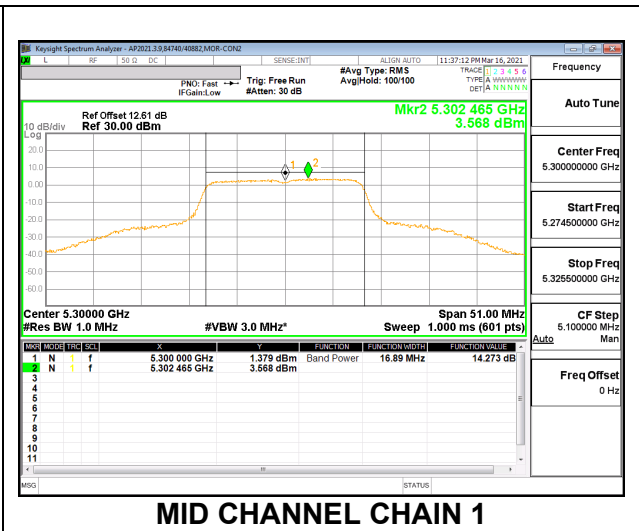
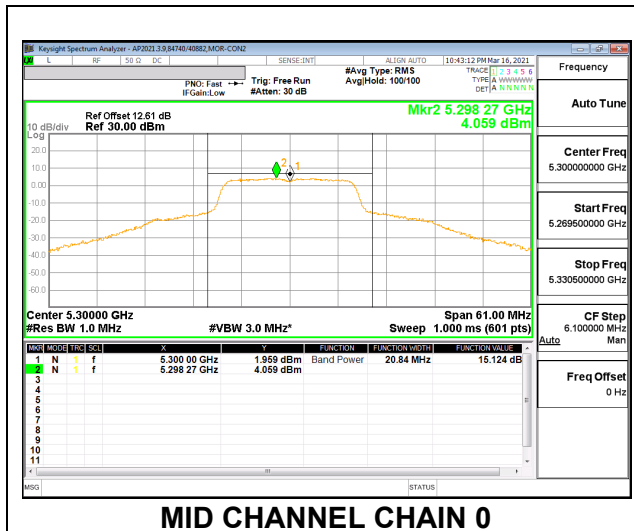
Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm/1MHz)	Chain 1 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5260	3.98	3.57	9.49	11.00	-1.51
Mid	5300	4.06	3.57	9.53	11.00	-1.47
High	5320	2.83	3.53	8.90	11.00	-2.10



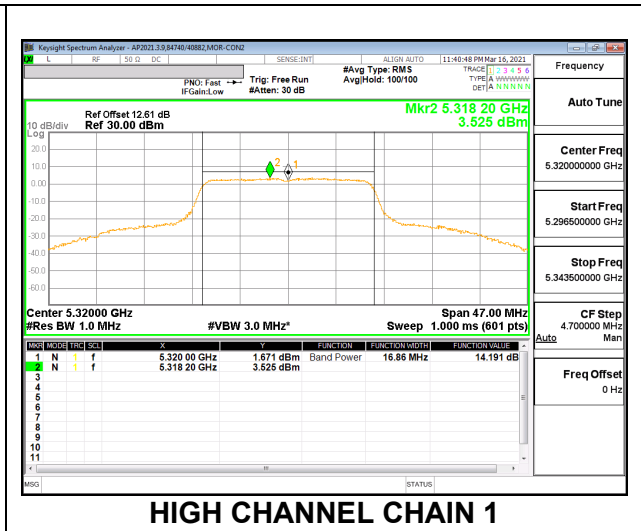
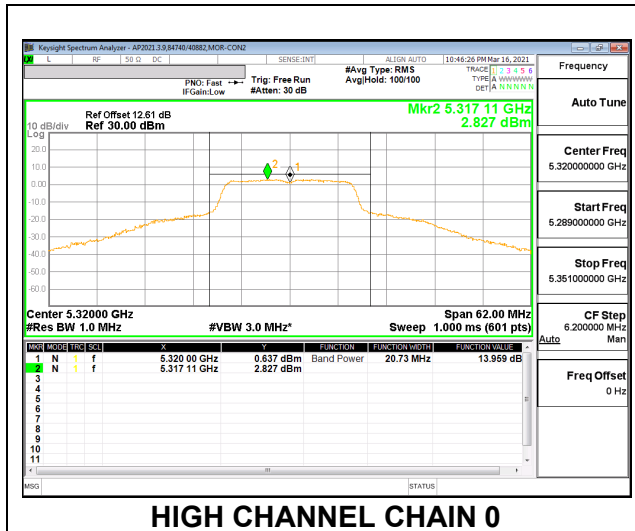
### LOW CHANNEL



### MID CHANNEL



### HIGH CHANNEL



**2TX Chain 0 + Chain 1 CDD MODE (IC)**

<b>Test Engineer:</b>	84740/40882
<b>Test Date:</b>	2021-03-16

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5260	17.0300	1.80	4.81	23.31	11.00
Mid	5300	16.8860	1.80	4.81	23.28	11.00
High	5320	16.8550	1.80	4.81	23.27	11.00

<b>Duty Cycle CF (dB)</b>	2.70	<b>Included in Calculations of Corr'd PSD</b>
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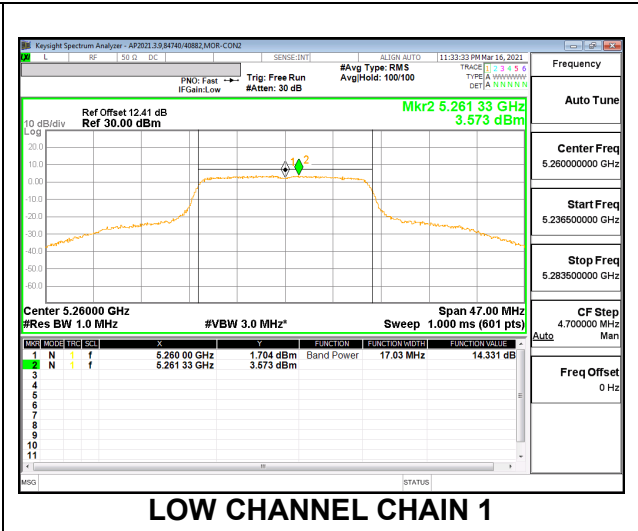
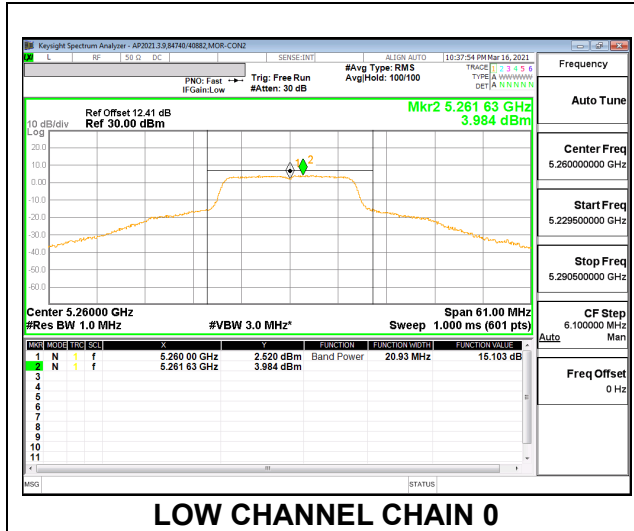
**Output Power Results**

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5260	16.72	17.11	19.93	23.31	-3.38
Mid	5300	16.99	16.95	19.98	23.28	-3.29
High	5320	16.32	16.25	19.30	23.27	-3.97

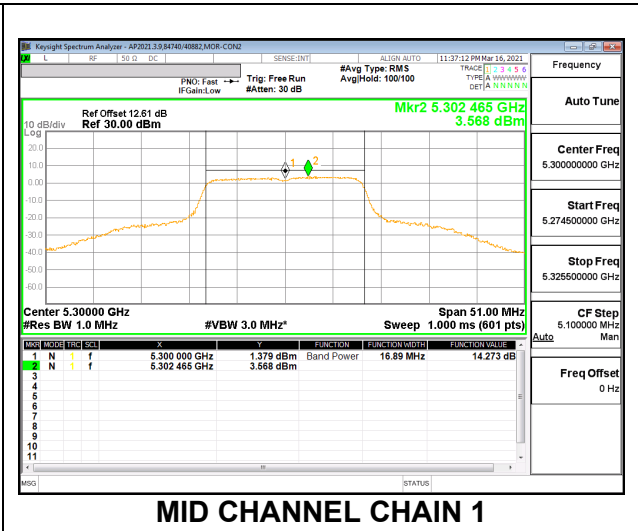
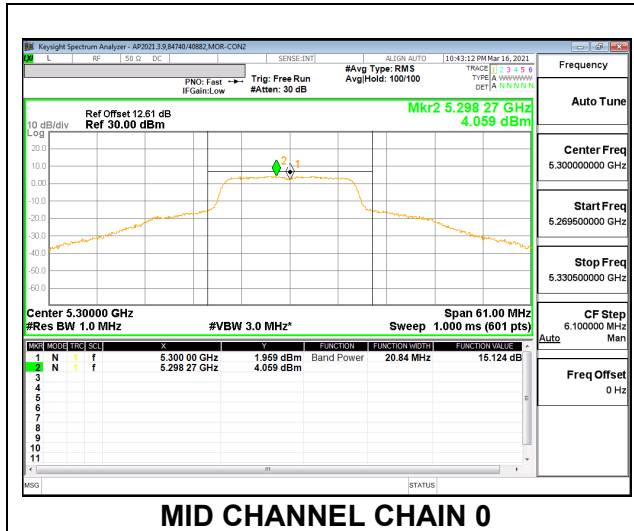
**PSD Results**

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	3.98	3.57	9.49	11.00	-1.51
Mid	5300	4.06	3.57	9.53	11.00	-1.47
High	5320	2.83	3.53	8.90	11.00	-2.10

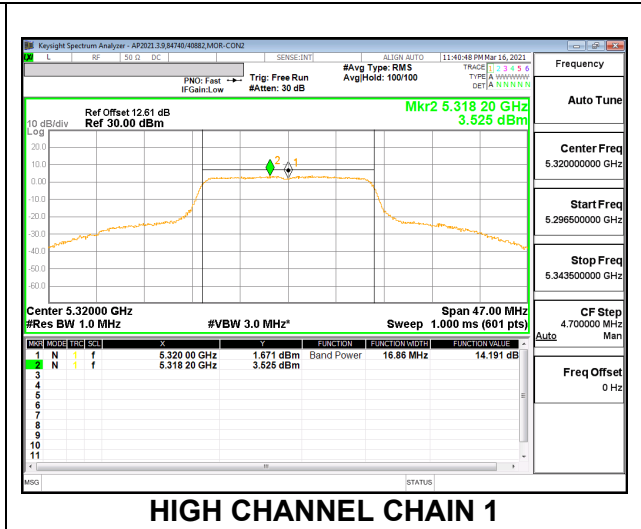
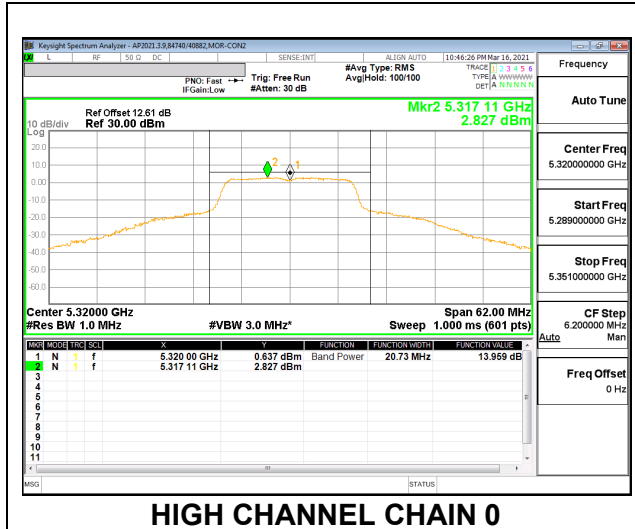
### LOW CHANNEL



### MID CHANNEL



### HIGH CHANNEL



### 9.5.4. 802.11n HT20 MODE IN THE 5.3 GHz BAND

#### 2TX Chain 0 + Chain 1 CDD MODE (FCC)

Test Engineer:	84740/40882
Test Date:	2021-03-16

#### 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	37.10	1.80	4.81	24.00	11.00
Mid	5300	37.45	1.80	4.81	24.00	11.00
High	5320	20.40	1.80	4.81	24.00	11.00

Duty Cycle CF (dB)	2.15	Included in Calculations of Corr'd PSD
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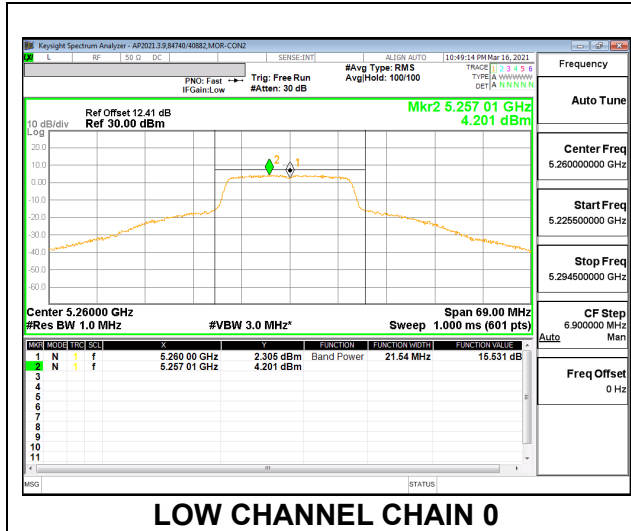
#### Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5260	16.63	17.24	19.96	24.00	-4.04
Mid	5300	17.09	16.81	19.96	24.00	-4.04
High	5320	14.60	15.59	18.13	24.00	-5.87

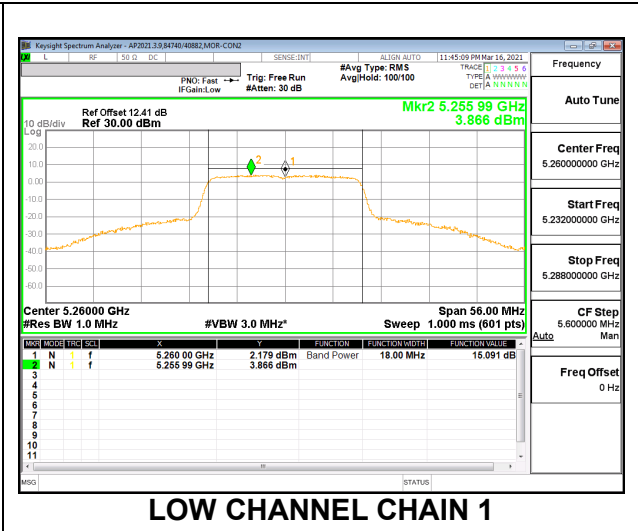
#### PSD Results

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	4.20	3.87	9.20	11.00	-1.80
Mid	5300	3.78	4.23	9.17	11.00	-1.83
High	5320	2.10	2.91	7.69	11.00	-3.31

### LOW CHANNEL

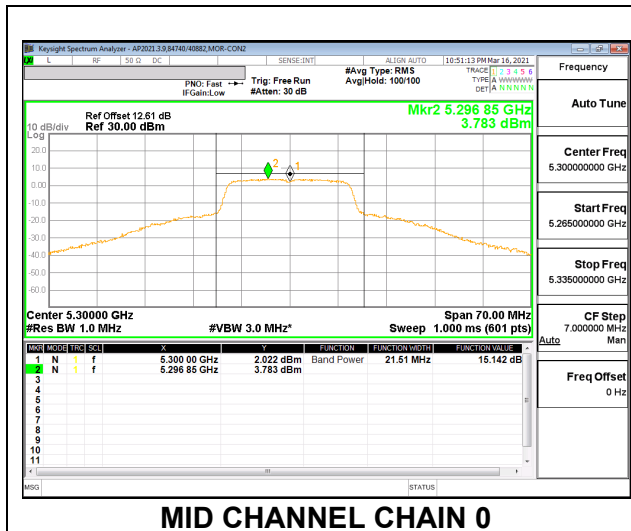


**LOW CHANNEL CHAIN 0**

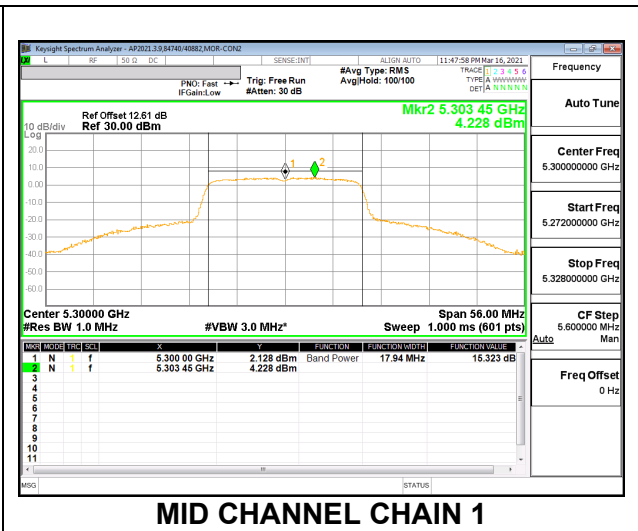


**LOW CHANNEL CHAIN 1**

### MID CHANNEL

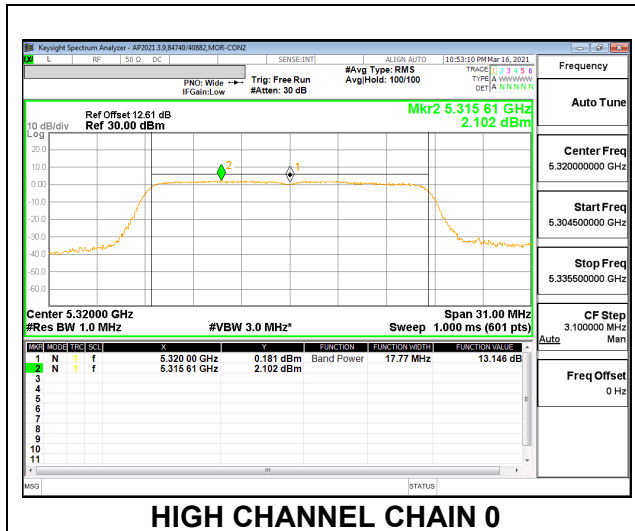


**MID CHANNEL CHAIN 0**

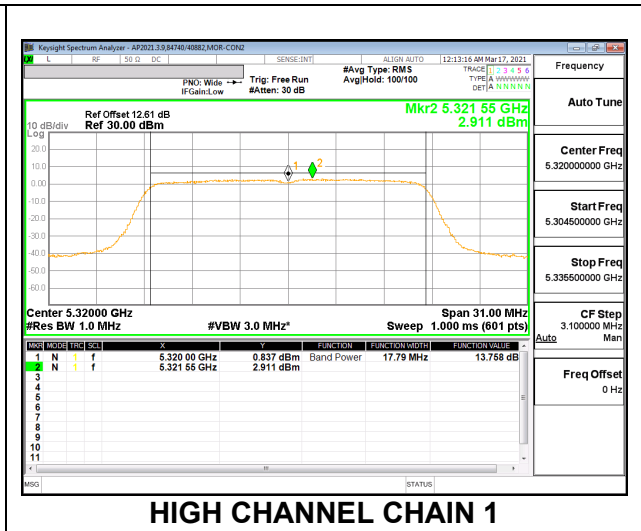


**MID CHANNEL CHAIN 1**

### HIGH CHANNEL



HIGH CHANNEL CHAIN 0



HIGH CHANNEL CHAIN 1



**2TX Chain 0 + Chain 1 CDD MODE (IC)**

<b>Test Engineer:</b>	84740/40882
<b>Test Date:</b>	2021-03-16

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5260	17.9980	1.80	4.81	23.55	11.00
Mid	5300	17.9410	1.80	4.81	23.54	11.00
High	5320	17.7720	1.80	4.81	23.50	11.00

<b>Duty Cycle CF (dB)</b>	2.15	<b>Included in Calculations of Corr'd PSD</b>
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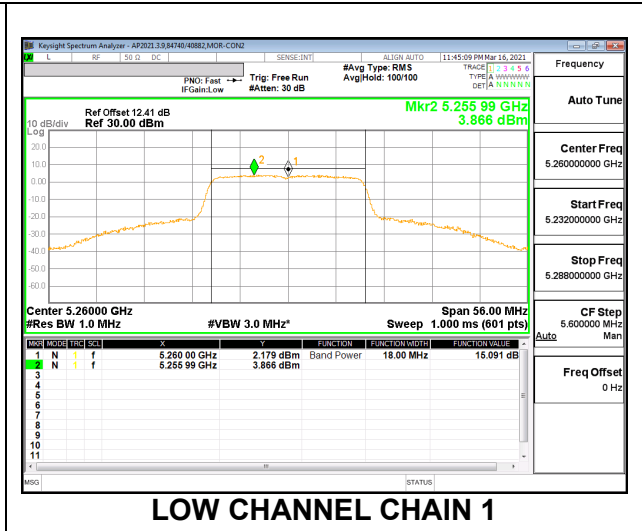
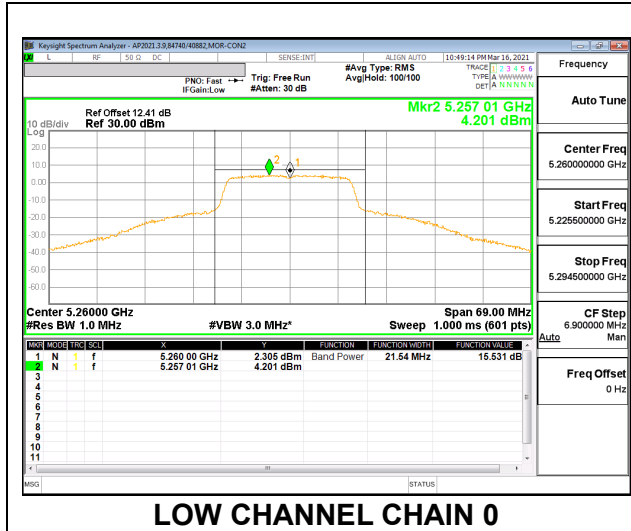
**Output Power Results**

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5260	16.63	17.24	19.96	23.55	-3.60
Mid	5300	17.09	16.81	19.96	23.54	-3.58
High	5320	14.60	15.59	18.13	23.50	-5.36

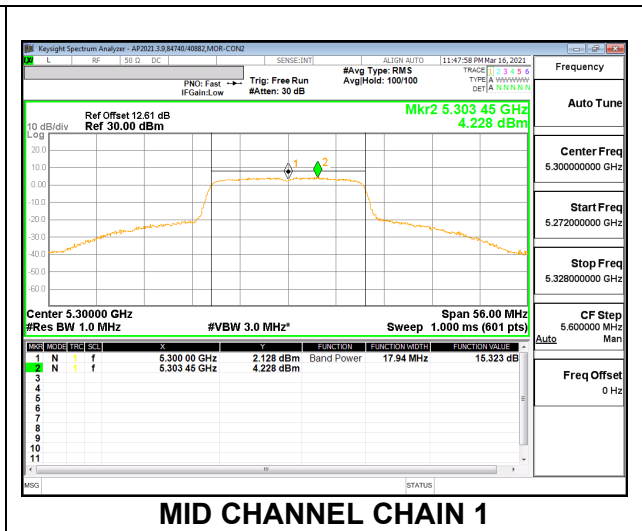
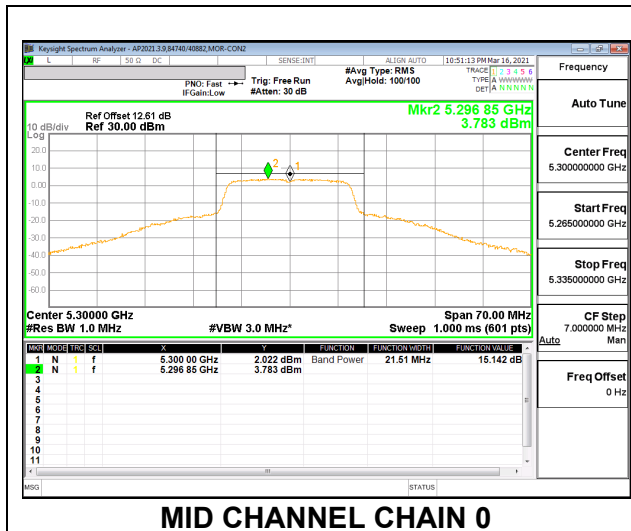
**PSD Results**

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	4.20	3.87	9.20	11.00	-1.80
Mid	5300	3.78	4.23	9.17	11.00	-1.83
High	5320	2.10	2.91	7.68	11.00	-3.32

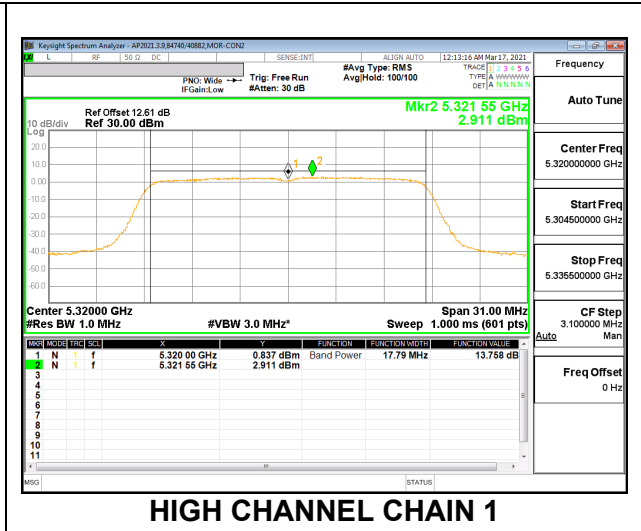
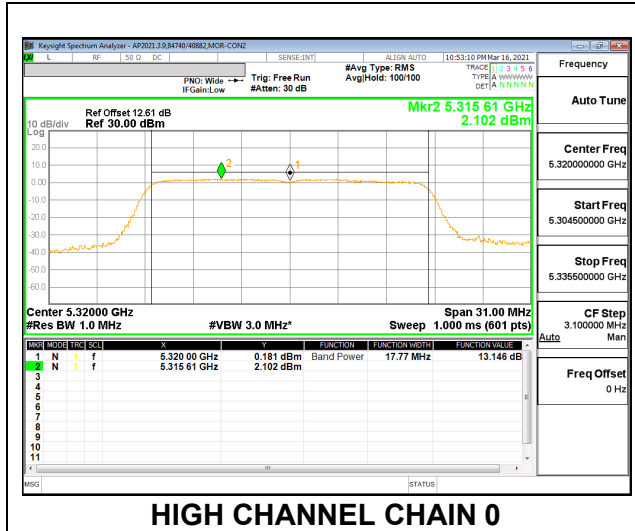
### LOW CHANNEL



### MID CHANNEL



### HIGH CHANNEL



### 9.5.5. 802.11a MODE IN THE 5.6 GHz BAND

#### 2TX Chain 0 + Chain 1 CDD MODE (FCC+IC)

Test Engineer:	84740/40882
Test Date:	2021-03-16

#### Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Direction Gain for PSD (dBi)
Low	5500	24.0000	16.8330	2.36	5.34
Mid	5580	27.7500	16.8346	2.36	5.34
High	5700	22.9500	16.7133	2.36	5.34

#### Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/1MHz)	ISED PSD Limit (dBm/1MHz)
Low	5500	24.00	23.26	29.26	23.26	11.00	11.00
Mid	5580	24.00	23.26	29.26	23.26	11.00	11.00
High	5700	24.00	23.23	29.23	23.23	11.00	11.00

Duty Cycle CF (dB)	2.70	Included in Calculations of Corr'd Power & PSD
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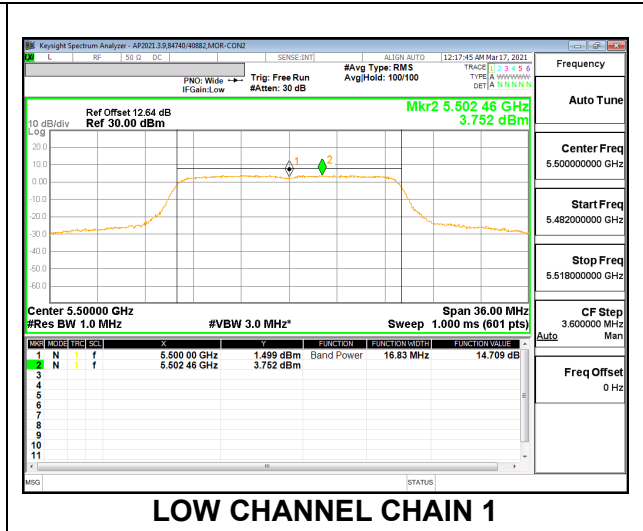
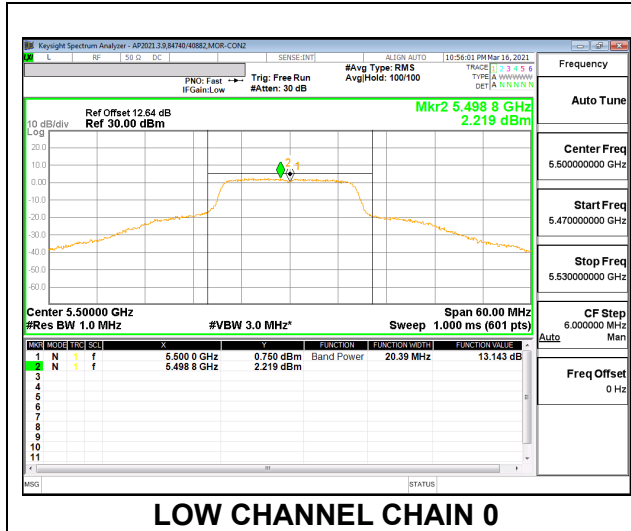
#### Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5500	15.12	16.14	18.67	23.26	-4.59
	5520	16.65	16.68	19.68	23.26	-3.59
Mid	5580	18.06	17.39	20.75	23.26	-2.51
	5680	16.92	16.95	19.95	23.26	-3.32
High	5700	15.72	15.73	18.74	23.23	-4.50

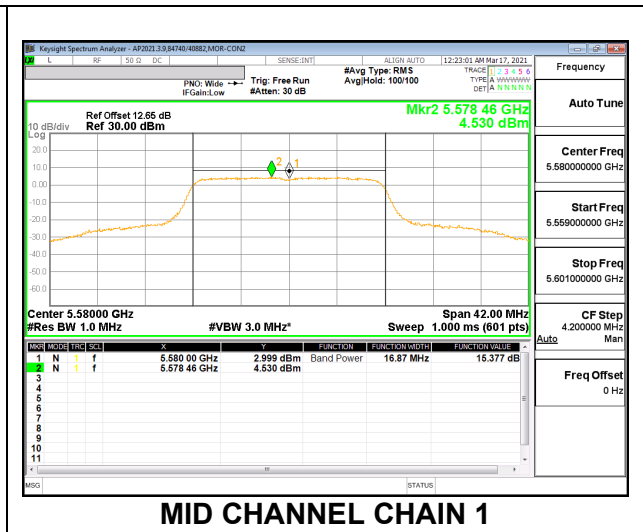
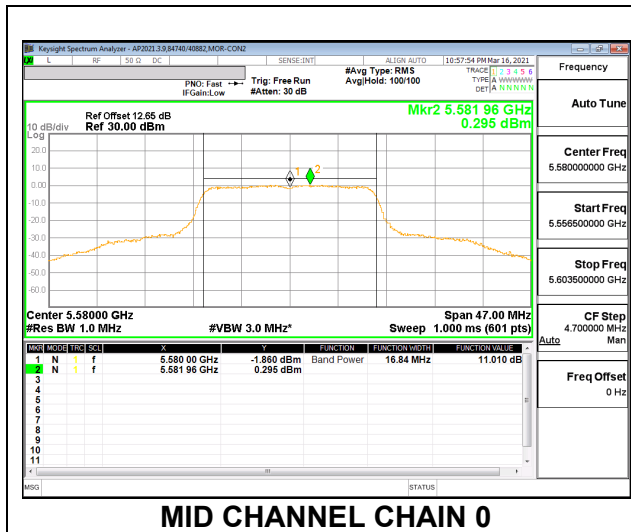
#### PSD Results

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	2.219	3.752	8.763	11.00	-2.24
	5580	0.295	4.530	8.620	11.00	-2.38
High	5700	2.798	3.982	9.141	11.00	-1.86

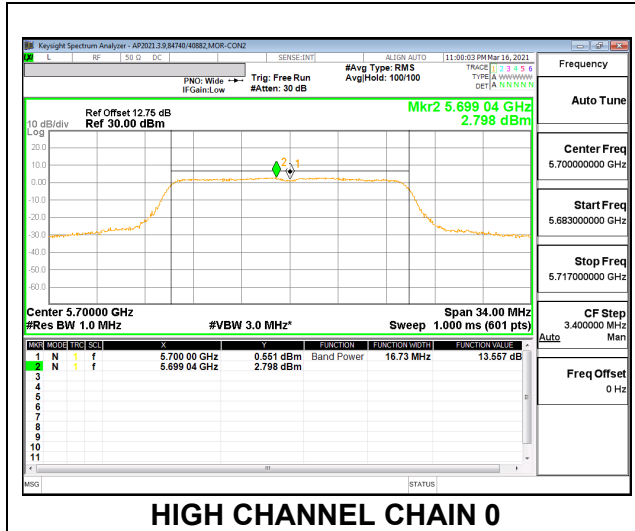
### LOW CHANNEL



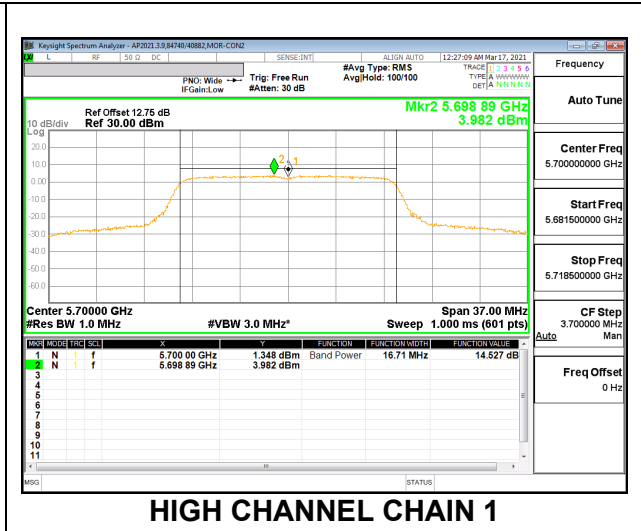
### MID CHANNEL



### HIGH CHANNEL



HIGH CHANNEL CHAIN 0



HIGH CHANNEL CHAIN 1

### 9.5.6. 802.11n HT20 MODE IN THE 5.6 GHz BAND

#### 2TX Chain 0 + Chain 1 CDD MODE (FCC+IC)

Test Engineer:	84740/40882
Test Date:	2021-03-16

#### Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Low	5500	32.0500	17.8364	2.36	5.34
Mid	5580	31.3500	17.8993	2.36	5.34
High	5700	25.3500	17.7850	2.36	5.34

#### Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/1MHz)	ISED PSD Limit (dBm/1MHz)	PSD Limit (dBm/1MHz)
Low	5500	24.00	23.51	29.51	23.51	11.00	11.00	11.00
Mid	5580	24.00	23.53	29.53	23.53	11.00	11.00	11.00
High	5700	24.00	23.50	29.50	23.50	11.00	11.00	11.00

Duty Cycle CF (dB)	2.15	Included in Calculations of Corr'd Power & PSD
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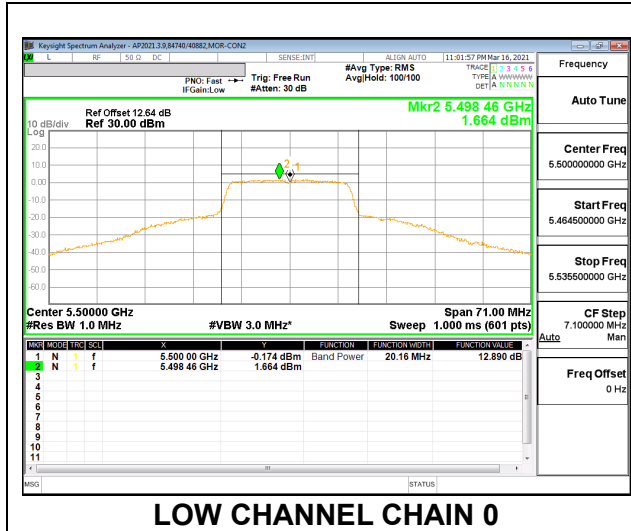
#### Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5500	15.10	16.26	18.73	23.51	-4.78
	5520	16.82	16.76	19.80	23.53	-3.73
Mid	5580	17.94	17.51	20.74	23.53	-2.79
	5680	16.99	17.07	20.04	23.53	-3.49
High	5700	15.91	15.88	18.91	23.50	-4.60

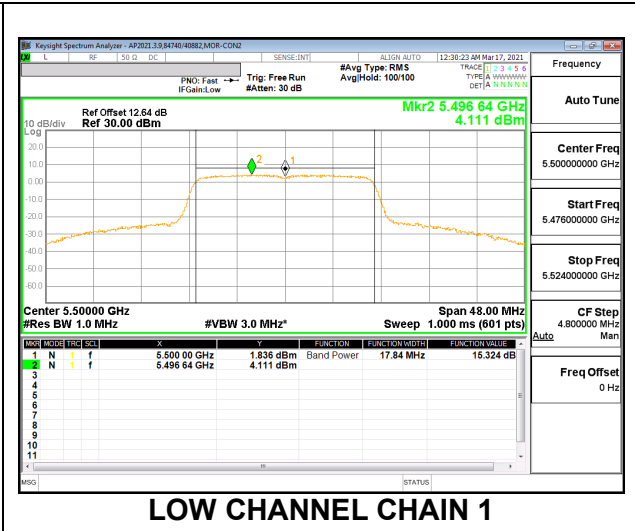
#### PSD Results

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	1.664	4.111	8.218	11.00	-2.78
	5580	0.396	4.378	7.989	11.00	-3.01
High	5700	3.096	3.703	8.570	11.00	-2.43

### LOW CHANNEL

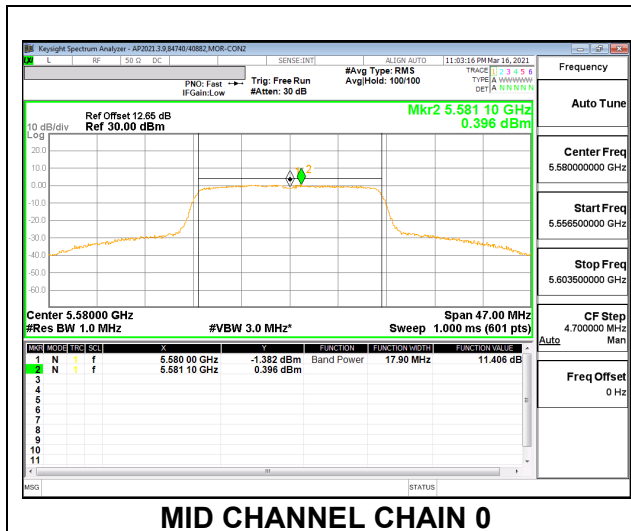


LOW CHANNEL CHAIN 0

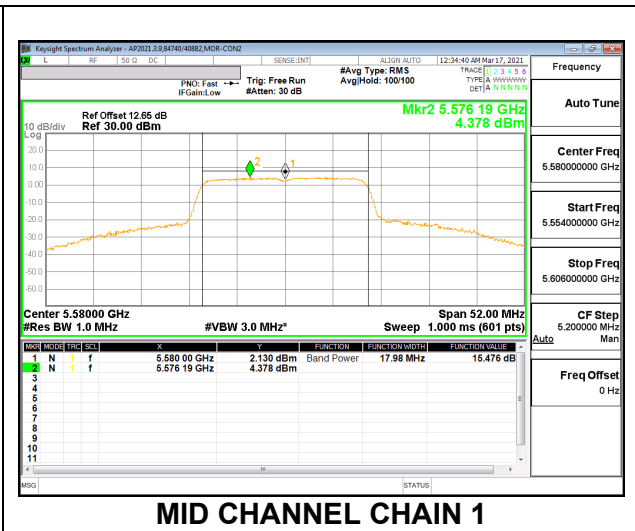


LOW CHANNEL CHAIN 1

### MID CHANNEL



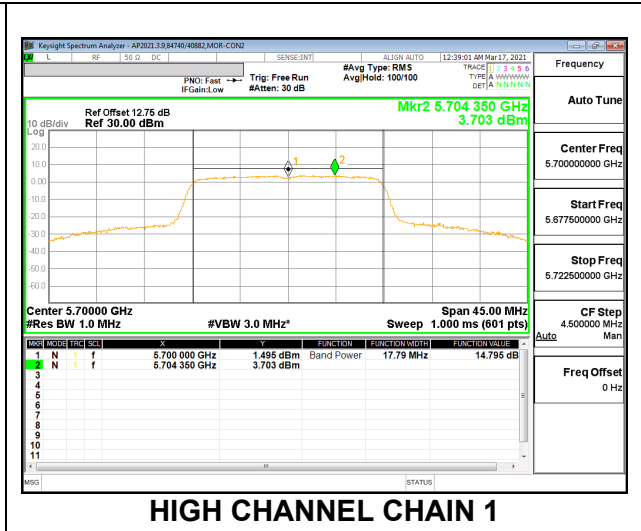
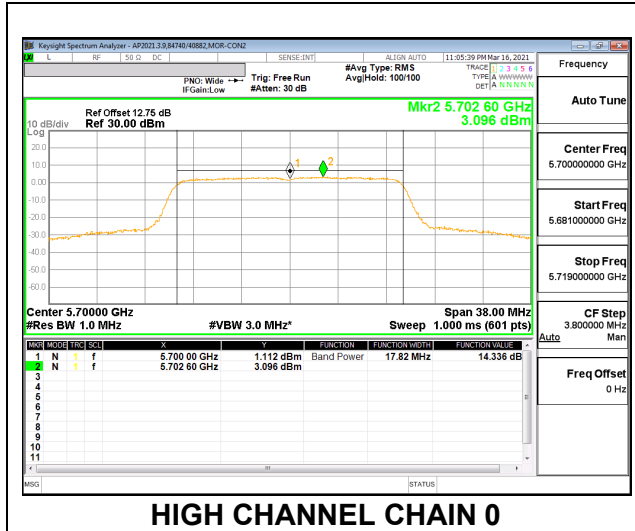
MID CHANNEL CHAIN 0



MID CHANNEL CHAIN 1



### HIGH CHANNEL



### 9.5.7. 802.11a MODE IN THE 5.8 GHz BAND

#### 2TX Chain 0 + Chain 1 CDD MODE (FCC+IC)

<b>Test Engineer:</b>	84740/40882
<b>Test Date:</b>	2021-03-17

#### 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	1.30	4.28	30.00	30.00
Mid	5785	1.30	4.28	30.00	30.00
High	5825	1.30	4.28	30.00	30.00

<b>Duty Cycle CF (dB)</b>	2.70	<b>Included in Calculations of Corr'd Power &amp; PSD</b>
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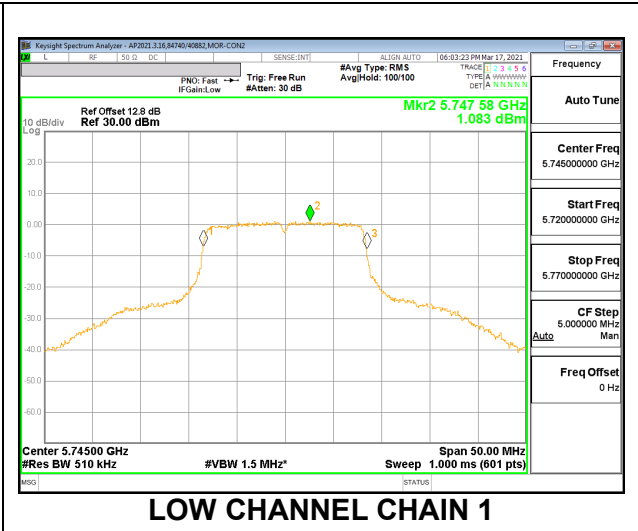
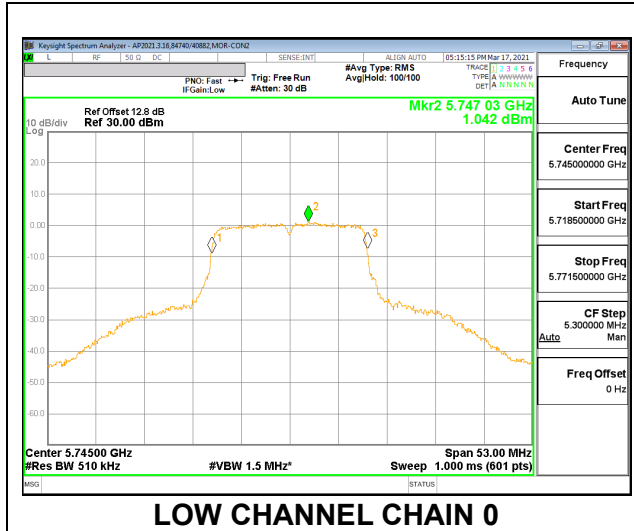
#### Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	17.22	17.14	20.19	30.00	-9.81
Mid	5785	17.35	16.88	20.13	30.00	-9.87
High	5825	17.16	16.97	20.08	30.00	-9.92

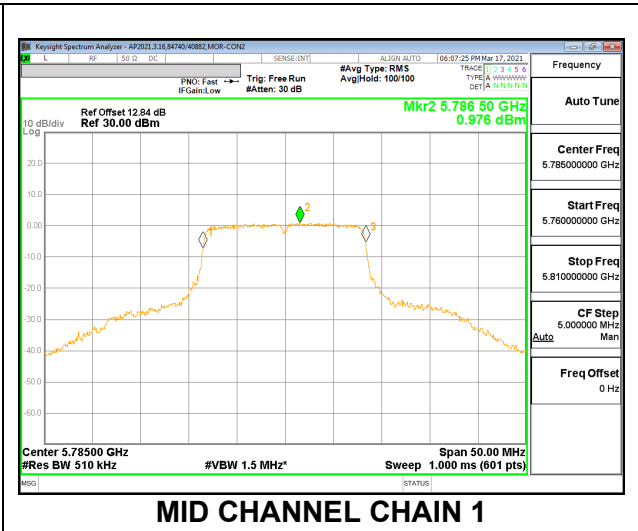
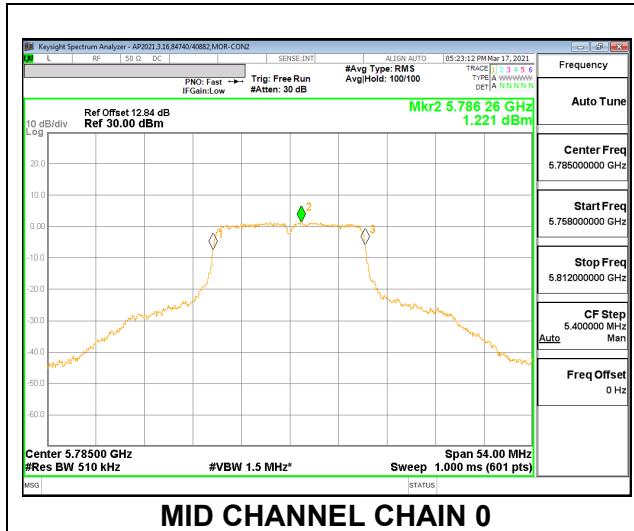
#### PSD Results

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	1.042	1.083	6.773	30.00	-23.23
Mid	5785	1.221	0.976	6.811	30.00	-23.19
High	5825	1.729	0.996	7.088	30.00	-22.91

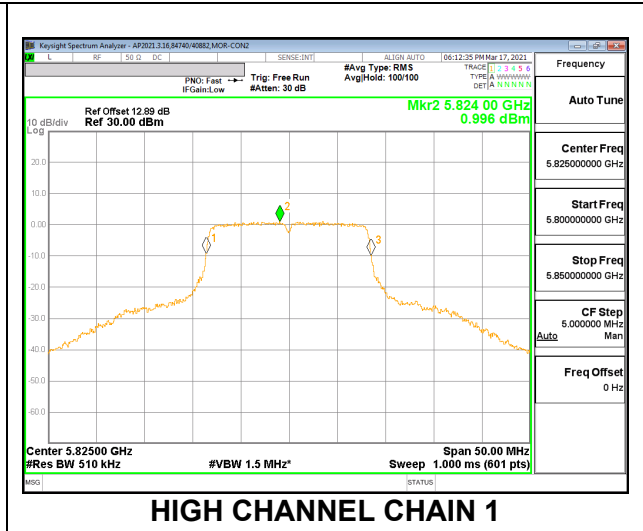
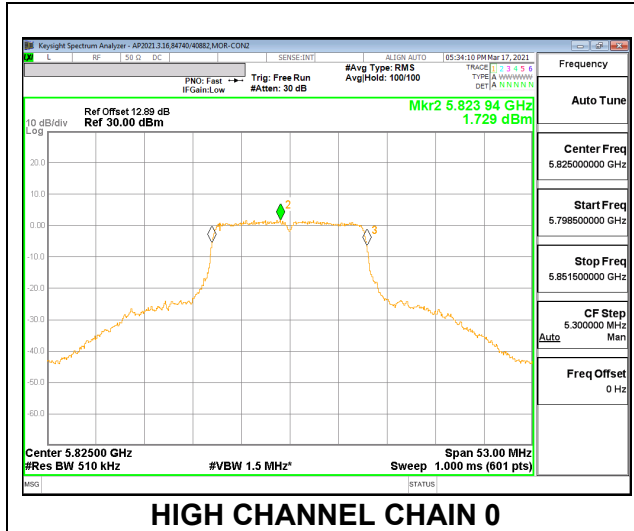
### LOW CHANNEL



### MID CHANNEL



### HIGH CHANNEL



### 9.5.8. 802.11n HT20 MODE IN THE 5.8 GHz BAND

#### 2TX Chain 0 + Chain 1 CDD MODE (FCC+IC)

<b>Test Engineer:</b>	84740/40882
<b>Test Date:</b>	2021-03-17

#### 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	1.30	4.28	30.00	30.00
Mid	5785	1.30	4.28	30.00	30.00
High	5825	1.30	4.28	30.00	30.00

<b>Duty Cycle CF (dB)</b>	2.15	<b>Included in Calculations of Corr'd Power &amp; PSD</b>
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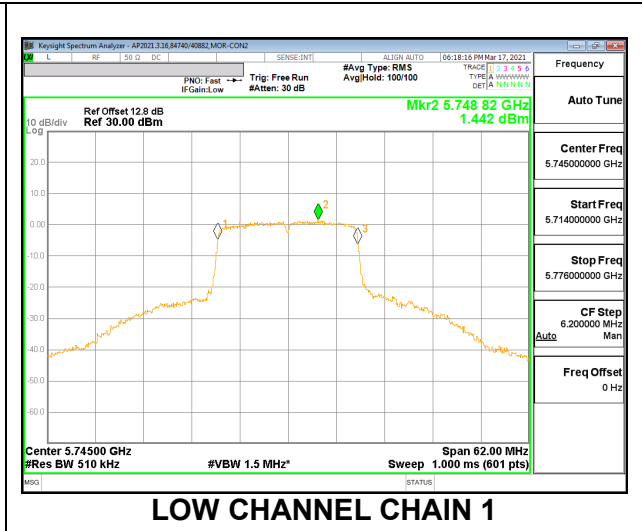
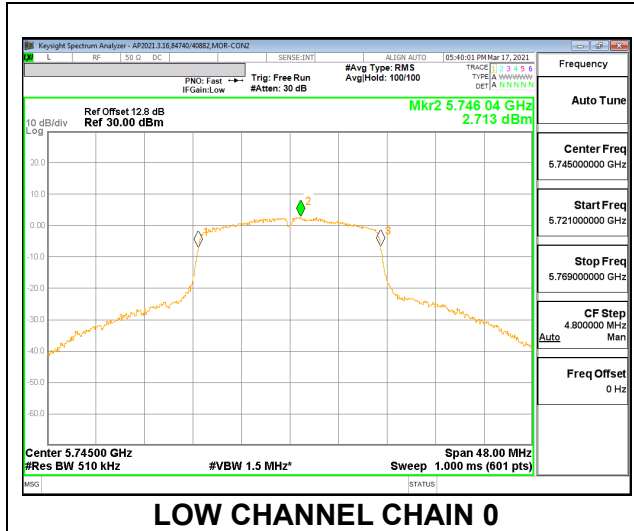
#### Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	17.18	17.07	20.14	30.00	-9.86
Mid	5785	17.33	17.32	20.34	30.00	-9.66
High	5825	17.04	17.12	20.09	30.00	-9.91

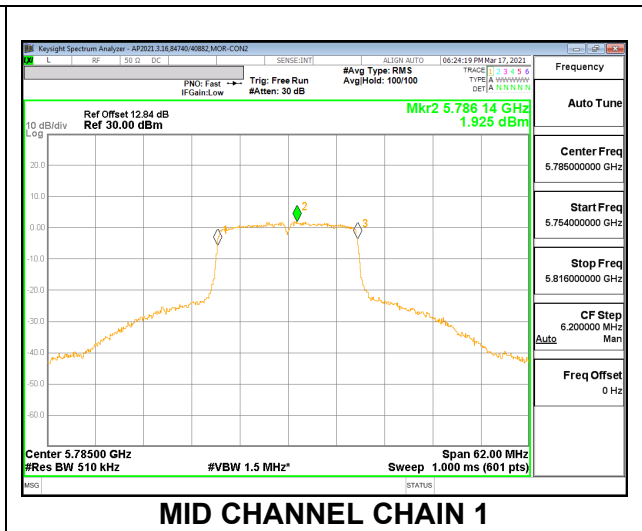
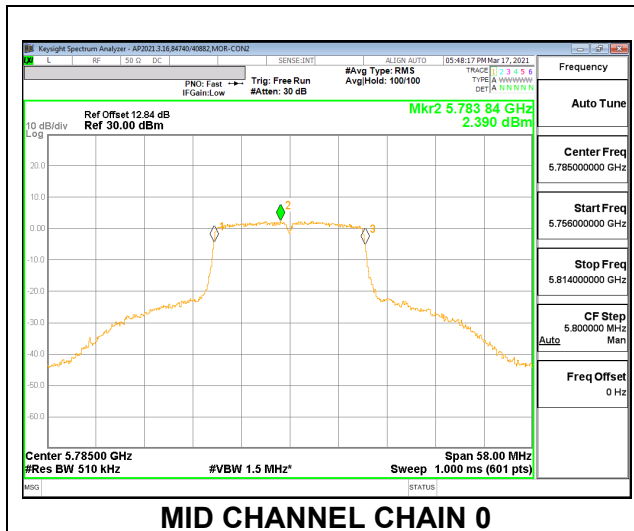
#### PSD Results

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	2.713	1.442	7.284	30.00	-22.72
Mid	5785	2.390	1.925	7.324	30.00	-22.68
High	5825	1.522	1.564	6.703	30.00	-23.30

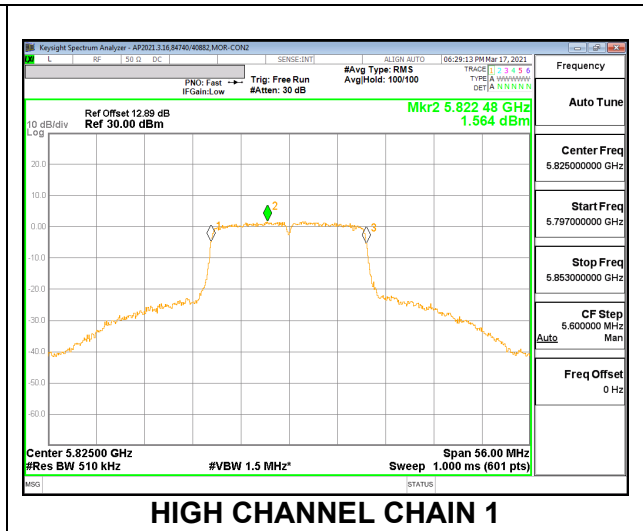
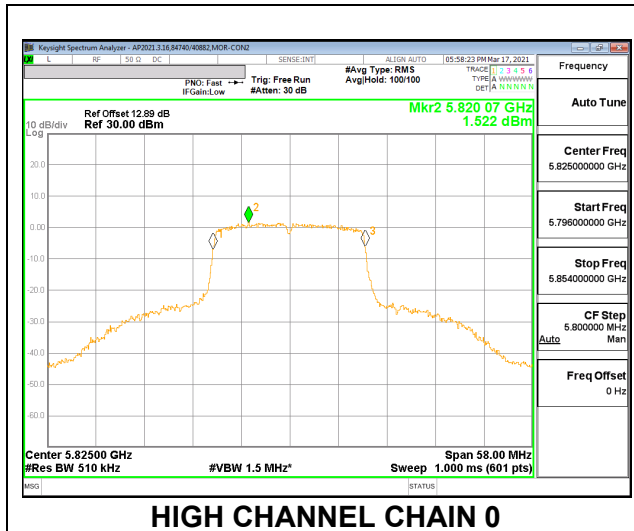
### LOW CHANNEL



### MID CHANNEL



### HIGH CHANNEL



## 10. RADIATED TEST RESULTS

### LIMITS

FCC §15.205 and §15.209

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

RSS-GEN, Section 8.9 and 8.10.

Frequency Range (MHz)	Field Strength Limit (uA/m) at 3 m	Field Strength Limit (dBuA/m) at 3 m
0.009-0.490	6.37/F (F in kHz) @ 300 m	-
0.490-1.705	63.7/F (F in kHz) @ 30 m	-
1.705 - 30	0.08 @ 30m	-

Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

### TEST PROCEDURE

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

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

For pre-scans above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 30 kHz or 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 and average measurements. The average detection type used was voltage averaging.

The spectrum from 30 MHz to 1GHz and 18GHz to 40 GHz is investigated with the transmitter set to transmit at the channel with highest output power as worst-case scenario. 1GHz to 18GHz was set to the lowest, middle, and highest channels in the 5 GHz bands.

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

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

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

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

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

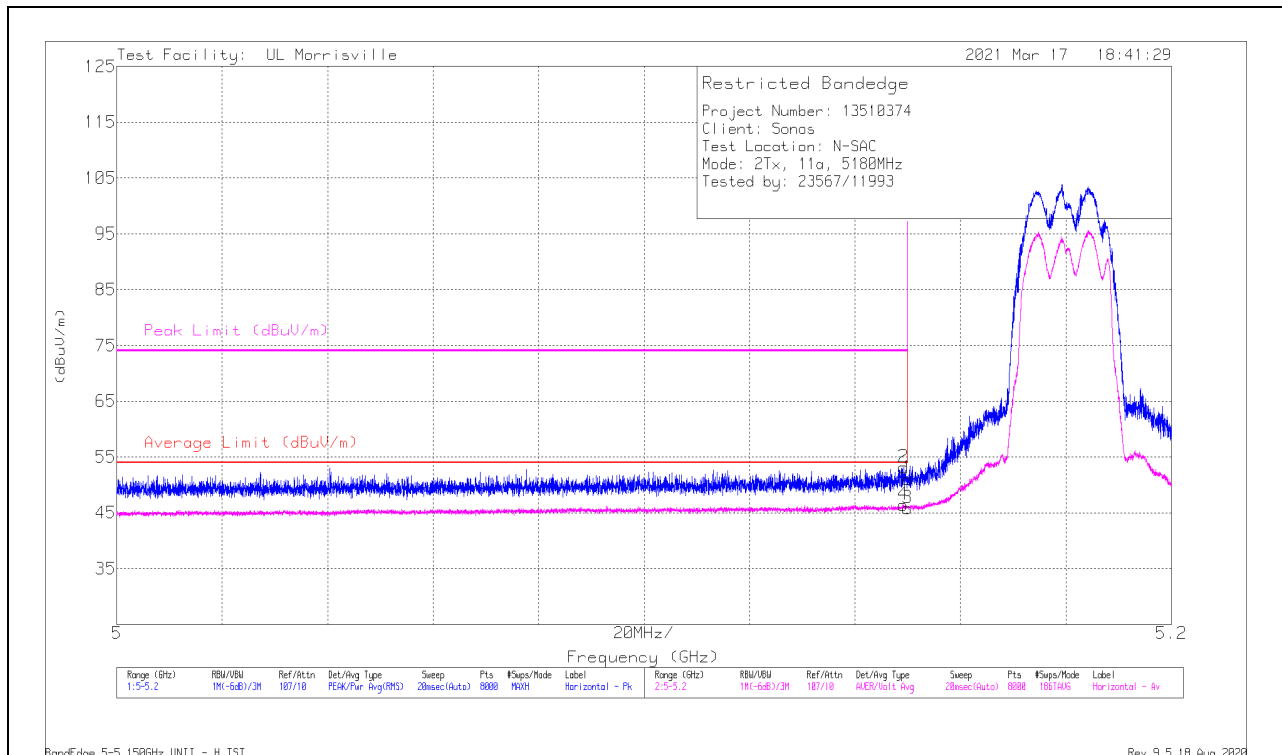
## 10.1. TRANSMITTER ABOVE 1 GHz

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

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

#### BANDEDGE (LOW CHANNEL)

#### HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Filtr/Pad (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	39.7	Pk	34.2	-22.8	0	51.1	-	-	74	-22.9	337	175	H
2	*** 5.14919	41.79	Pk	34.2	-22.8	0	53.19	-	-	74	-20.81	337	175	H
3	*** 5.14999	29.03	ADV	34.2	-22.8	5.41	45.84	54	-8.16	-	-	337	175	H
4	*** 5.14917	29.61	ADV	34.2	-22.8	5.41	46.42	54	-7.58	-	-	337	175	H

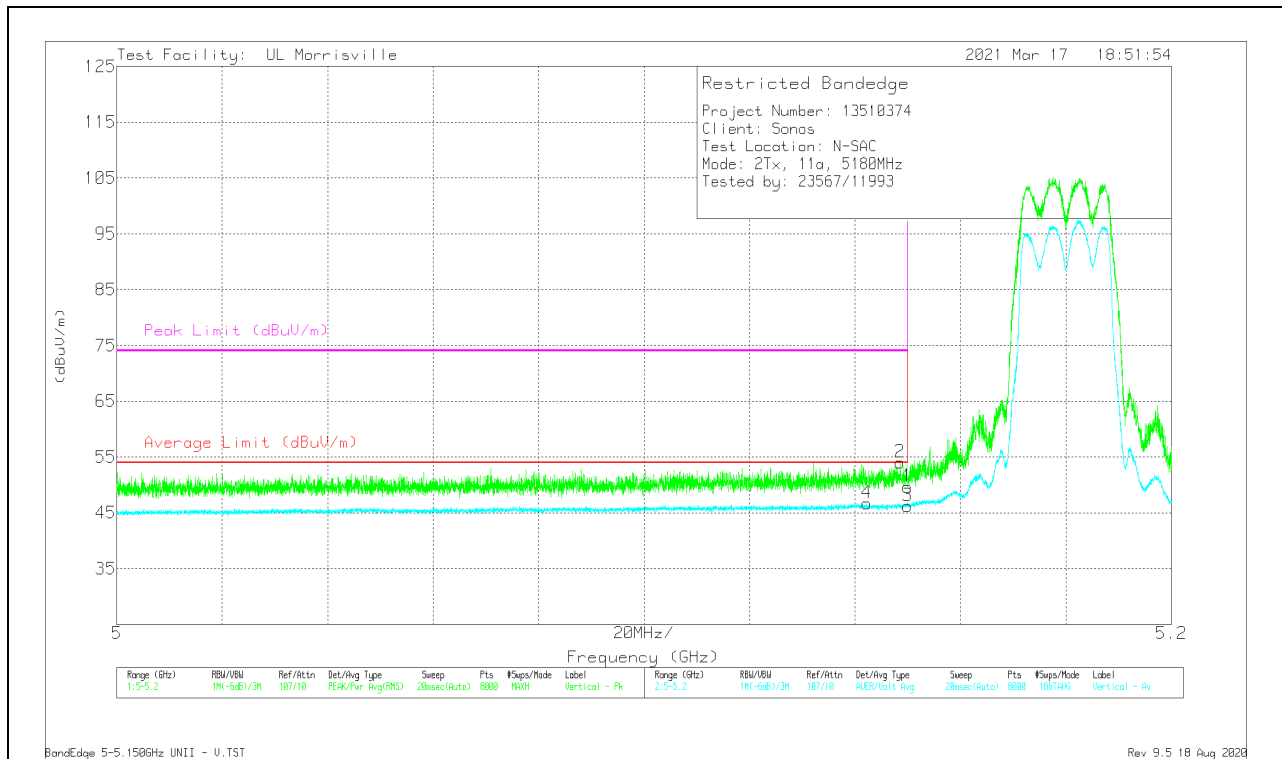
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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

Pk - Peak detector

ADV - Linear Voltage Average

### VERTICAL RESULT

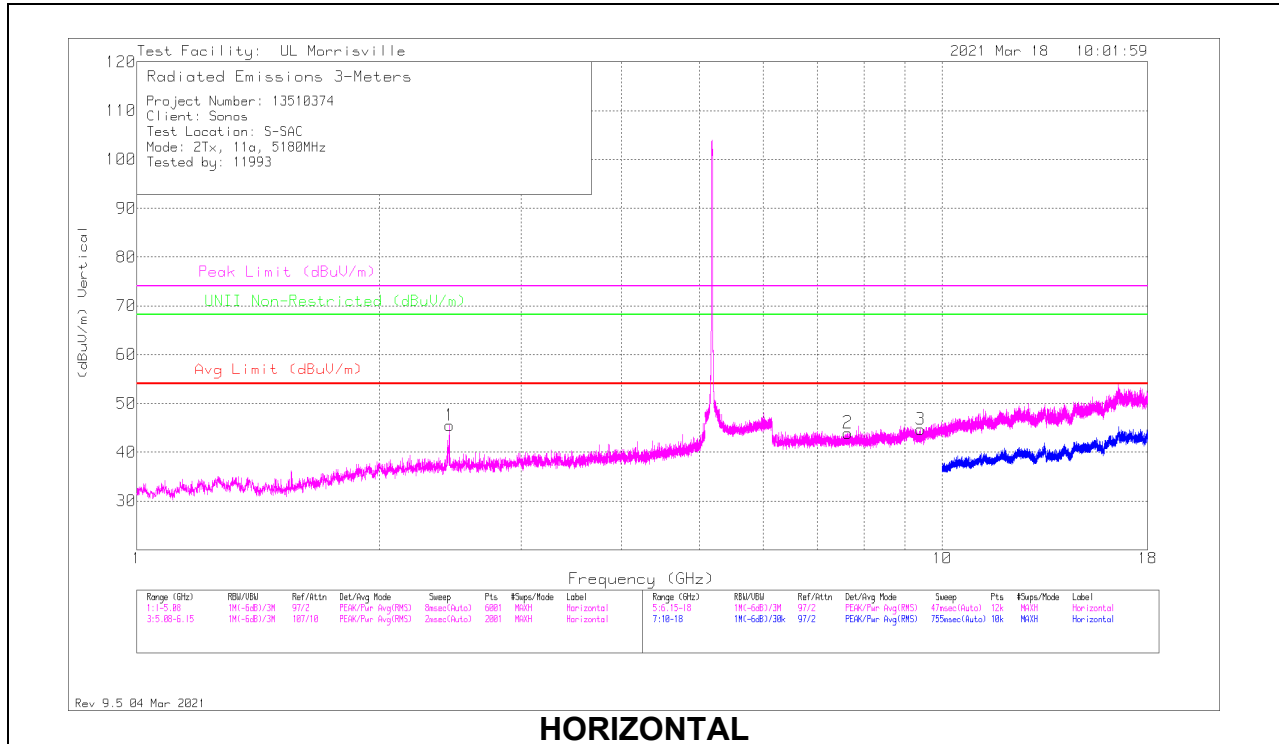


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 5.14999	38.31	Pk	34.2	-22.8	0	49.71	-	-	74	-24.29	115	187	V
2	*** 5.14857	42.58	Pk	34.2	-22.8	0	53.98	-	-	74	-20.02	115	187	V
3	** 5.14999	29.43	ADV	34.2	-22.8	5.41	46.24	54	-7.76	-	-	115	187	V
4	** 5.14229	29.72	ADV	34.3	-22.7	5.41	46.73	54	-7.27	-	-	115	187	V

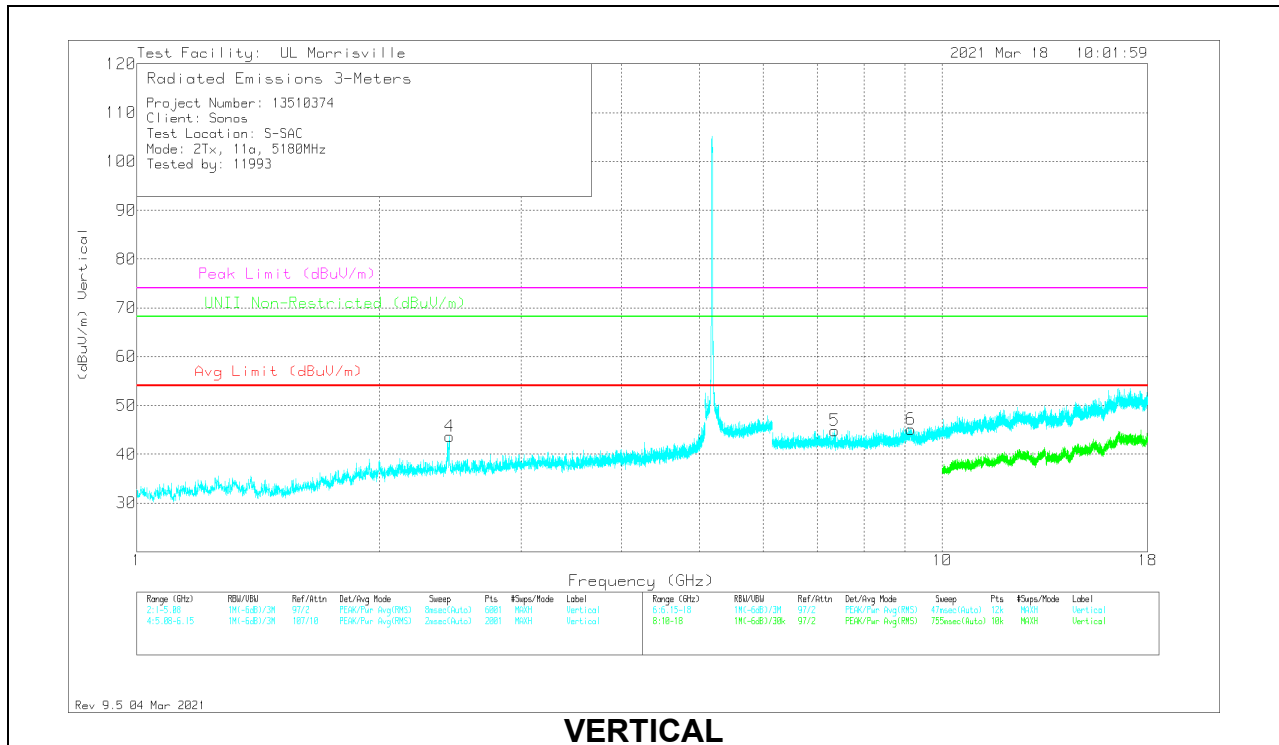
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 \*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band  
 Pk - Peak detector  
 ADV - Linear Voltage Average

# HARMONICS AND SPURIOUS EMISSIONS

## LOW CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

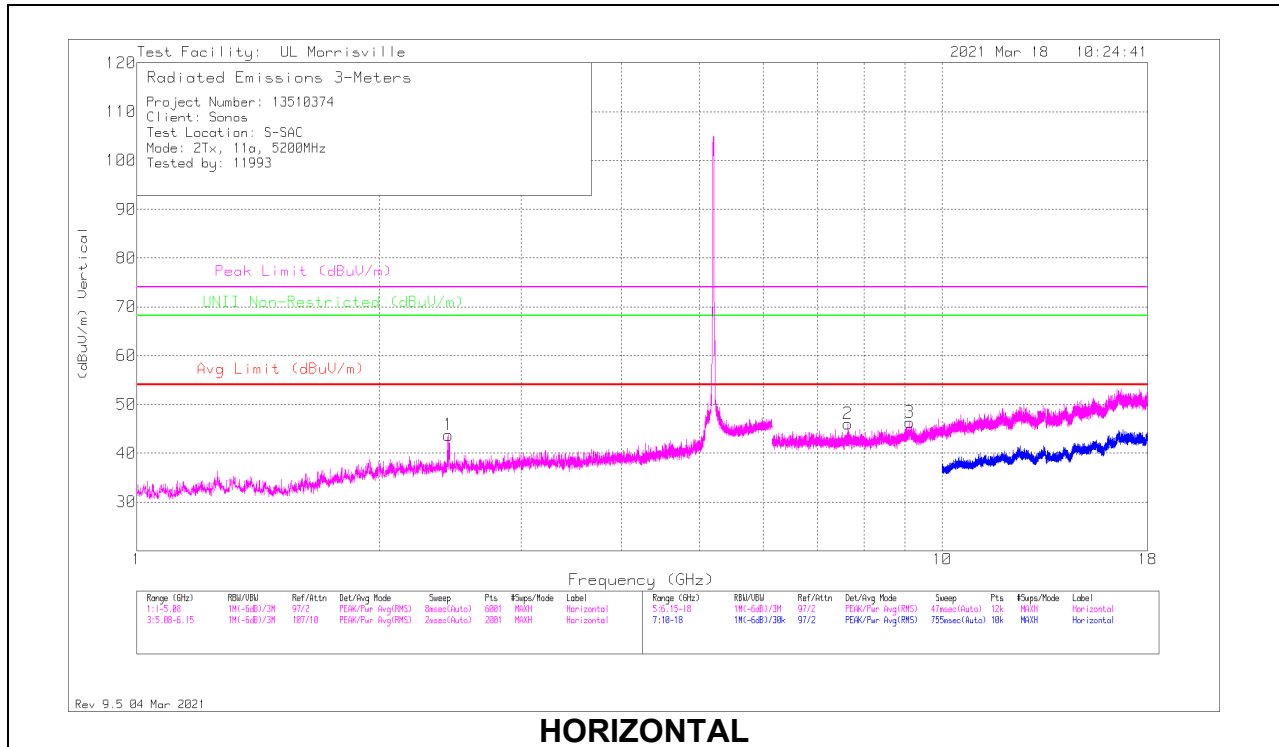
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 (dB/m)	Amp/Cbl/fltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* ** 7.64508	36.16	Pk	35.7	-27.9	43.96	54	-10.04	74	-30.04	-	-	0-360	101	H
3	* ** 9.39591	34.94	Pk	36.4	-26.7	44.64	54	-9.36	74	-29.36	-	-	0-360	199	H
5	* ** 7.3587	37.5	Pk	35.6	-28.3	44.8	54	-9.2	74	-29.2	-	-	0-360	101	V
6	* ** 9.15496	35.53	Pk	36.3	-26.7	45.13	54	-8.87	74	-28.87	-	-	0-360	101	V
1	2.445	47.06	Pk	32.5	-34.1	45.46	-	-	-	-	68.2	-22.74	0-360	199	H
4	2.445	45.25	Pk	32.5	-34.1	43.65	-	-	-	-	68.2	-24.55	0-360	199	V

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

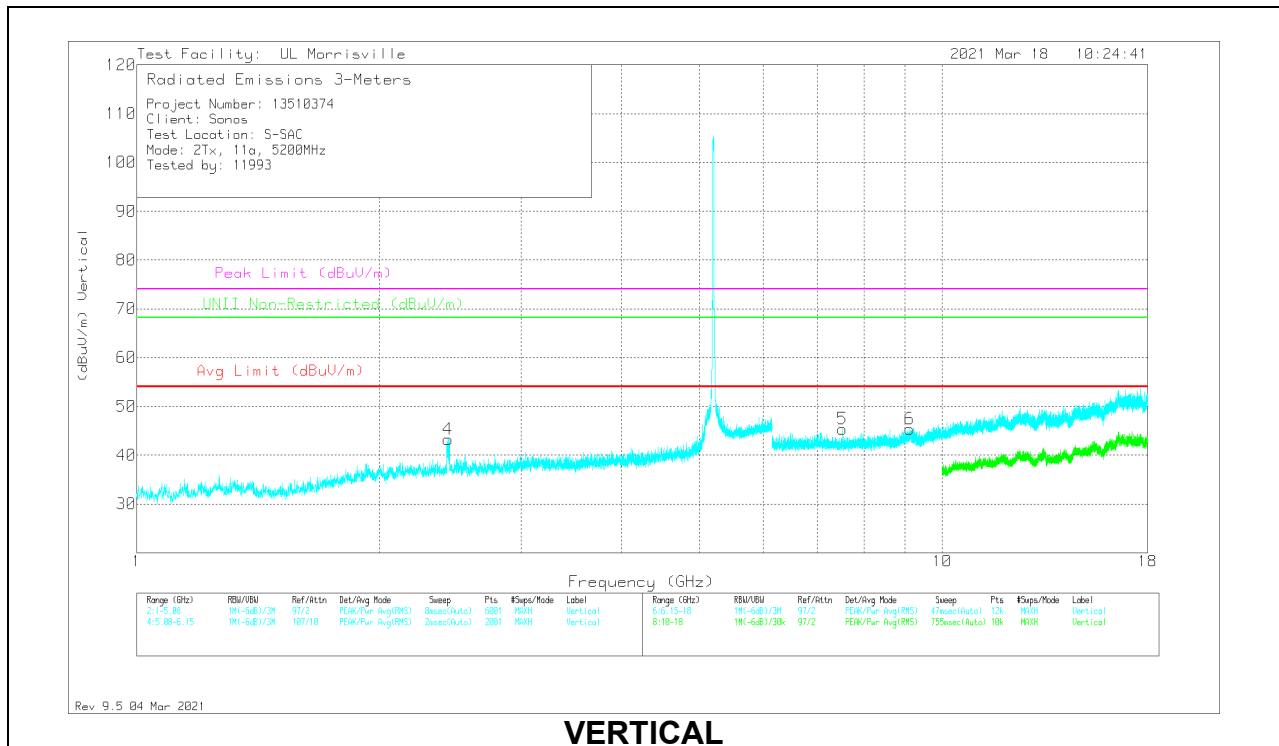
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

### MID CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

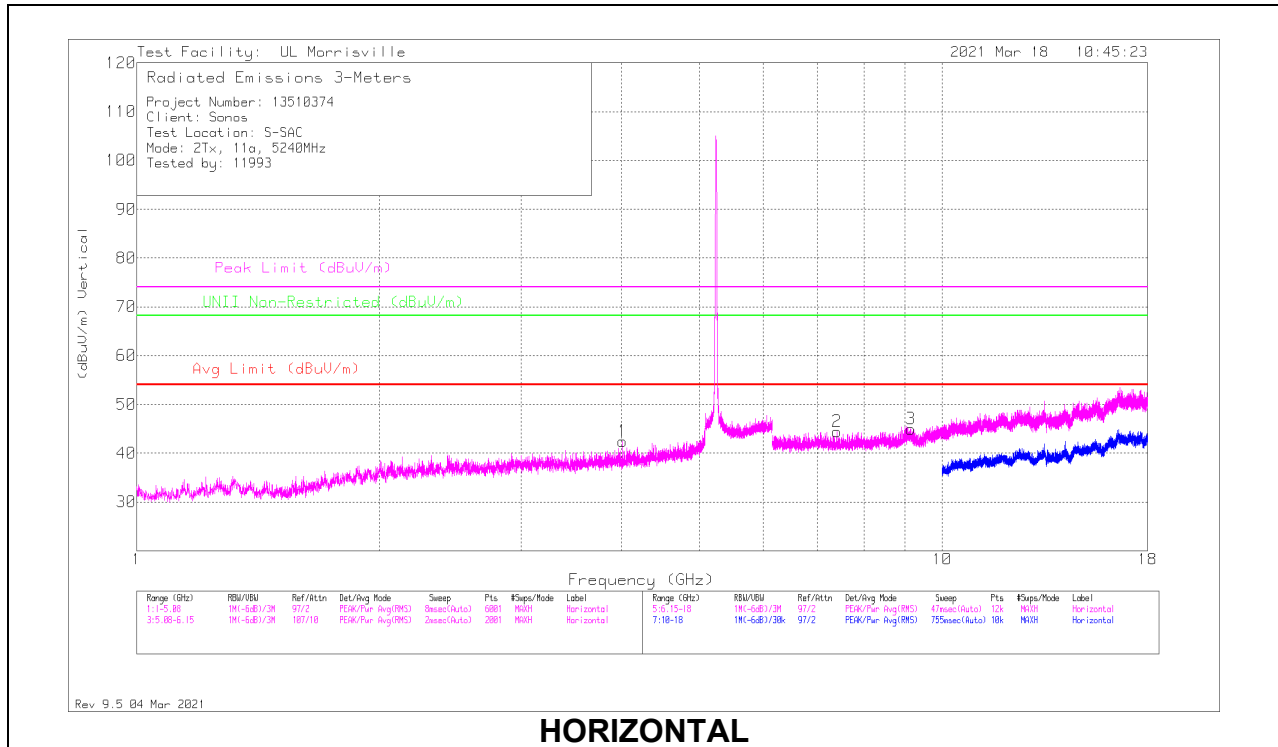
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 (dB/m)	Amp/Cbl/fltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* ** 7.64409	38.17	Pk	35.7	-27.9	45.97	54	-8.03	74	-28.03	-	-	0-360	101	H
3	* ** 9.12139	36.6	Pk	36.3	-26.6	46.3	54	-7.7	74	-27.7	-	-	0-360	101	H
5	* ** 7.52361	37.26	Pk	35.6	-27.5	45.36	54	-8.64	74	-28.64	-	-	0-360	101	V
6	* ** 9.11053	35.87	Pk	36.3	-26.8	45.37	54	-8.63	74	-28.63	-	-	0-360	200	V
4	2.43582	44.99	Pk	32.4	-34.1	43.29	-	-	-	-	68.2	-24.91	0-360	101	V
1	2.43888	45.4	Pk	32.4	-34.1	43.7	-	-	-	-	68.2	-24.5	0-360	200	H

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

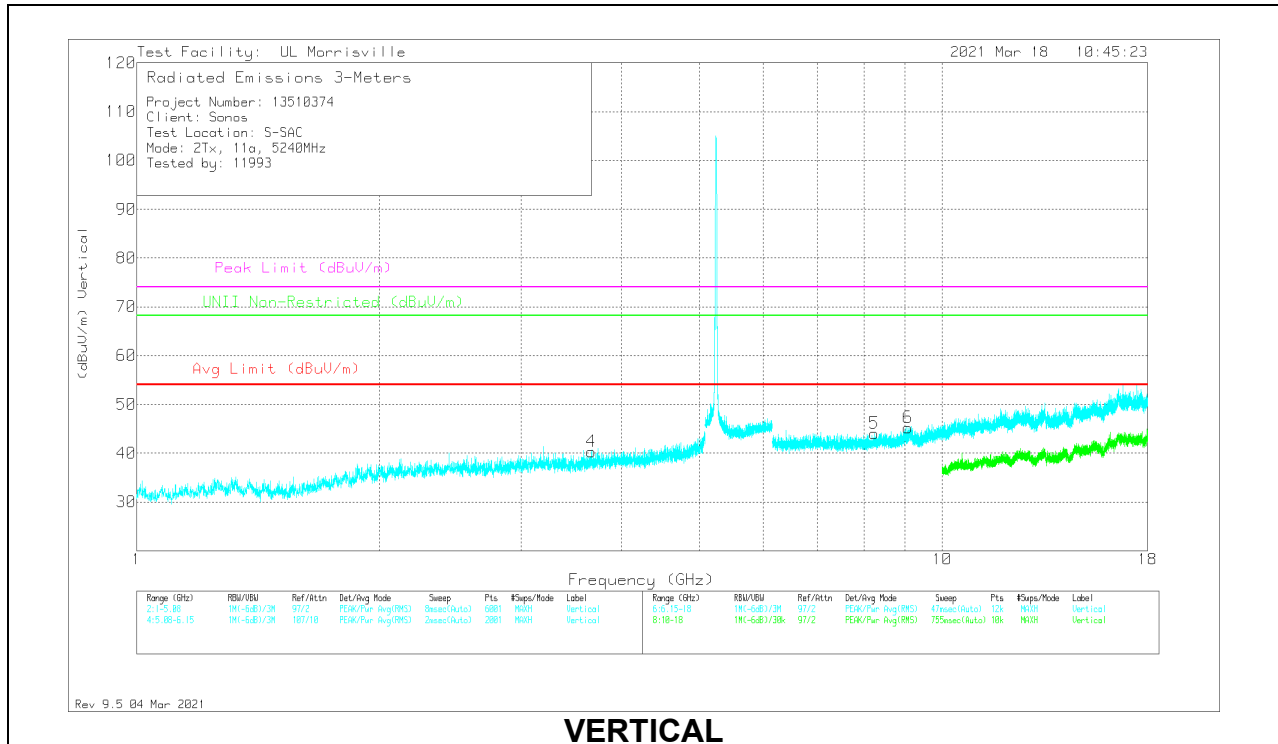
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

### HIGH CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**



**RADIATED EMISSIONS**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 (dB/m)	Amp/Cbl/fltr/Pad (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	* ** 4.01104	41.29	Pk	33.4	-32.3	42.39	54	-11.61	74	-31.61	-	-	0-360	101	H
4	* ** 3.67104	39.42	Pk	33.1	-32.2	40.32	54	-13.68	74	-33.68	-	-	0-360	101	V
2	* ** 7.40906	37.07	Pk	35.6	-28.2	44.47	54	-9.53	74	-29.53	-	-	0-360	101	H
3	* ** 9.15299	35.34	Pk	36.3	-26.7	44.94	54	-9.06	74	-29.06	-	-	0-360	101	H
5	* ** 8.23955	36.06	Pk	35.8	-27.8	44.06	54	-9.94	74	-29.94	-	-	0-360	101	V
6	* ** 9.07103	36.01	Pk	36.2	-27	45.21	54	-8.79	74	-28.79	-	-	0-360	101	V

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

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

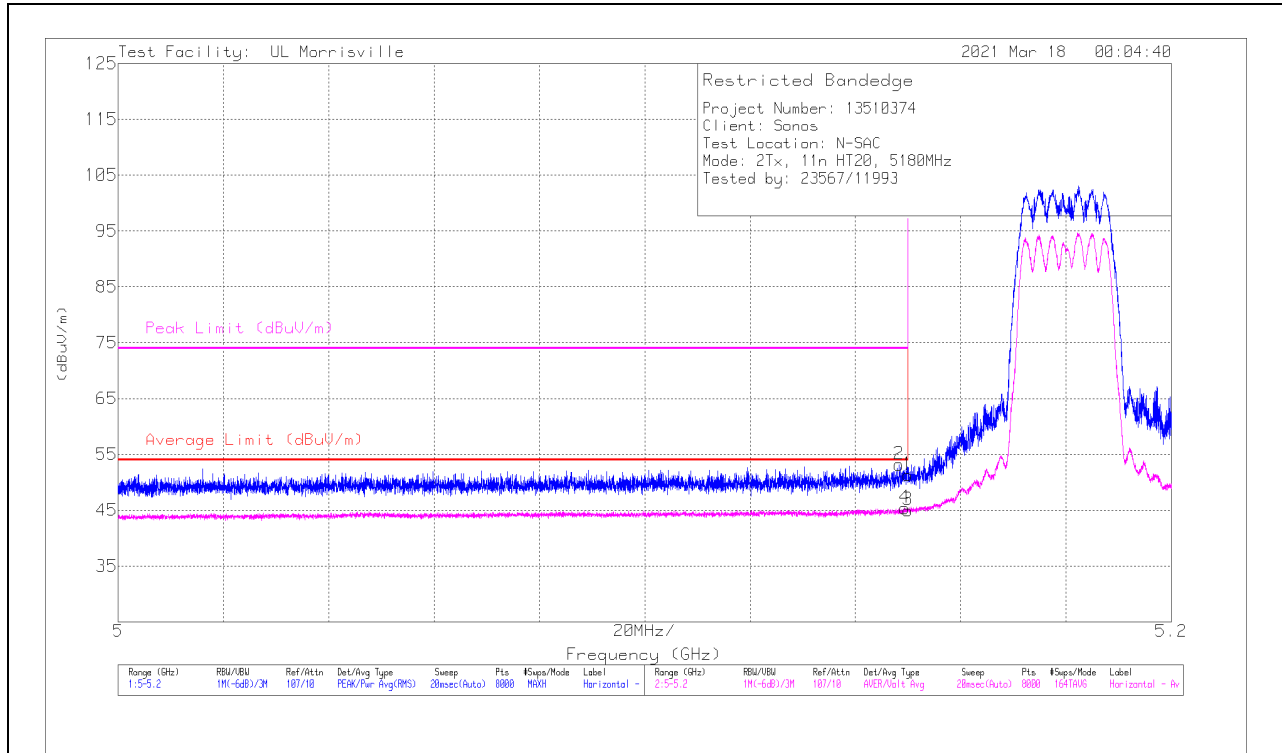
Pk - Peak detector

### 10.1.2. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.2 GHz BAND

#### 2TX Chain 1 + Chain 2 CDD MODE

#### BANDEDGE (LOW CHANNEL)

#### HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Filtr/Pad (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	39.92	Pk	34.2	-22.8	0	51.32	-	-	74	-22.68	327	172	H
2	* ** 5.14832	41.79	Pk	34.2	-22.8	0	53.19	-	-	74	-20.81	327	172	H
3	* ** 5.14999	29.32	ADV	34.2	-22.8	4.31	45.03	54	-8.97	-	-	327	172	H
4	* ** 5.14932	29.7	ADV	34.2	-22.8	4.3	45.41	54	-8.59	-	-	327	172	H

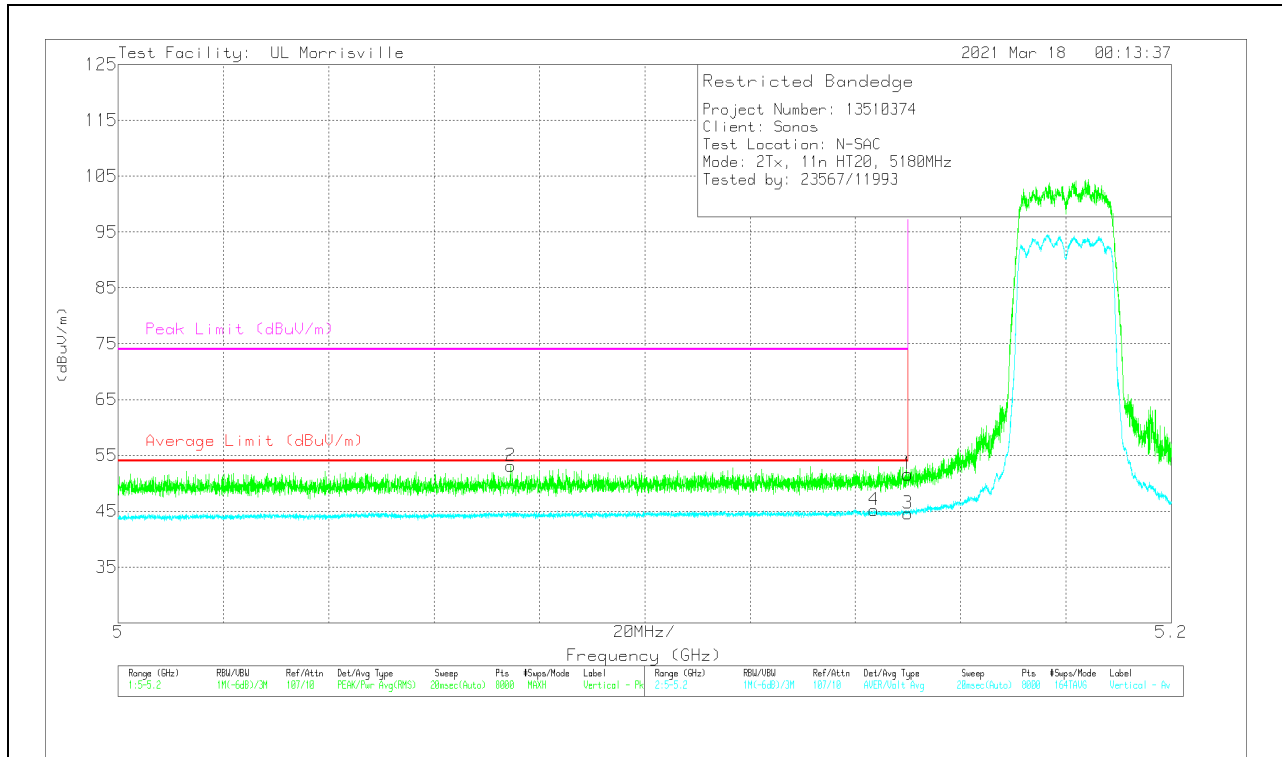
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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

Pk - Peak detector

ADV - Linear Voltage Average

### VERTICAL RESULT

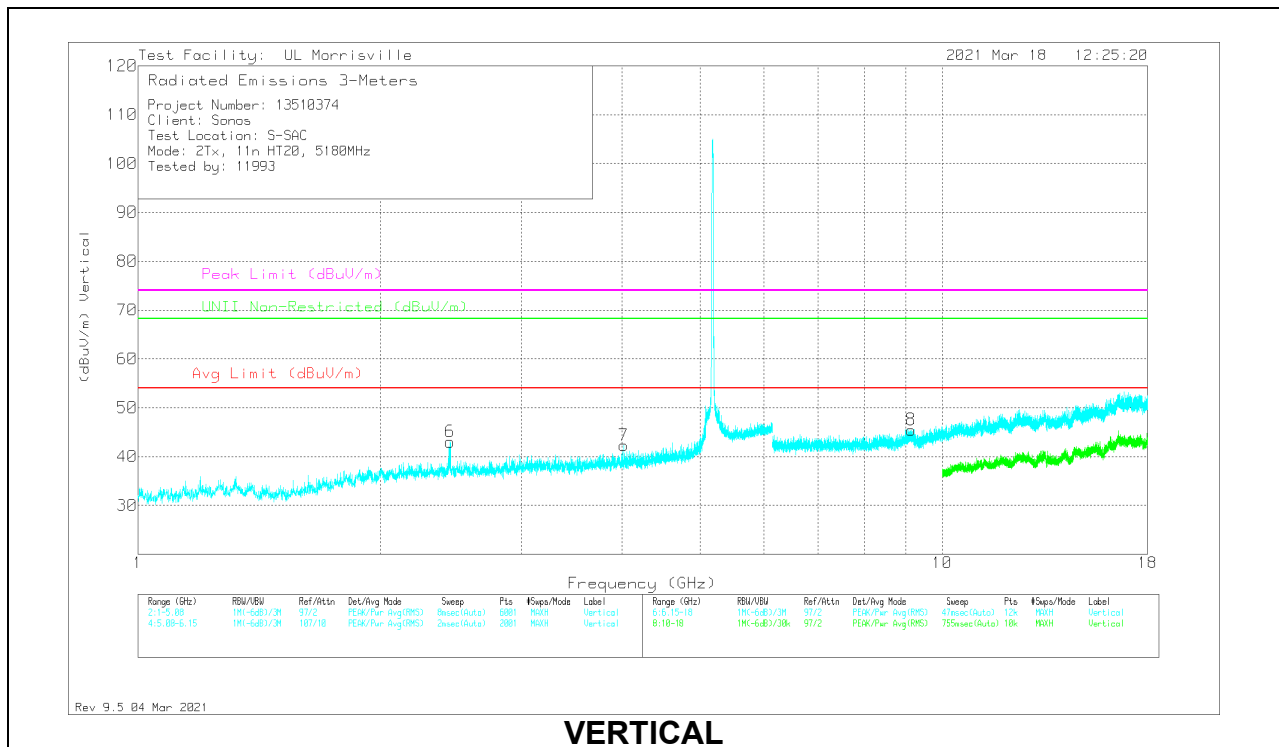
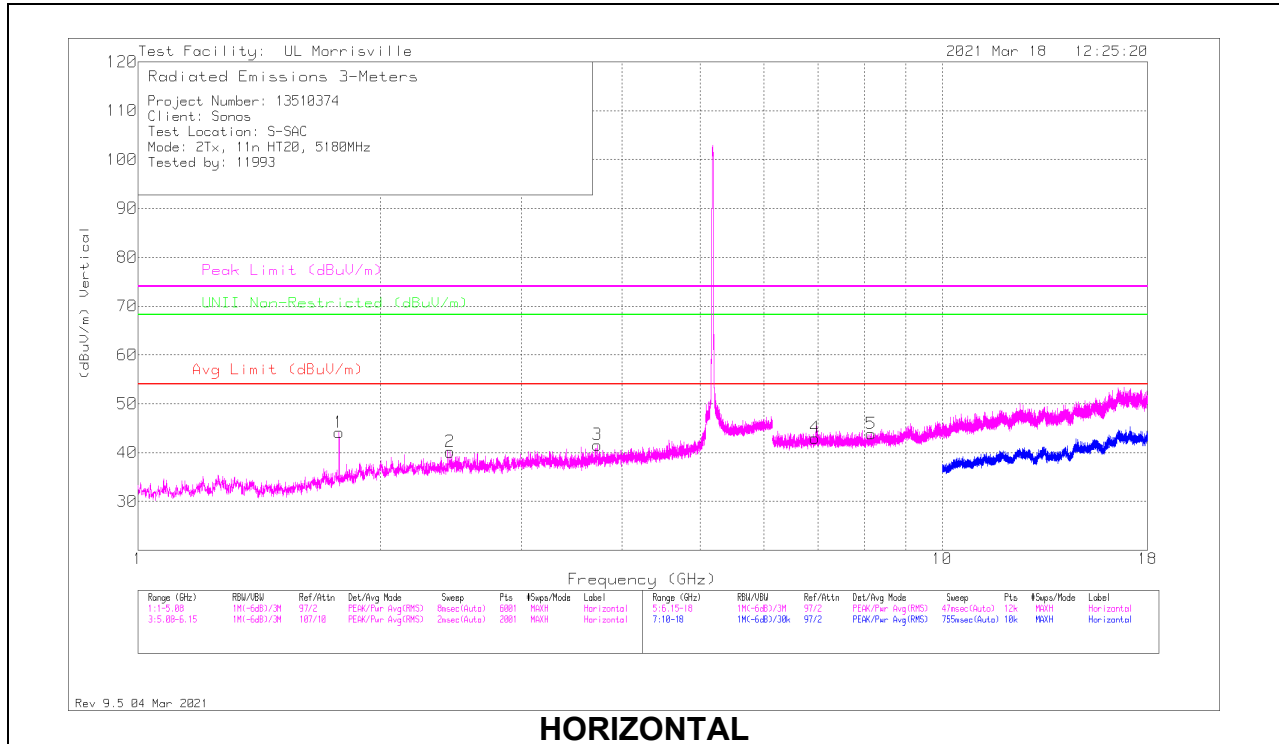


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.14999	40.21	Pk	34.2	-22.8	0	51.61	-	-	74	-22.39	187	166	V
2	* ** 5.07456	41.32	Pk	34.2	-22.4	0	53.12	-	-	74	-20.88	187	166	V
3	* ** 5.14999	28.88	ADV	34.2	-22.8	4.31	44.59	54	-9.41	-	-	187	166	V
4	* ** 5.14357	29.4	ADV	34.2	-22.7	4.31	45.21	54	-8.79	-	-	187	166	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 RESULTS



**RADIATED EMISSIONS**

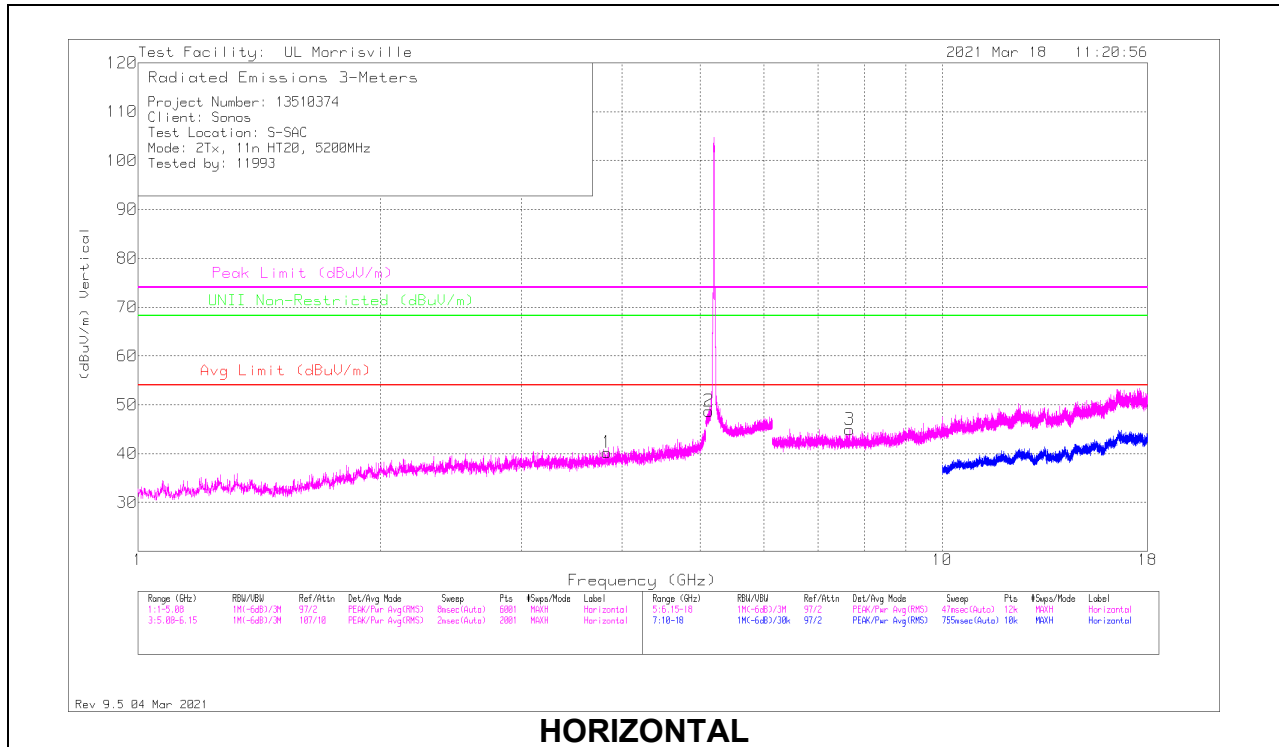
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 (dB/m)	Amp/Cbl/fltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	** 1.77792	48.52	Pk	30.3	-34.7	44.12	54	-9.88	74	-29.88	68.2	-24.08	0-360	200	H
3	* ** 3.72476	40.67	Pk	33.2	-32.3	41.57	54	-12.43	74	-32.43	-	-	0-360	200	H
7	* ** 4.01784	41.38	Pk	33.4	-32.5	42.28	54	-11.72	74	-31.72	-	-	0-360	200	V
5	* ** 8.15759	35.74	Pk	35.8	-27.7	43.84	54	-10.16	74	-30.16	-	-	0-360	101	H
8	* ** 9.14509	35.95	Pk	36.3	-26.8	45.45	54	-8.55	74	-28.55	-	-	0-360	101	V
2	2.4416	41.77	Pk	32.5	-34.1	40.17	-	-	-	-	68.2	-28.03	0-360	200	H
6	2.44296	44.63	Pk	32.5	-34.1	43.03	-	-	-	-	68.2	-25.17	0-360	101	V
4	6.94198	35.4	Pk	35.7	-28.1	43	-	-	-	-	68.2	-25.2	0-360	101	H

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

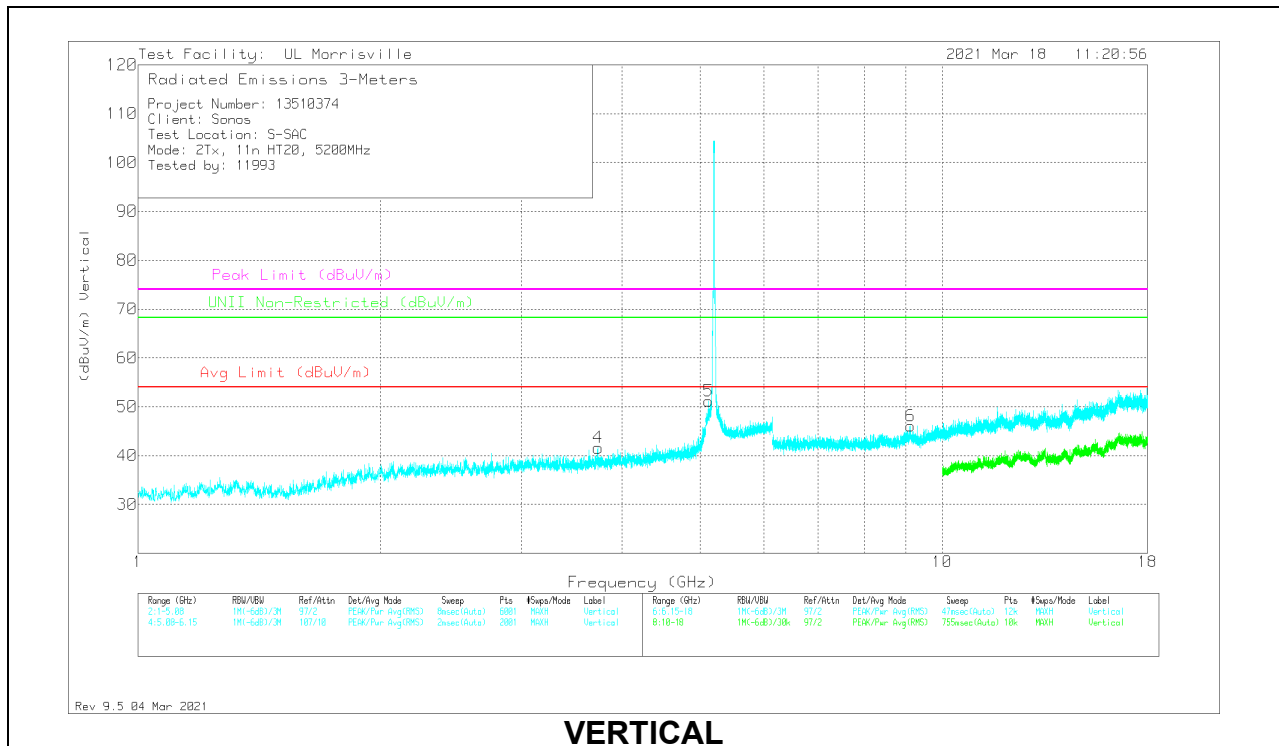
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

### MID CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 (dB/m)	Amp/Cbl/fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 3.82676	39.73	Pk	33.3	-32.8	0	40.23	54	-13.77	74	-33.77	-	-	0-360	101	H
4	* ** 3.7336	40.9	Pk	33.2	-32.5	0	41.6	54	-12.4	74	-32.4	-	-	0-360	101	V
2	* ** 5.12549	38.38	PK-U	34.1	-22.5	0	49.98	-	-	74	-24.02	-	-	260	183	H
	* ** 5.12495	24.91	ADV	34.1	-22.5	4.31	40.82	54	-13.18	-	-	-	-	260	183	H
5	* ** 5.12035	41.08	PK-U	34.1	-22.5	0	52.68	-	-	74	-21.32	-	-	222	197	V
	* ** 5.11943	25.68	ADV	34.1	-22.5	4.31	41.59	54	-12.41	-	-	-	-	222	197	V
3	* ** 7.66878	37.15	Pk	35.7	-27.9	0	44.95	54	-9.05	74	-29.05	-	-	0-360	101	H
6	* ** 9.13818	36.44	Pk	36.3	-26.7	0	46.04	54	-7.96	74	-27.96	-	-	0-360	200	V

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

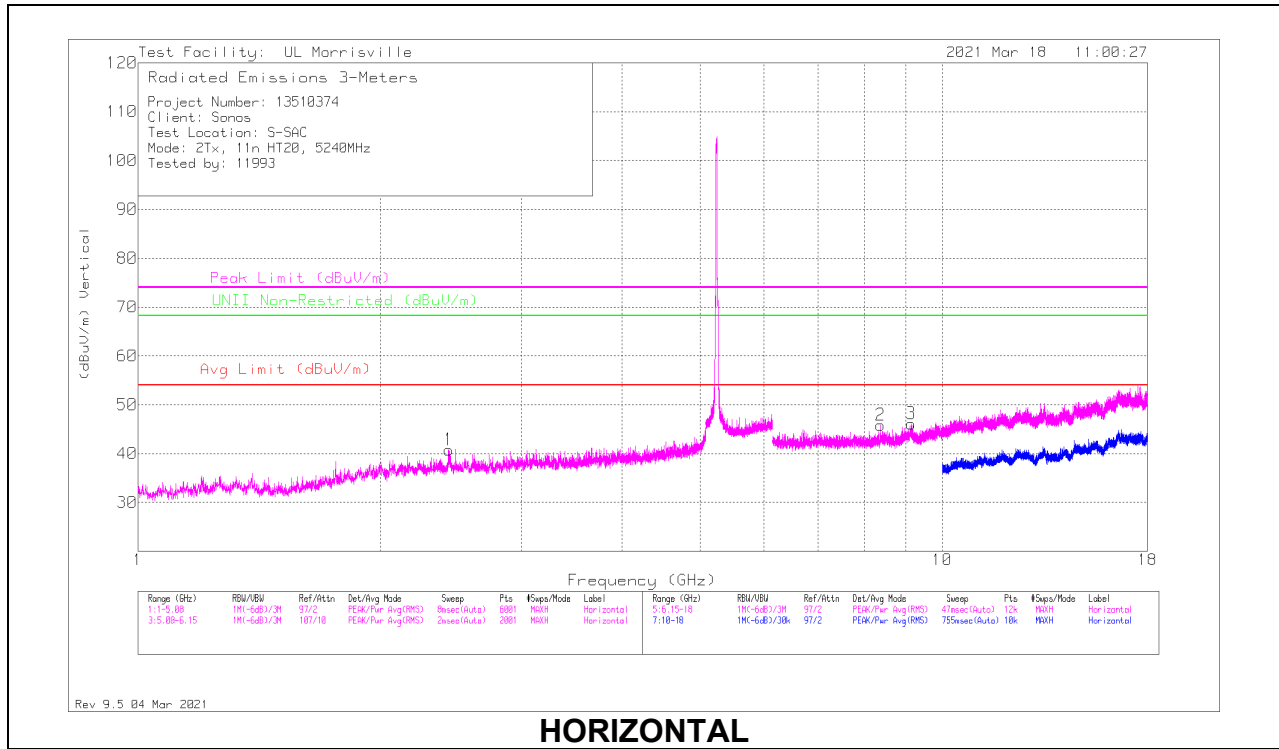
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

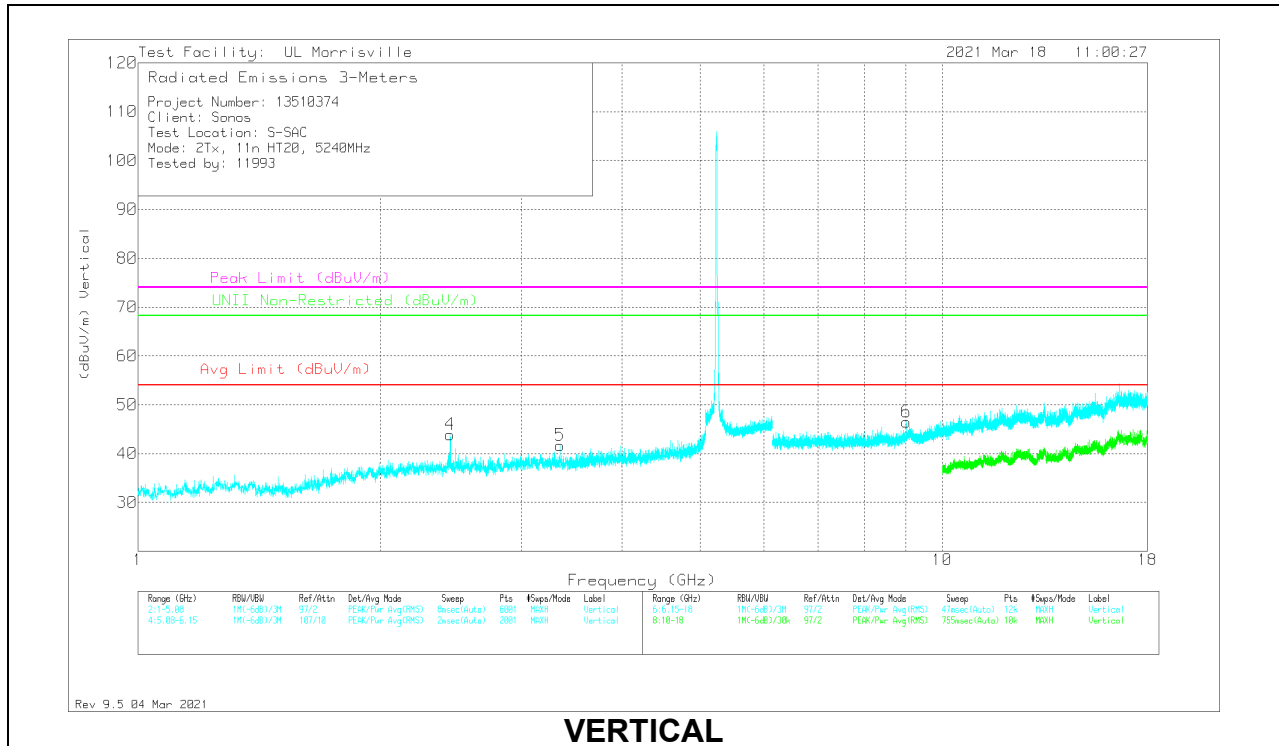
PK-U - Maximum Peak

ADV - Linear Voltage Average

### HIGH CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**



**RADIATED EMISSIONS**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 (dB/m)	Amp/Cbl/fltr/Pad (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
5	* ** 3.346	41.48	Pk	32.9	-32.7	41.68	54	-12.32	74	-32.32	-	-	0-360	101	V
2	* ** 8.38373	37.32	Pk	35.8	-27.3	45.82	54	-8.18	74	-28.18	-	-	0-360	200	H
3	* ** 9.1441	36.51	Pk	36.3	-26.7	46.11	54	-7.89	74	-27.89	-	-	0-360	101	H
6	* ** 9.01968	37.59	Pk	36.2	-27.3	46.49	54	-7.51	74	-27.51	-	-	0-360	200	V
1	2.43344	42.48	Pk	32.4	-34.1	40.78	-	-	-	-	68.2	-27.42	0-360	200	H
4	2.44432	45.5	Pk	32.5	-34.1	43.9	-	-	-	-	68.2	-24.3	0-360	101	V

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

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

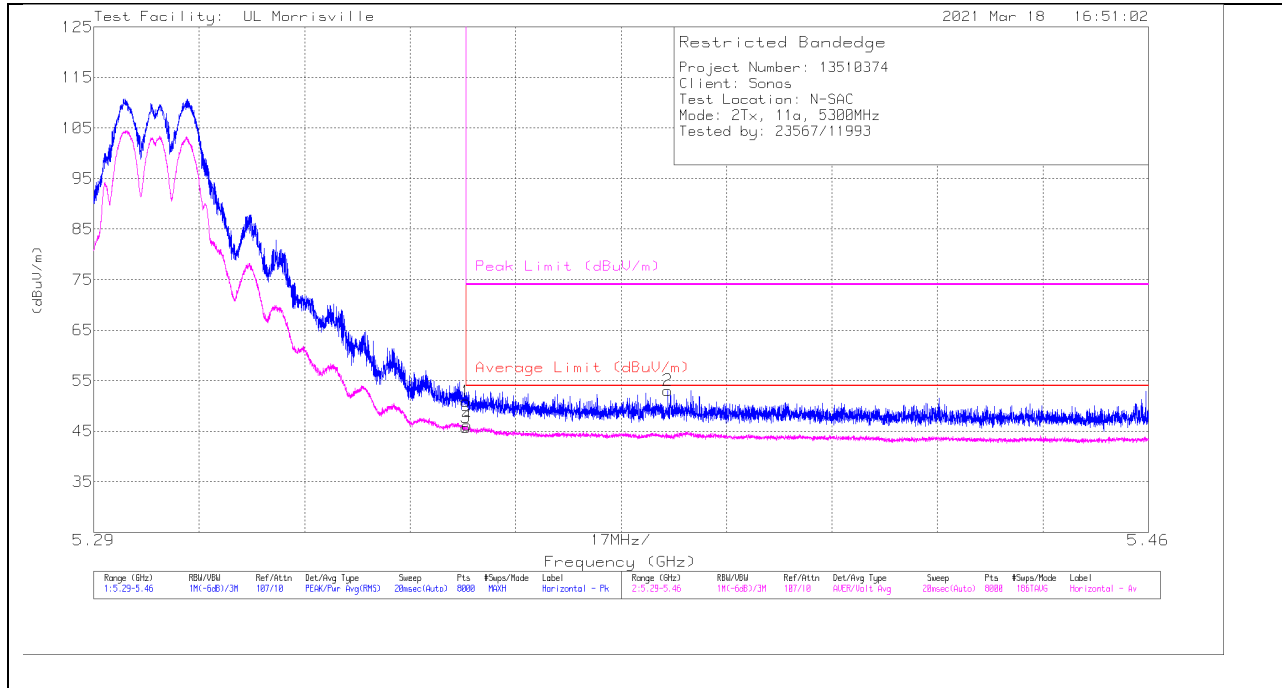
Pk - Peak detector

### 10.1.3. TX ABOVE 1 GHz 802.11a MODE IN THE 5.3 GHz BAND

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

#### BANDEDGE (5300 MHz)

#### HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl /Ftr/Pad (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	** * 5.35002	39.62	Pk	34.4	-23.1	0	50.92	-	-	74	-23.08	333	316	H
2	** * 5.38254	41.78	Pk	34.5	-23.2	0	53.08	-	-	74	-20.92	333	316	H
3	** * 5.35002	29.06	ADV	34.4	-23.1	5.4	45.76	54	-8.24	-	-	333	316	H
4	** * 5.35015	29.55	ADV	34.4	-23.1	5.4	46.25	54	-7.75	-	-	333	316	H

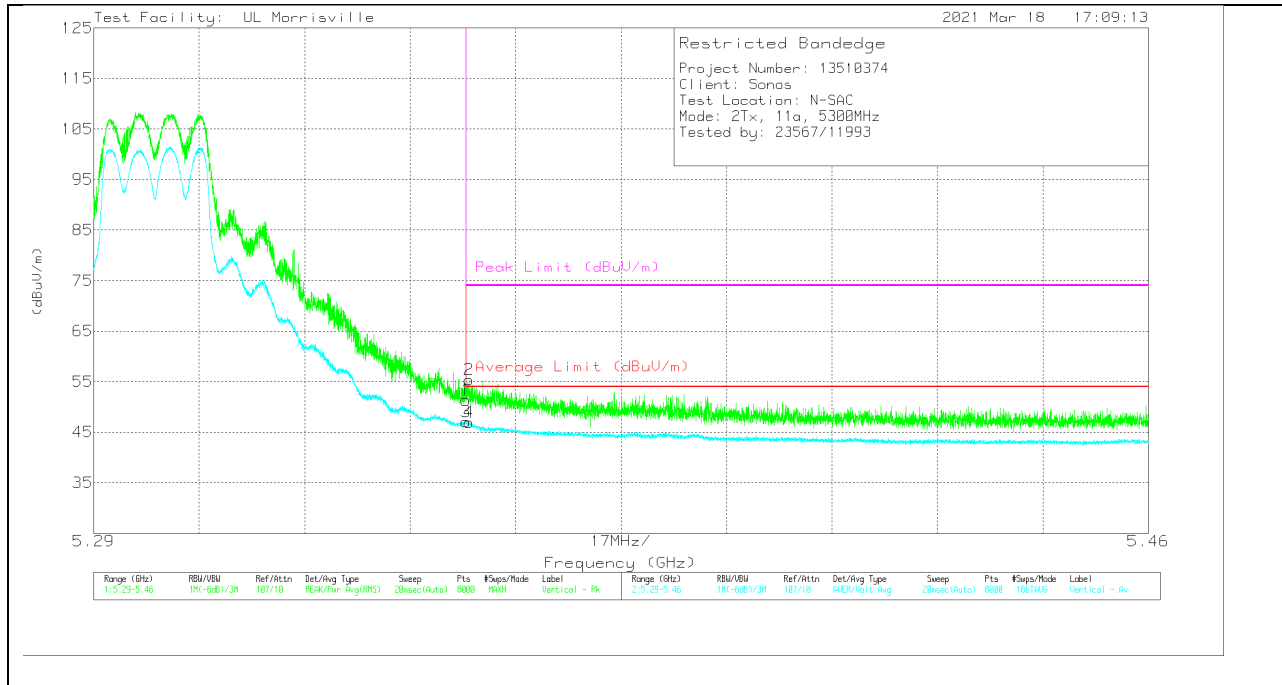
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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

Pk - Peak detector

ADV - U-NII AD primary method, Linear Voltage Average

### VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl /Filtr/Pad (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	* ** 5.35002	40.05	Pk	34.4	-23.1	0	51.35	-	-	74	-22.65	126	253	V
2	* ** 5.35049	44.18	Pk	34.4	-23.2	0	55.38	-	-	74	-18.62	126	253	V
3	* ** 5.35002	30.37	ADV	34.4	-23.1	5.4	47.07	54	-6.93	-	-	126	253	V
4	* ** 5.35053	30.39	ADV	34.4	-23.2	5.4	46.99	54	-7.01	-	-	126	253	V

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

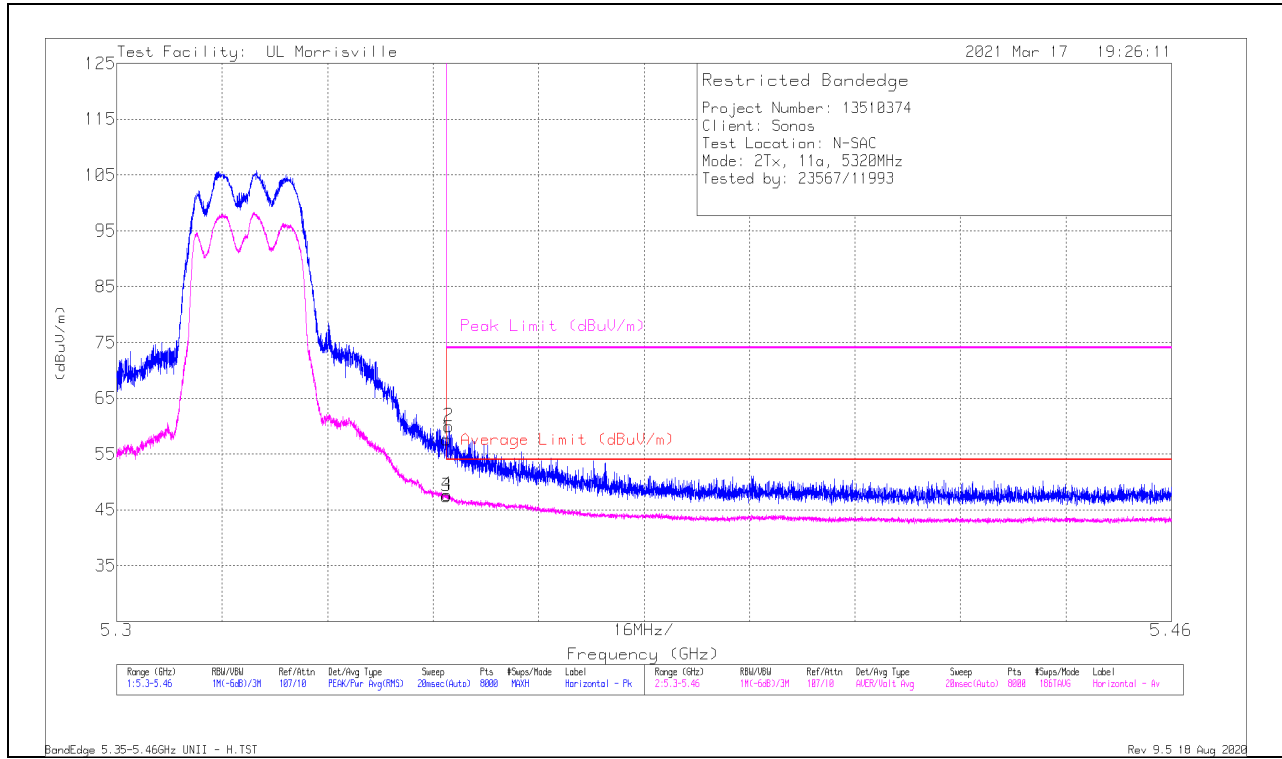
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - U-NII AD primary method, Linear Voltage Average

**BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Filtr/Pad (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	46.38	Pk	34.4	-23.1	0	57.68	-	-	74	-16.32	6	229	H
2	* ** 5.35041	48.81	Pk	34.4	-23.2	0	60.01	-	-	74	-13.99	6	229	H
3	* ** 5.35001	30.77	ADV	34.4	-23.1	5.41	47.48	54	-6.52	-	-	6	229	H
4	* ** 5.35011	30.96	ADV	34.4	-23.1	5.41	47.67	54	-6.33	-	-	6	229	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