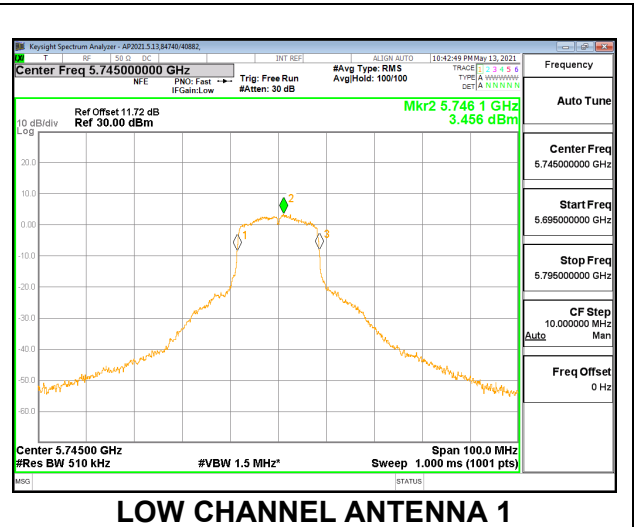
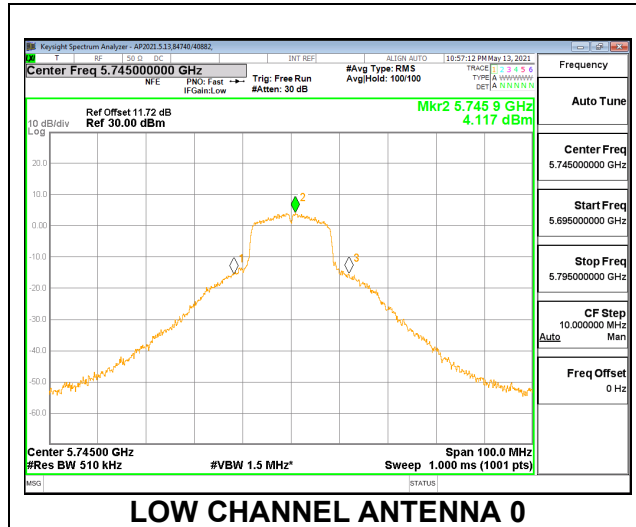
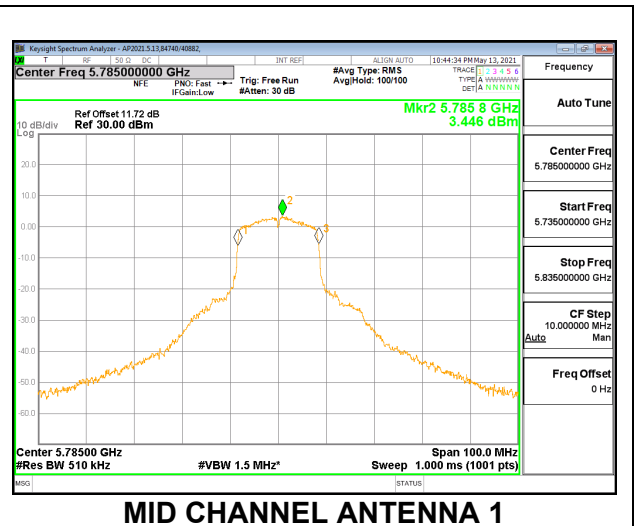
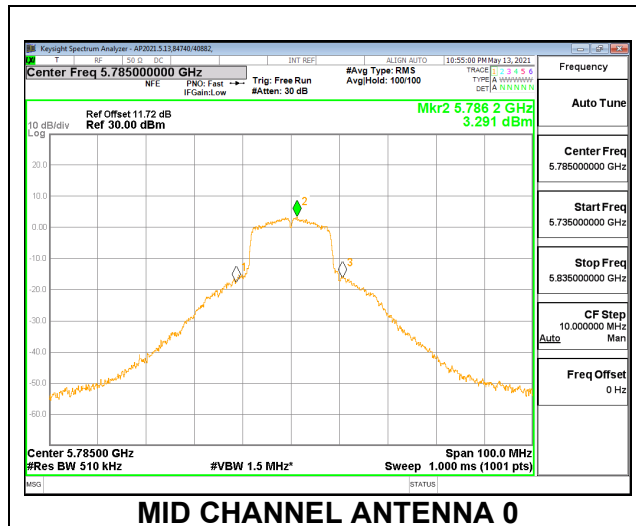


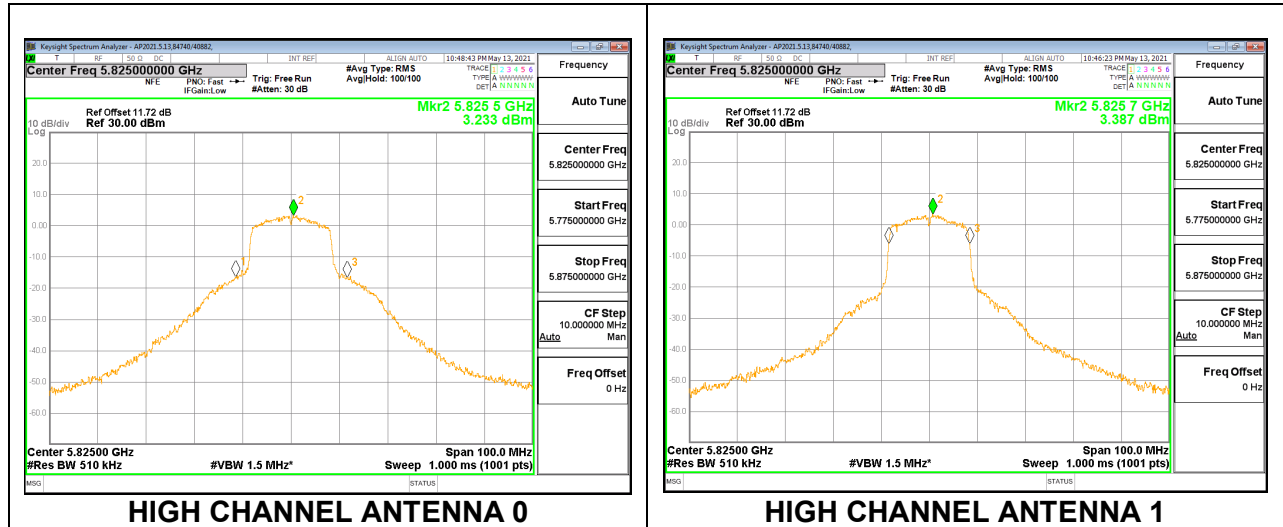
LOW CHANNEL



MID CHANNEL



HIGH CHANNEL



9.5.8. 802.11n HT20 MODE IN THE 5.8 GHz BAND

2TX Antenna 0 + Antenna 1 CDD MODE (FCC)

Test Engineer:	84740/40882
Test Date:	2021-05-13

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	4.86	7.87	30.00	28.13
Mid	5785	4.86	7.87	30.00	28.13
High	5825	4.86	7.87	30.00	28.13

Duty Cycle CF (dB)	1.48	Included in Calculations of Corr'd Power & PSD
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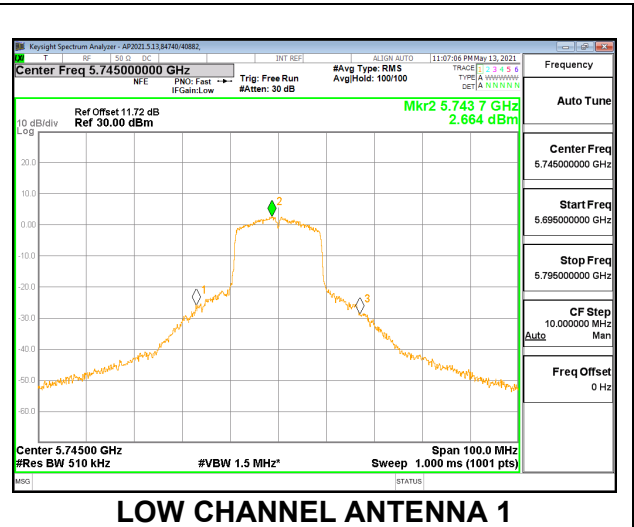
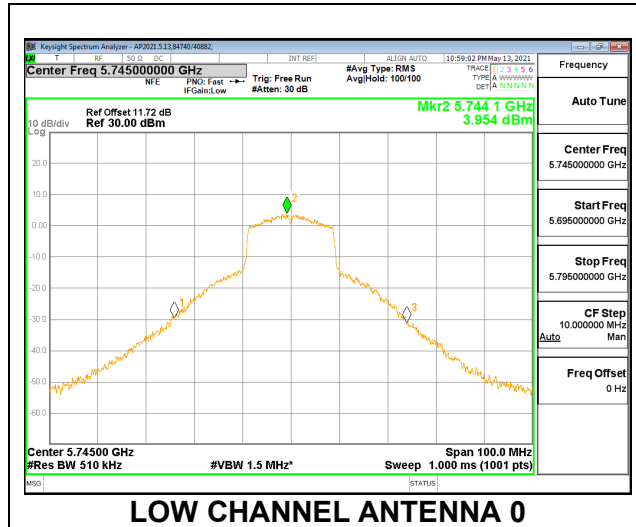
Output Power Results

Channel	Frequency (MHz)	Antenna 0 Meas Power (dBm)	Antenna 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	20.64	18.90	22.87	30.00	-7.13
Mid	5785	20.45	18.80	22.71	30.00	-7.29
High	5825	20.42	18.60	22.61	30.00	-7.39

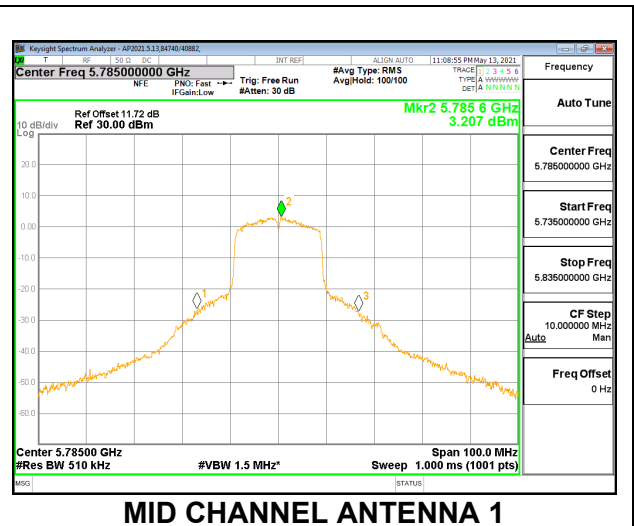
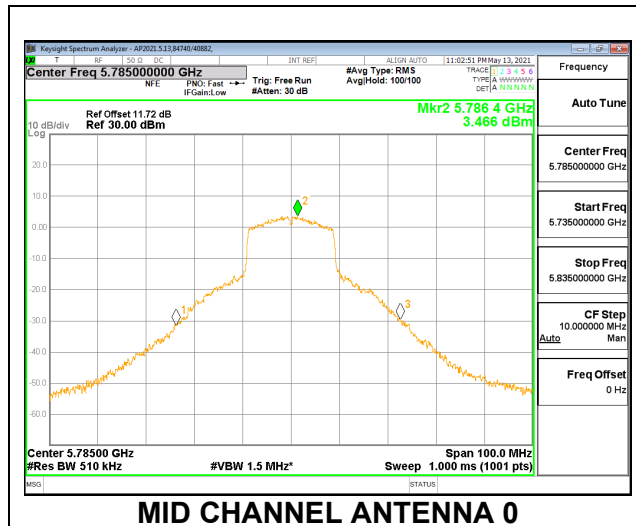
PSD Results

Channel	Frequency (MHz)	Antenna 0 Meas PSD (dBm/ 500KHz)	Antenna 1 Meas PSD (dBm/ 500KHz)	Total Corr'd PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)	PSD Margin (dB)
Low	5745	3.954	2.664	7.847	28.13	-20.28
Mid	5785	3.466	3.207	7.829	28.13	-20.30
High	5825	3.584	3.359	7.963	28.13	-20.17

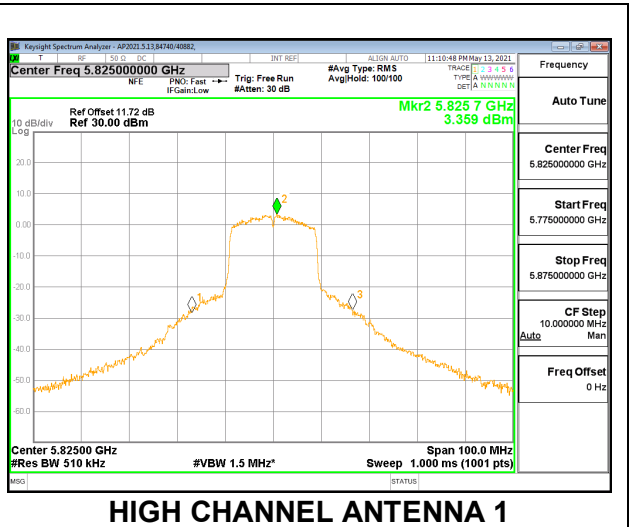
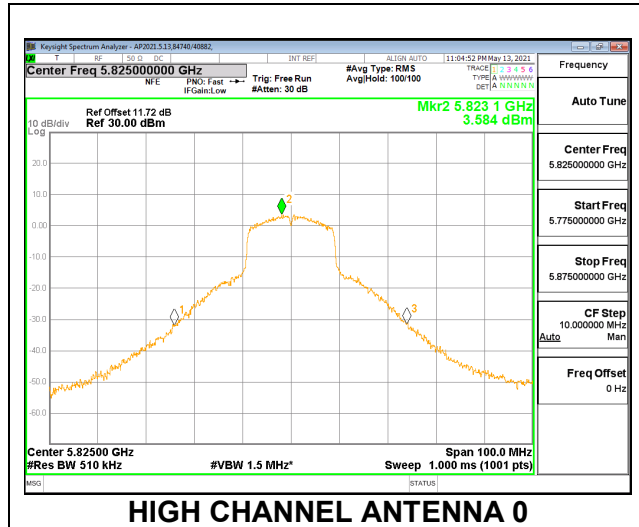
LOW CHANNEL



MID CHANNEL



HIGH CHANNEL



2TX Antenna 0 + Antenna 1 SDM MODE (IC)

Test Engineer:	84740/40882
Test Date:	2021-05-13

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	4.86	7.87	30.00	28.13
Mid	5785	4.86	7.87	30.00	28.13
High	5825	4.86	7.87	30.00	28.13

Duty Cycle CF (dB)	1.48	Included in Calculations of Corr'd PSD
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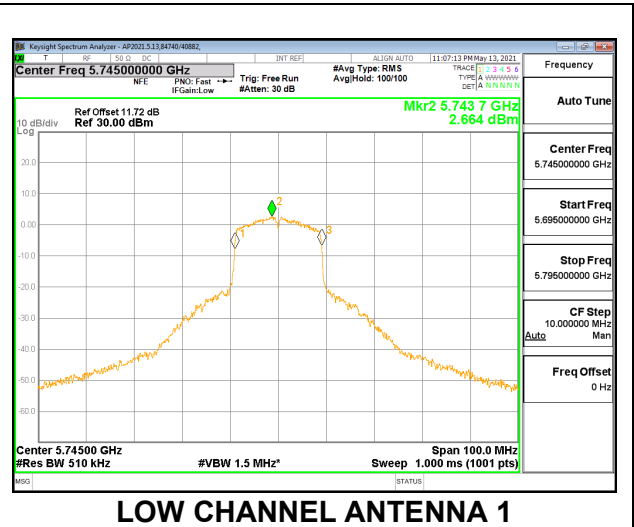
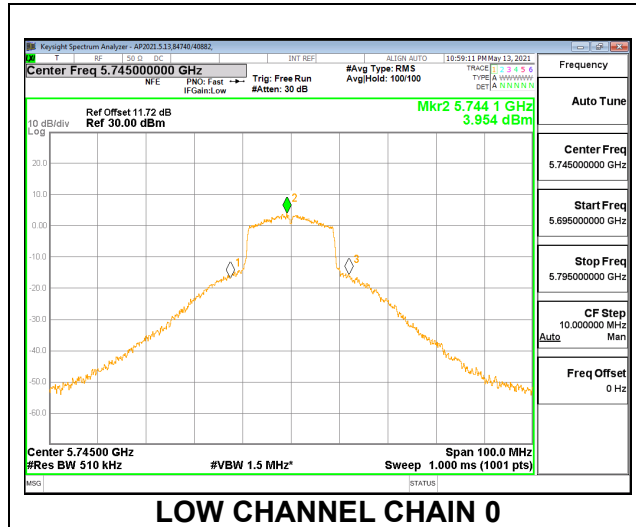
Output Power Results

Channel	Frequency (MHz)	Antenna 0 Meas Power (dBm)	Antenna 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	20.64	18.90	22.87	30.00	-7.13
Mid	5785	20.45	18.80	22.71	30.00	-7.29
High	5825	20.42	18.60	22.61	30.00	-7.39

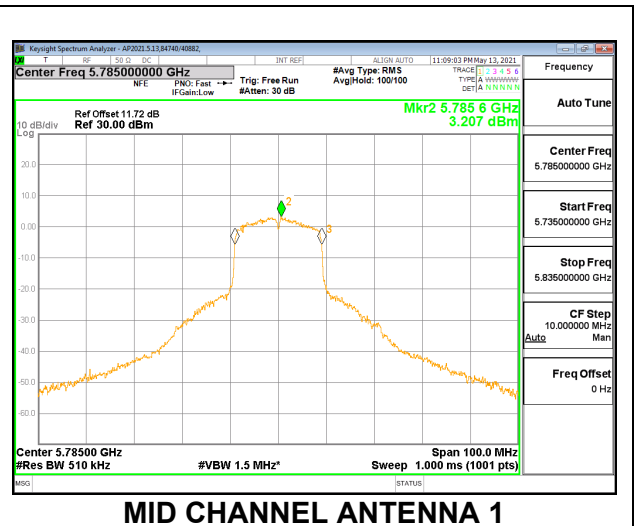
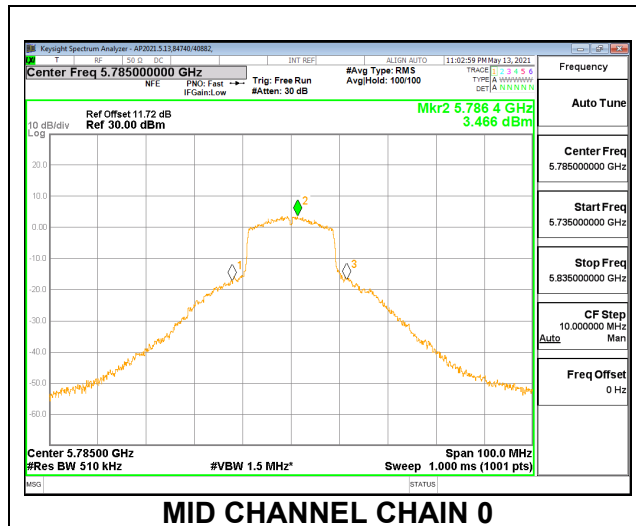
PSD Results

Channel	Frequency (MHz)	Antenna 0 Meas PSD (dBm/ 500KHz)	Antenna 1 Meas PSD (dBm/ 500KHz)	Total Corr'd PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)	PSD Margin (dB)
Low	5745	3.954	2.664	7.85	28.13	-20.28
Mid	5785	3.466	3.207	7.83	28.13	-20.30
High	5825	3.584	3.359	7.96	28.13	-20.17

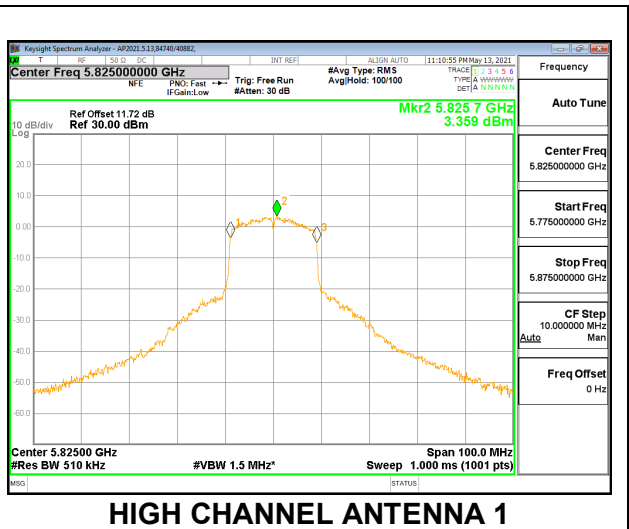
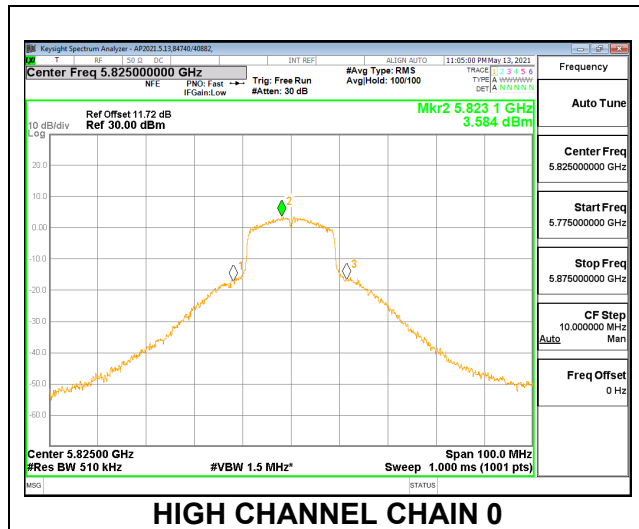
LOW CHANNEL



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 and PSD 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.

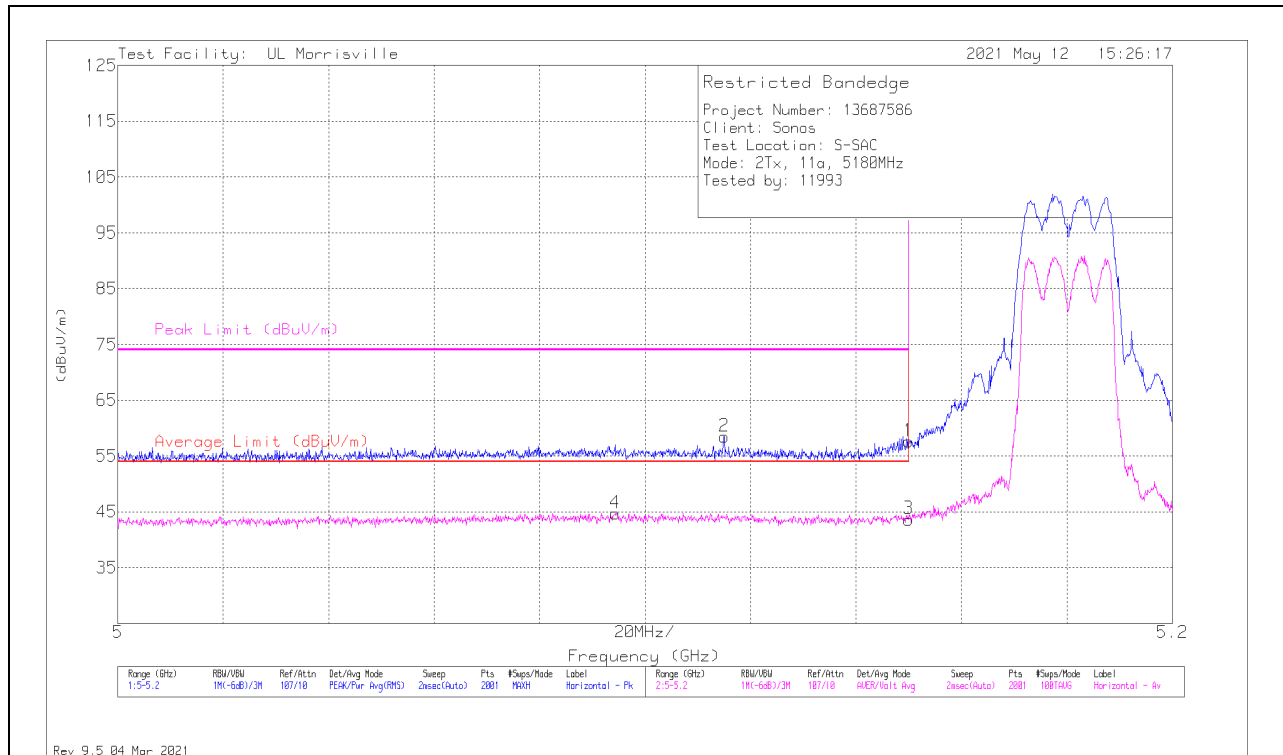
10.1. TRANSMITTER ABOVE 1 GHz

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

2TX Antenna 1 + Antenna 2 CDD MODE

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	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	* ** 5.15	35.85	Pk	34.1	-22.4	10.1	0	57.65	-	-	74	-16.35	38	117	H
2	* ** 5.115	36.74	Pk	34.3	-22.5	10	0	58.54	-	-	74	-15.46	38	117	H
3	* ** 5.15	19.07	ADV	34.1	-22.4	10.1	2.78	43.65	54	-10.35	-	-	38	116	H
4	* ** 5.0944	20.06	ADV	34.4	-22.5	10	2.78	44.74	54	-9.26	-	-	38	116	H

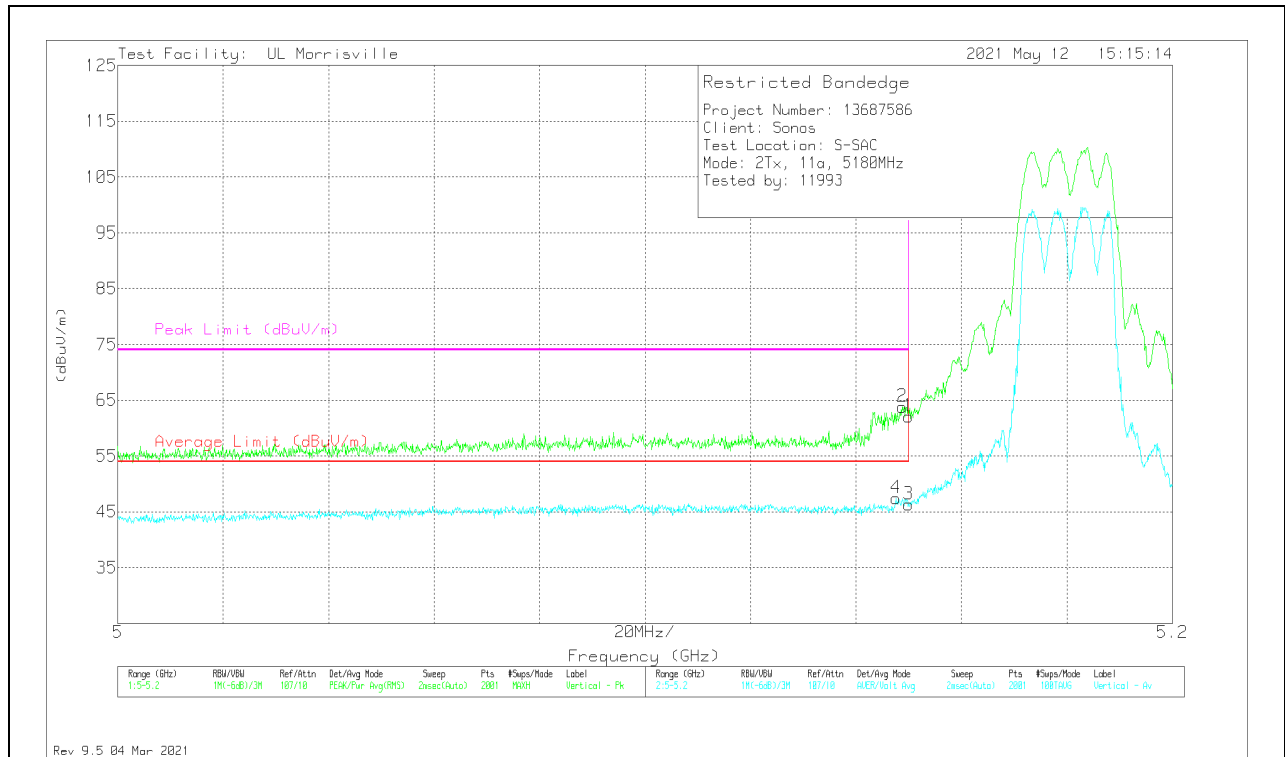
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT

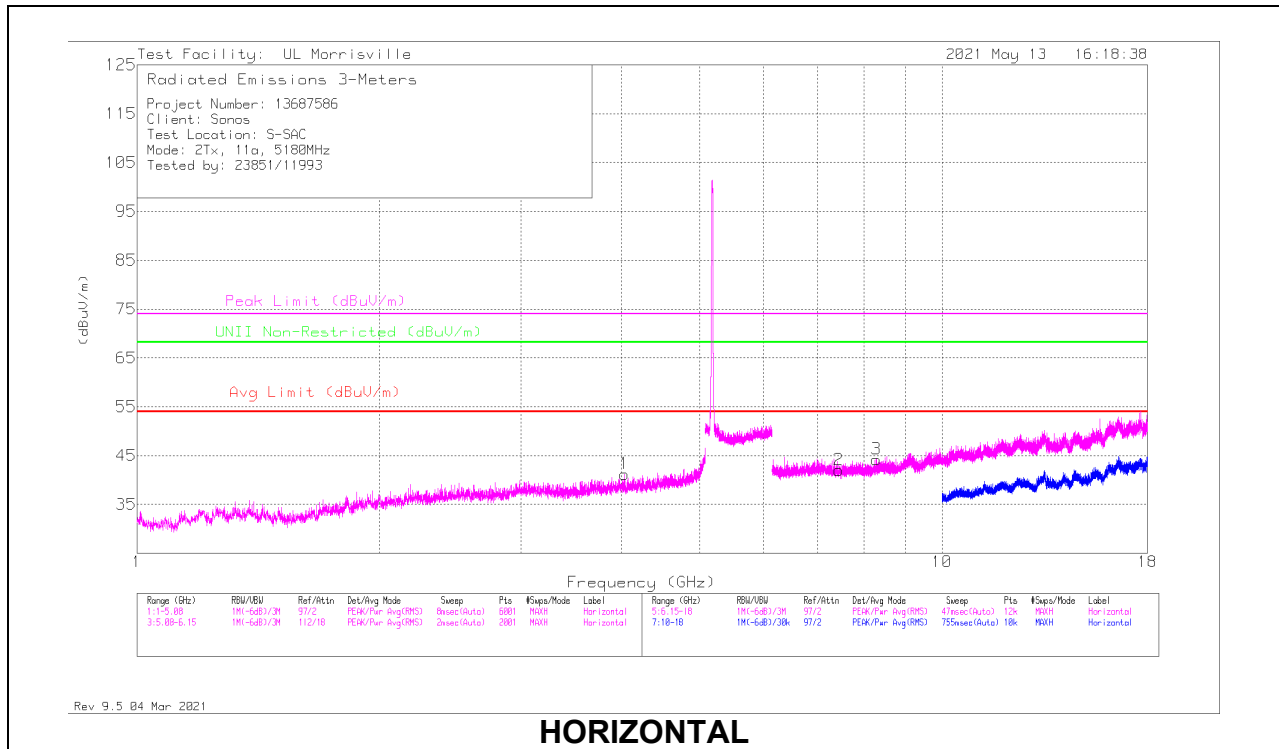


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 5.15	40.29	Pk	34.1	-22.4	10.1	62.09	-	-	74	-11.91	23	107	V
2	*** 5.1488	42.04	Pk	34.1	-22.4	10.1	63.84	-	-	74	-10.16	23	107	V
3	*** 5.15	21.72	ADV	34.1	-22.4	10.1	2.78	54	-7.7	-	-	23	107	V
4	*** 5.1476	22.84	ADV	34.1	-22.4	10.1	2.78	54	-6.58	-	-	23	107	V

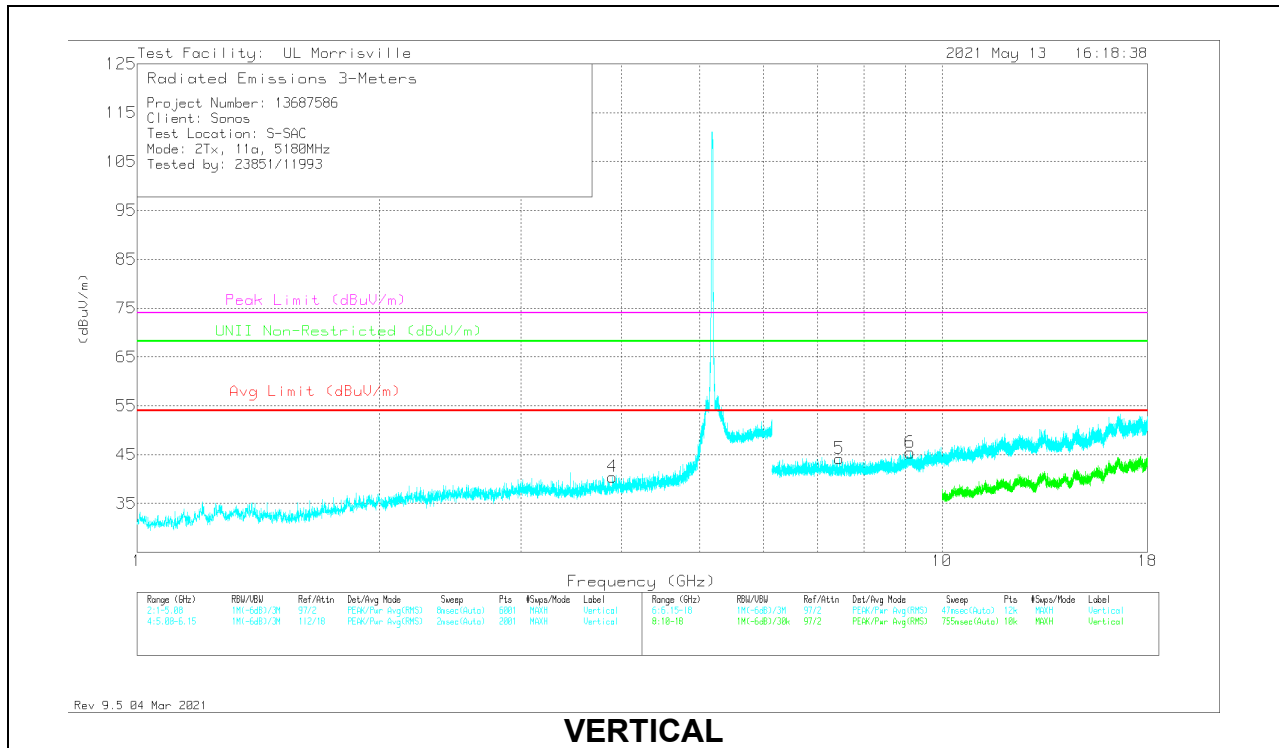
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 ADV - Linear Voltage Average

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

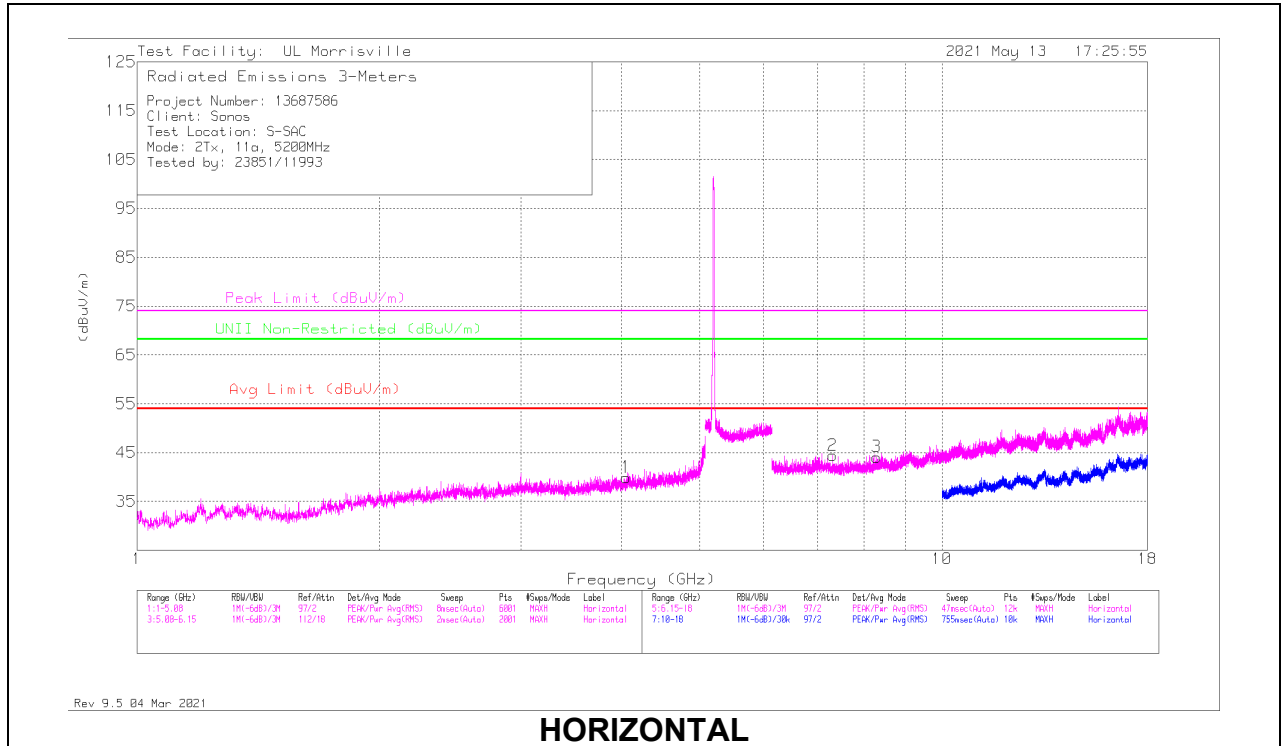
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 4.03416	40.33	Pk	33.6	-32.7	0	41.23	54	-12.77	74	-32.77	-	-	0-360	200	H
4	* ** 3.8934	39.45	Pk	33.5	-32.5	0	40.45	54	-13.55	74	-33.55	-	-	0-360	200	V
2	* ** 7.4377	34.53	Pk	35.6	-28.1	0	42.03	54	-11.97	74	-31.97	-	-	0-360	101	H
3	* ** 8.28596	36.03	Pk	35.9	-27.7	0	44.23	54	-9.77	74	-29.77	-	-	0-360	200	H
5	* ** 7.45646	36.5	Pk	35.6	-27.9	0	44.2	54	-9.8	74	-29.8	-	-	0-360	101	V
6	* ** 9.12633	35.73	Pk	36.3	-26.6	0	45.43	54	-8.57	74	-28.57	-	-	0-360	101	V

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

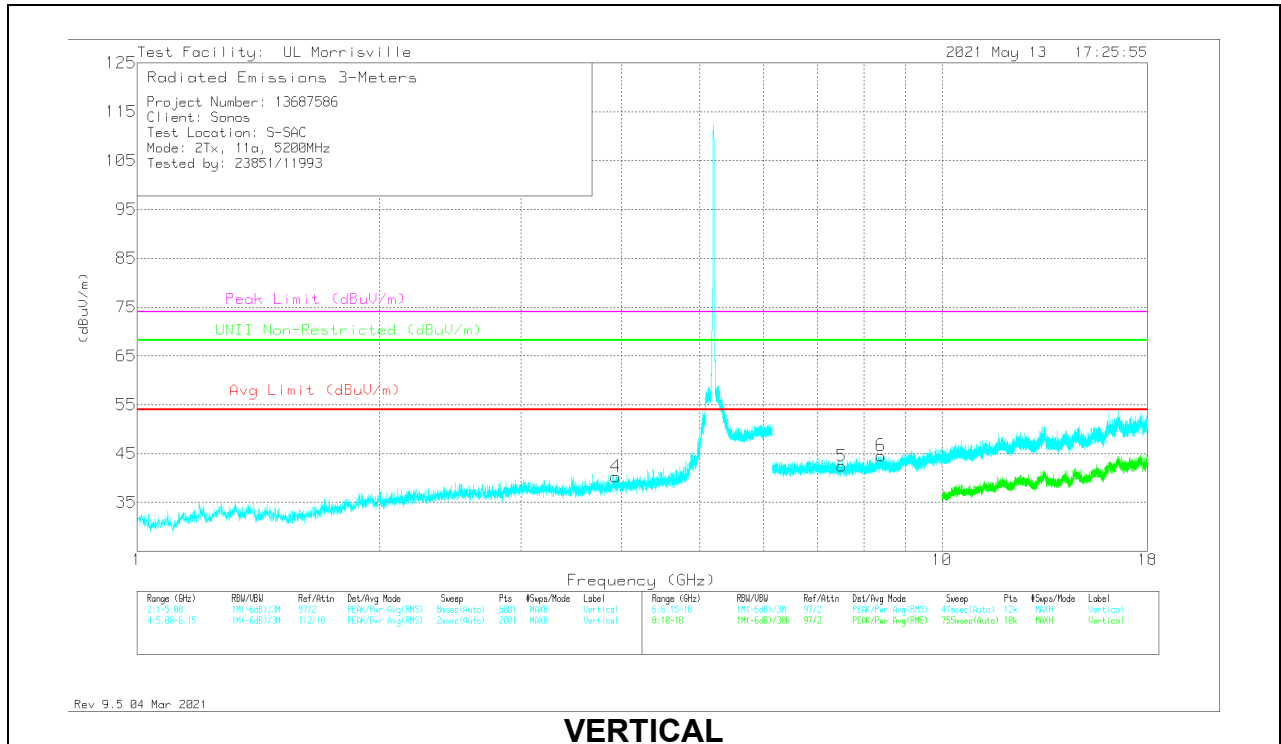
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

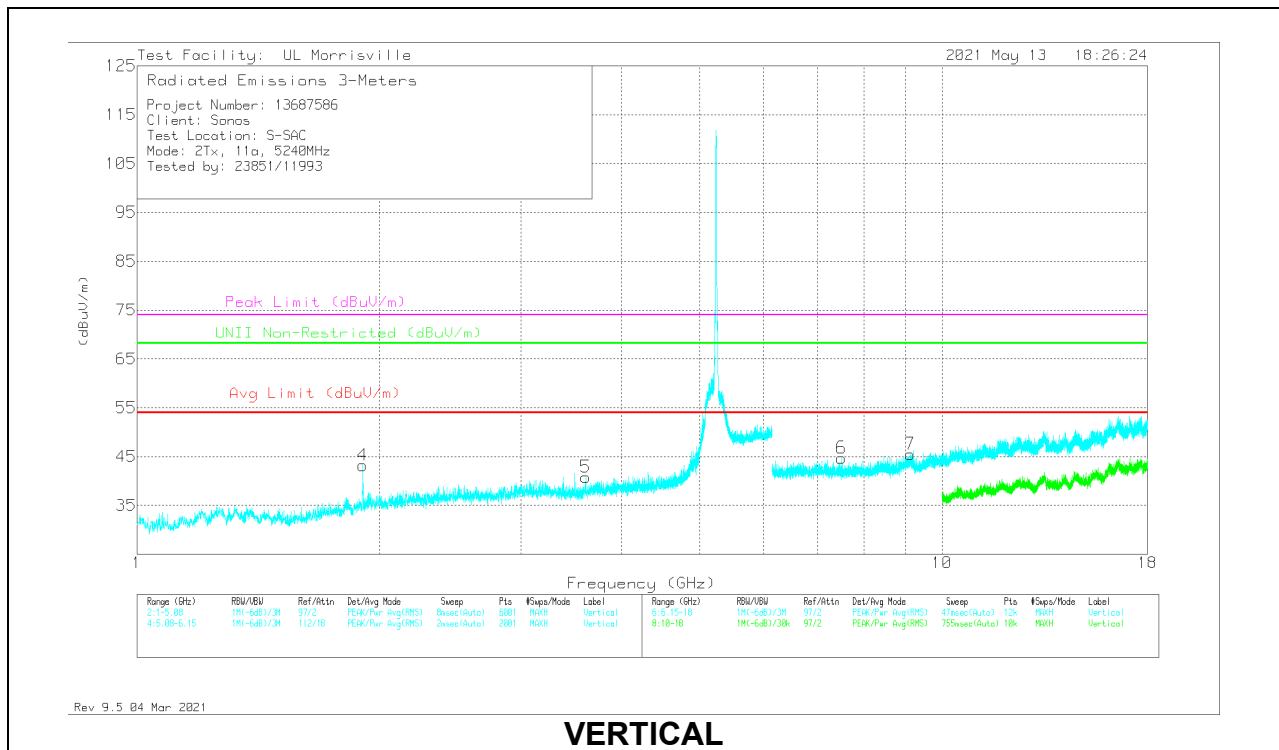
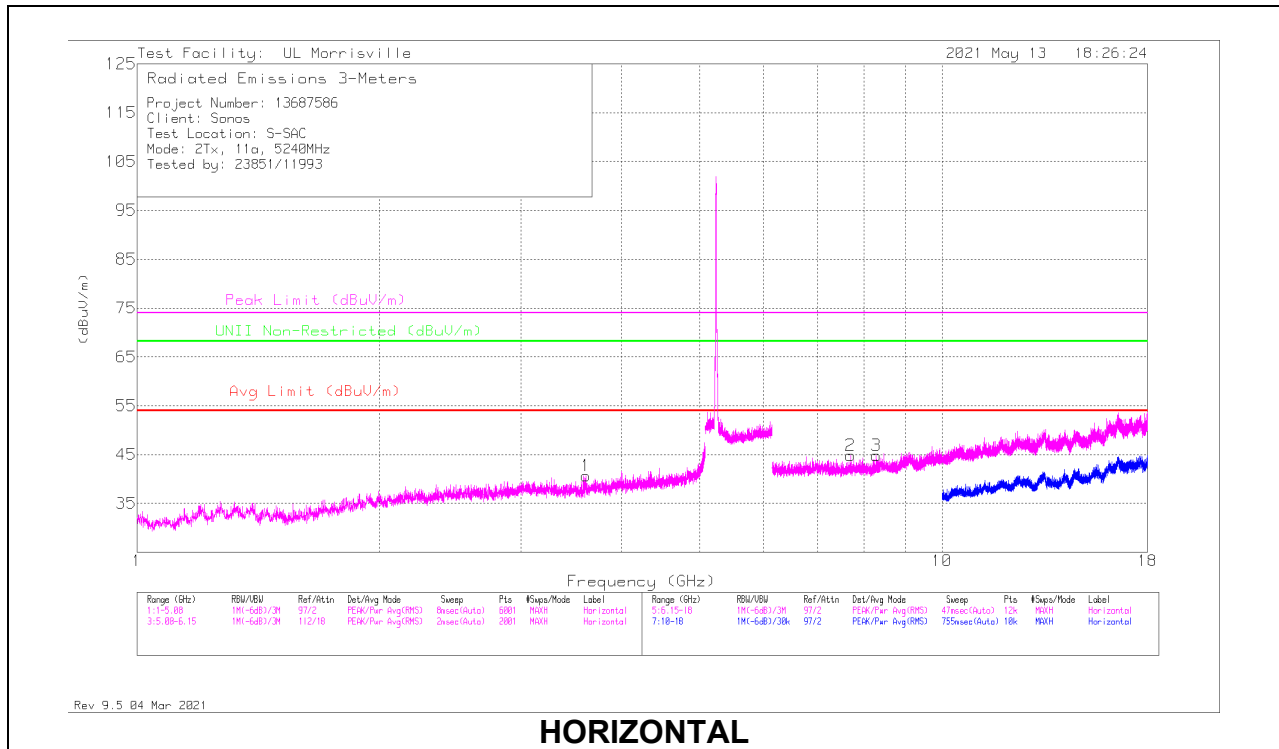
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/fltr/ Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 4.0532	39	Pk	33.6	-32.7	0	39.9	54	-14.1	74	-34.1	-	-	0-360	199	H
4	* ** 3.93216	38.76	Pk	33.6	-32.1	0	40.26	54	-13.74	74	-33.74	-	-	0-360	101	V
2	* ** 7.31821	36.69	Pk	35.7	-28	0	44.39	54	-9.61	74	-29.61	-	-	0-360	101	H
3	* ** 8.2988	35.9	Pk	35.9	-27.7	0	44.1	54	-9.9	74	-29.9	-	-	0-360	199	H
5	* ** 7.50189	34.54	Pk	35.6	-27.7	0	42.44	54	-11.56	74	-31.56	-	-	0-360	101	V
6	* ** 8.39064	35.97	Pk	35.9	-27.3	0	44.57	54	-9.43	74	-29.43	-	-	0-360	199	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/fltr/Pa d (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)	Pol.
1	*** 3.6112	40.02	Pk	33	-32.4	0	40.62	54	-13.38	74	-33.38	-	-	0-360	101	H
4	** 1.90576	46.6	Pk	30.9	-34.3	0	43.2	54	-10.8	74	-30.8	68.2	-25	0-360	101	V
5	*** 3.60848	40.29	Pk	33	-32.5	0	40.79	54	-13.21	74	-33.21	-	-	0-360	200	V
2	*** 7.69544	37.01	Pk	35.8	-28	0	44.81	54	-9.19	74	-29.19	-	-	0-360	101	H
3	*** 8.28596	36.61	Pk	35.9	-27.7	0	44.81	54	-9.19	74	-29.19	-	-	0-360	199	H
6	*** 7.49893	36.79	Pk	35.6	-27.7	0	44.69	54	-9.31	74	-29.31	-	-	0-360	101	V
7	*** 9.12929	35.78	Pk	36.3	-26.6	0	45.48	54	-8.52	74	-28.52	-	-	0-360	200	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

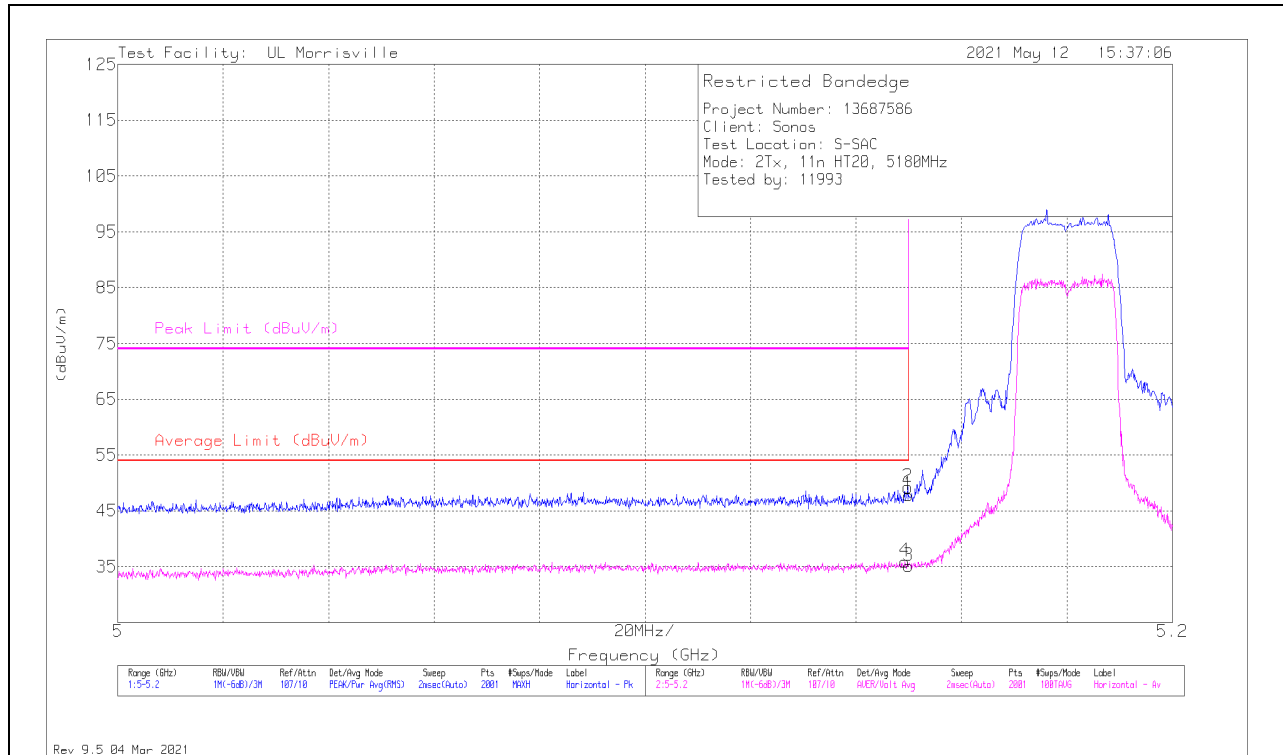
Pk - Peak detector

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

2TX Antenna 1 + Antenna 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	*** 5.15	36.17	Pk	34.1	-22.4	0	47.87	-	-	74	-26.13	272	226	H
2	*** 5.1498	37.54	Pk	34.1	-22.4	0	49.24	-	-	74	-24.76	272	226	H
3	* ** 5.15	20.46	ADV	34.1	-22.4	2.96	35.12	54	-18.88	-	-	272	226	H
4	* ** 5.1493	21.29	ADV	34.1	-22.4	2.96	35.95	54	-18.05	-	-	272	226	H

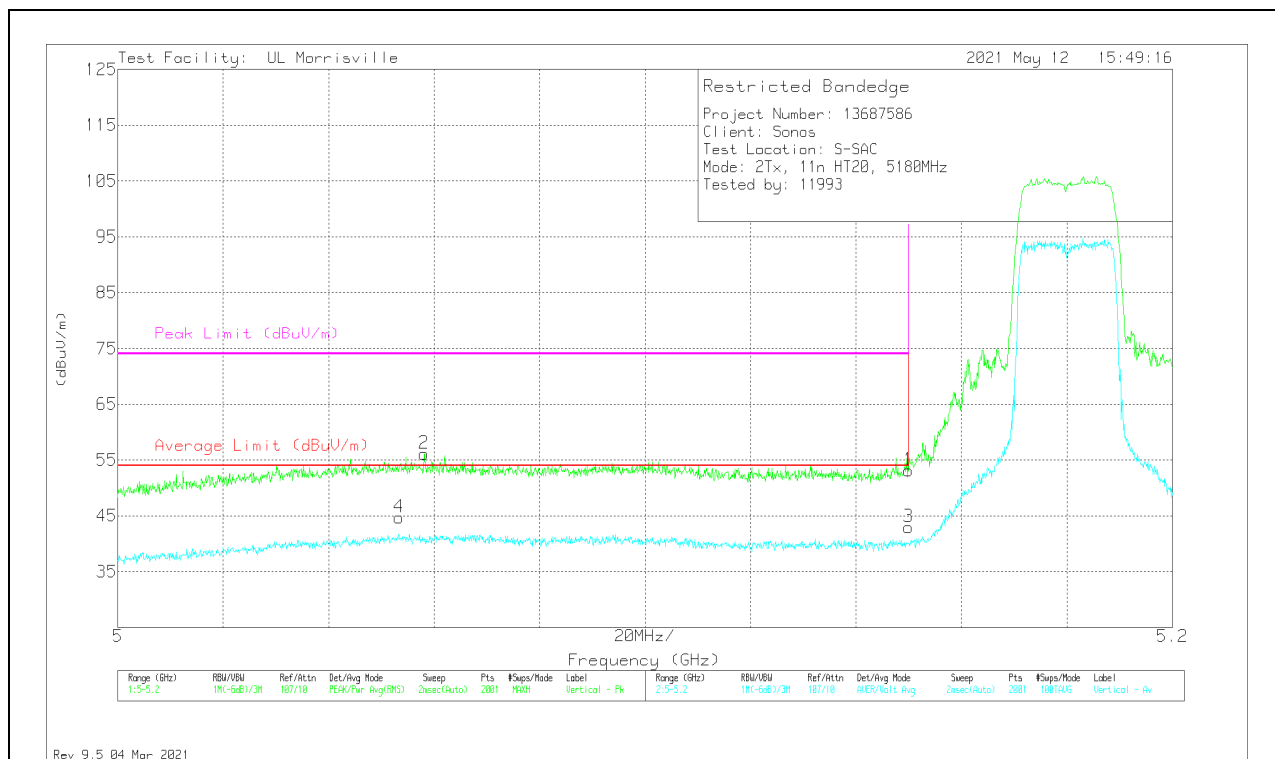
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - 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	* ** 5.15	41.45	Pk	34.1	-22.4	0	53.15	-	-	74	-20.85	73	104	V
2	* ** 5.0581	44.36	Pk	34.3	-22.5	0	56.16	-	-	74	-17.84	73	104	V
3	* ** 5.15	28.26	ADV	34.1	-22.4	2.96	42.92	54	-11.08	-	-	73	104	V
4	* ** 5.0533	29.8	ADV	34.3	-22.4	2.96	44.66	54	-9.34	-	-	73	104	V

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

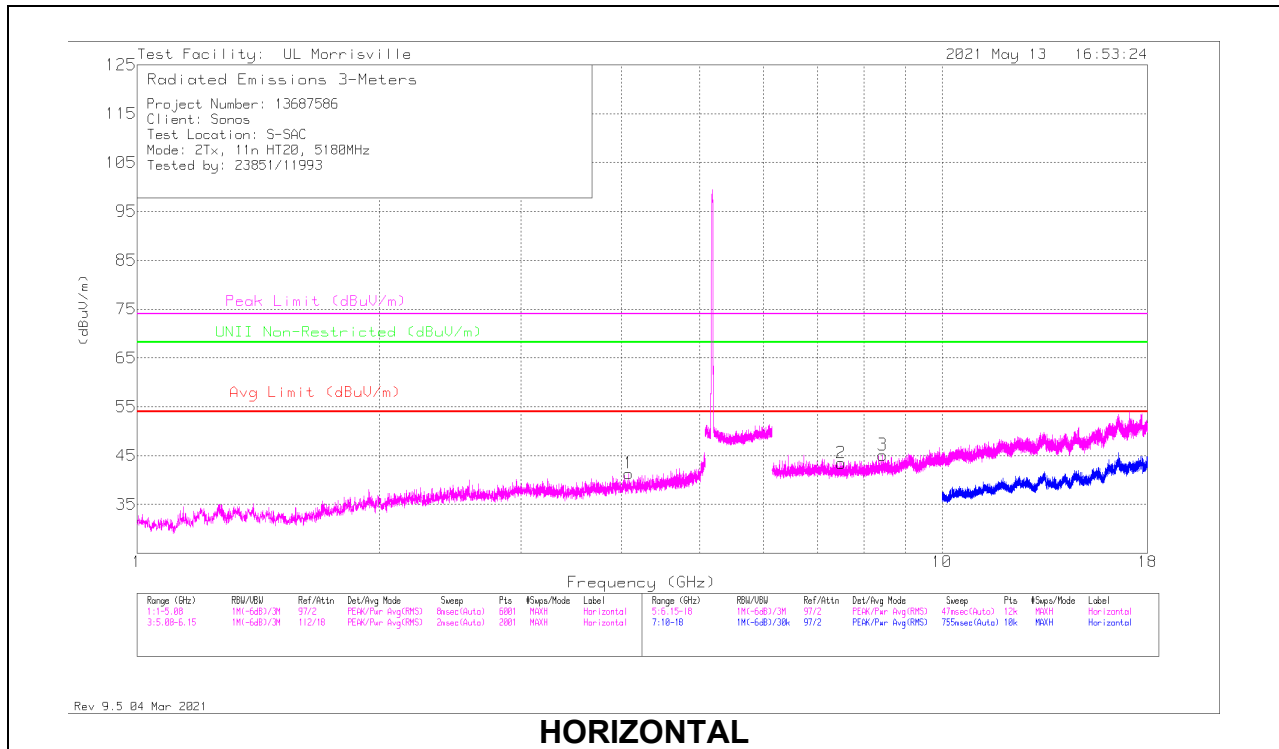
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

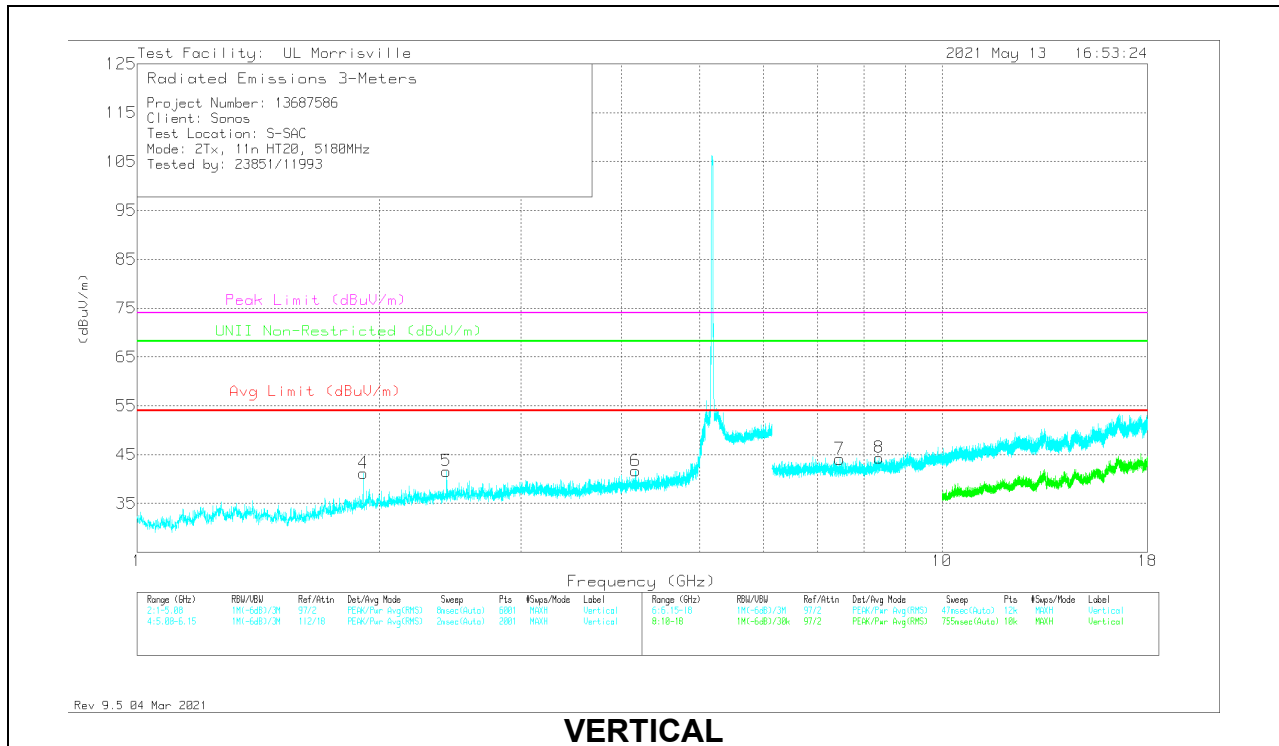
ADV - Linear Voltage Average

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

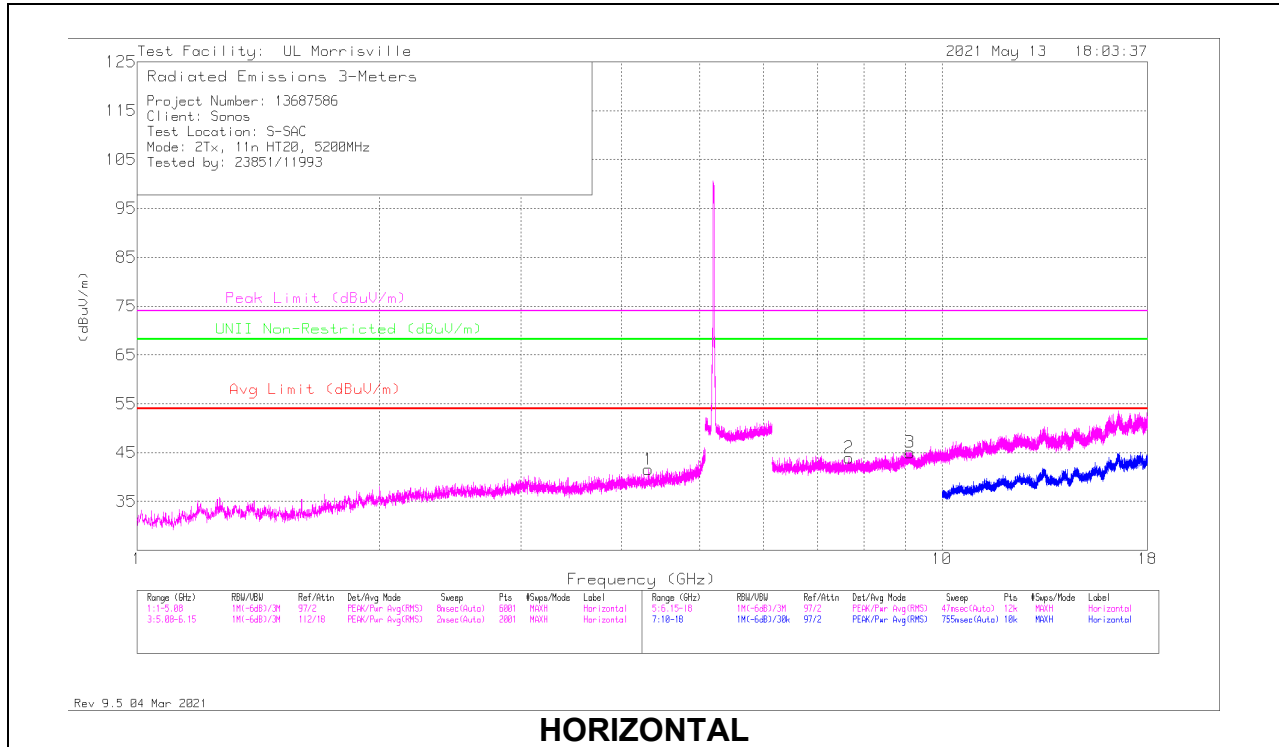
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/fltr/Par d (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 4.0804	40.15	Pk	33.6	-32.4	0	41.35	54	-12.65	74	-32.65	-	-	0-360	101	H
4	** 1.90916	44.47	Pk	30.9	-34.2	0	41.17	54	-12.83	74	-32.83	68.2	-27.03	0-360	101	V
6	* ** 4.16132	39.49	Pk	33.6	-31.4	0	41.69	54	-12.31	74	-32.31	-	-	0-360	200	V
2	* ** 7.49004	35.56	Pk	35.6	-27.7	0	43.46	54	-10.54	74	-30.54	-	-	0-360	101	H
3	* ** 8.43409	36.81	Pk	35.9	-27.6	0	45.11	54	-8.89	74	-28.89	-	-	0-360	200	H
7	* ** 7.4614	36.32	Pk	35.6	-27.8	0	44.12	54	-9.88	74	-29.88	-	-	0-360	200	V
8	* ** 8.35213	35.86	Pk	35.8	-27.3	0	44.36	54	-9.64	74	-29.64	-	-	0-360	101	V
5	2.42052	43.32	Pk	32.4	-34.1	0	41.62	-	-	-	-32.38	68.2	-26.58	0-360	101	V

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

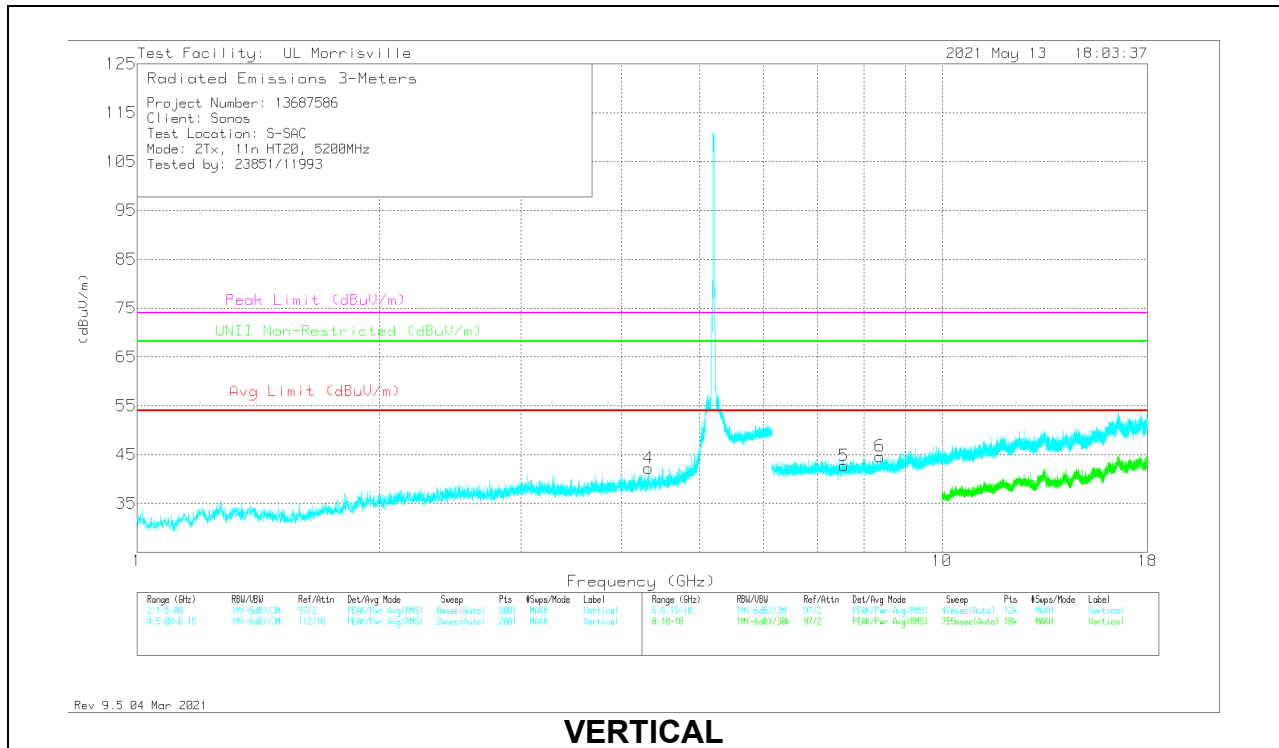
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

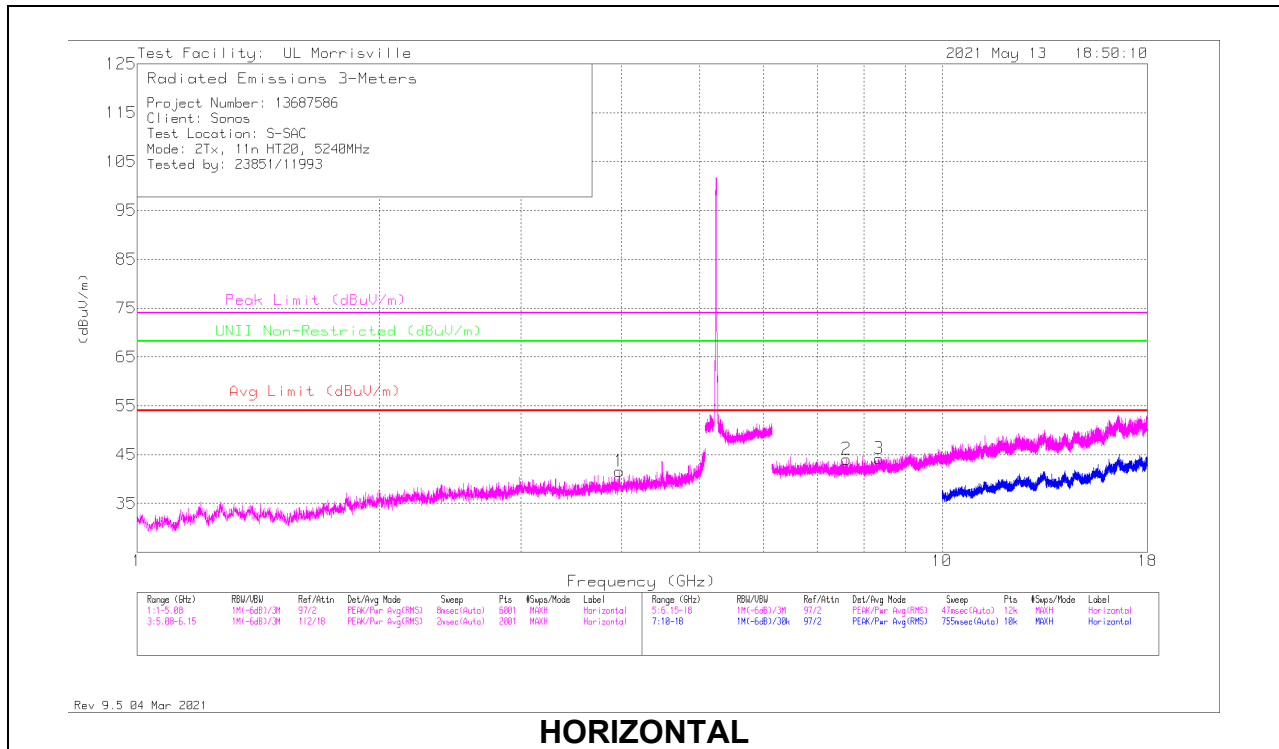
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 4.31568	39.64	Pk	33.7	-31.8	0	41.54	54	-12.46	74	-32.46	-	-	0-360	199	H
4	*** 4.32044	40.29	Pk	33.7	-31.8	0	42.19	54	-11.81	74	-31.81	-	-	0-360	101	V
2	*** 7.66088	36.11	Pk	35.7	-27.9	0	43.91	54	-10.09	74	-30.09	-	-	0-360	101	H
3	*** 9.12336	35.33	Pk	36.3	-26.6	0	45.03	54	-8.97	74	-28.97	-	-	0-360	199	H
5	*** 7.55916	34.5	Pk	35.7	-27.5	0	42.7	54	-11.3	74	-31.3	-	-	0-360	101	V
6	*** 8.37385	36.01	Pk	35.8	-27.2	0	44.61	54	-9.39	74	-29.39	-	-	0-360	199	V

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

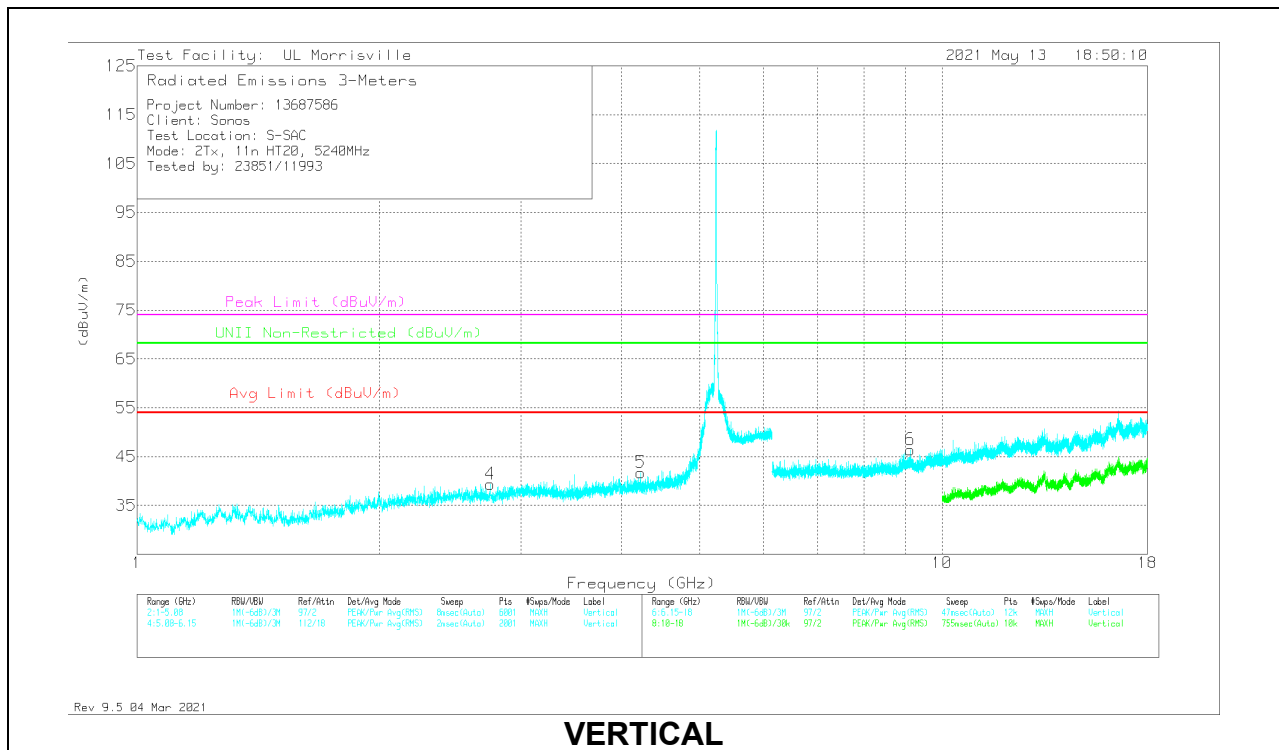
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (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	*** 3.97228	39.8	Pk	33.6	-31.8	0	41.6	54	-12.4	74	-32.4	-	-	0-360	101	H
4	*** 2.74556	40.57	Pk	32.5	-33.7	0	39.37	54	-14.63	74	-34.63	-	-	0-360	101	V
5	*** 4.22252	39.83	Pk	33.7	-31.8	0	41.73	54	-12.27	74	-32.27	-	-	0-360	199	V
2	*** 7.61446	36.26	Pk	35.6	-27.8	0	44.06	54	-9.94	74	-29.94	-	-	0-360	101	H
3	*** 8.35213	35.67	Pk	35.8	-27.3	0	44.17	54	-9.83	74	-29.83	-	-	0-360	199	H
6	*** 9.13521	36.82	Pk	36.3	-26.7	0	46.42	54	-7.58	74	-27.58	-	-	0-360	199	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

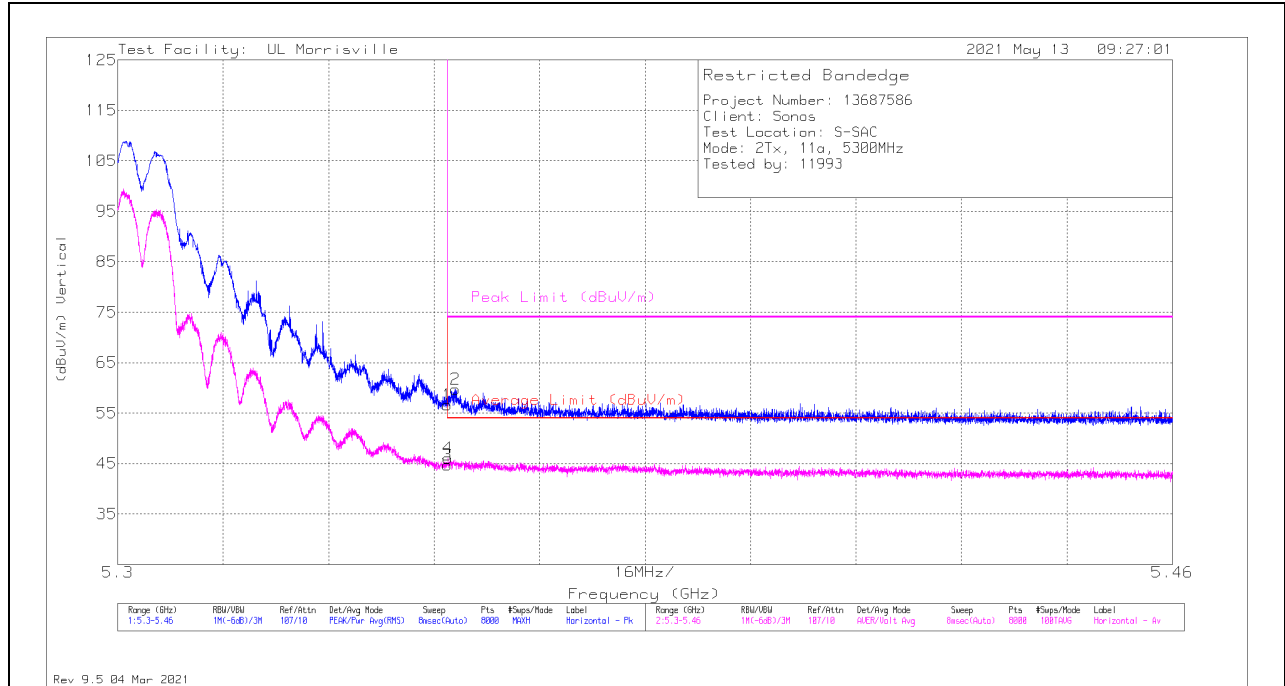
Pk - Peak detector

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

2TX Antenna 1 + Antenna 2 CDD MODE

BANDEDGE (HIGH CHANNEL, 5300 MHz)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	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	35.3	Pk	34.5	-23.2	10	0	56.6	-	-	74	-17.4	156	284	H
2	** 5.35119	38.44	Pk	34.5	-23.2	10	0	59.74	-	-	74	-14.26	156	284	H
3	*** 5.35001	20.59	ADV	34.5	-23.2	10	2.78	44.67	54	-9.33	-	-	156	284	H
4	** 5.35011	21.95	ADV	34.5	-23.2	10	2.78	46.03	54	-7.97	-	-	156	284	H

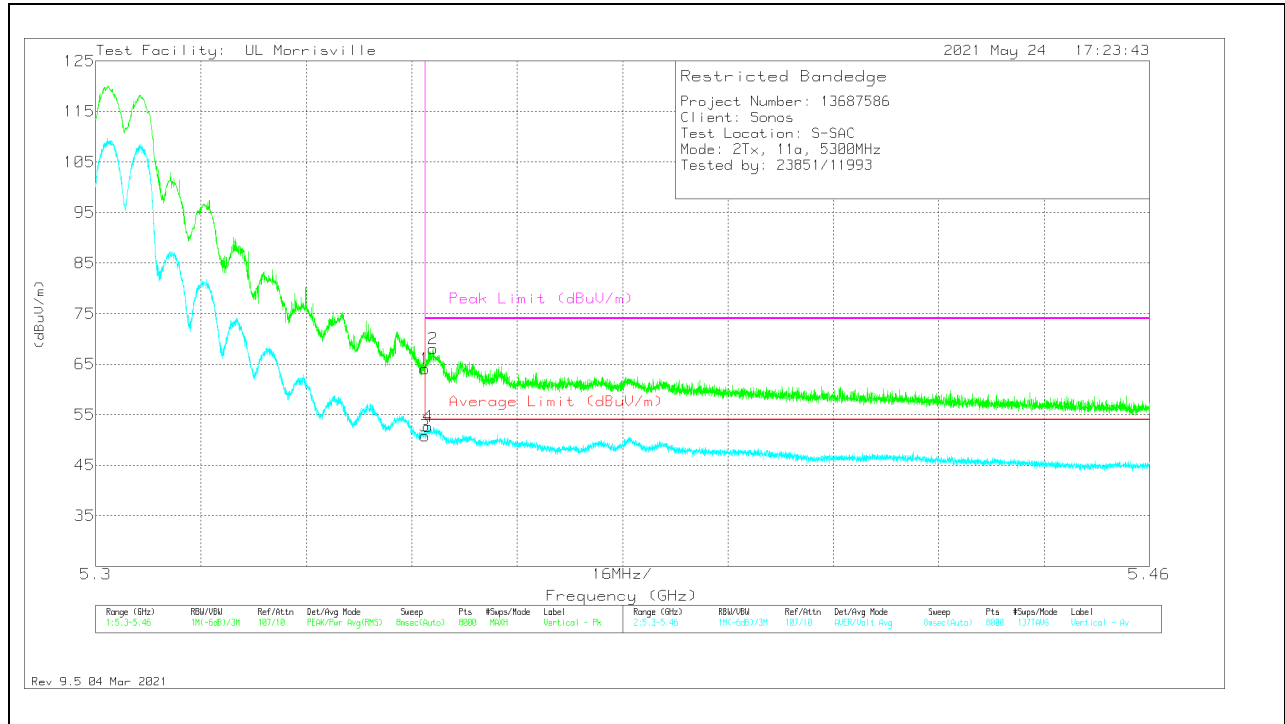
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT

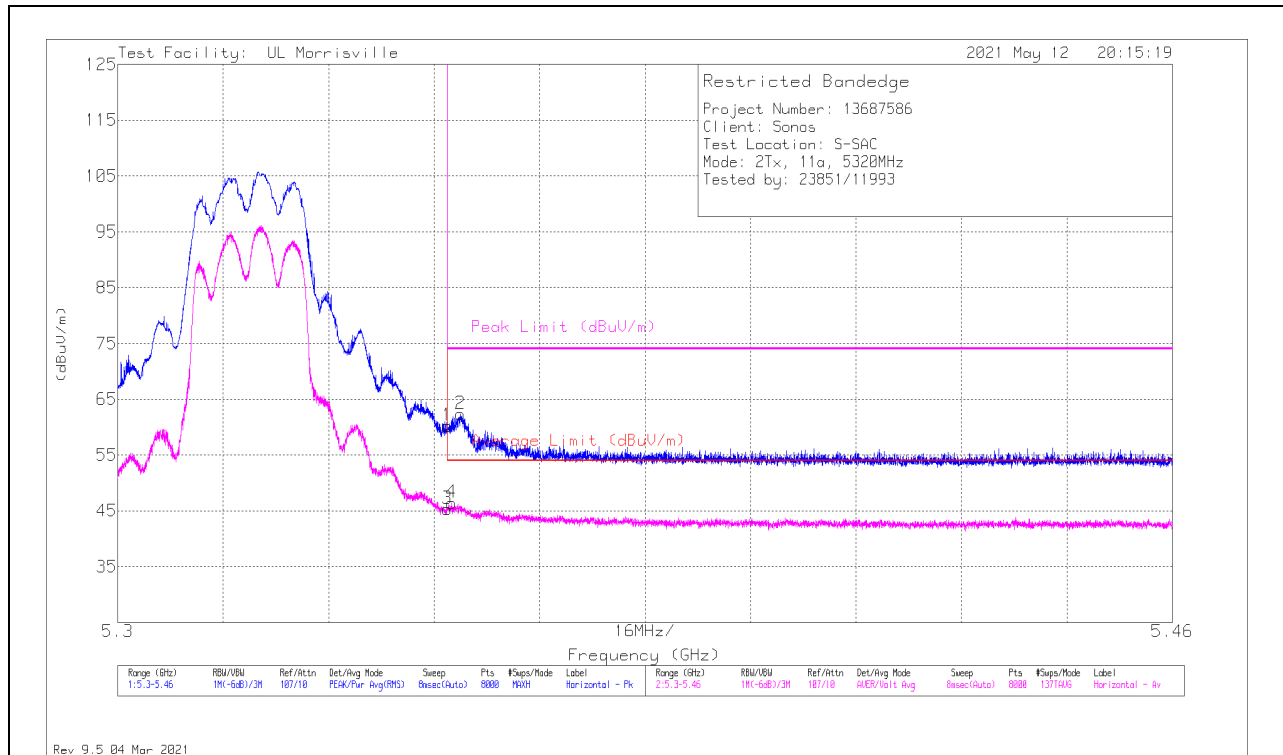


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 5.35001	42.82	Pk	34.5	-23.2	10	0	64.12	-	-	74	-9.88	26	101	V
2	*** 5.35119	46.77	Pk	34.5	-23.2	10	0	68.07	-	-	74	-5.93	26	101	V
3	*** 5.35001	26.74	ADV	34.5	-23.2	10	2.78	50.82	54	-3.18	-	-	26	101	V
4	*** 5.35049	28.57	ADV	34.5	-23.2	10	2.78	52.65	54	-1.35	-	-	26	101	V

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

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	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	38.96	Pk	34.5	-23.2	10	0	60.26	-	-	74	-13.74	165	314	H
2	*** 5.35203	41.02	Pk	34.5	-23.2	10	0	62.32	-	-	74	-11.68	165	314	H
3	** 5.35001	21.27	ADV	34.5	-23.2	10	2.78	45.35	54	-8.65	-	-	165	314	H
4	** 5.35065	22.31	ADV	34.5	-23.2	10	2.78	46.39	54	-7.61	-	-	165	314	H

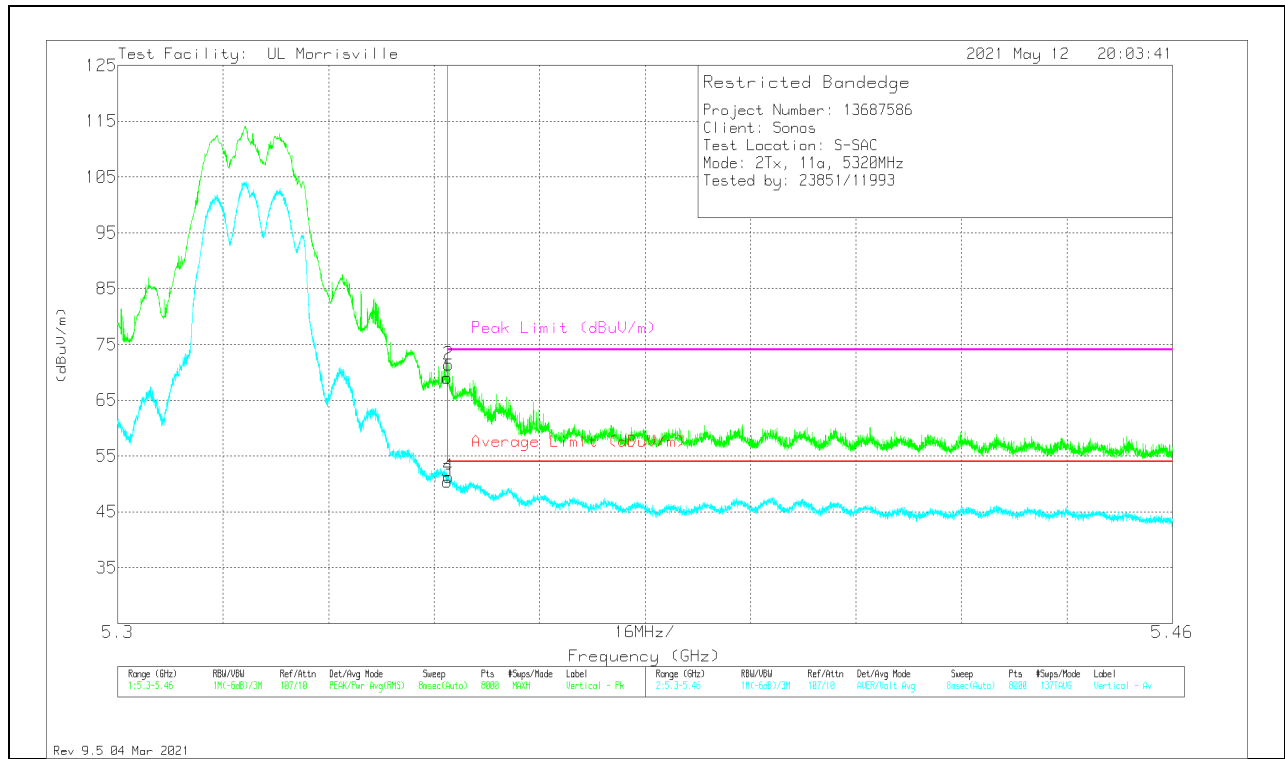
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



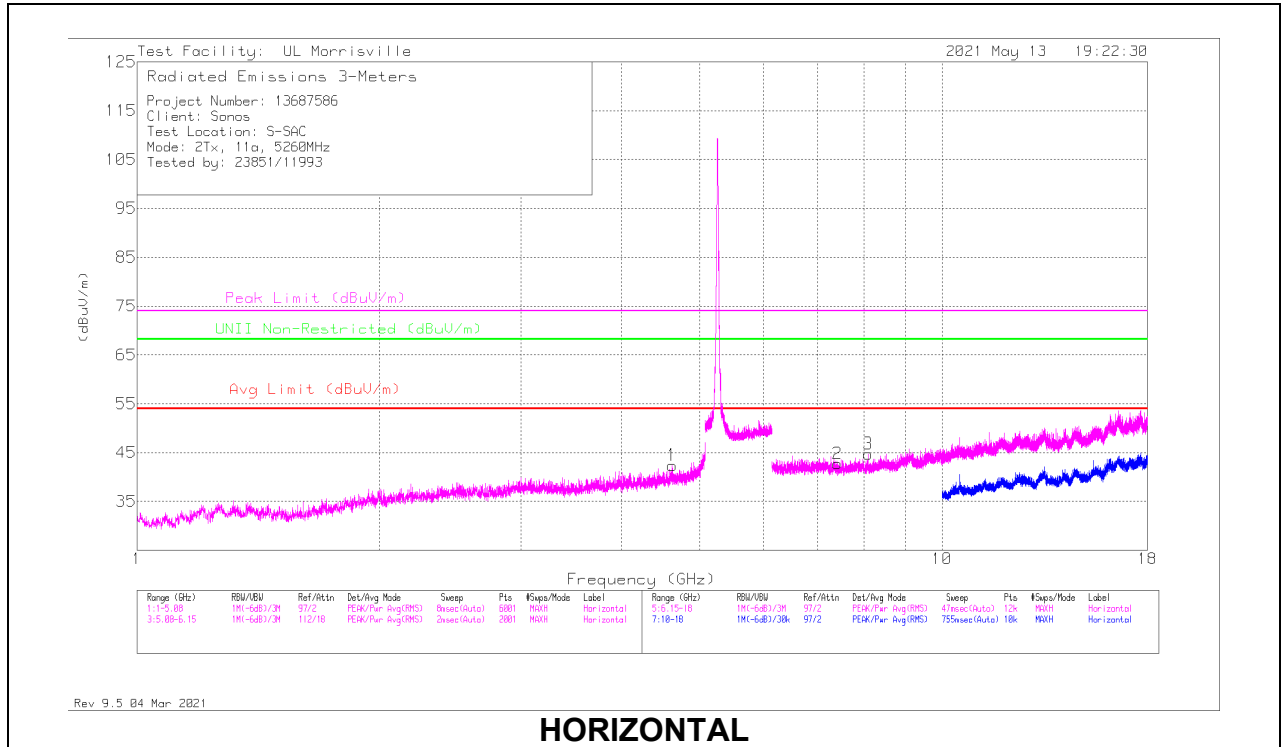
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cb/Filtr/Pad (dB)	Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 5.35001	47.71	Pk	34.5	-23.2	10	0	69.01	-	-	74	-4.99	39	266	V
2	*** 5.35019	50.11	Pk	34.5	-23.2	10	0	71.41	-	-	74	-2.59	39	266	V
3	*** 5.35001	26.3	ADV	34.5	-23.2	10	2.78	50.38	54	-3.62	-	-	39	265	V
4	** 5.35017	27.24	ADV	34.5	-23.2	10	2.78	51.32	54	-2.68	-	-	39	265	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

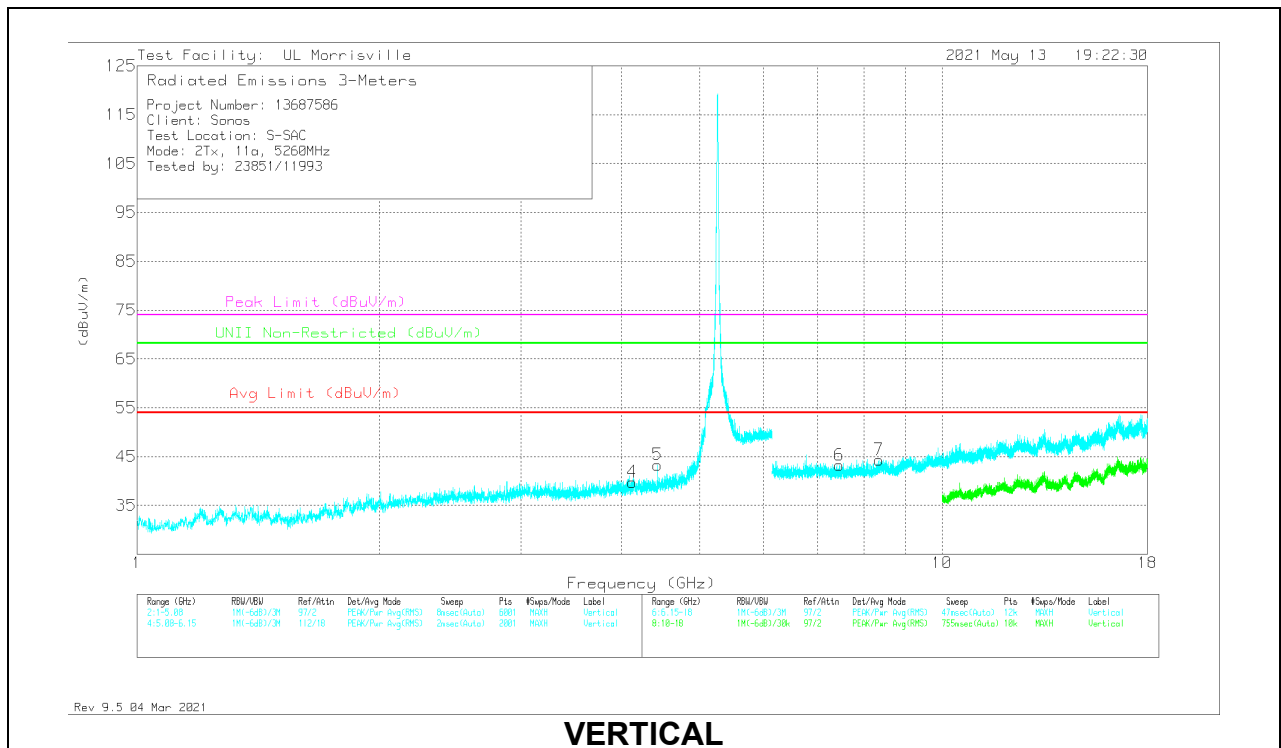
HARMONICS AND SPURIOUS EMISSIONS

Note – Low and High Channels were tested at Mid Channel power levels.

LOW CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

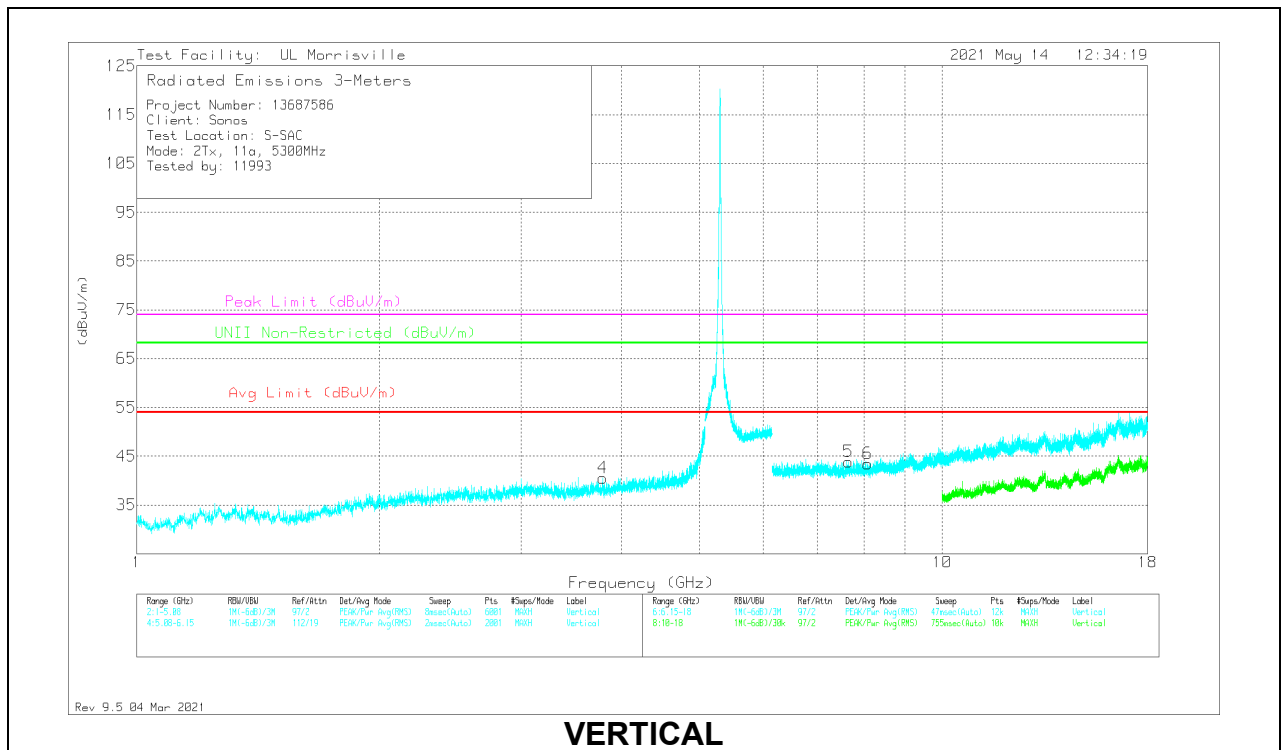
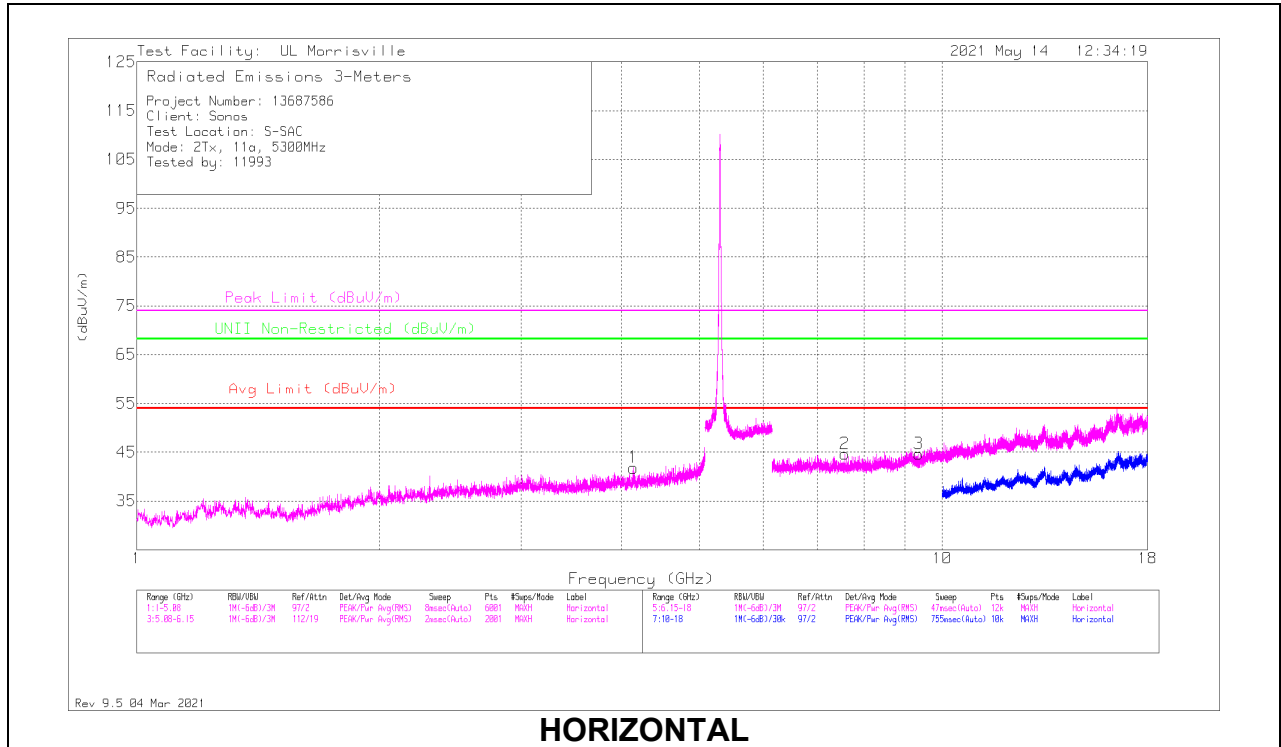
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 4.62236	39.59	Pk	34.1	-31.3	0	42.39	54	-11.61	74	-31.61	-	-	0-360	101	H
4	*** 4.1212	37.84	Pk	33.6	-31.7	0	39.74	54	-14.26	74	-34.26	-	-	0-360	101	V
2	*** 7.41301	35.21	Pk	35.7	-28.2	0	42.71	54	-11.29	74	-31.29	-	-	0-360	101	H
3	*** 8.1013	36.19	Pk	35.9	-27.4	0	44.69	54	-9.31	74	-29.31	-	-	0-360	200	H
6	*** 7.45251	35.52	Pk	35.6	-27.9	0	43.22	54	-10.78	74	-30.78	-	-	0-360	101	V
7	*** 8.35608	35.81	Pk	35.8	-27.3	0	44.31	54	-9.69	74	-29.69	-	-	0-360	101	V
5	4.42992	40.82	Pk	33.7	-31.2	0	43.32	-	-	-	-	68.2	-24.88	0-360	200	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

MID CHANNEL RESULTS



RADIATED EMISSIONS

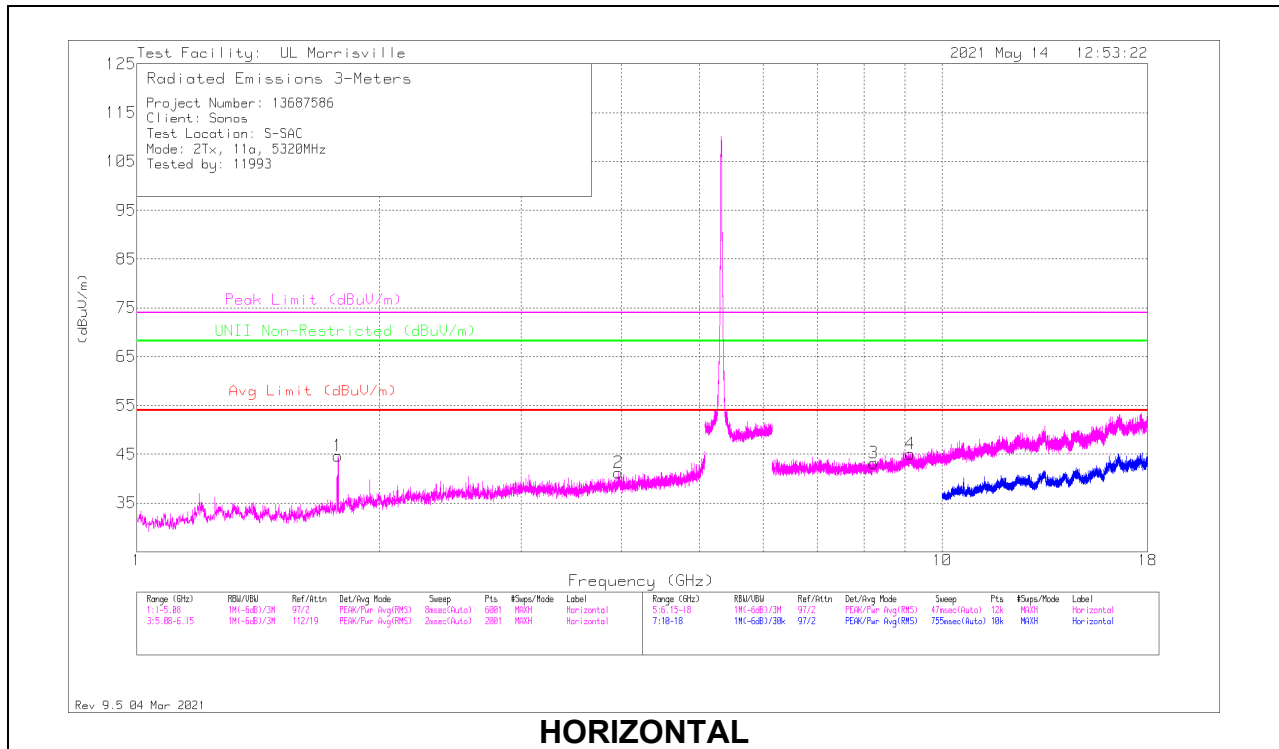
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/fltr/ Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Pol.
1	*** 4.13888	39.89	Pk	33.5	-31.6	0	41.79	54	-12.21	74	-32.21	-	-	0-360	199	H
4	*** 3.79276	40.24	Pk	33.2	-32.9	0	40.54	54	-13.46	74	-33.46	-	-	0-360	101	V
2	*** 7.57101	36.51	Pk	35.6	-27.5	0	44.61	54	-9.39	74	-29.39	-	-	0-360	199	H
3	*** 9.3574	34.97	Pk	36.5	-26.8	0	44.67	54	-9.33	74	-29.33	-	-	0-360	199	H
5	*** 7.65693	36.07	Pk	35.7	-27.9	0	43.87	54	-10.13	74	-30.13	-	-	0-360	200	V
6	*** 8.08451	35.06	Pk	35.9	-27.5	0	43.46	54	-10.54	74	-30.54	-	-	0-360	200	V

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

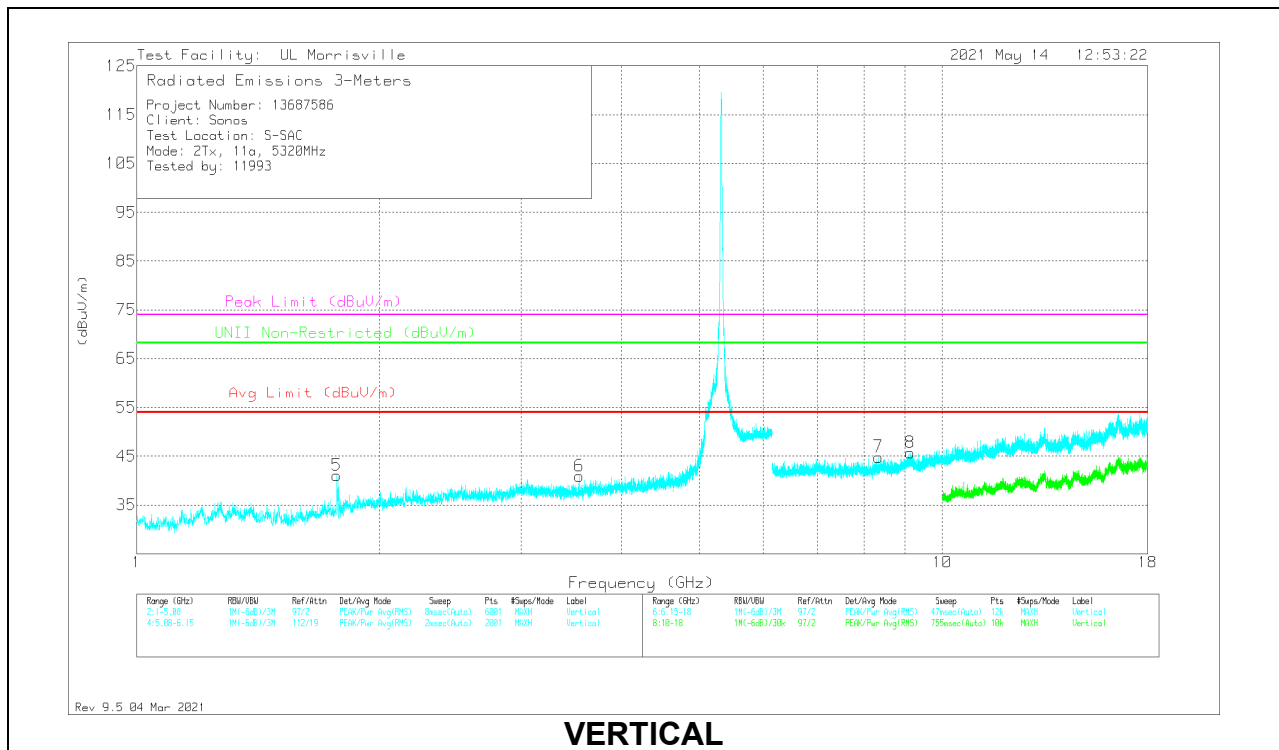
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (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	** 1.7786	49.66	Pk	29.7	-34.7	0	44.66	54	-9.34	74	-29.34	-	-	0-360	199	H
2	*** 3.96344	39.39	Pk	33.6	-31.8	0	41.19	54	-12.81	74	-32.81	-	-	0-360	101	H
5	** 1.7718	46.13	Pk	29.6	-34.7	0	41.03	54	-12.97	74	-32.97	-	-	0-360	199	V
6	*** 3.5466	41.46	Pk	32.7	-33.2	0	40.96	54	-13.04	74	-33.04	-	-	0-360	101	V
3	*** 8.22474	35.06	Pk	35.8	-27.7	0	43.16	54	-10.84	74	-30.84	-	-	0-360	101	H
4	*** 9.13916	35.48	Pk	36.3	-26.7	0	45.08	54	-8.92	74	-28.92	-	-	0-360	199	H
7	*** 8.34126	36.44	Pk	35.8	-27.4	0	44.84	54	-9.16	74	-29.16	-	-	0-360	199	V
8	*** 9.12633	36.06	Pk	36.3	-26.6	0	45.76	54	-8.24	74	-28.24	-	-	0-360	199	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

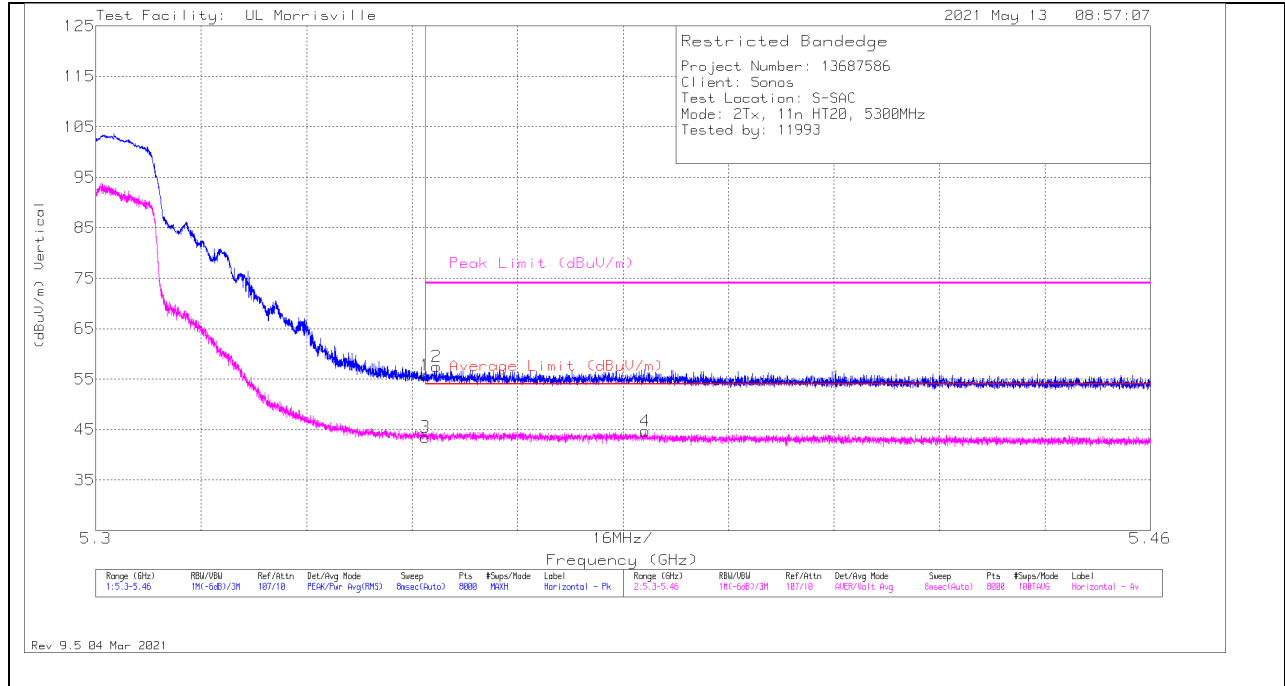
Pk - Peak detector

10.1.4. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.3 GHz BAND

2TX Antenna 1 + Antenna 2 CDD MODE

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	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	34.5	Pk	34.5	-23.2	10	0	55.8	-	-	74	-18.2	6	118	H
2	** 5.35171	36.2	Pk	34.5	-23.2	10	0	57.5	-	-	74	-16.5	6	118	H
3	** 5.35001	19.26	ADV	34.5	-23.2	10	2.96	43.52	54	-10.48	-	-	6	118	H
4	** 5.38341	20.42	ADV	34.5	-23.3	10.1	2.96	44.68	54	-9.32	-	-	6	118	H

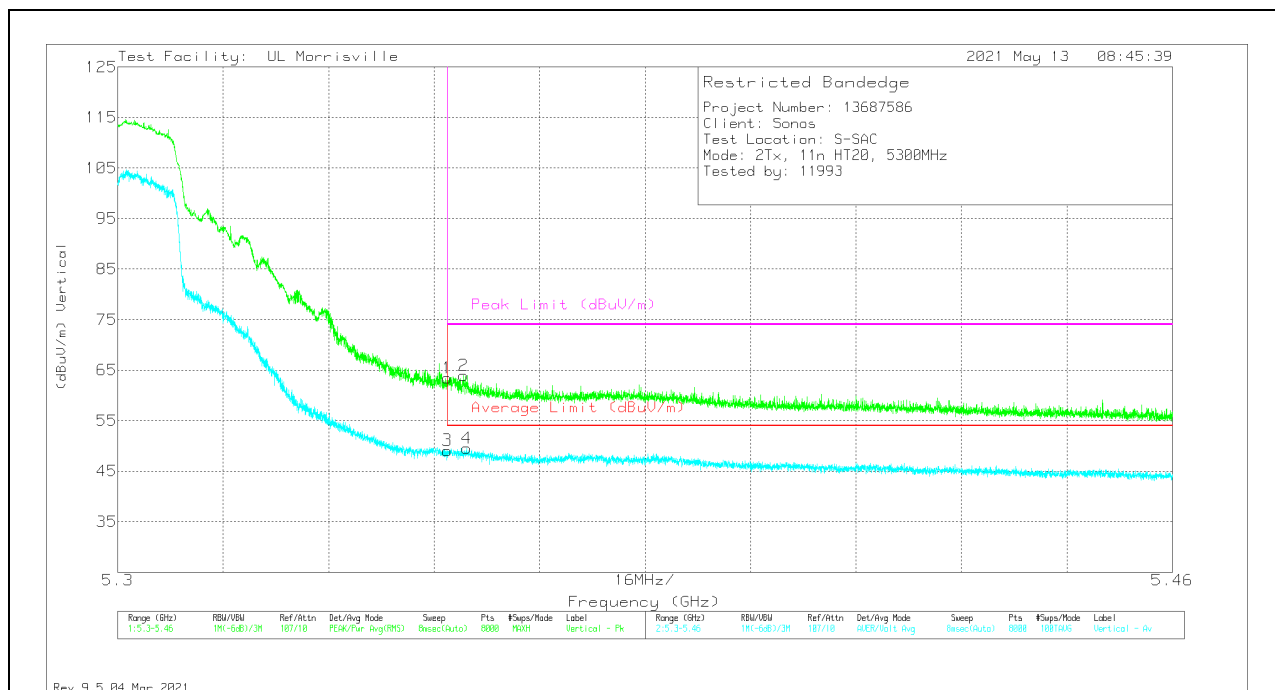
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	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	42.12	Pk	34.5	-23.2	10	0	63.42	-	-	74	-10.58	67	108	V
2	** 5.35243	42.67	Pk	34.5	-23.2	10	0	63.97	-	-	74	-10.03	67	108	V
3	*** 5.35001	24.85	ADV	34.5	-23.2	10	2.96	49.11	54	-4.89	-	-	67	108	V
4	*** 5.35297	25.29	ADV	34.5	-23.2	10	2.96	49.55	54	-4.45	-	-	67	108	V

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

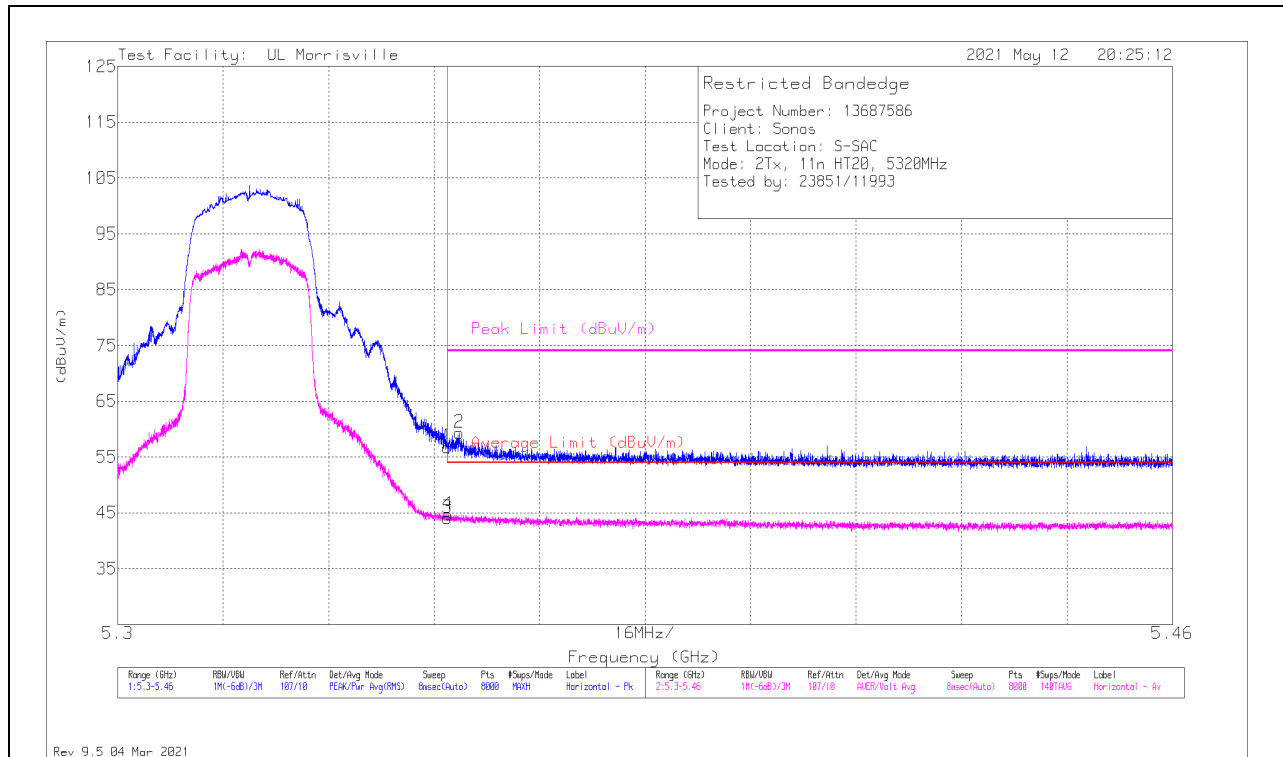
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

BANDEDGE (HIGH CHANNEL)

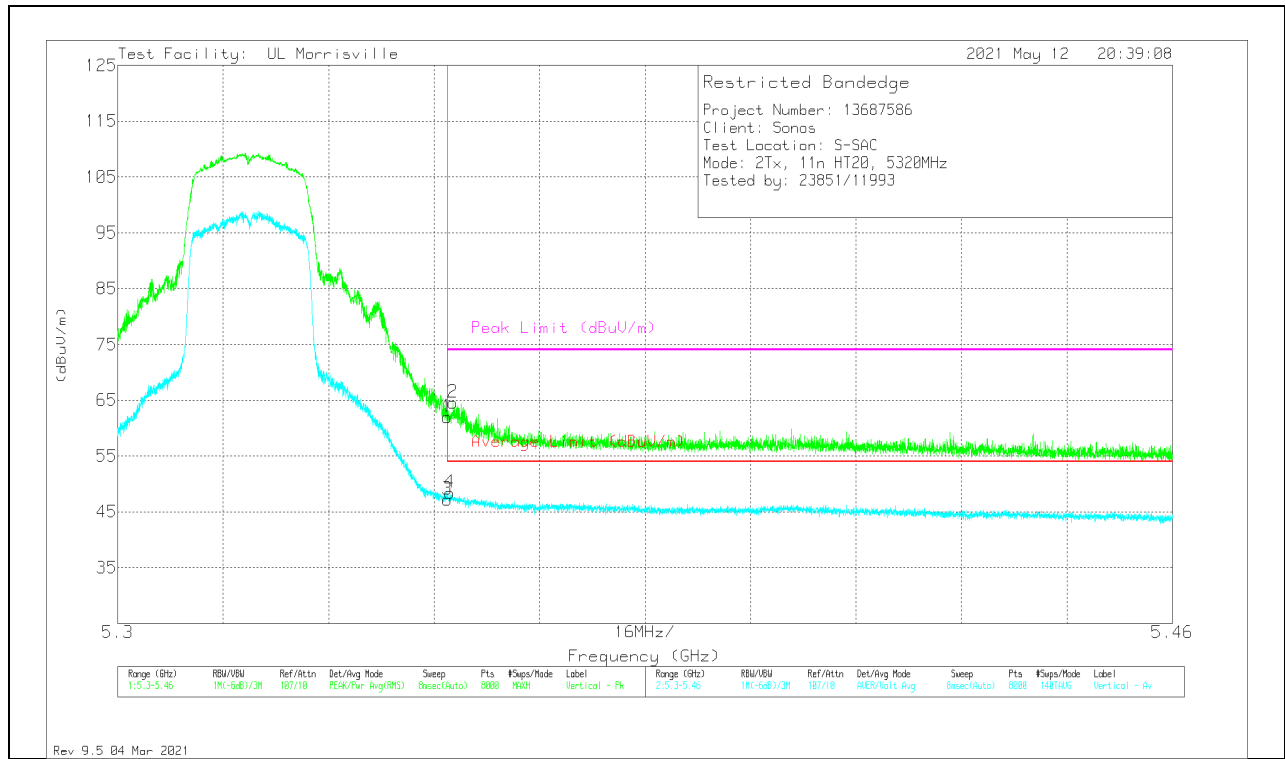
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	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	35.51	Pk	34.5	-23.2	10	0	56.81	-	-	74	-17.19	245	282	H
2	** 5.35177	38.08	Pk	34.5	-23.2	10	0	59.38	-	-	74	-14.62	245	282	H
3	*** 5.35001	19.85	ADV	34.5	-23.2	10	2.96	44.11	54	-9.89	-	-	245	282	H
4	*** 5.35005	20.42	ADV	34.5	-23.2	10	2.96	44.68	54	-9.32	-	-	245	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



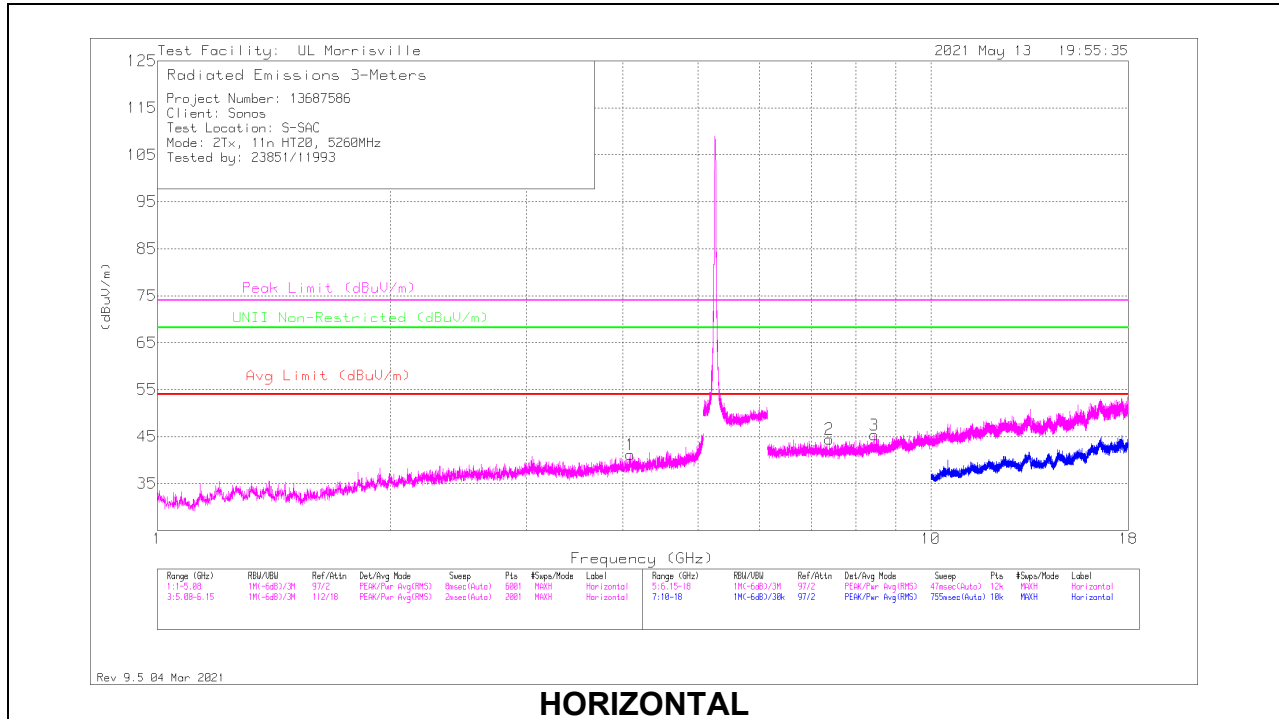
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cb/Filtr/Pad (dB)	Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 5.35001	40.66	Pk	34.5	-23.2	10	0	61.96	-	-	74	-12.04	48	100	V
2	*** 5.35087	43.24	Pk	34.5	-23.2	10	0	64.54	-	-	74	-9.46	48	100	V
3	*** 5.35001	22.97	ADV	34.5	-23.2	10	2.96	47.23	54	-6.77	-	-	48	100	V
4	** 5.35039	24.15	ADV	34.5	-23.2	10	2.96	48.41	54	-5.59	-	-	48	100	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

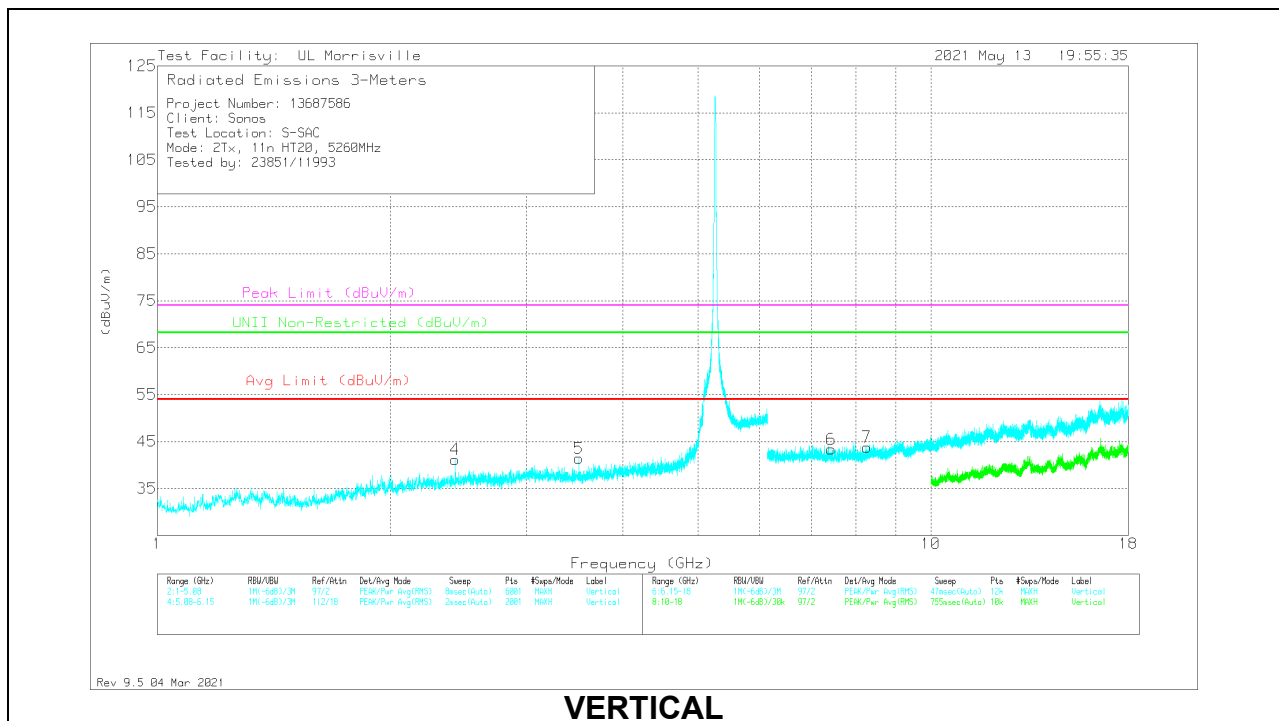
HARMONICS AND SPURIOUS EMISSIONS

Note – Low and High Channels were tested at Mid Channel power levels.

LOW CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

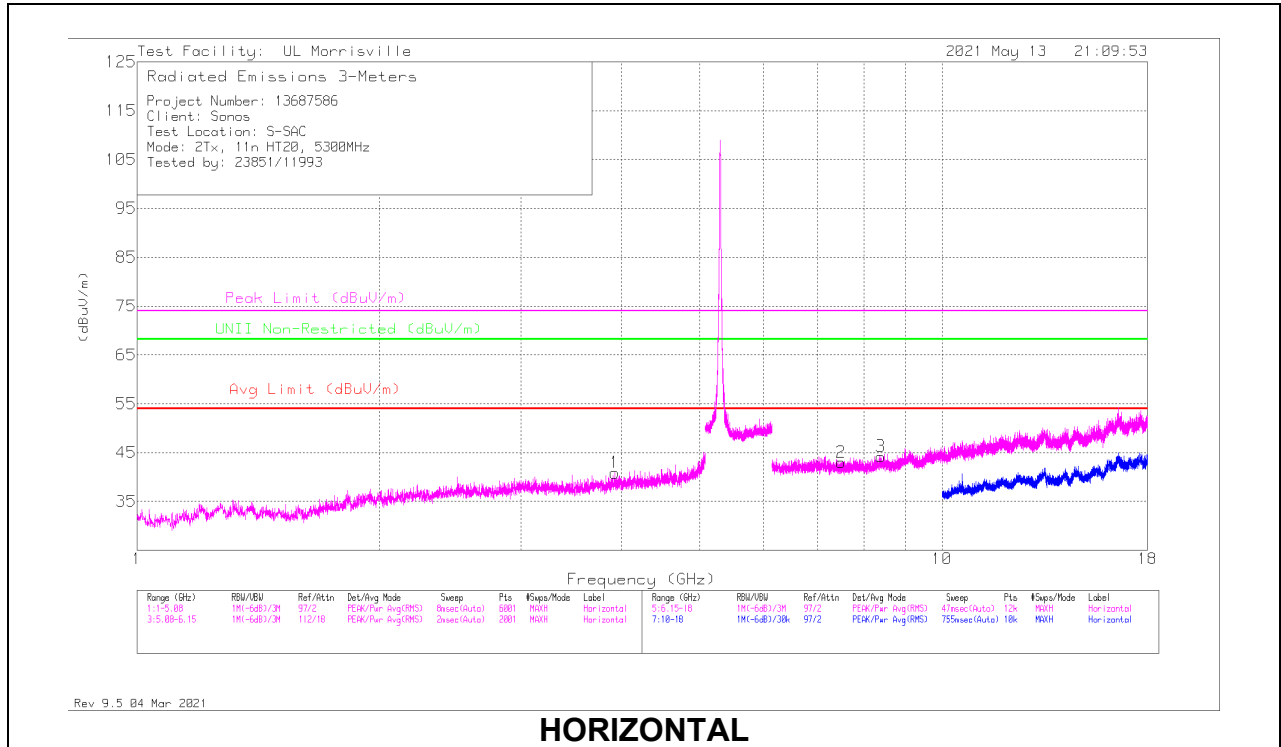
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 4.0872	39.76	Pk	33.6	-32.2	0	41.16	54	-12.84	74	-32.84	-	-	0-360	101	H
5	* ** 3.50716	41.71	Pk	32.9	-33.2	0	41.41	54	-12.59	74	-32.59	-	-	0-360	101	V
2	* ** 7.39129	37.03	Pk	35.7	-28.3	0	44.43	54	-9.57	74	-29.57	-	-	0-360	199	H
3	* ** 8.45483	37.12	Pk	35.9	-27.7	0	45.32	54	-8.68	74	-28.68	-	-	0-360	199	H
6	* ** 7.43375	35.87	Pk	35.6	-28.1	0	43.37	54	-10.63	74	-30.63	-	-	0-360	200	V
7	* ** 8.2672	35.69	Pk	35.9	-27.8	0	43.79	54	-10.21	74	-30.21	-	-	0-360	200	V
4	2.42732	42.97	Pk	32.3	-34.1	0	41.17	-	-	-	-	68.2	-27.03	0-360	101	V

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

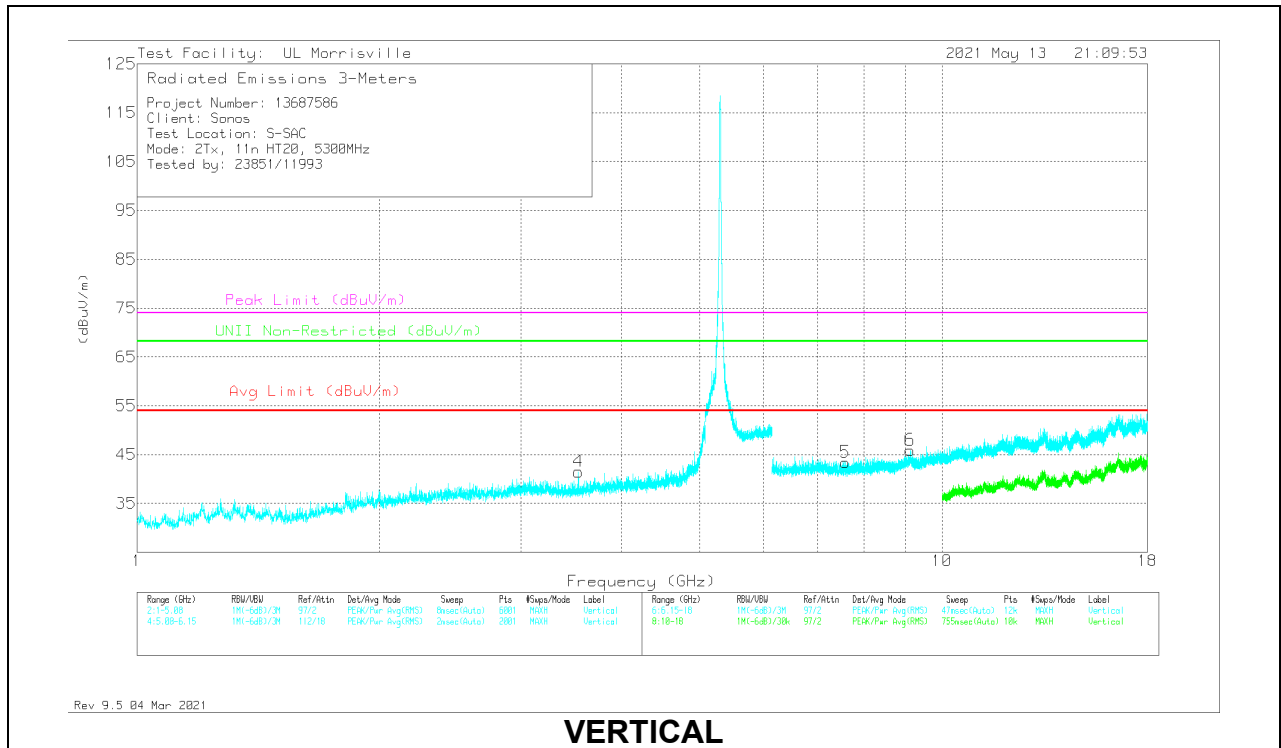
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

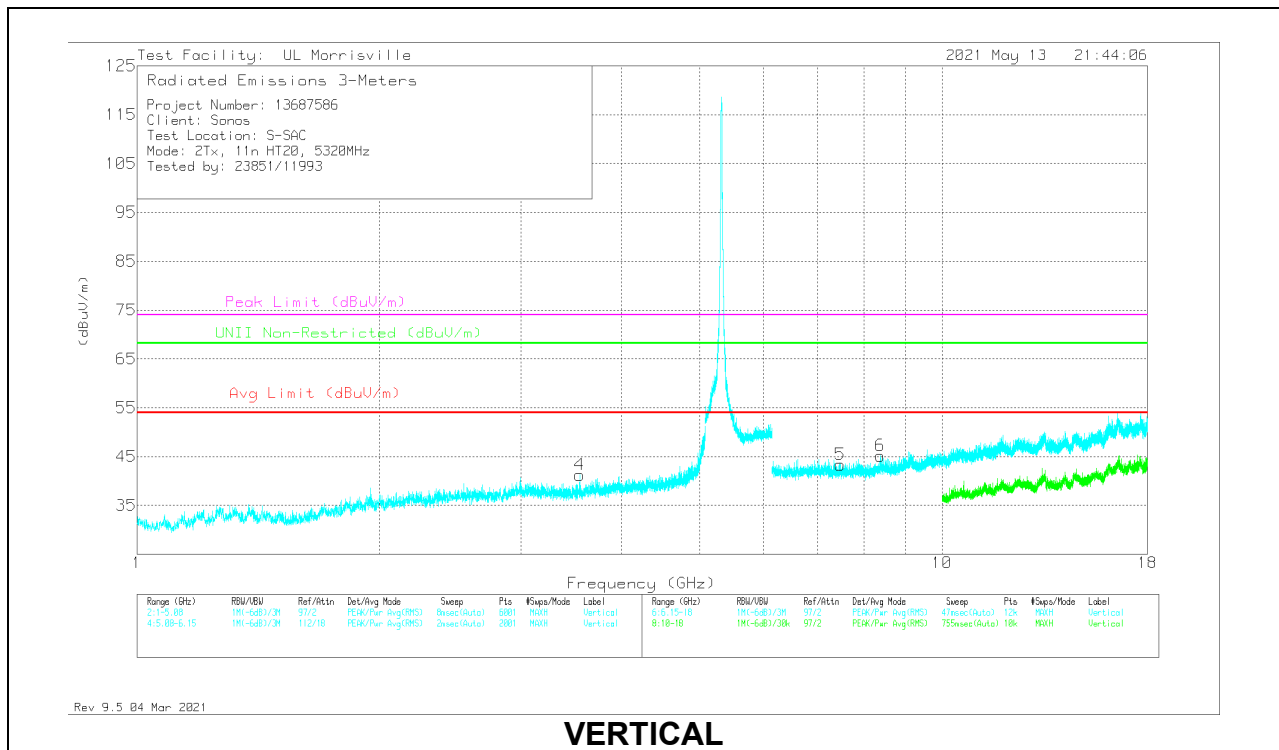
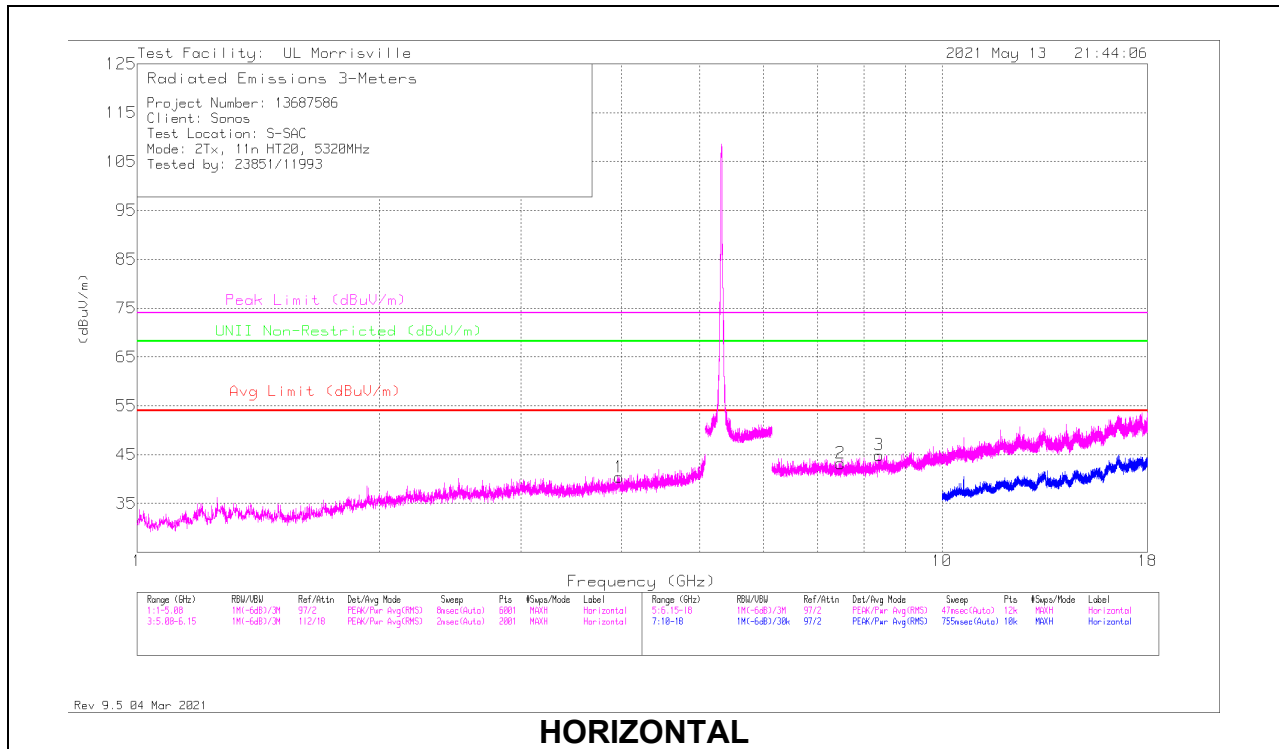
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 3.9206	39.47	Pk	33.5	-32.1	0	40.87	54	-13.13	74	-33.13	-	-	0-360	101	H
4	* ** 3.53368	42.1	Pk	32.7	-33.3	0	41.5	54	-12.5	74	-32.5	-	-	0-360	101	V
2	* ** 7.49399	35.08	Pk	35.6	-27.7	0	42.98	54	-11.02	74	-31.02	-	-	0-360	200	H
3	* ** 8.39459	35.57	Pk	35.9	-27.3	0	44.17	54	-9.83	74	-29.83	-	-	0-360	101	H
5	* ** 7.58286	35.39	Pk	35.6	-27.6	0	43.39	54	-10.61	74	-30.61	-	-	0-360	101	V
6	* ** 9.12731	36.19	Pk	36.3	-26.6	0	45.89	54	-8.11	74	-28.11	-	-	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 RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (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	*** 3.9682	38.47	Pk	33.6	-31.7	0	40.37	54	-13.63	74	-33.63	-	-	0-360	101	H
4	*** 3.5466	41.74	Pk	32.7	-33.2	0	41.24	54	-12.76	74	-32.76	-	-	0-360	101	V
2	*** 7.47523	35.41	Pk	35.6	-27.8	0	43.21	54	-10.79	74	-30.79	-	-	0-360	101	H
3	*** 8.34719	36.48	Pk	35.8	-27.4	0	44.88	54	-9.12	74	-29.12	-	-	0-360	101	H
5	*** 7.47325	35.54	Pk	35.6	-27.8	0	43.34	54	-10.66	74	-30.66	-	-	0-360	101	V
6	*** 8.3778	36.57	Pk	35.8	-27.2	0	45.17	54	-8.83	74	-28.83	-	-	0-360	101	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

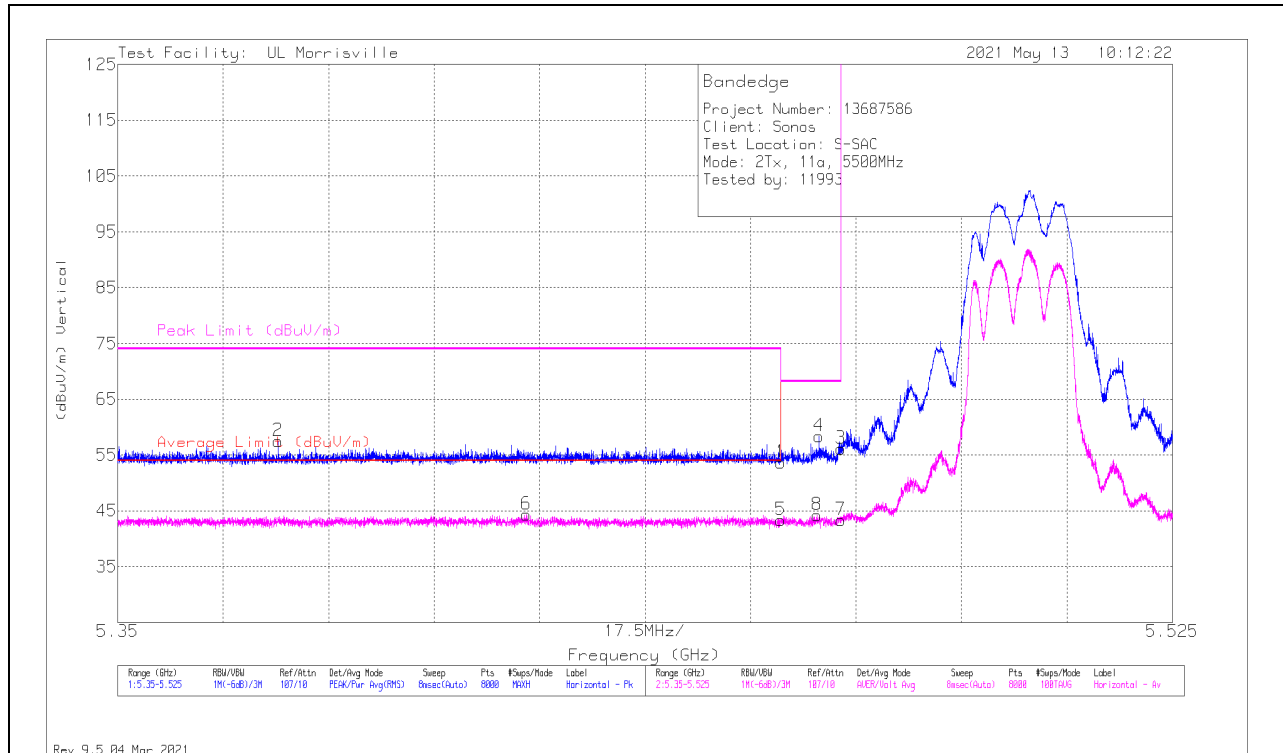
Pk - Peak detector

10.1.5. TX ABOVE 1 GHz 802.11a MODE IN THE 5.6 GHz BAND

2TX Antenna 1 + Antenna 2 CDD MODE

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cb/Filtr/Pad (dB)	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	*** 5.45998	32.51	Pk	34.6	-23.5	10	0	53.61	-	-	74	-20.39	12	319	H
2	*** 5.37663	36.18	Pk	34.5	-23.3	10.1	0	57.48	-	-	74	-16.52	12	319	H
5	*** 5.45998	19.5	ADV	34.6	-23.5	10	2.78	43.38	54	-10.62	-	-	12	319	H
6	*** 5.41776	20.33	ADV	34.5	-23.3	10	2.78	44.31	54	-9.69	-	-	12	319	H
8	5.466	20.37	ADV	34.6	-23.6	10.1	2.78	44.25	-	-	-	-	12	319	H
4	5.46637	37.21	Pk	34.6	-23.6	10.1	0	58.31	-	-	68.2	-9.89	12	319	H
3	5.46998	34.97	Pk	34.6	-23.5	10.1	0	56.17	-	-	68.2	-12.03	12	319	H
7	5.46998	19.32	ADV	34.6	-23.5	10.1	2.78	43.3	-	-	-	-	12	319	H

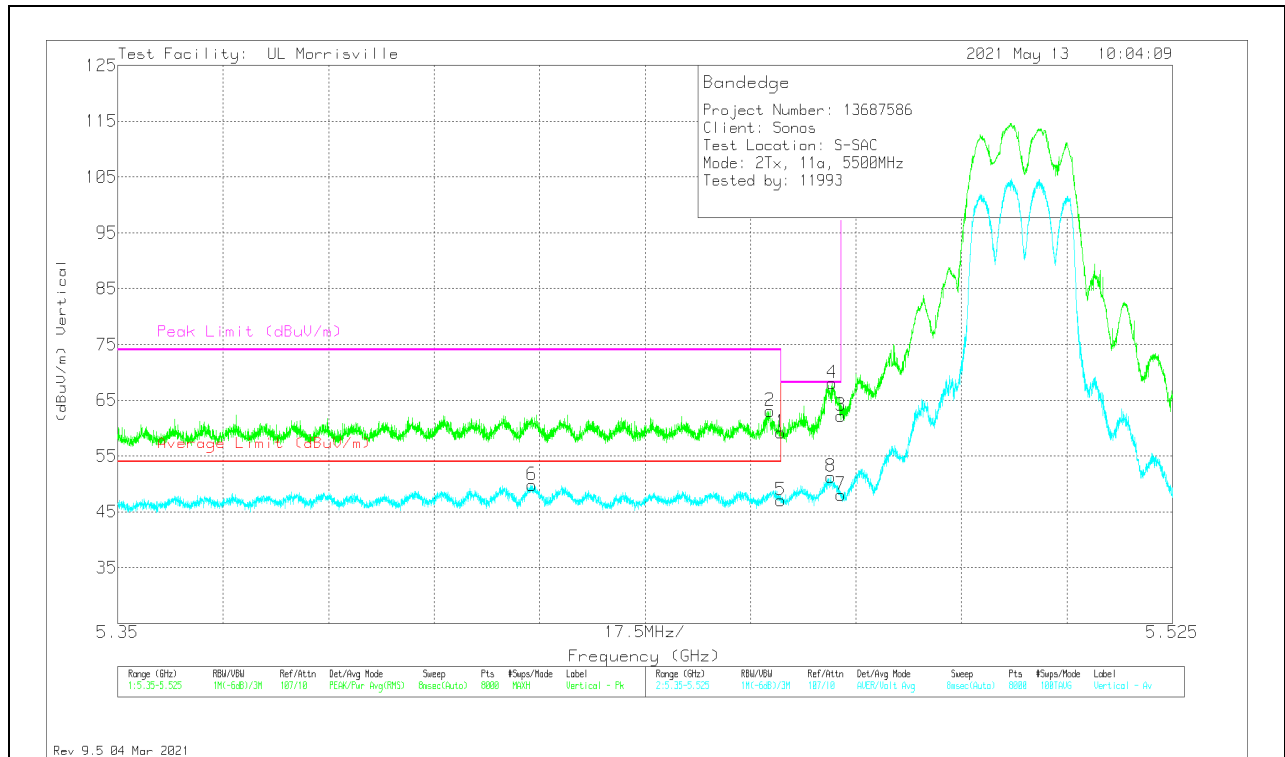
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - 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/Cb/Filtr/Pad (dB)	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	*** 5.45998	38.12	Pk	34.6	-23.5	10	0	59.22	-	-	74	-14.78	30	106	V
2	*** 5.45823	41.99	Pk	34.6	-23.5	10	0	63.09	-	-	74	-10.91	30	106	V
5	*** 5.45998	23.13	ADV	34.6	-23.5	10	2.78	47.01	54	-6.99	-	-	30	106	V
6	*** 5.4187	25.79	ADV	34.5	-23.3	10	2.78	49.77	54	-4.23	-	-	30	106	V
8	5.46832	27.47	ADV	34.6	-23.6	10	2.78	51.25	-	-	-	-	30	106	V
4	5.46851	46.9	Pk	34.6	-23.5	10	0	68	-	-	68.2	-2	30	106	V
3	5.46998	40.98	Pk	34.6	-23.5	10.1	0	62.18	-	-	68.2	-6.02	30	106	V
7	5.46998	24.07	ADV	34.6	-23.5	10.1	2.78	48.05	-	-	-	-	30	106	V

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

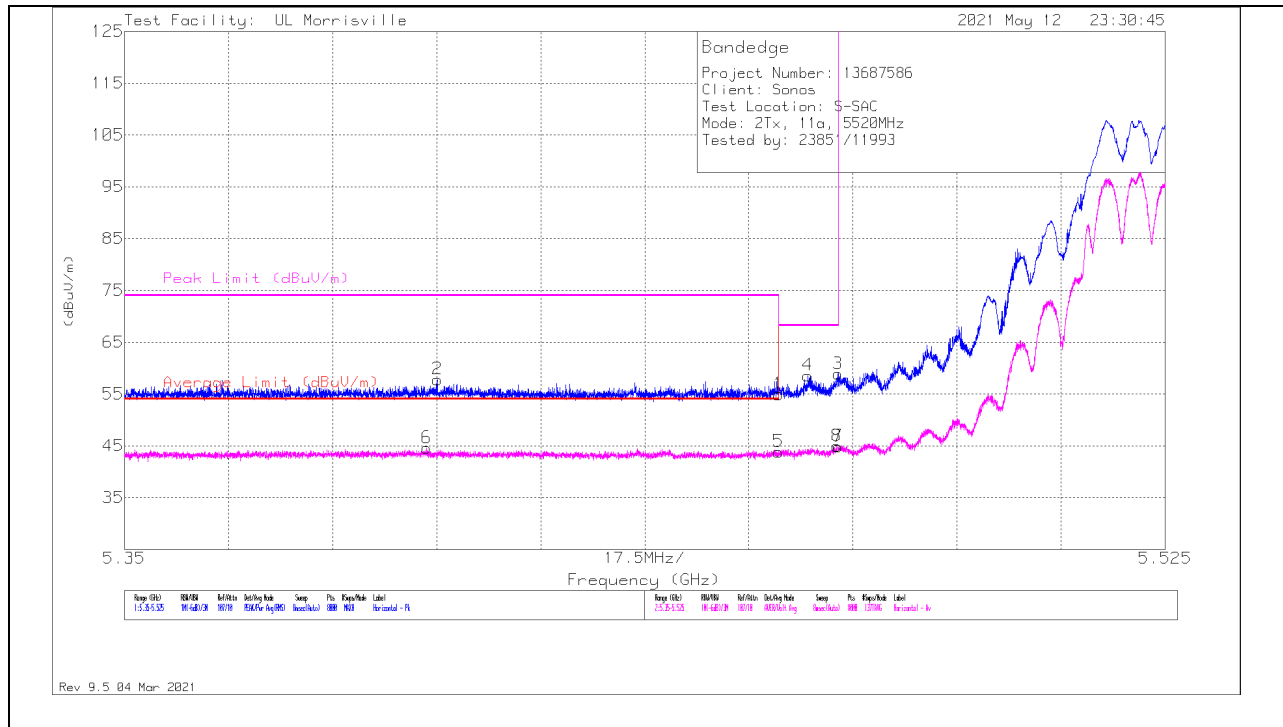
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

BANDEGE (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	*** 5.45998	33.85	Pk	34.6	-23.5	10	54.95	-	-	74	-19.05	13	331	H
2	*** 5.40262	36.53	Pk	34.5	-23.3	10.1	57.83	-	-	74	-16.17	13	331	H
5	*** 5.45998	19.99	ADV	34.6	-23.5	10	43.87	54	-10.13	-	-	13	331	V
6	*** 5.40084	20.62	ADV	34.5	-23.3	10	44.6	54	-9.4	-	-	13	331	V
4	5.46488	37.38	Pk	34.6	-23.5	10.1	58.58	-	-	68.2	-9.62	13	331	H
8	5.46976	20.96	ADV	34.6	-23.5	10.1	44.94	-	-	-	-	13	331	V
3	5.46998	37.67	Pk	34.6	-23.5	10.1	58.87	-	-	68.2	-9.33	13	331	H
7	5.46998	20.86	ADV	34.6	-23.5	10.1	44.84	-	-	-	-	13	331	V

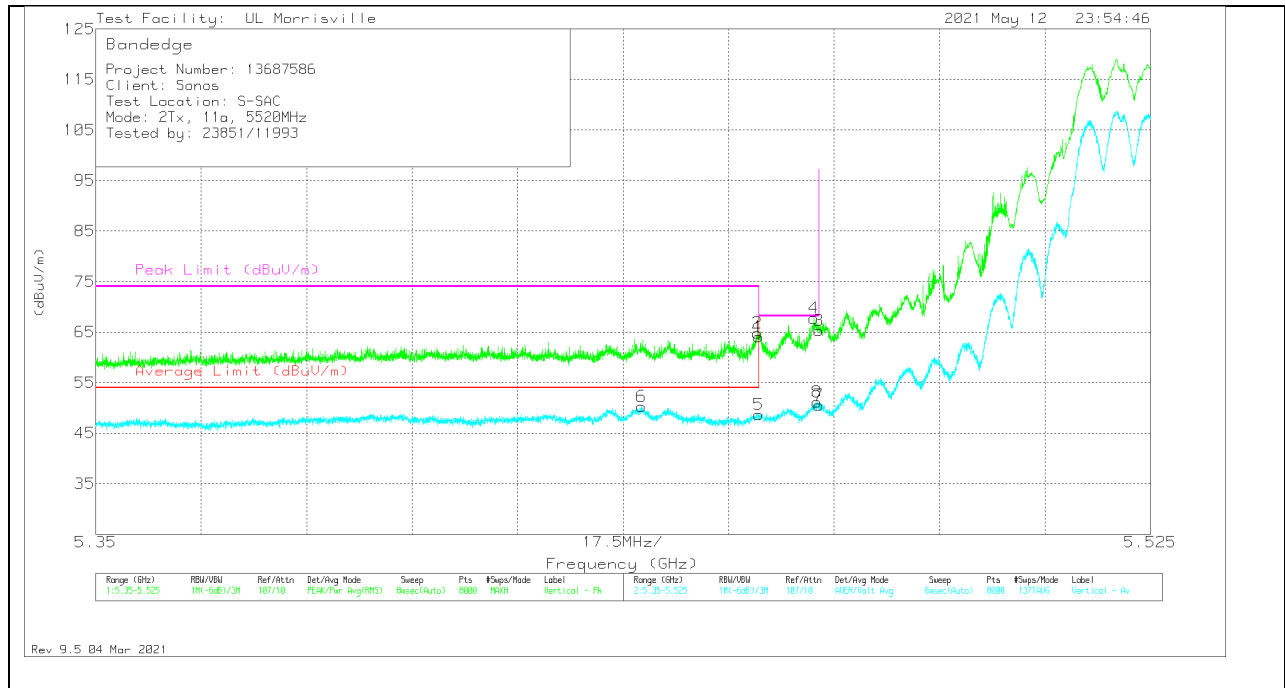
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT

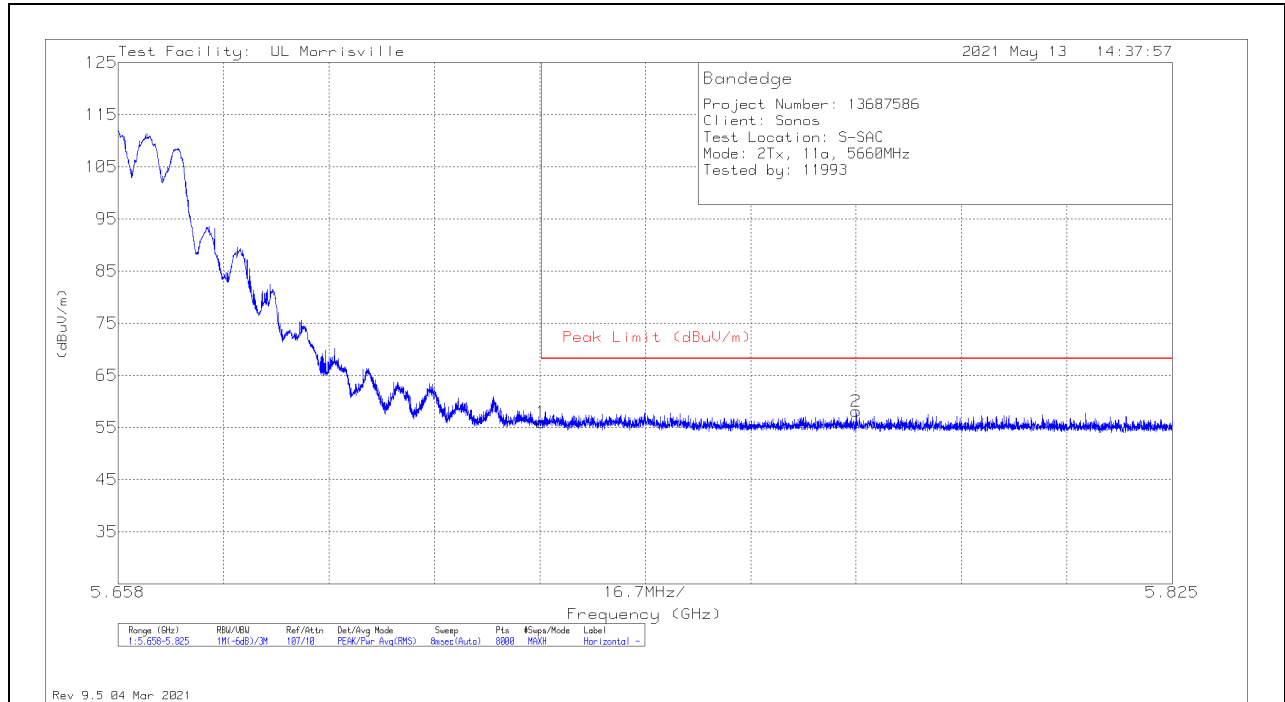


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 5.45998	42.98	Pk	34.6	-23.5	10	0	64.08	-	-	74	-9.92	46	140	V
2	*** 5.45981	43.7	Pk	34.6	-23.5	10	0	64.8	-	-	74	-9.2	46	140	V
5	*** 5.45998	24.85	ADV	34.6	-23.5	10	2.78	48.73	54	-5.27	-	-	46	140	V
6	*** 5.4406	26.49	ADV	34.5	-23.5	10	2.78	50.27	54	-3.73	-	-	46	140	V
4	5.46913	46.64	Pk	34.6	-23.5	10	0	67.74	-	-	68.2	-4.6	46	140	V
8	5.46967	27.21	ADV	34.6	-23.5	10.1	2.78	51.19	-	-	-	-	46	140	V
3	5.46998	44.16	Pk	34.6	-23.5	10.1	0	65.36	-	-	68.2	-2.84	46	140	V
7	5.46998	26.57	ADV	34.6	-23.5	10.1	2.78	50.55	-	-	-	-	46	140	V

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

BANDEDGE (HIGH CHANNEL)

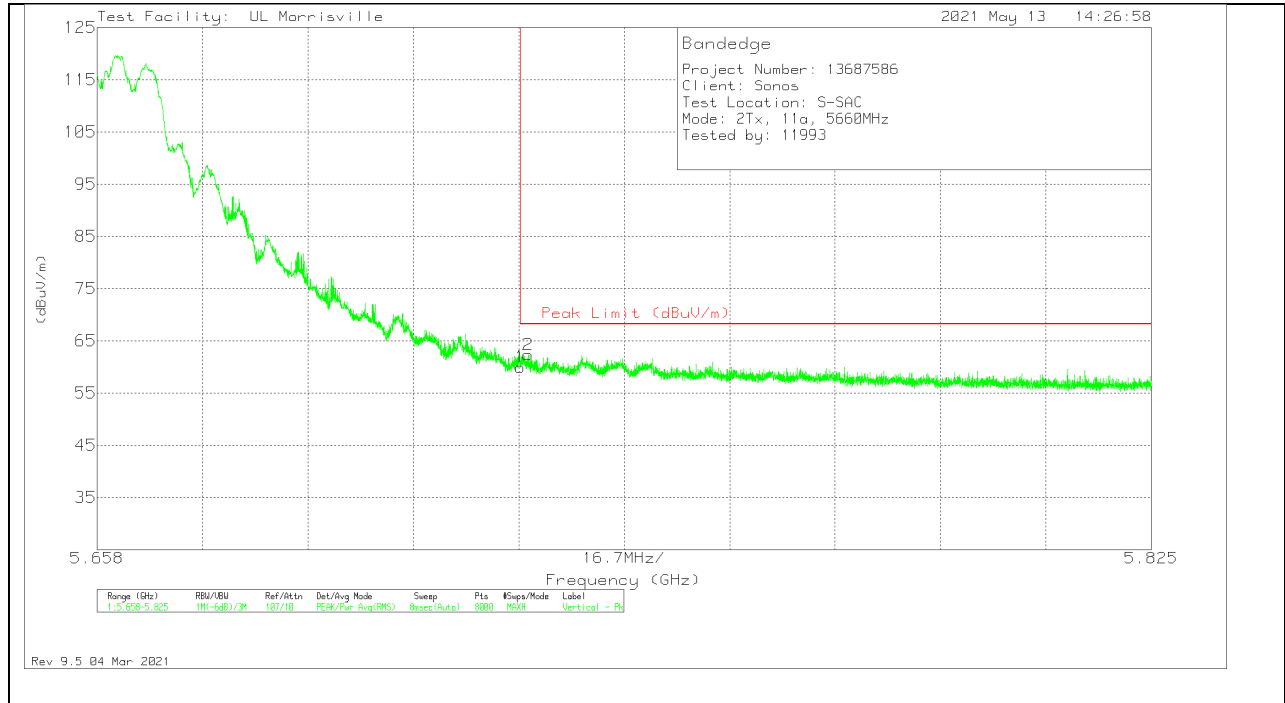
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72502	34.56	Pk	34.8	-23.5	10.1	55.96	68.2	-12.24	4	104	H
2	5.7749	36.39	Pk	34.9	-23.2	10	58.09	68.2	-10.11	4	104	H

Pk - Peak detector

VERTICAL RESULT

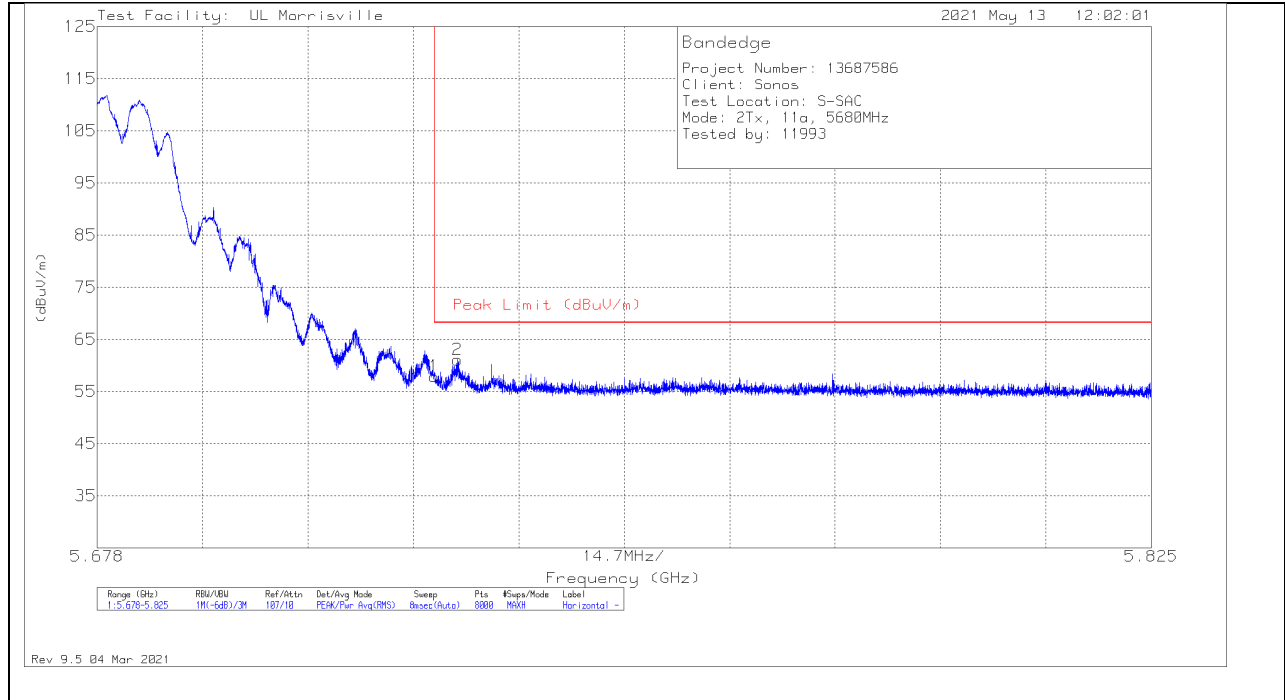


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72502	38.57	Pk	34.8	-23.5	10.1	59.97	68.2	-8.23	5	115	V
2	5.72627	40.91	Pk	34.8	-23.5	10.1	62.31	68.2	-5.89	5	115	V

Pk - Peak detector

BANEDGE (HIGH CHANNEL)

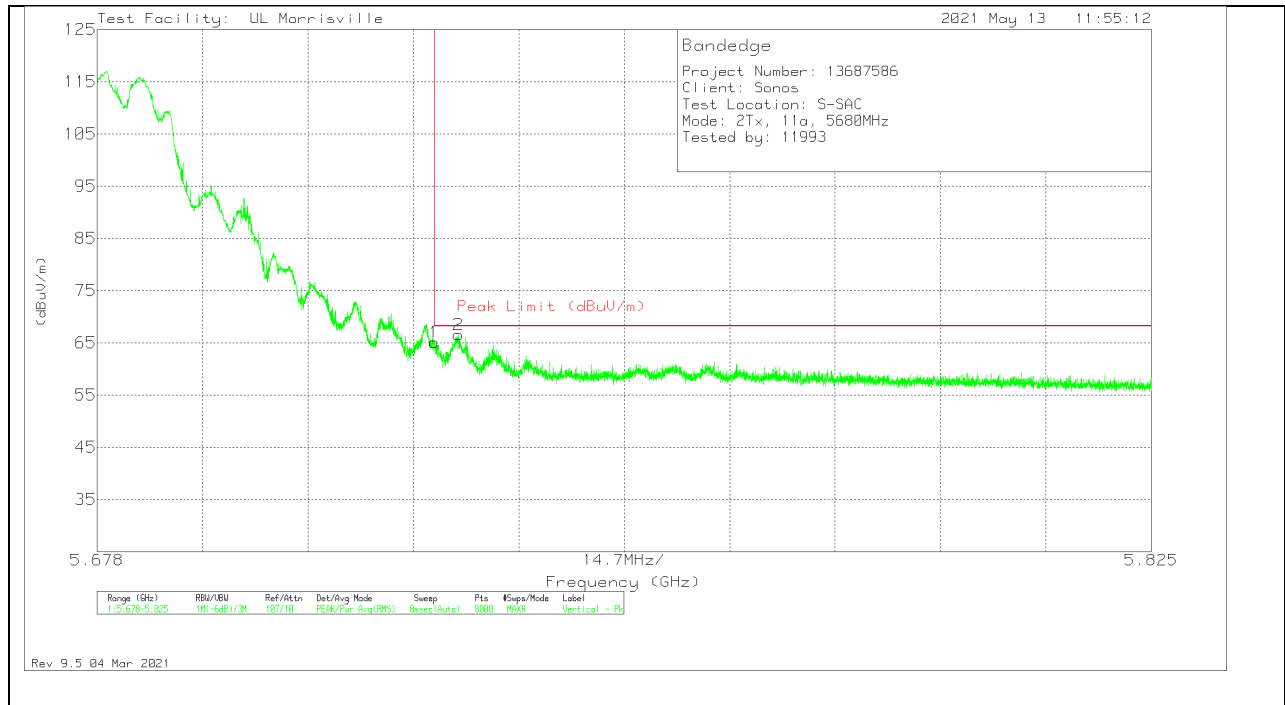
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72501	36.53	Pk	34.8	-23.5	10.1	57.93	68.2	-10.27	6	102	H
2	5.72826	39.68	Pk	34.8	-23.5	10.1	61.08	68.2	-7.12	6	102	H

Pk - Peak detector

VERTICAL RESULT

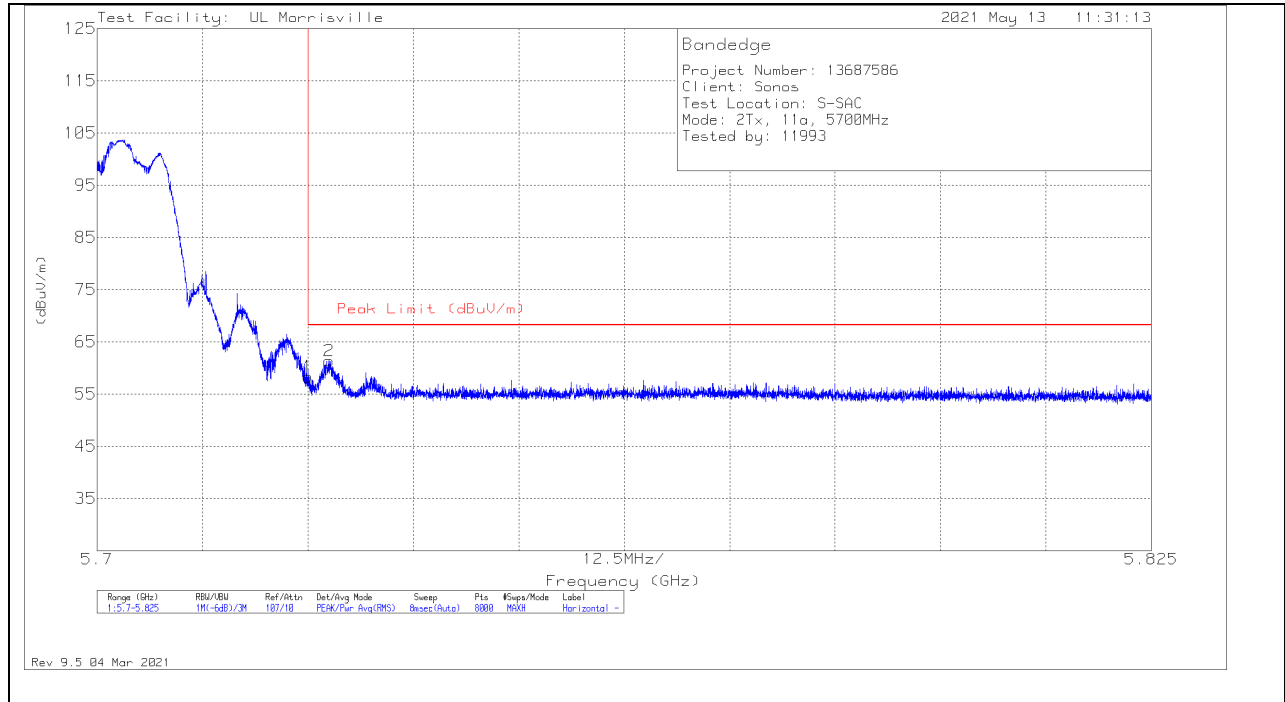


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72501	43.68	Pk	34.8	-23.5	10.1	65.08	68.2	-3.12	16	120	V
2	5.72837	45.12	Pk	34.8	-23.5	10.1	66.52	68.2	-1.68	16	120	V

Pk - Peak detector

BANDEGE (HIGH CHANNEL)

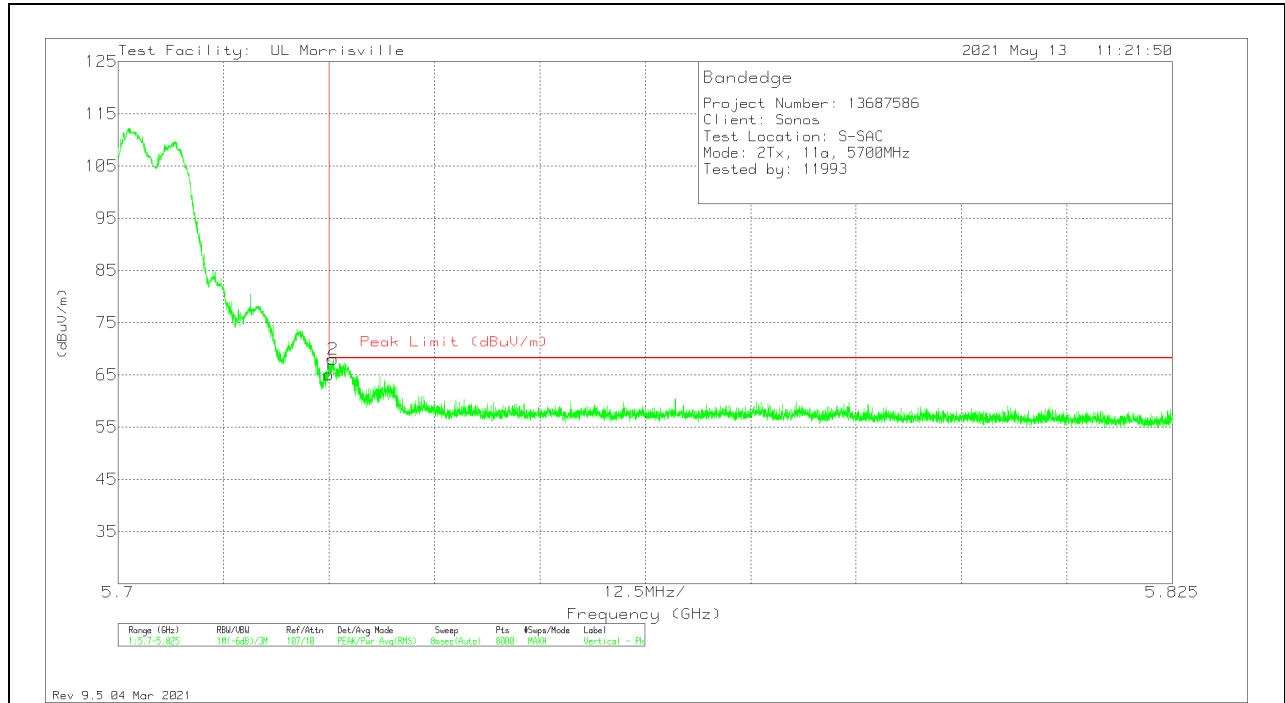
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	36.92	Pk	34.8	-23.5	10.1	58.32	68.2	-9.88	264	182	H
2	5.7275	39.97	Pk	34.8	-23.5	10.1	61.37	68.2	-6.83	264	182	H

Pk - Peak detector

VERTICAL RESULT



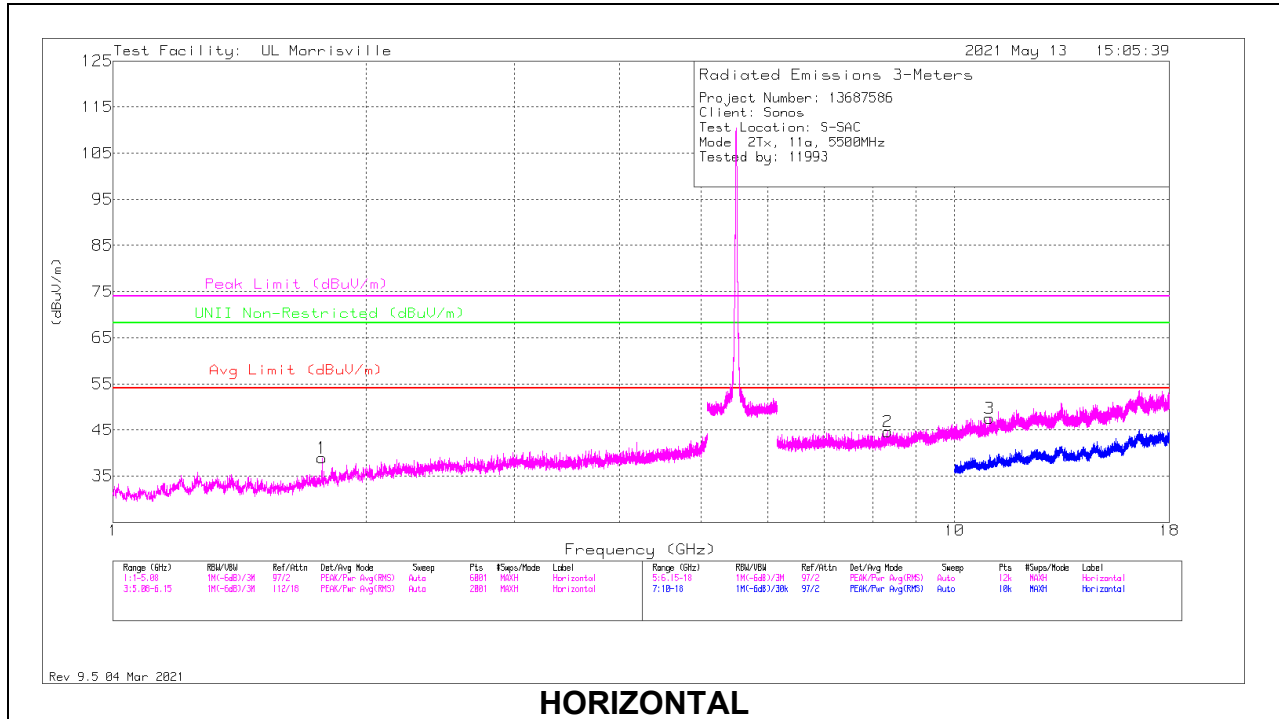
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	43.66	Pk	34.8	-23.5	10.1	65.06	68.2	-3.14	6	194	V
2	5.72549	46.59	Pk	34.8	-23.5	10.1	67.99	68.2	-.21	6	194	V

Pk - Peak detector

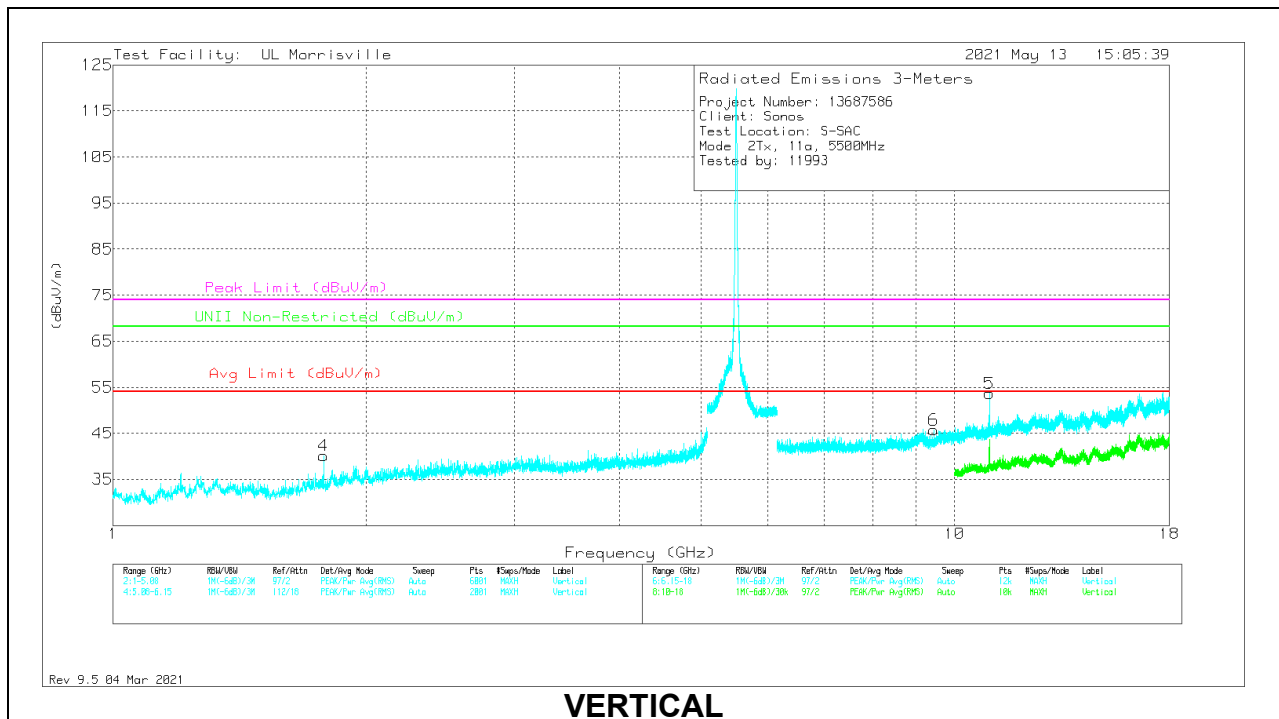
HARMONICS AND SPURIOUS EMISSIONS

Note – Low and High Channels were tested at Mid Channel power levels.

LOW CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/fttr/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	** 1.77044	44.12	Pk	29.5	-34.7	0	38.92	54	-15.08	74	-35.08	-	-	0-360	101	H
4	** 1.7786	45.14	Pk	29.7	-34.7	0	40.14	54	-13.86	74	-33.86	-	-	0-360	101	V
2	* ** 8.32448	36.35	Pk	35.9	-27.6	0	44.65	54	-9.35	74	-29.35	-	-	0-360	101	H
3	* ** 10.99665	34.62	Pk	37.8	-24.9	0	47.52	54	-6.48	74	-26.48	-	-	0-360	101	H
5	* ** 10.99988	43.16	PK-U	37.8	-24.8	0	56.16	-	-	74	-17.84	-	-	180	104	V
	* ** 10.99931	27.47	ADV	37.8	-24.9	2.78	43.15	54	-10.85	-	-	-	-	180	104	V
6	* ** 9.4443	36.02	Pk	36.6	-26.9	0	45.72	54	-8.28	74	-28.28	-	-	0-360	101	V

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

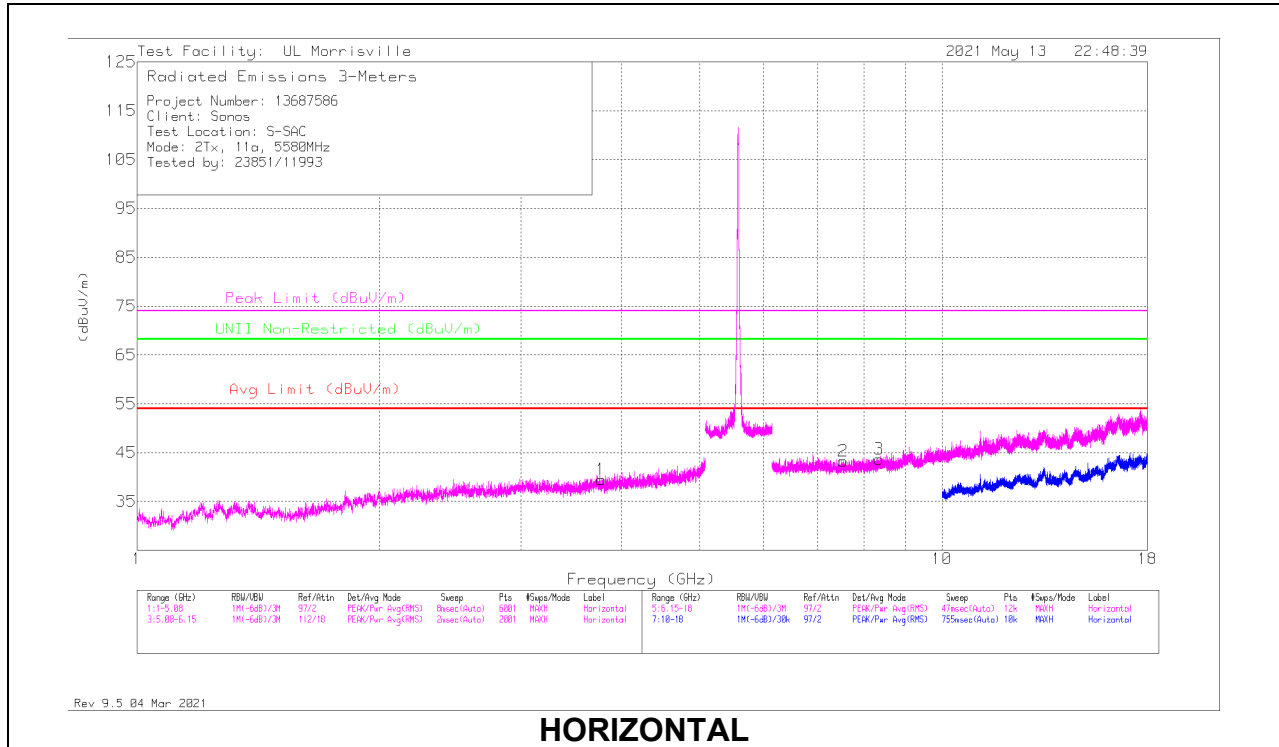
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

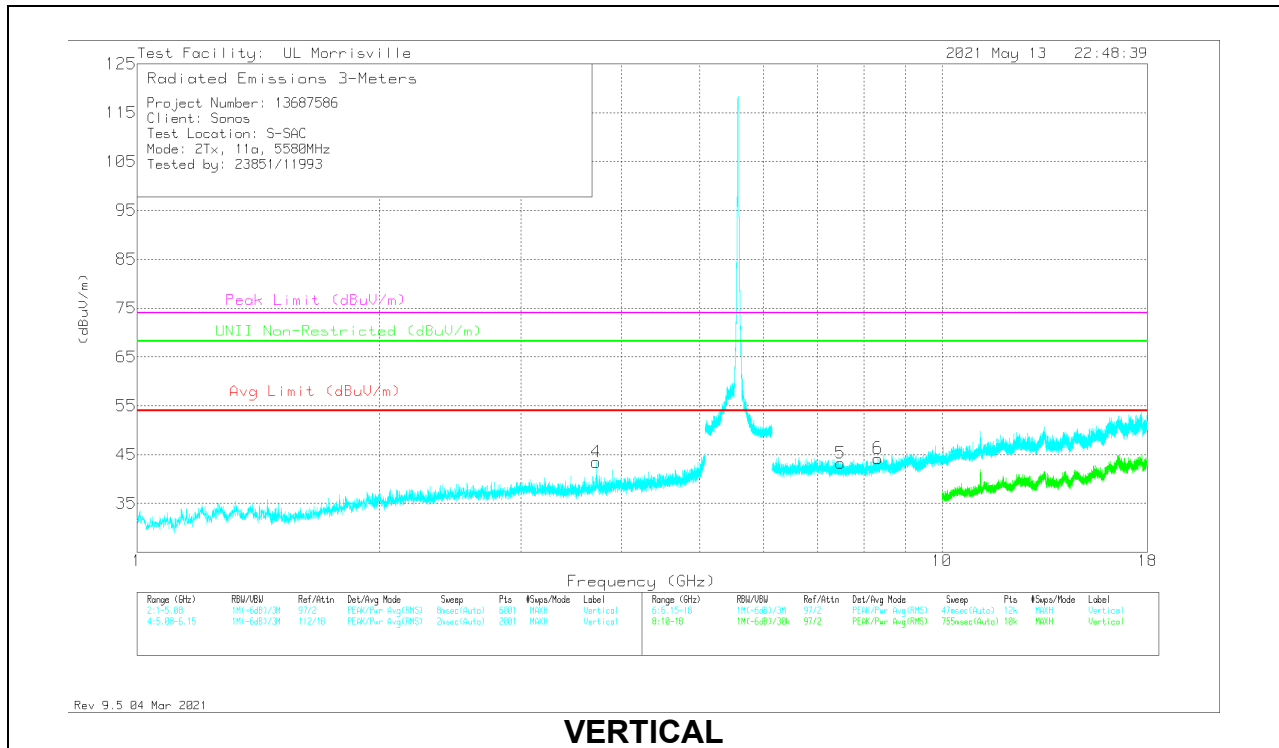
PK-U - Maximum Peak

ADV - Linear Voltage Average

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

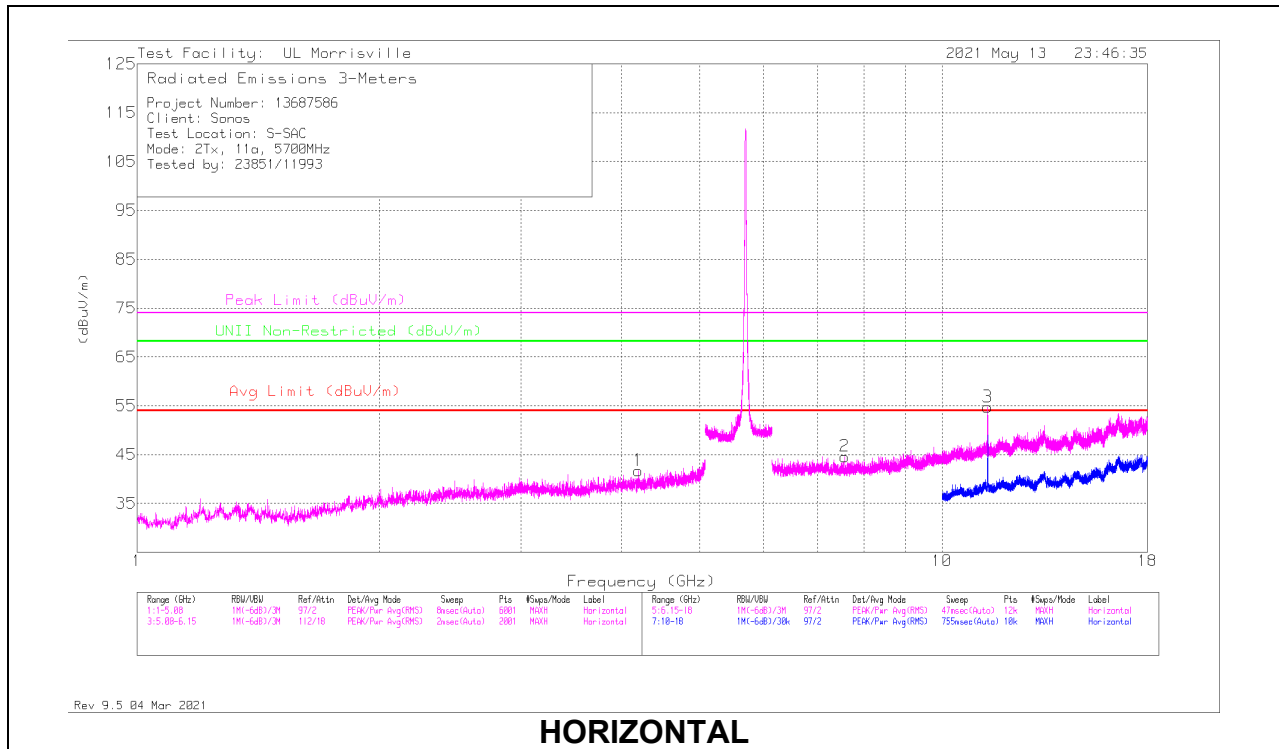
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/ ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 3.77304	39.04	Pk	33.3	-32.9	0	39.44	54	-14.56	74	-34.56	-	-	0-360	199	H
4	*** 3.72	42.37	Pk	33.4	-32.3	0	43.47	54	-10.53	74	-30.53	-	-	0-360	101	V
2	*** 7.53941	34.92	Pk	35.7	-27.4	0	43.22	54	-10.78	74	-30.78	-	-	0-360	199	H
3	*** 8.35608	35.14	Pk	35.8	-27.3	0	43.64	54	-10.36	74	-30.36	-	-	0-360	199	H
5	*** 7.48214	35.35	Pk	35.6	-27.7	0	43.25	54	-10.75	74	-30.75	-	-	0-360	101	V
6	*** 8.31954	35.91	Pk	35.9	-27.6	0	44.21	54	-9.79	74	-29.79	-	-	0-360	199	V

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

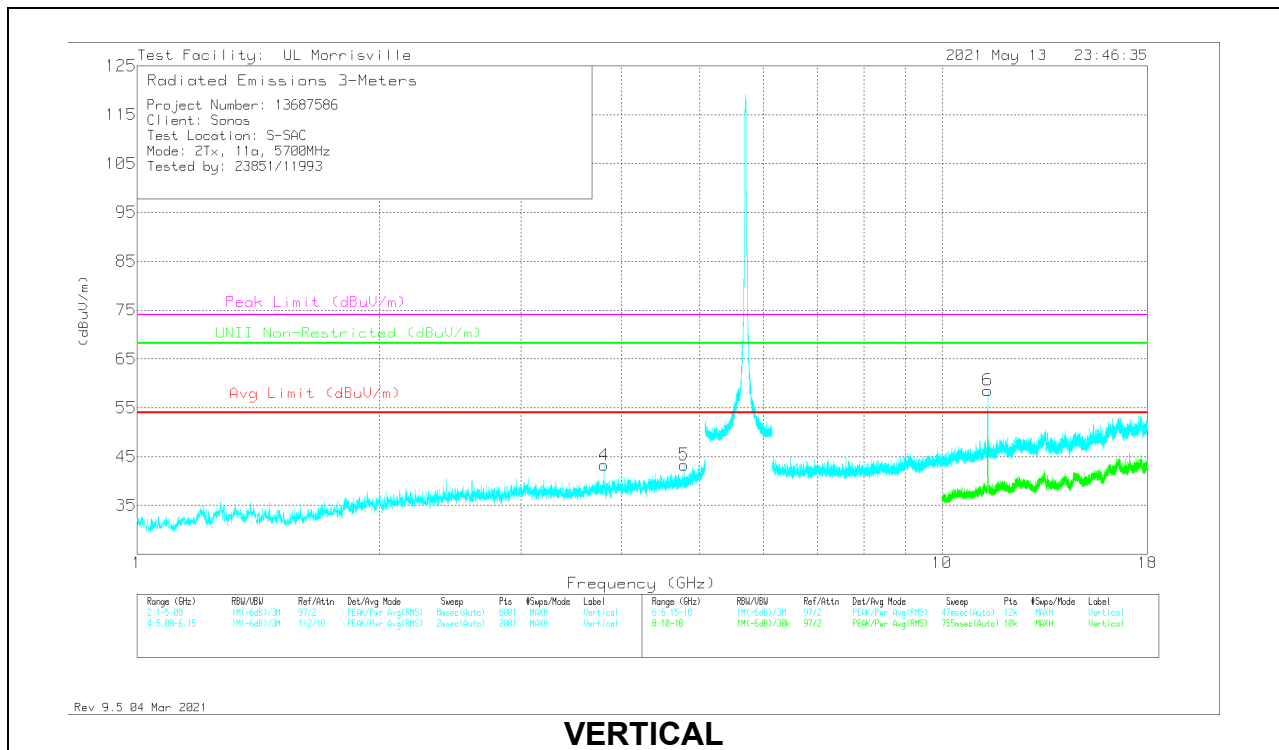
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (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	* ** 4.19668	39.62	Pk	33.7	-31.6	0	41.72	54	-12.28	74	-32.28	-	-	0-360	199	H
4	* ** 3.80024	42.93	Pk	33.2	-32.9	0	43.23	54	-10.77	74	-30.77	-	-	0-360	200	V
5	* ** 4.78148	40.2	Pk	34.1	-31	0	43.3	54	-10.7	74	-30.7	-	-	0-360	200	V
2	* ** 7.57299	36.51	Pk	35.6	-27.5	0	44.61	54	-9.39	74	-29.39	-	-	0-360	101	H
3	* ** 11.39431	43.34	PK-U	38	-24.8	0	56.54	-	-	74	-17.46	-	-	66	116	H
	* ** 11.39439	26.64	ADV	38	-24.8	2.78	42.62	54	-11.38	-	-	-	-	66	116	H
6	* ** 11.39646	49.44	PK-U	38	-24.8	0	62.64	-	-	74	-11.36	-	-	322	108	V
	* ** 11.3958	29.72	ADV	38	-24.8	2.78	45.7	54	-8.3	-	-	-	-	322	108	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

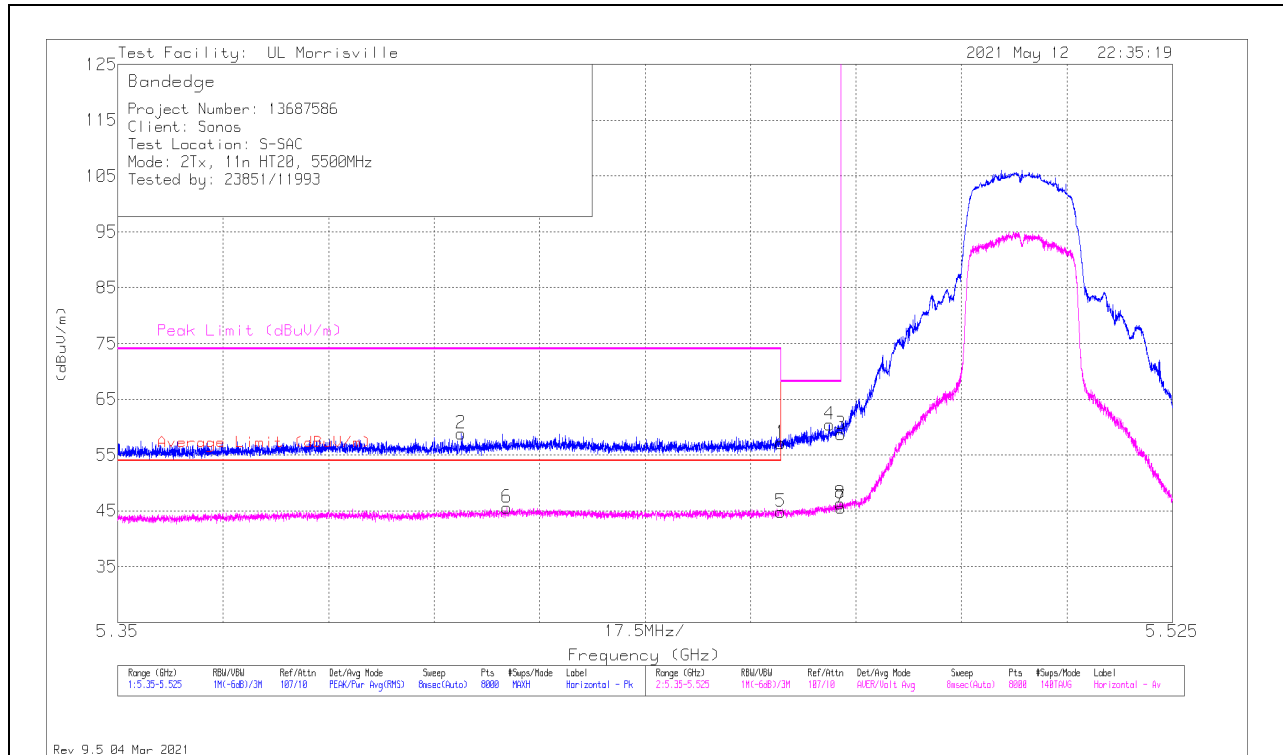
ADV - Linear Voltage Average

10.1.6. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.6 GHz BAND

2TX Antenna 1 + Antenna 2 CDD MODE

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cb/Filtr/Pad (dB)	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	*** 5.45998	35.97	Pk	34.6	-23.5	10	0	57.07	-	-	74	-16.93	275	198	H
2	*** 5.40701	37.67	Pk	34.5	-23.3	10	0	58.87	-	-	74	-15.13	275	198	H
5	*** 5.45998	20.72	ADV	34.6	-23.5	10	2.96	44.78	54	-9.22	-	-	275	198	H
6	*** 5.41454	21.37	ADV	34.5	-23.3	10	2.96	45.53	54	-8.47	-	-	275	198	H
4	5.46808	39.34	Pk	34.6	-23.6	10.1	0	60.44	-	-	68.2	-7.76	275	198	H
8	5.46985	22.17	ADV	34.6	-23.5	10.1	2.96	46.33	-	-	-	-	275	198	H
3	5.46998	37.59	Pk	34.6	-23.5	10.1	0	58.79	-	-	68.2	-9.41	275	198	H
7	5.46998	21.45	ADV	34.6	-23.5	10.1	2.96	45.61	-	-	-	-	275	198	H

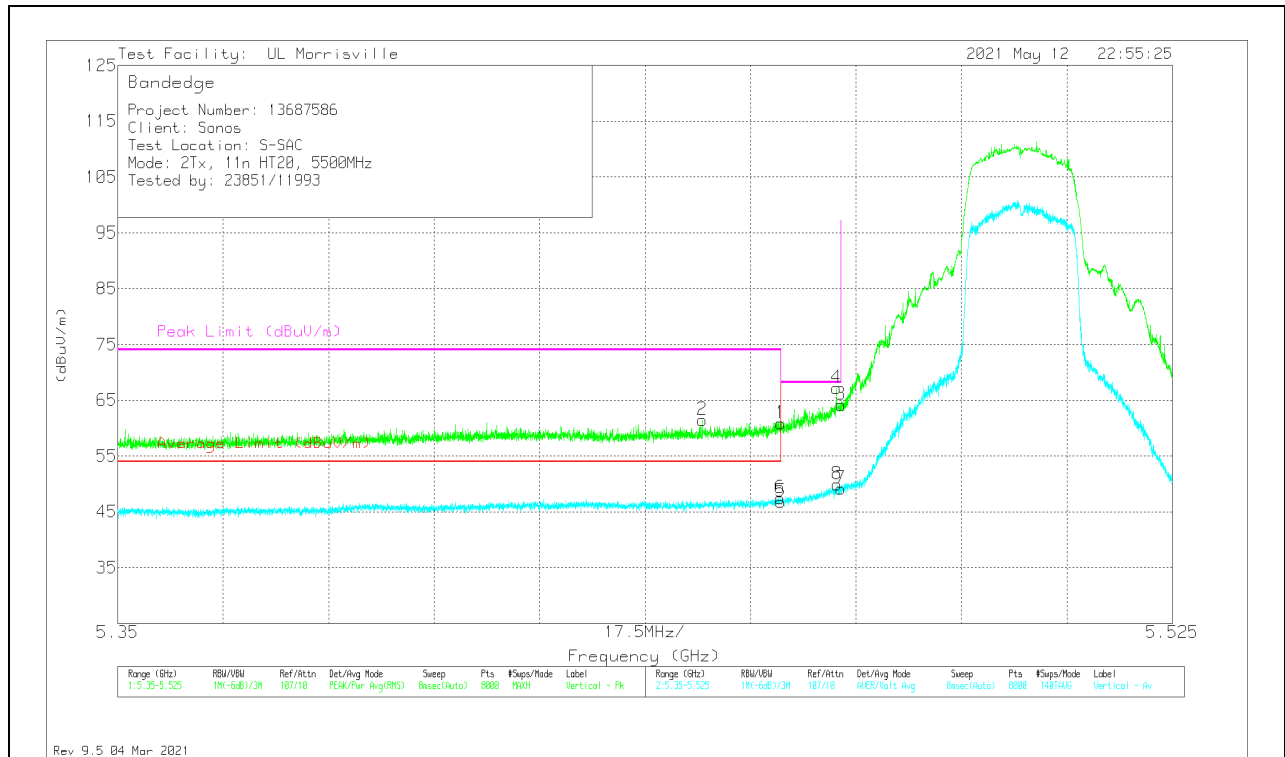
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - 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)	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	*** 5.45998	39.77	Pk	34.6	-23.5	10	0	60.87	-	-	74	-13.13	58	108	V
2	*** 5.44696	40.42	Pk	34.5	-23.4	10	0	61.52	-	-	74	-12.48	58	108	V
5	*** 5.45998	22.76	ADV	34.6	-23.5	10	2.96	46.82	54	-7.18	-	-	58	108	V
6	*** 5.45994	23.39	ADV	34.6	-23.5	10	2.96	47.45	54	-6.55	-	-	58	108	V
4	5.46924	46.05	Pk	34.6	-23.5	10	0	67.15	-	-	68.2	-1.05	58	108	V
8	5.46937	25.72	ADV	34.6	-23.5	10.1	2.96	49.88	-	-	-	-	58	108	V
3	5.46998	42.96	Pk	34.6	-23.5	10.1	0	64.16	-	-	68.2	-4.04	58	108	V
7	5.46998	25.04	ADV	34.6	-23.5	10.1	2.96	49.2	-	-	-	-	58	108	V

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

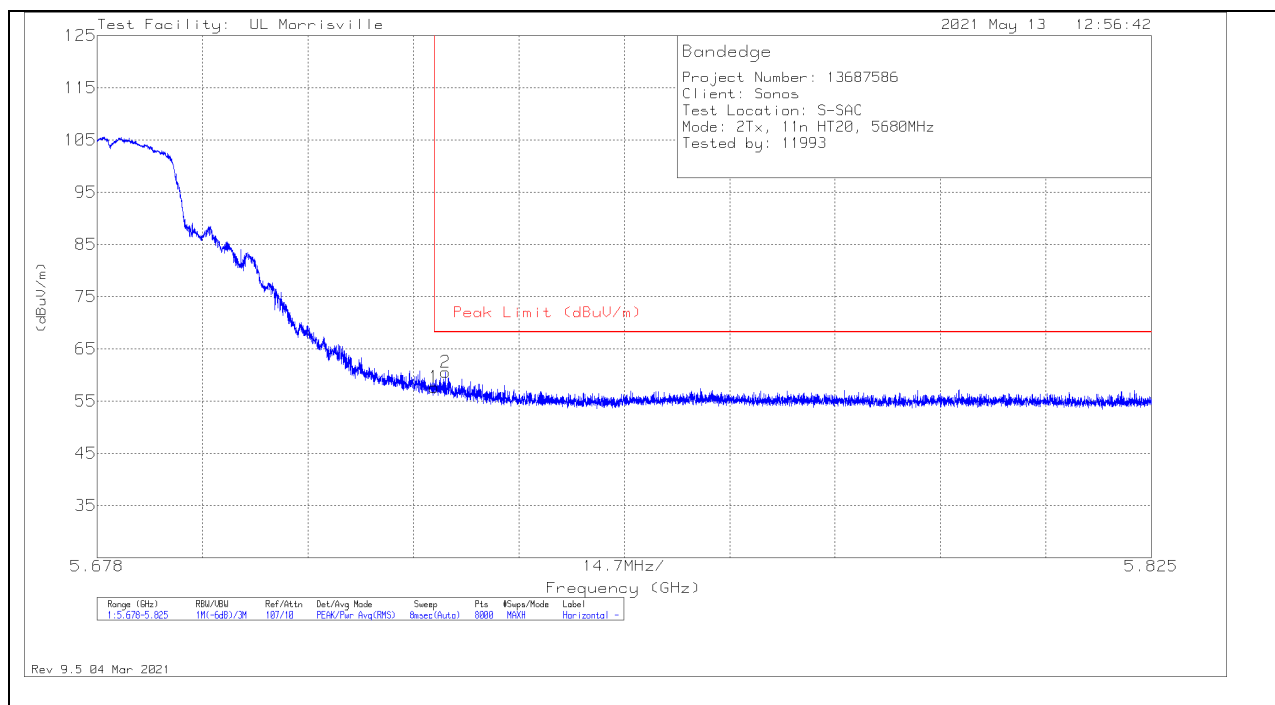
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

BANDEGE (HIGH CHANNEL)

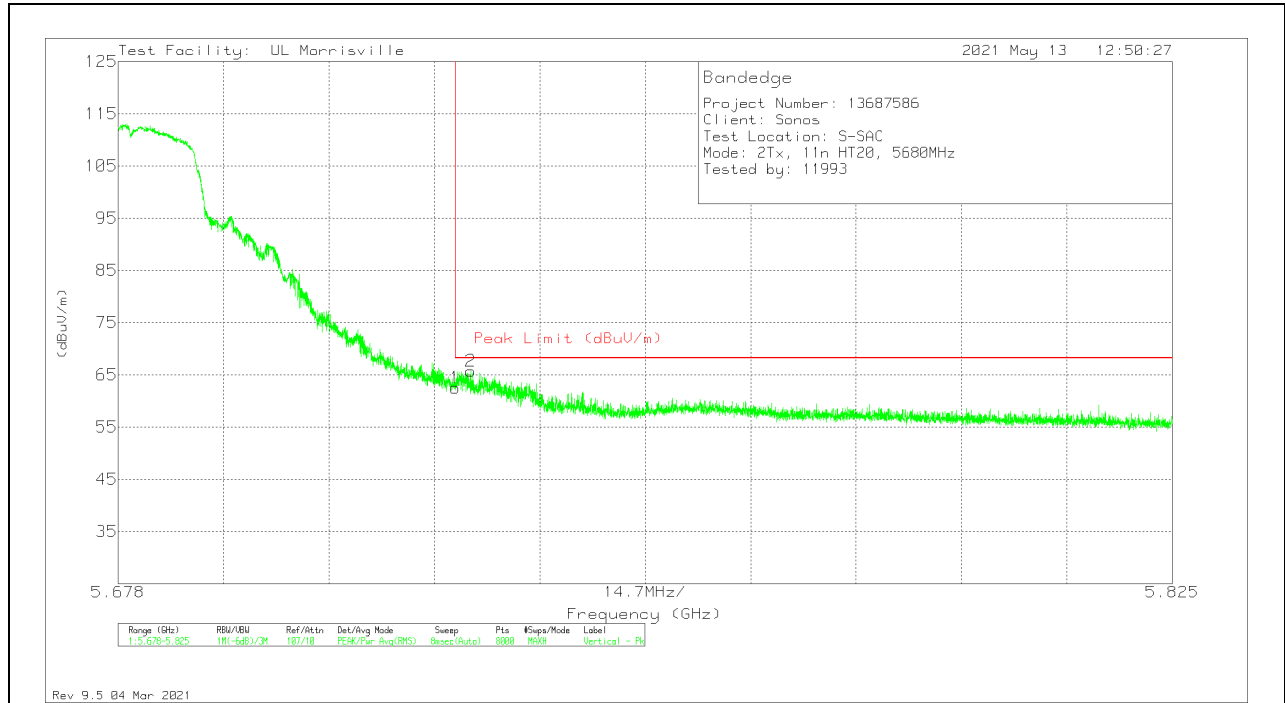
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72501	36.25	Pk	34.8	-23.5	10.1	57.65	68.2	-10.55	5	104	H
2	5.72659	39.13	Pk	34.8	-23.5	10.1	60.53	68.2	-7.67	5	104	H

Pk - Peak detector

VERTICAL RESULT

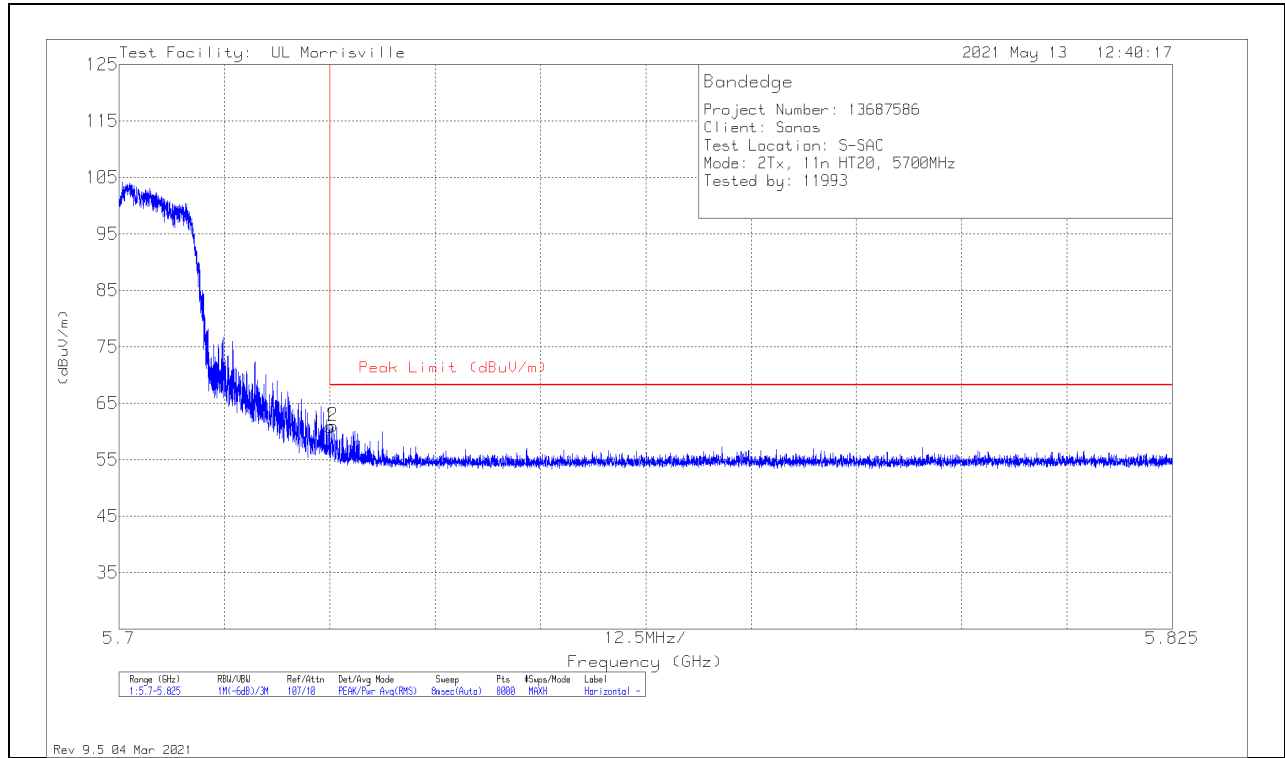


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72501	41.14	Pk	34.8	-23.5	10.1	62.54	68.2	-5.66	213	109	V
2	5.72716	44.31	Pk	34.8	-23.5	10.1	65.71	68.2	-2.49	213	109	V

Pk - Peak detector

BANDEDGE (HIGH CHANNEL)

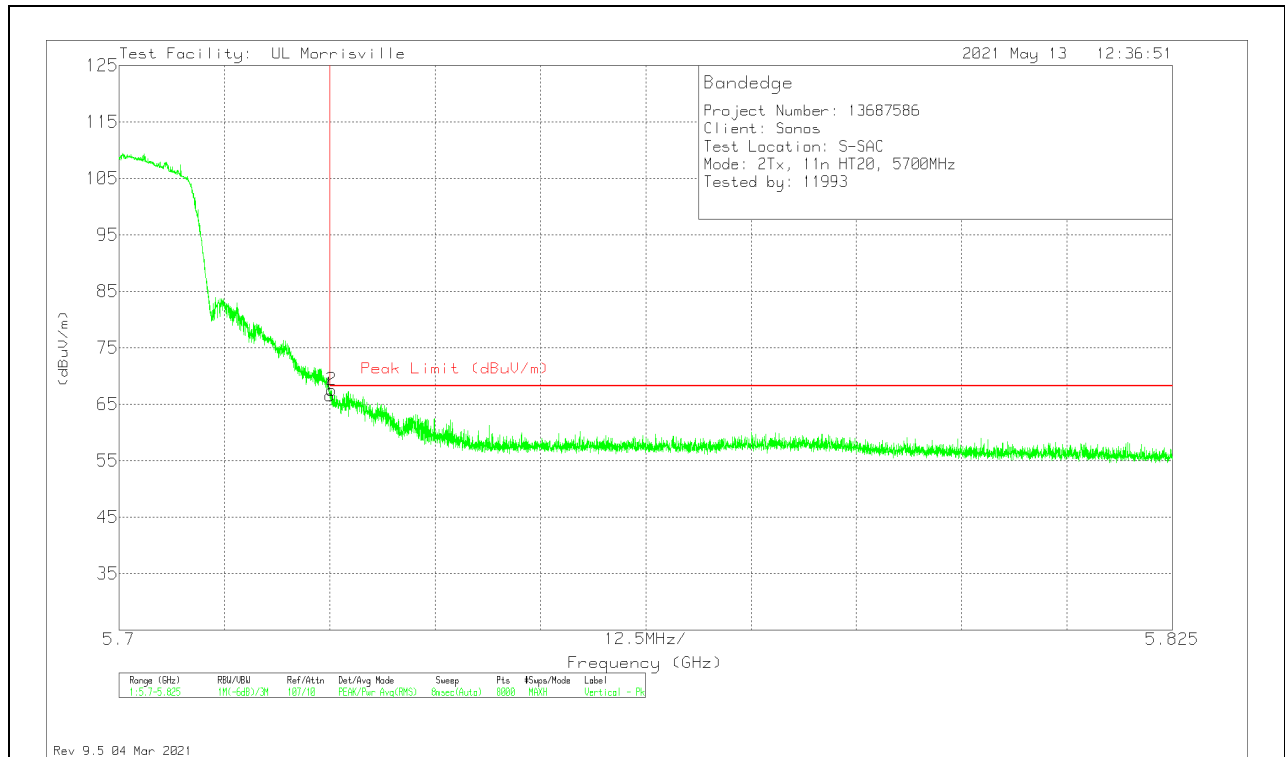
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	39.43	Pk	34.8	-23.5	10.1	60.83	68.2	-7.37	246	136	H
2	5.72536	39.62	Pk	34.8	-23.5	10.1	61.02	68.2	-7.18	246	136	H

Pk - Peak detector

VERTICAL RESULT



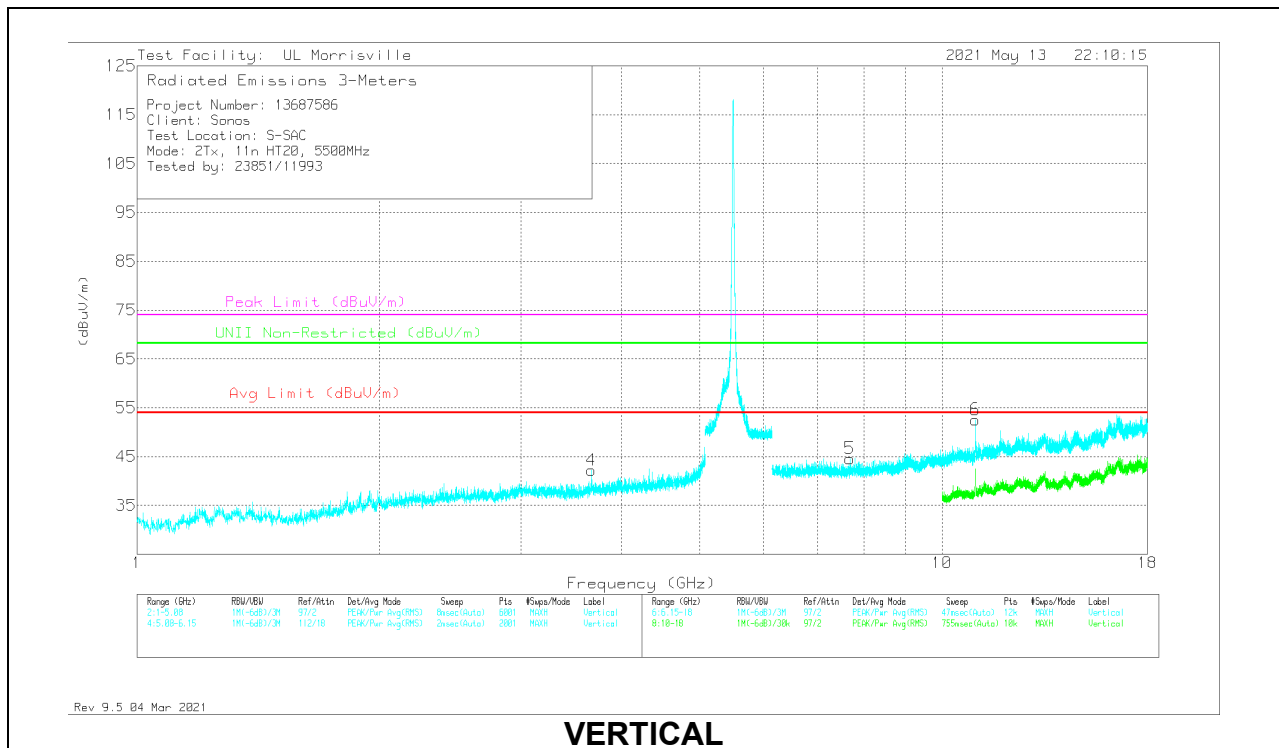
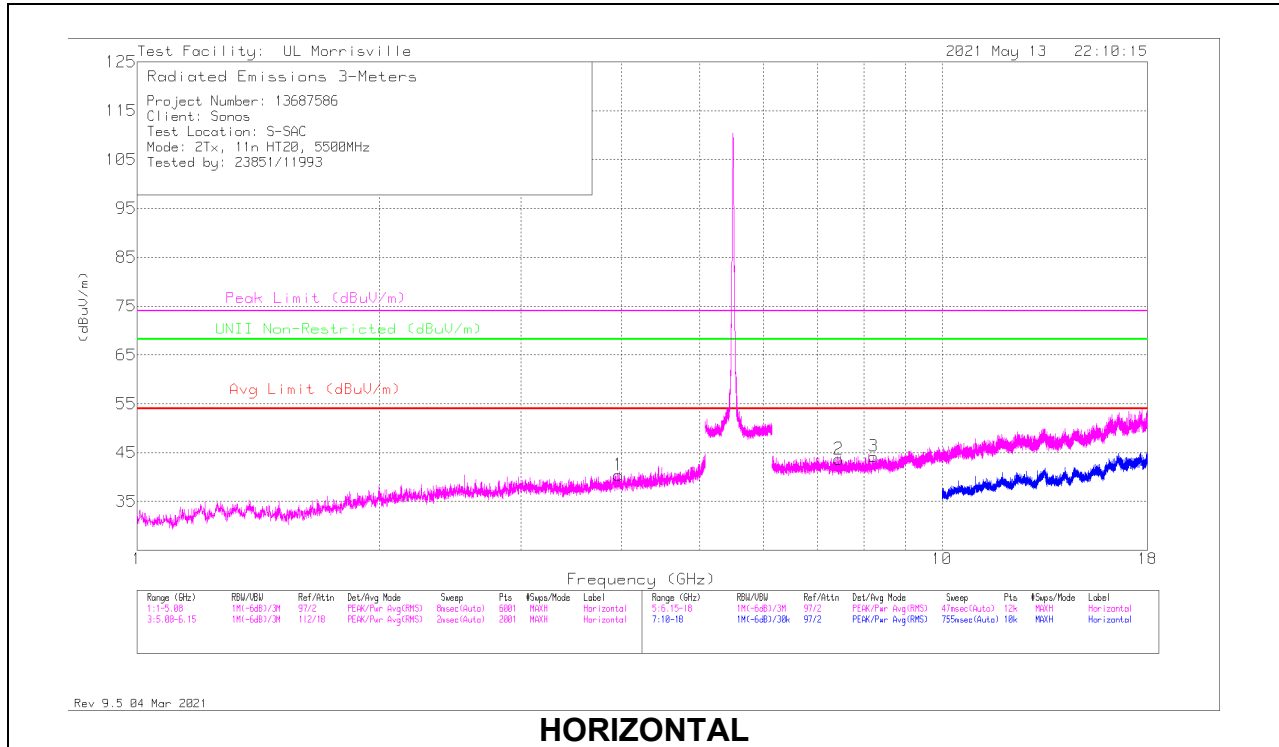
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	45.19	Pk	34.8	-23.5	10.1	66.59	68.2	-1.61	246	136	V
2	5.72521	46.09	Pk	34.8	-23.5	10.1	67.49	68.2	-.71	246	136	V

Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

Note – Low and High Channels were tested at Mid Channel power levels.

LOW CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/fttr/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	* ** 3.96548	38.52	Pk	33.6	-31.7	0	40.42	54	-13.58	74	-33.58	-	-	0-360	199	H
4	* ** 3.66696	41.39	Pk	33.1	-32.3	0	42.19	54	-11.81	74	-31.81	-	-	0-360	101	V
2	* ** 7.44264	36.15	Pk	35.6	-28.1	0	43.65	54	-10.35	74	-30.35	-	-	0-360	101	H
3	* ** 8.22178	36.13	Pk	35.8	-27.7	0	44.23	54	-9.77	74	-29.77	-	-	0-360	101	H
5	* ** 7.68161	36.66	Pk	35.8	-27.9	0	44.56	54	-9.44	74	-29.44	-	-	0-360	101	V
6	* ** 11.0005	43.75	PK-U	37.8	-24.8	0	56.75	-	-	74	-17.25	-	-	177	101	V
	* ** 11.00031	27.3	ADV	37.8	-24.8	2.96	43.26	54	-10.74	-	-	-	-	177	101	V

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

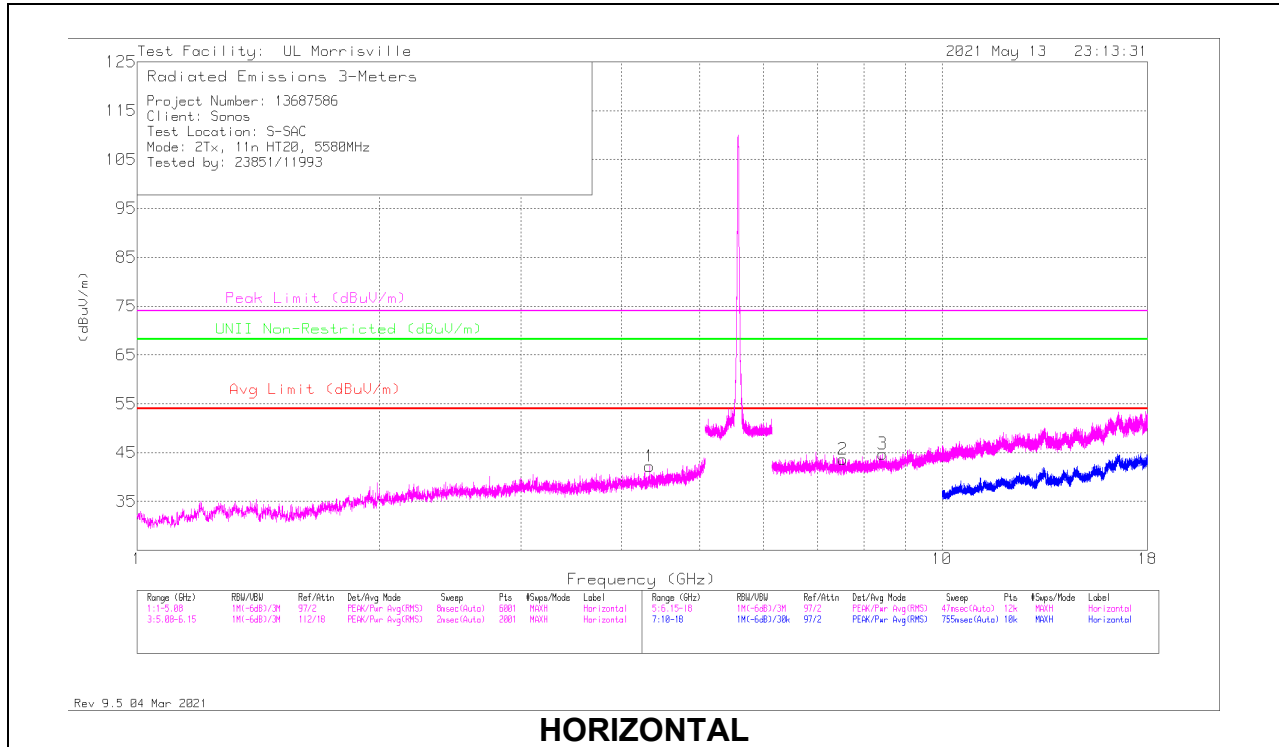
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

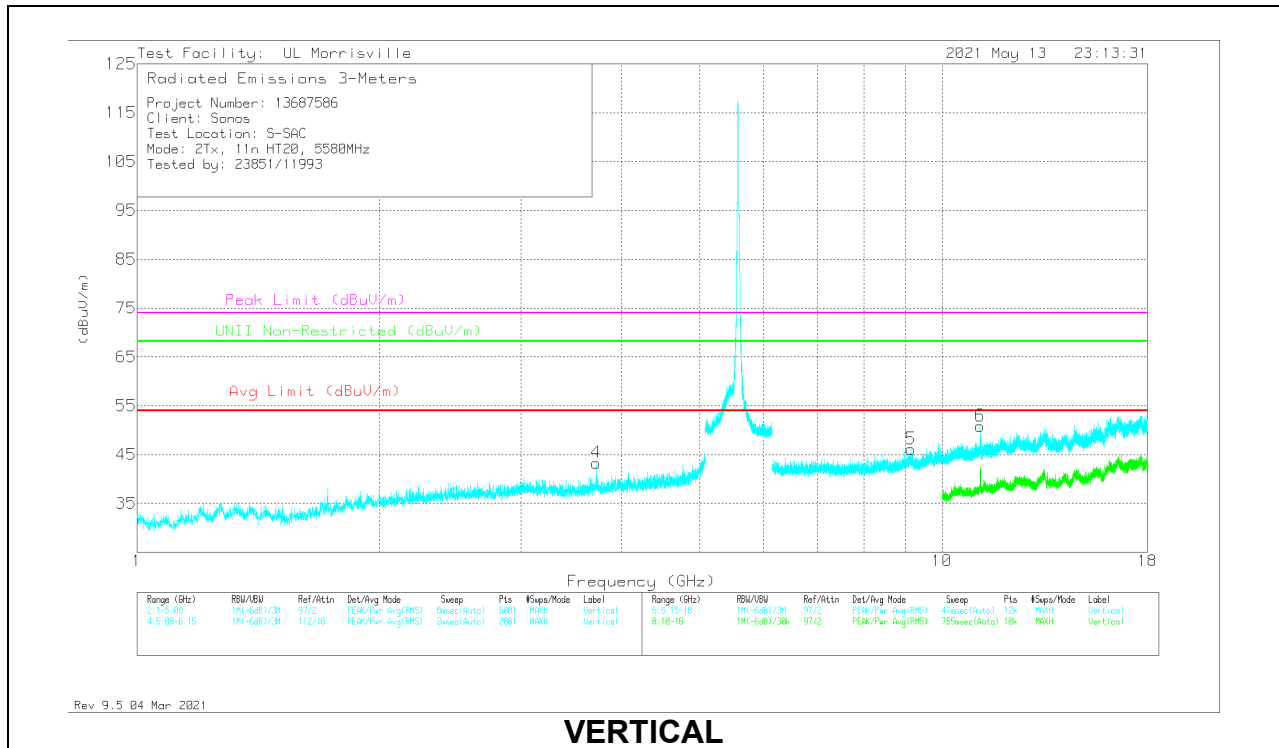
PK-U - Maximum Peak

ADV - Linear Voltage Average

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/fttr/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	* ** 4.33064	40.1	Pk	33.7	-31.6	0	42.2	54	-11.8	74	-31.8	-	-	0-360	101	H
4	* ** 3.72	42.22	Pk	33.4	-32.3	0	43.32	54	-10.68	74	-30.68	-	-	0-360	101	V
2	* ** 7.52954	35.43	Pk	35.7	-27.5	0	43.63	54	-10.37	74	-30.37	-	-	0-360	200	H
3	* ** 8.43705	36.43	Pk	35.9	-27.6	0	44.73	54	-9.27	74	-29.27	-	-	0-360	200	H
5	* ** 9.1441	36.53	Pk	36.3	-26.7	0	46.13	54	-7.87	74	-27.87	-	-	0-360	200	V
6	* ** 11.15709	42.02	PK-U	37.9	-24.8	0	55.12	-	-	74	-18.88	-	-	12	115	V
	* ** 11.15765	25.14	ADV	37.9	-24.8	2.96	41.2	54	-12.8	-	-	-	-	12	115	V

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

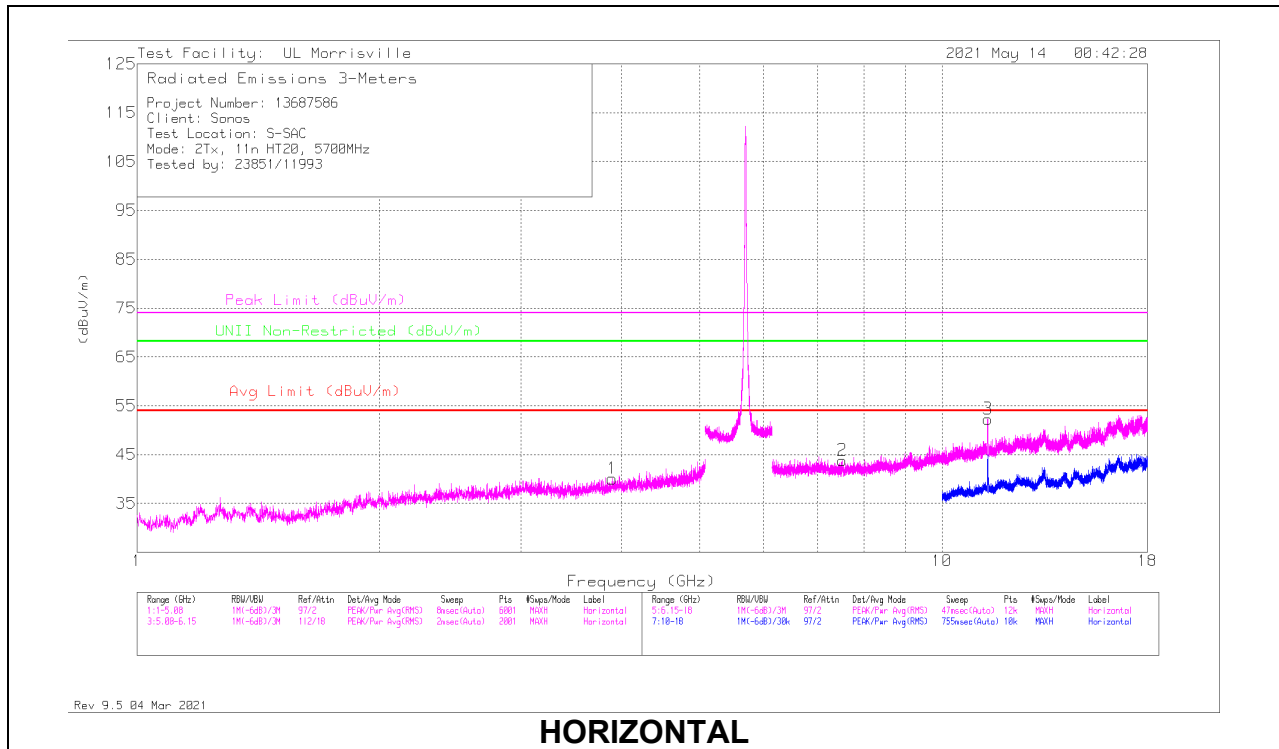
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

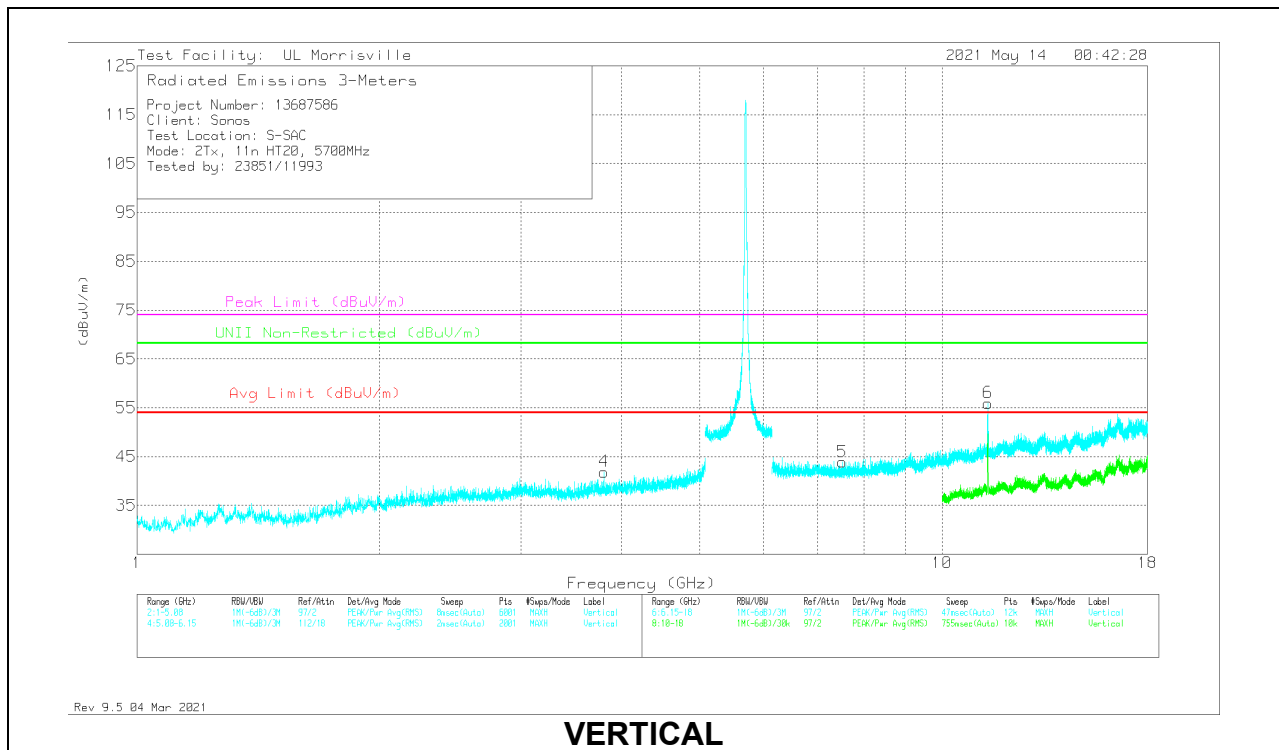
PK-U - Maximum Peak

ADV - Linear Voltage Average

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/fttr/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	* ** 3.89204	39.08	Pk	33.5	-32.5	0	40.08	54	-13.92	74	-33.92	-	-	0-360	101	H
4	* ** 3.80024	41.58	Pk	33.2	-32.9	0	41.88	54	-12.12	74	-32.12	-	-	0-360	101	V
2	* ** 7.51868	35.69	Pk	35.6	-27.5	0	43.79	54	-10.21	74	-30.21	-	-	0-360	200	H
3	* ** 11.40071	43.39	PK-U	38	-24.7	0	56.69	-	-	74	-17.31	-	-	337	262	H
	* ** 11.40166	26.71	ADV	38	-24.7	2.96	42.97	54	-11.03	-	-	-	-	337	262	H
5	* ** 7.5167	35.78	Pk	35.6	-27.5	0	43.88	54	-10.12	74	-30.12	-	-	0-360	101	V
6	* ** 11.40079	46.84	PK-U	38	-24.7	0	60.14	-	-	74	-13.86	-	-	202	240	V
	* ** 11.40083	28.27	ADV	38	-24.7	2.96	44.53	54	-9.47	-	-	-	-	202	240	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

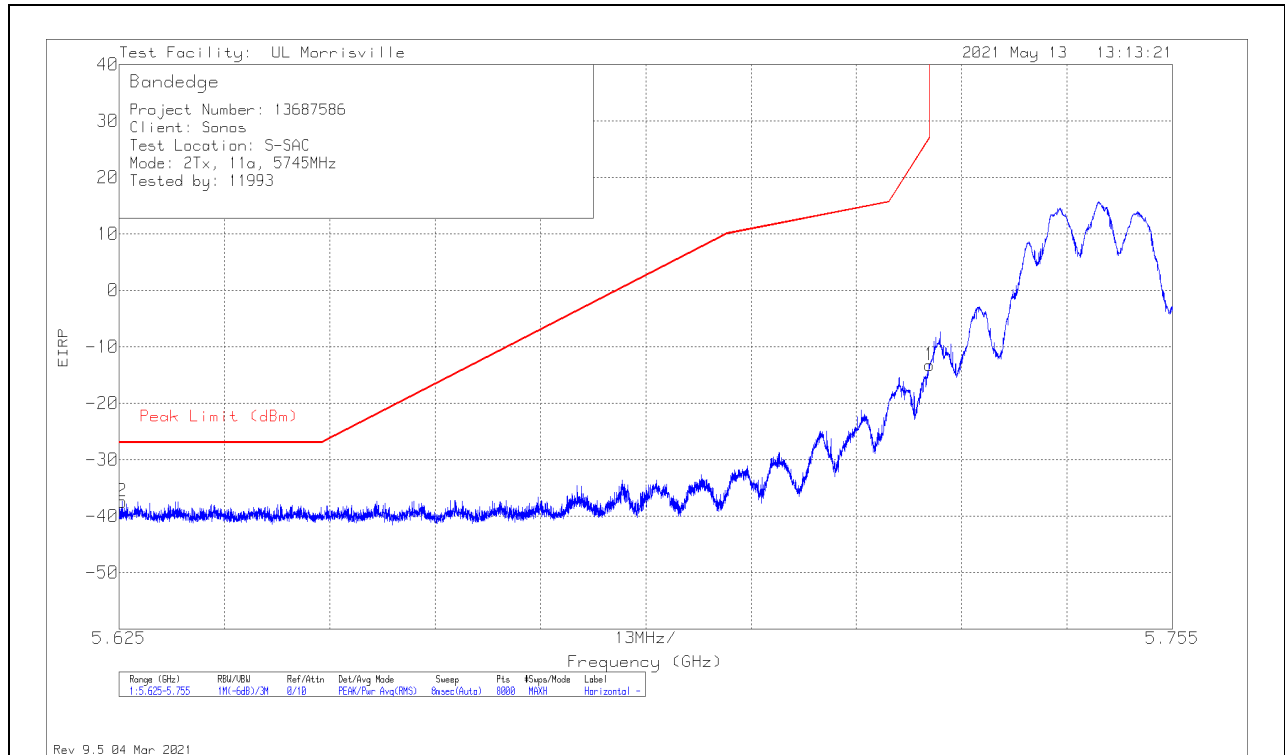
ADV - Linear Voltage Average

10.1.7. TX ABOVE 1 GHz 802.11a MODE IN THE 5.8 GHz BAND

2TX Antenna 1 + Antenna 2 CDD MODE

BANDEDGE (LOW CHANNEL)

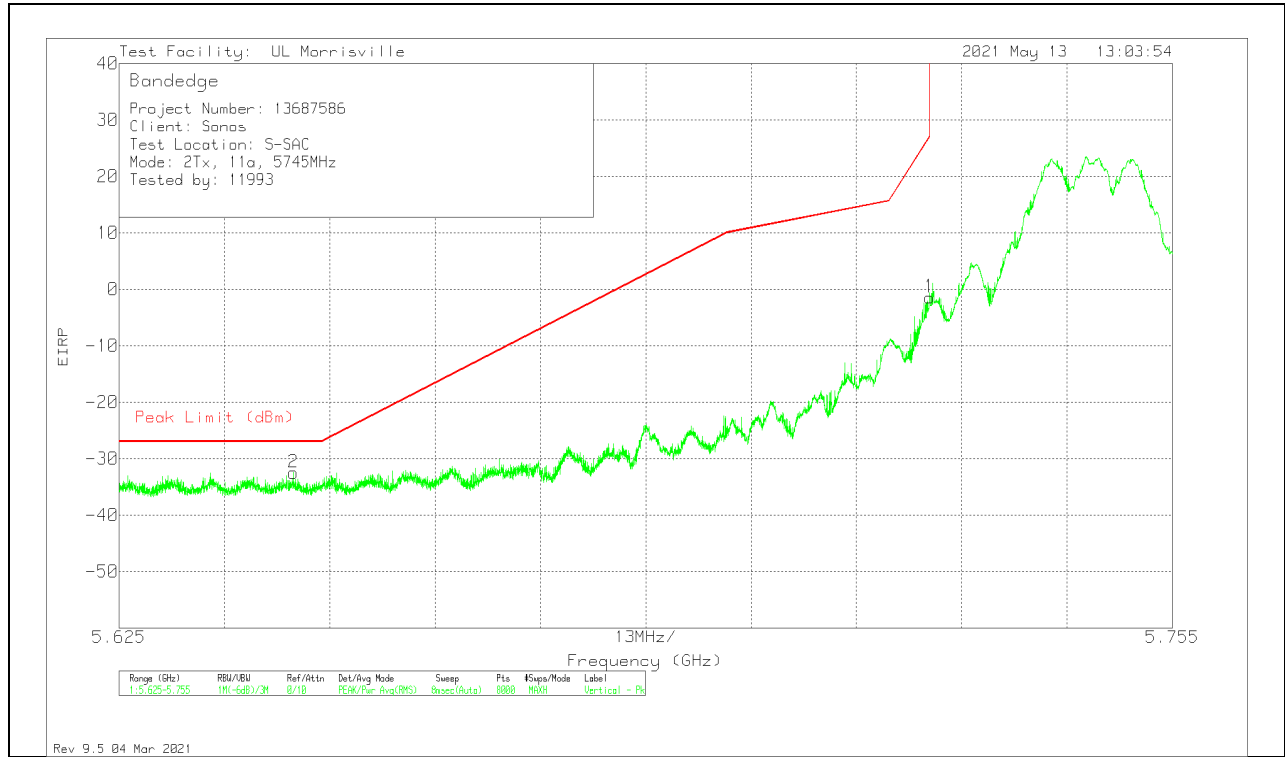
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0072 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	Pad (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.62534	-70.61	Pk	34.7	-23.4	11.8	10.1	-37.41	-27	-10.41	2	105	H
1	5.725	-46.48	Pk	34.8	-23.5	11.8	10.1	-13.28	27	-40.28	2	105	H

Pk - Peak detector

VERTICAL RESULT

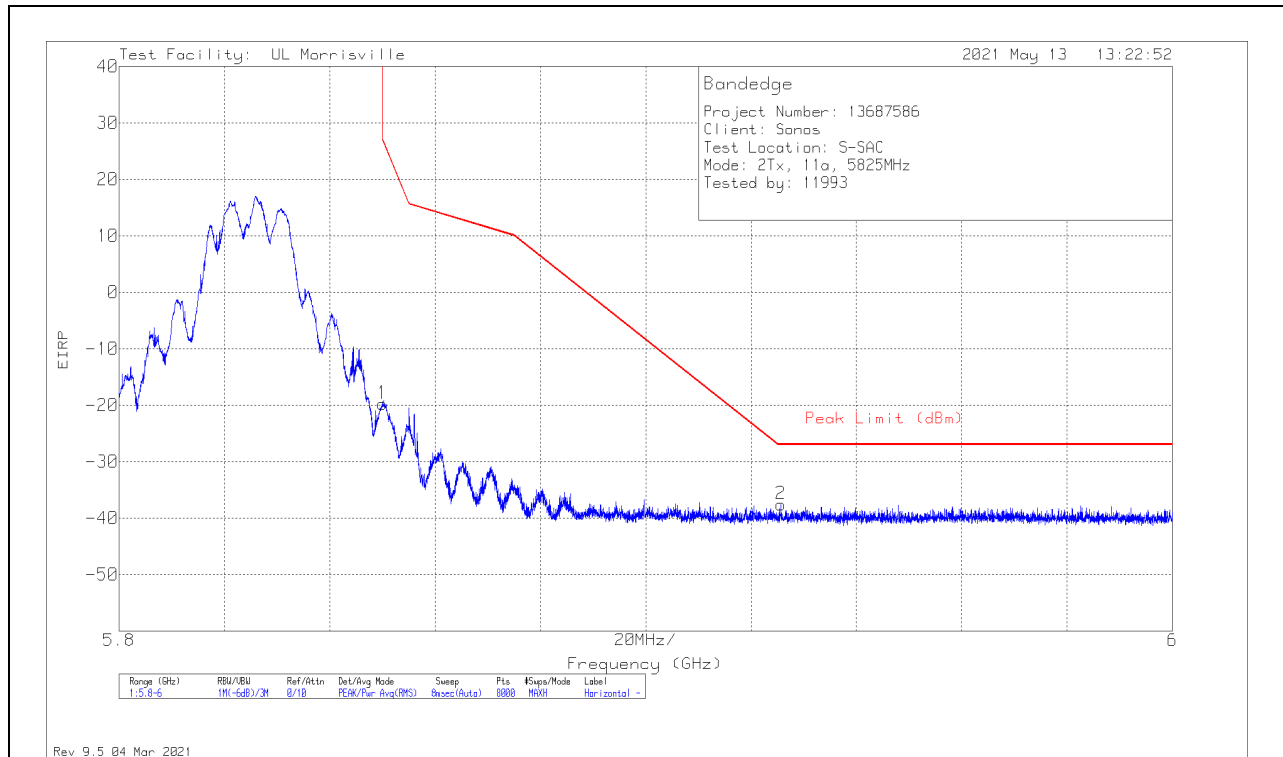


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0072 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	Pad (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.6465	-65.67	Pk	34.7	-23.3	11.8	10	-32.47	-27	-5.47	4	106	V
1	5.725	-34.62	Pk	34.8	-23.5	11.8	10.1	-1.42	27	-28.42	4	106	V

Pk - Peak detector

BANDEGE (HIGH CHANNEL)

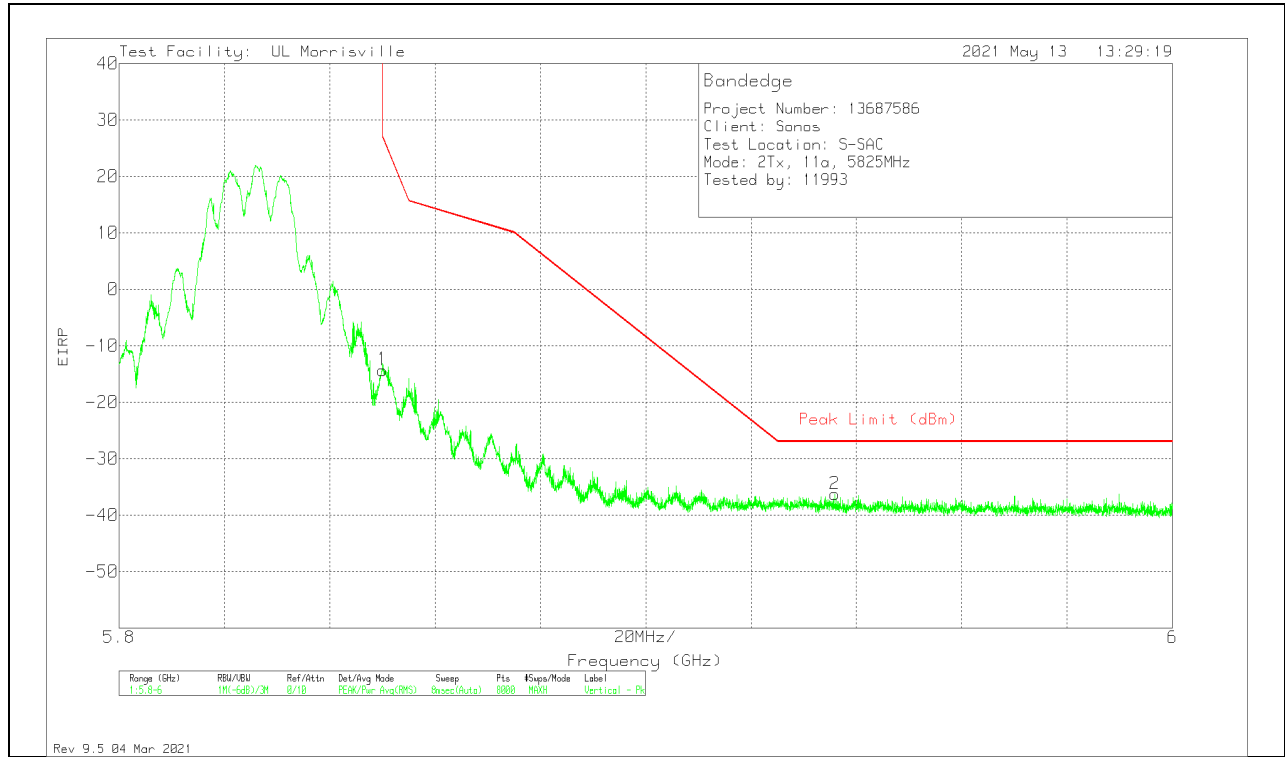
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0072 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	Pad (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85001	-53.74	Pk	35.2	-23.1	11.8	10.1	-19.74	26.99	-46.73	4	103	H
2	5.92564	-71.65	Pk	35.1	-22.8	11.8	10	-37.55	-27	-10.55	4	103	H

Pk - Peak detector

VERTICAL RESULT

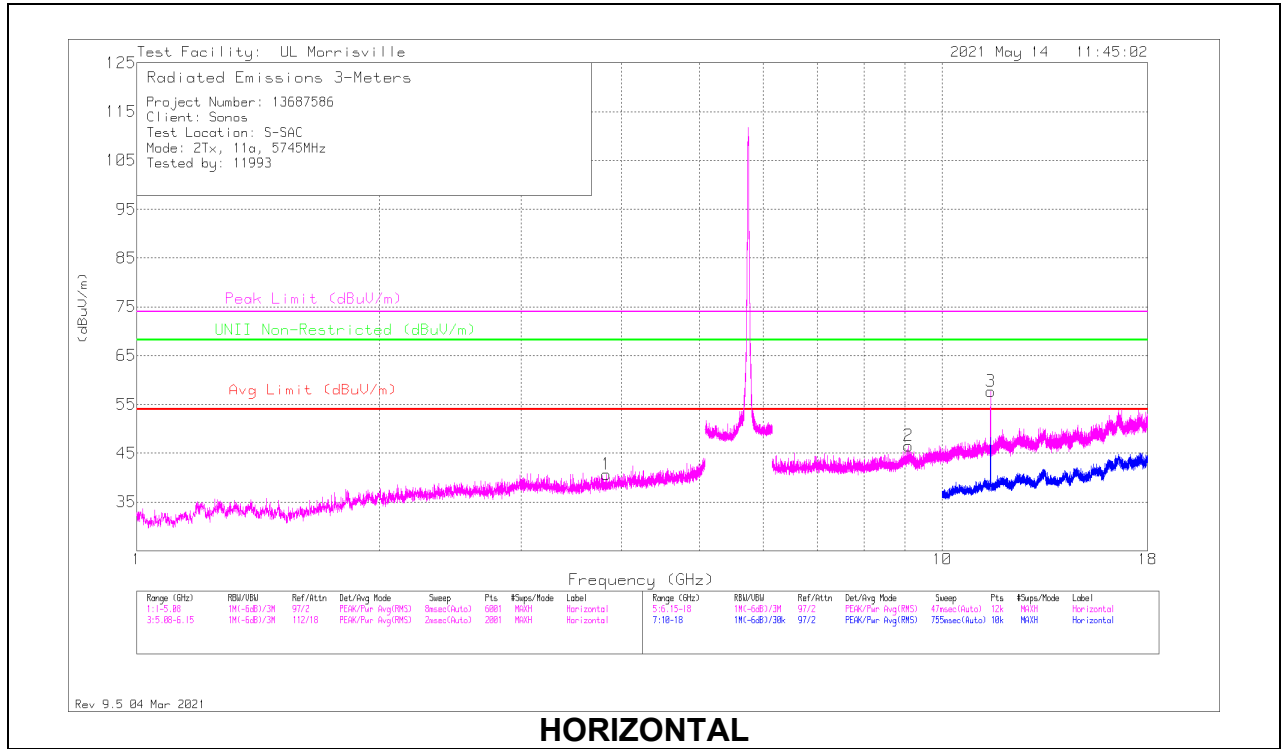


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0072 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	Pad (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85001	-48.34	Pk	35.2	-23.1	11.8	10.1	-14.34	26.99	-41.33	31	226	V
2	5.93592	-70.6	Pk	35.2	-22.8	11.8	10.1	-36.3	-27	-9.3	31	226	V

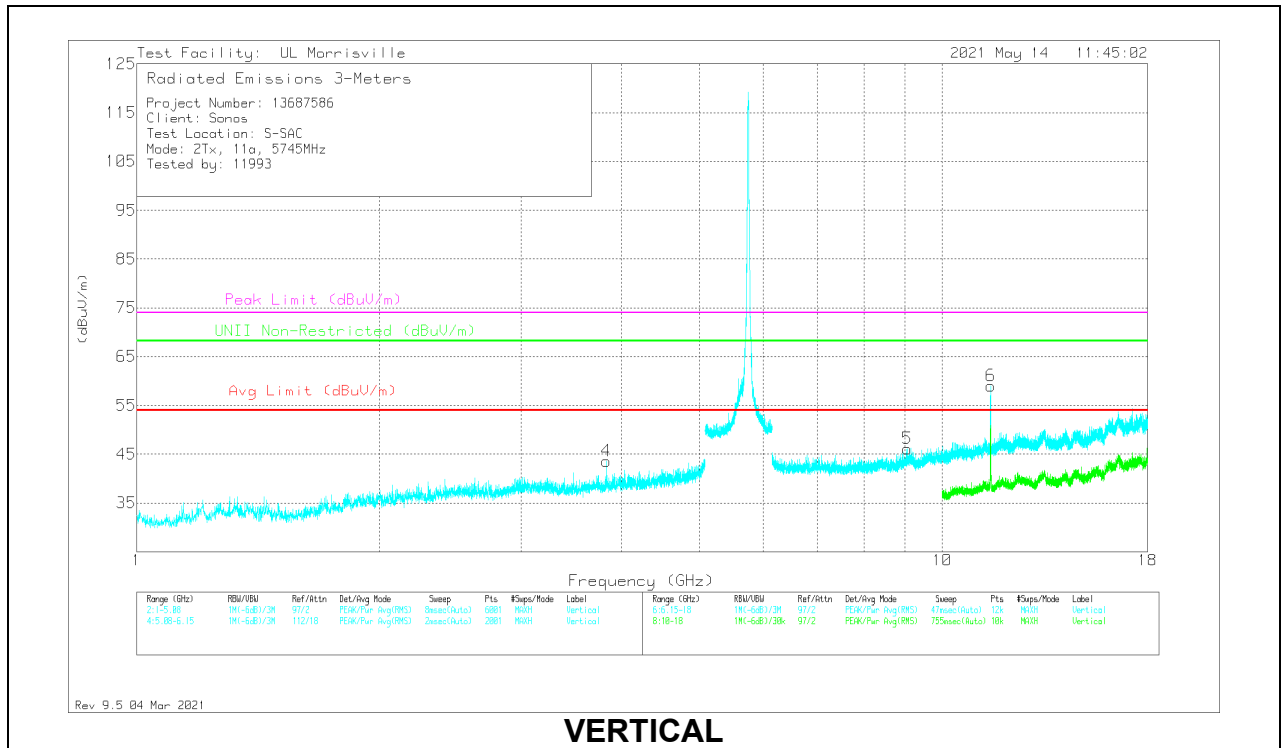
Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/fttr/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	* ** 3.83084	40.08	Pk	33.3	-32.7	0	40.68	54	-13.32	74	-33.32	-	-	0-360	200	H
4	* ** 3.83016	43.13	Pk	33.3	-32.8	0	43.63	54	-10.37	74	-30.37	-	-	0-360	101	V
2	* ** 9.09275	37.06	Pk	36.3	-26.8	0	46.56	54	-7.44	74	-27.44	-	-	0-360	199	H
3	* ** 11.48997	48.04	PK-U	38.1	-24.7	0	61.44	-	-	74	-12.56	-	-	70	108	H
	* ** 11.48988	29.46	ADV	38.1	-24.7	2.78	45.64	54	-8.36	-	-	-	-	70	108	H
5	* ** 9.05918	36.87	Pk	36.2	-27	0	46.07	54	-7.93	74	-27.93	-	-	0-360	199	V
6	* ** 11.49178	51.16	PK-U	38.1	-24.7	0	64.56	-	-	74	-9.44	-	-	321	105	V
	* ** 11.49152	32.04	ADV	38.1	-24.7	2.78	48.22	54	-5.78	-	-	-	-	321	105	V

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

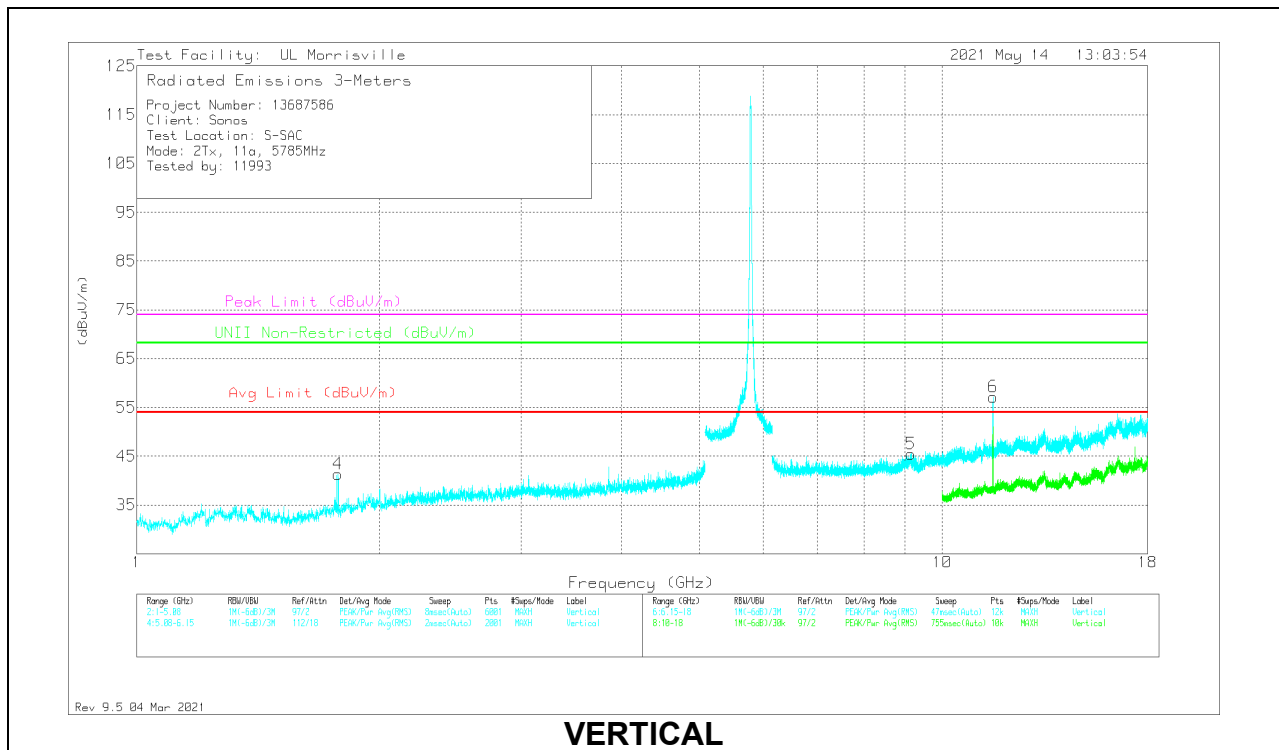
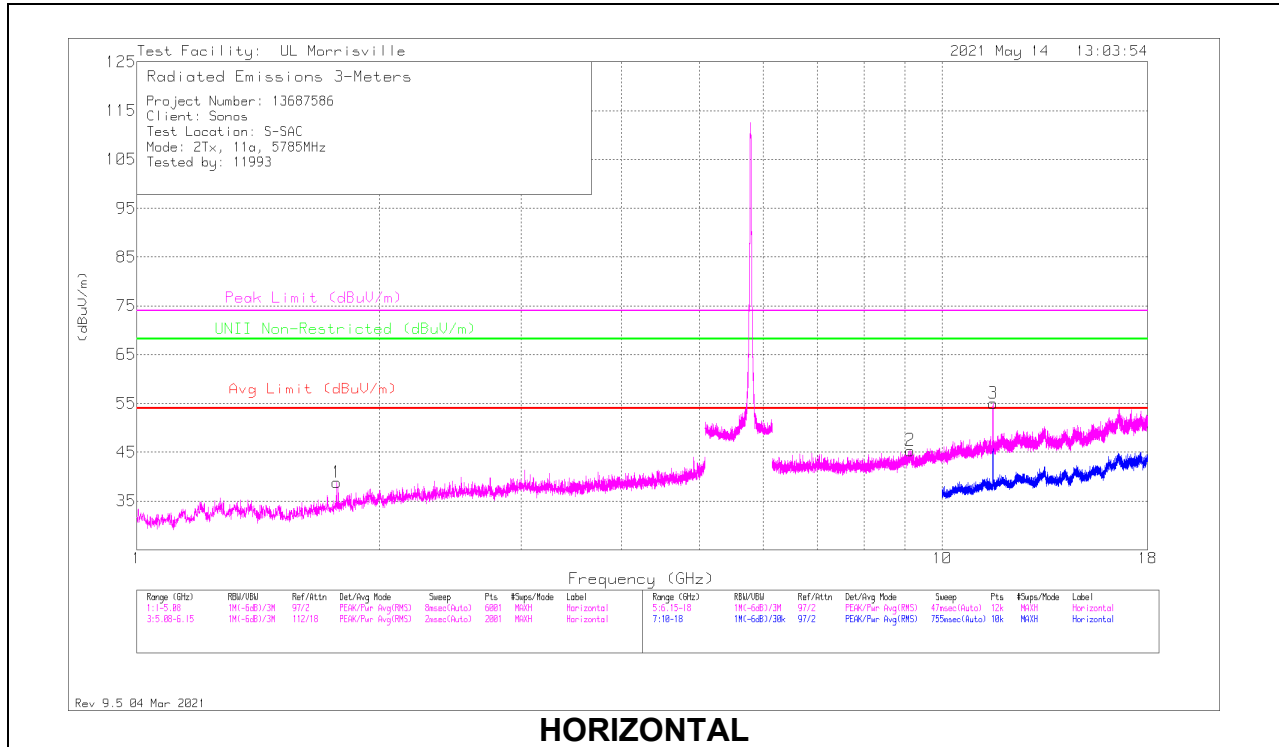
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

PK-U - Maximum Peak

ADV - Linear Voltage Average

MID CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/fttr/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	** 1.77112	43.97	Pk	29.5	-34.7	0	38.77	54	-15.23	74	-35.23	-	-	0-360	200	H
4	** 1.7786	46.36	Pk	29.7	-34.7	0	41.36	54	-12.64	74	-32.64	-	-	0-360	101	V
2	*** 9.1283	35.67	Pk	36.3	-26.6	0	45.37	54	-8.63	74	-28.63	-	-	0-360	101	H
3	*** 11.56982	45.63	PK-U	38.2	-24.8	0	59.03	-	-	74	-14.97	-	-	325	208	H
	*** 11.56956	27.84	ADV	38.2	-24.8	2.78	44.02	54	-9.98	-	-	-	-	325	208	H
5	*** 9.15595	35.8	Pk	36.3	-26.7	0	45.4	54	-8.6	74	-28.6	-	-	0-360	101	V
6	*** 11.57173	49.3	PK-U	38.2	-24.8	0	62.7	-	-	74	-11.3	-	-	324	114	V
	*** 11.57199	30.62	ADV	38.2	-24.8	2.78	46.8	54	-7.2	-	-	-	-	324	114	V

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

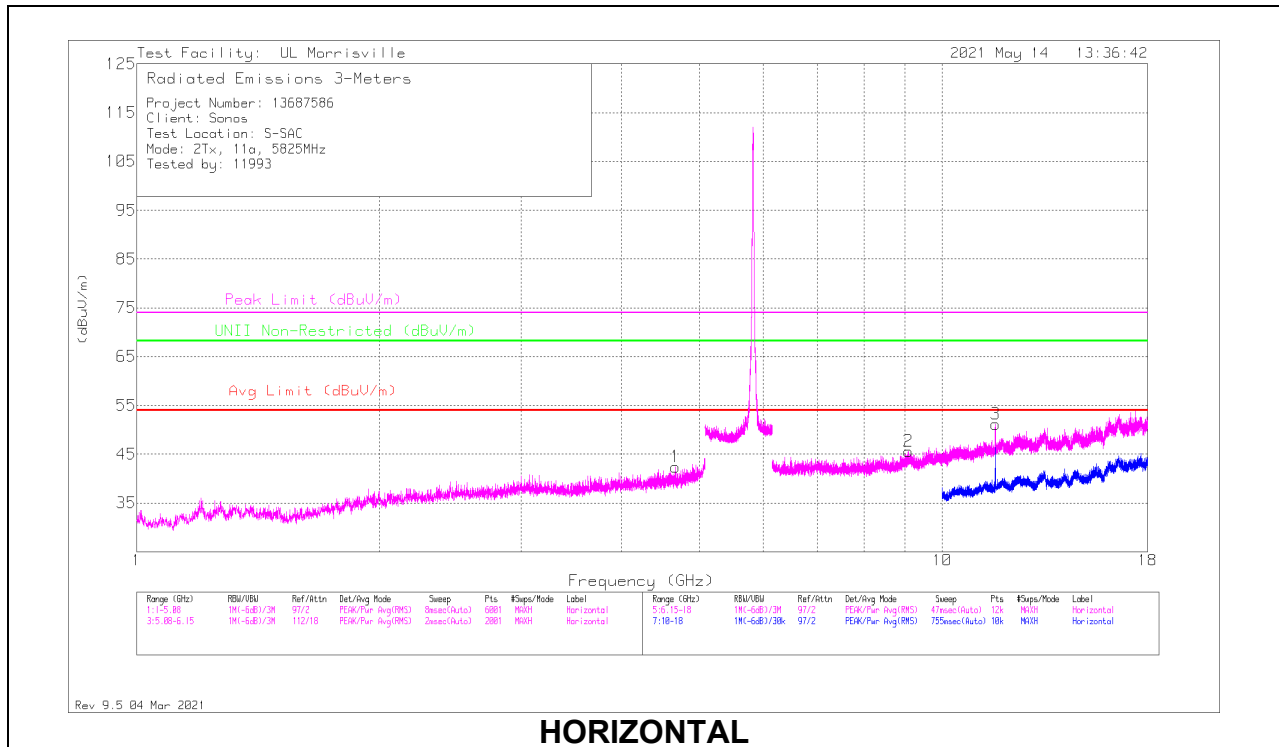
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

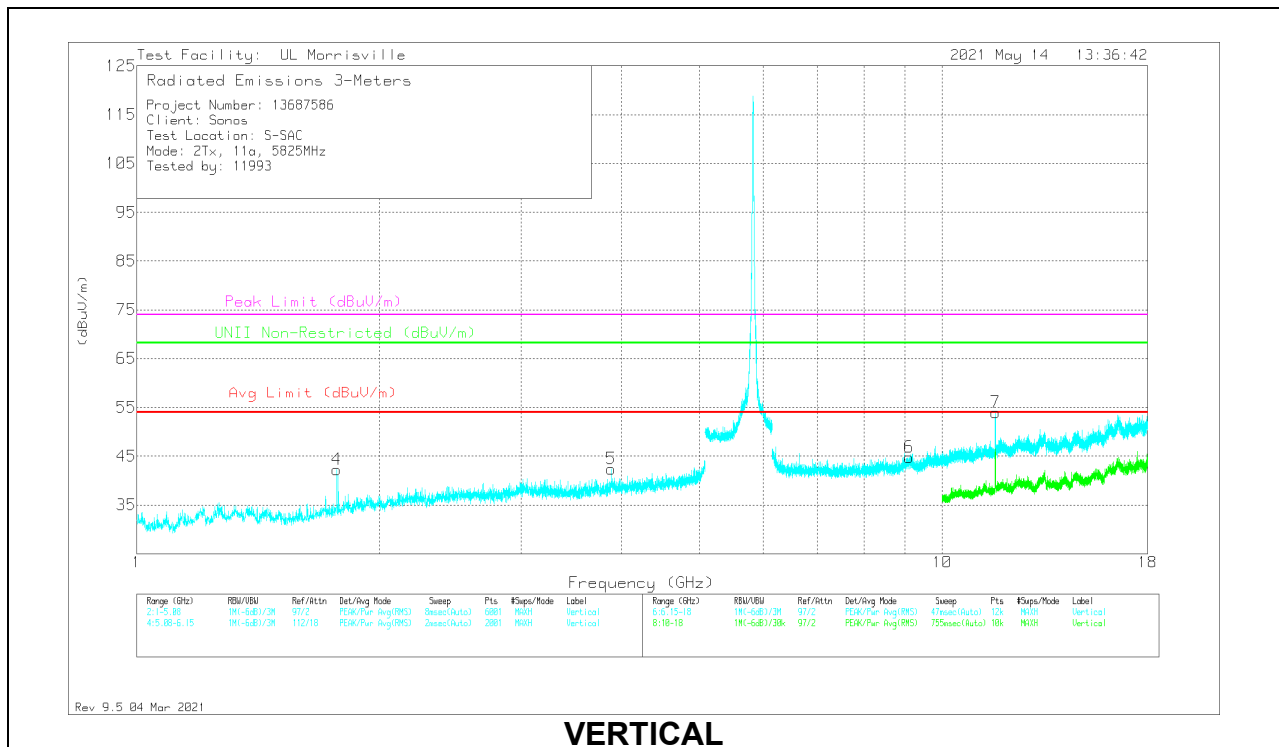
PK-U - Maximum Peak

ADV - Linear Voltage Average

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/fttr/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	* ** 4.66452	39.37	Pk	34	-31	0	42.37	54	-11.63	74	-31.63	-	-	0-360	101	H
4	** 1.7718	47.36	Pk	29.6	-34.7	0	42.26	54	-11.74	74	-31.74	-	-	0-360	200	V
5	* ** 3.88388	41.34	Pk	33.5	-32.5	0	42.34	54	-11.66	74	-31.66	-	-	0-360	200	V
2	* ** 9.0888	36.2	Pk	36.3	-26.9	0	45.6	54	-8.4	74	-28.4	-	-	0-360	199	H
3	* ** 11.64649	42.57	PK-U	38.2	-24.8	0	55.97	-	-	74	-18.03	-	-	359	314	H
	* ** 11.64591	24.97	ADV	38.2	-24.8	2.78	41.15	54	-12.85	-	-	-	-	359	314	H
6	* ** 9.10065	35.27	Pk	36.3	-26.8	0	44.77	54	-9.23	74	-29.23	-	-	0-360	199	V
7	* ** 11.65181	44.59	PK-U	38.2	-24.7	0	58.09	-	-	74	-15.91	-	-	305	190	V
	* ** 11.65188	26.8	ADV	38.2	-24.7	2.78	43.08	54	-10.92	-	-	-	-	305	190	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

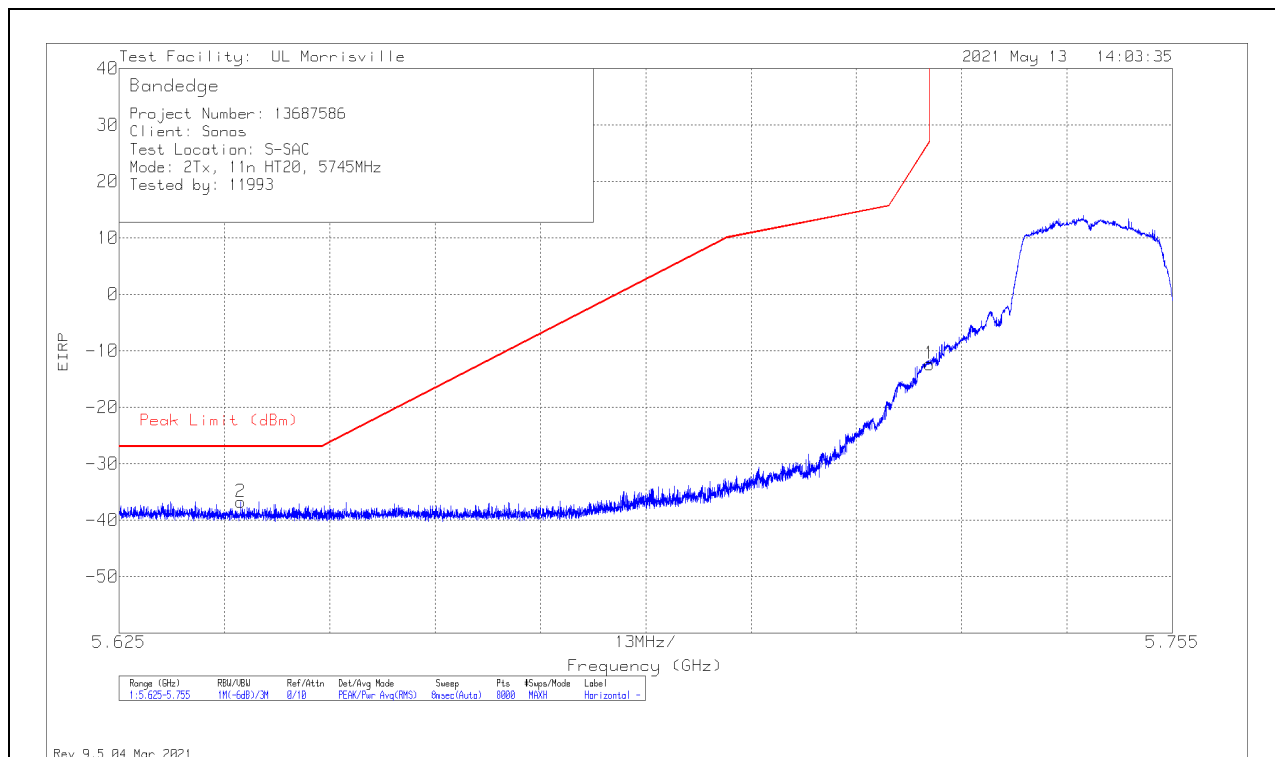
ADV - Linear Voltage Average

10.1.8. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.8 GHz BAND

2TX Antenna 1 + Antenna 2 CDD MODE

BANDEDGE (LOW CHANNEL)

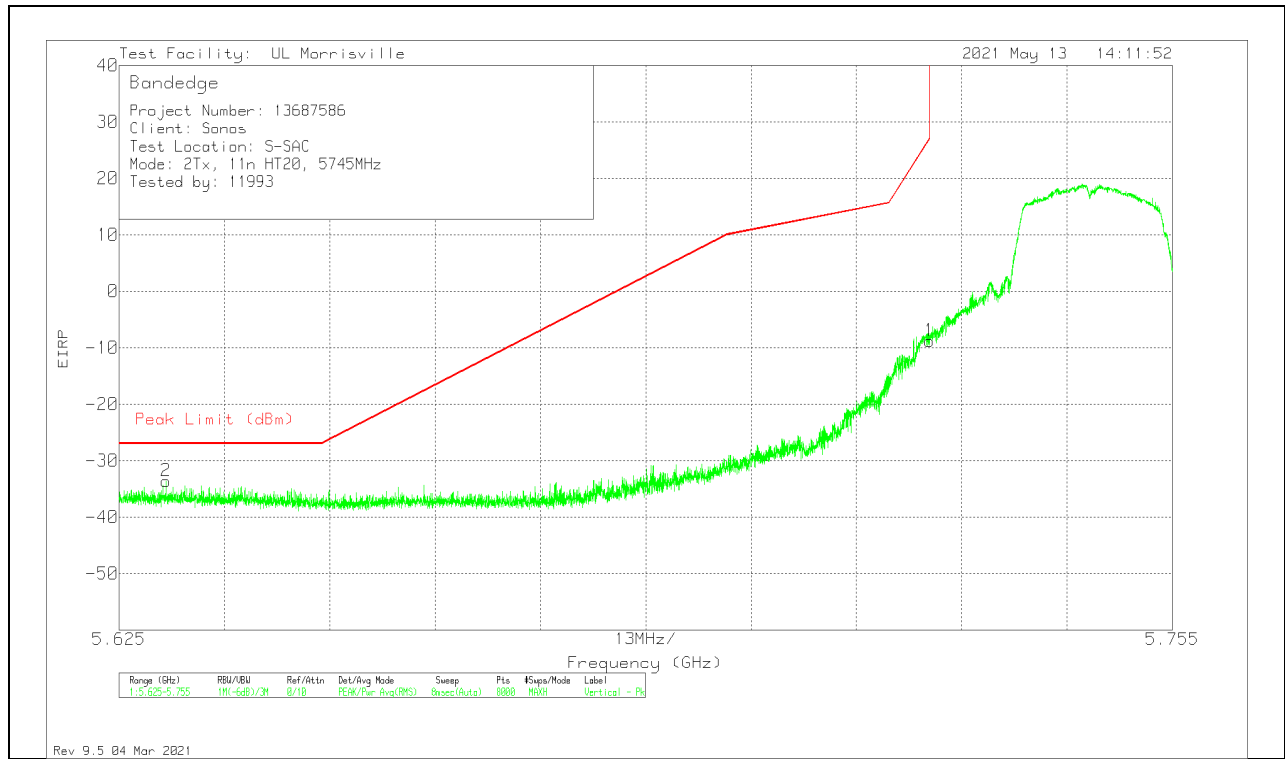
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0072 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	Pad (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.64002	-69.87	Pk	34.7	-23.4	11.8	10	-36.77	-27	-9.77	276	200	H
1	5.725	-45.55	Pk	34.8	-23.5	11.8	10.1	-12.35	27	-39.35	276	200	H

Pk - Peak detector

VERTICAL RESULT

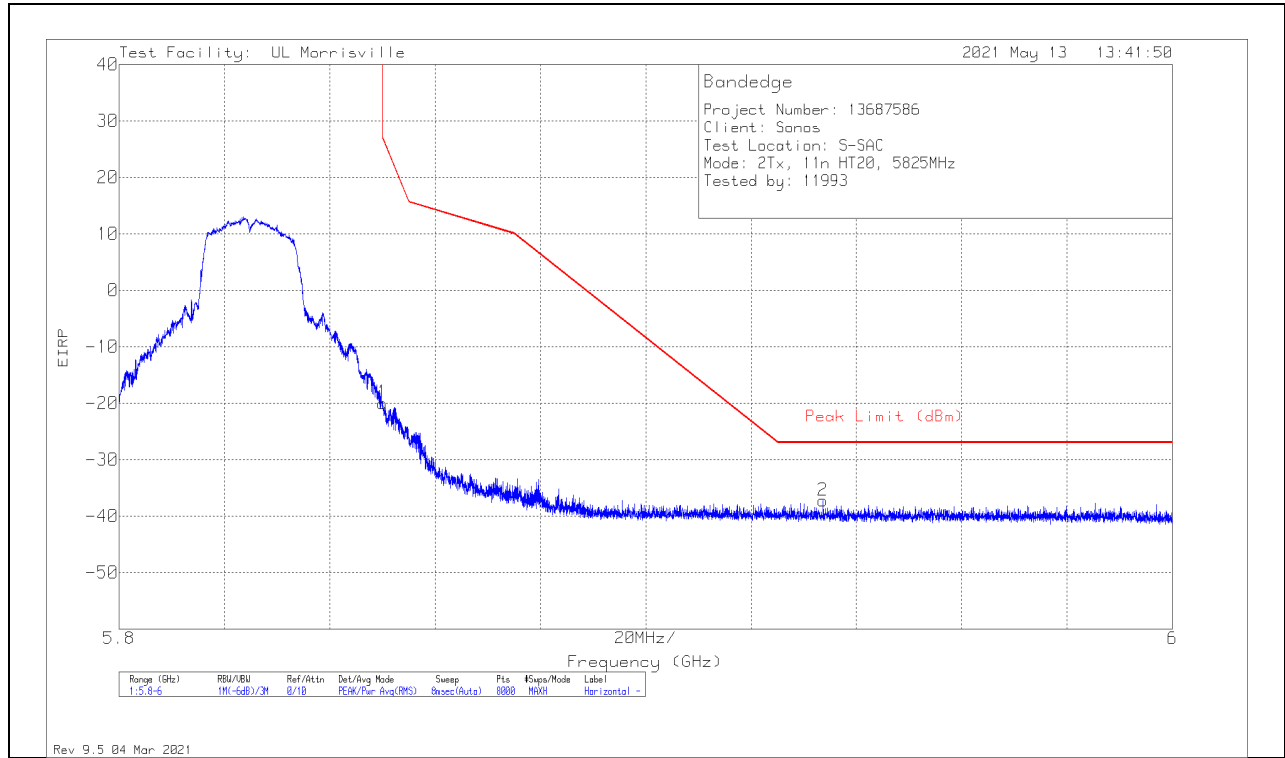


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0072 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	Pad (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.63077	-66.94	Pk	34.7	-23.3	11.8	10.1	-33.64	-27	-6.64	61	115	V
1	5.725	-42.03	Pk	34.8	-23.5	11.8	10.1	-8.83	27	-35.83	61	115	V

Pk - Peak detector

BANDEDGE (HIGH CHANNEL)

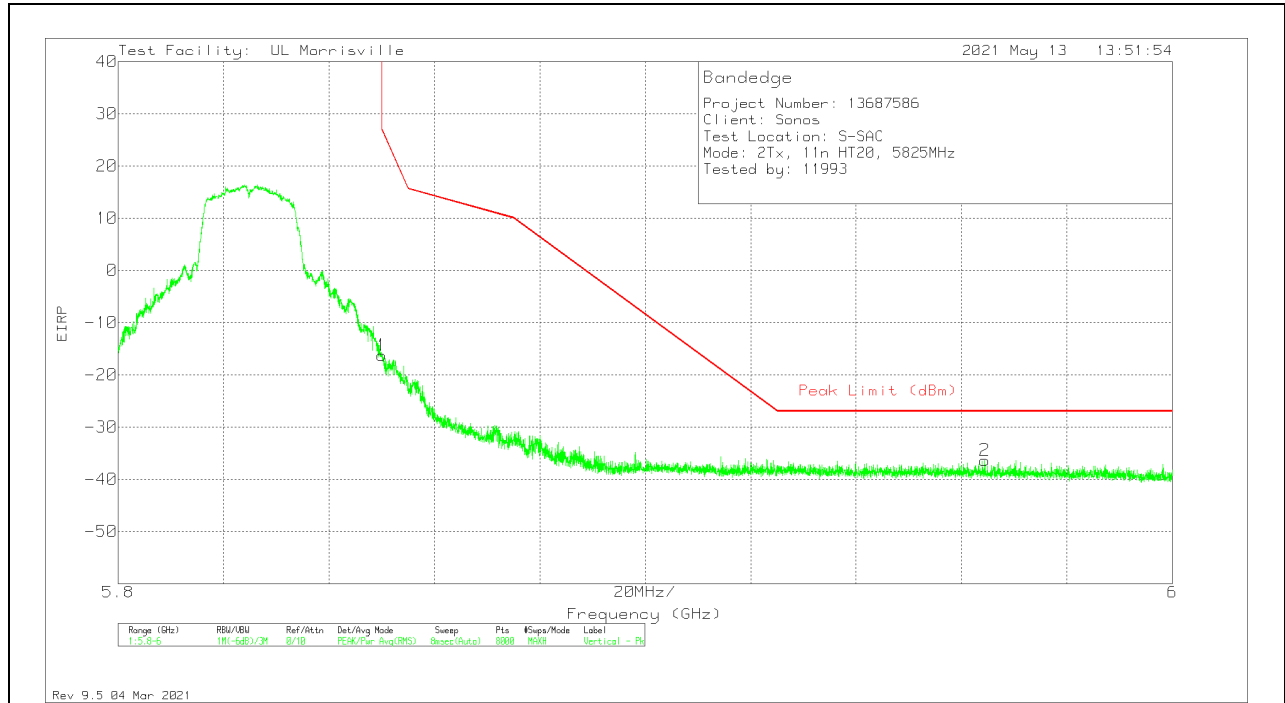
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0072 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	Pad (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85001	-53.97	Pk	35.2	-23.1	11.8	10.1	-19.97	26.99	-46.96	275	172	H
2	5.93364	-71.57	Pk	35.2	-22.8	11.8	10.1	-37.27	-27	-10.27	275	172	H

Pk - Peak detector

VERTICAL RESULT

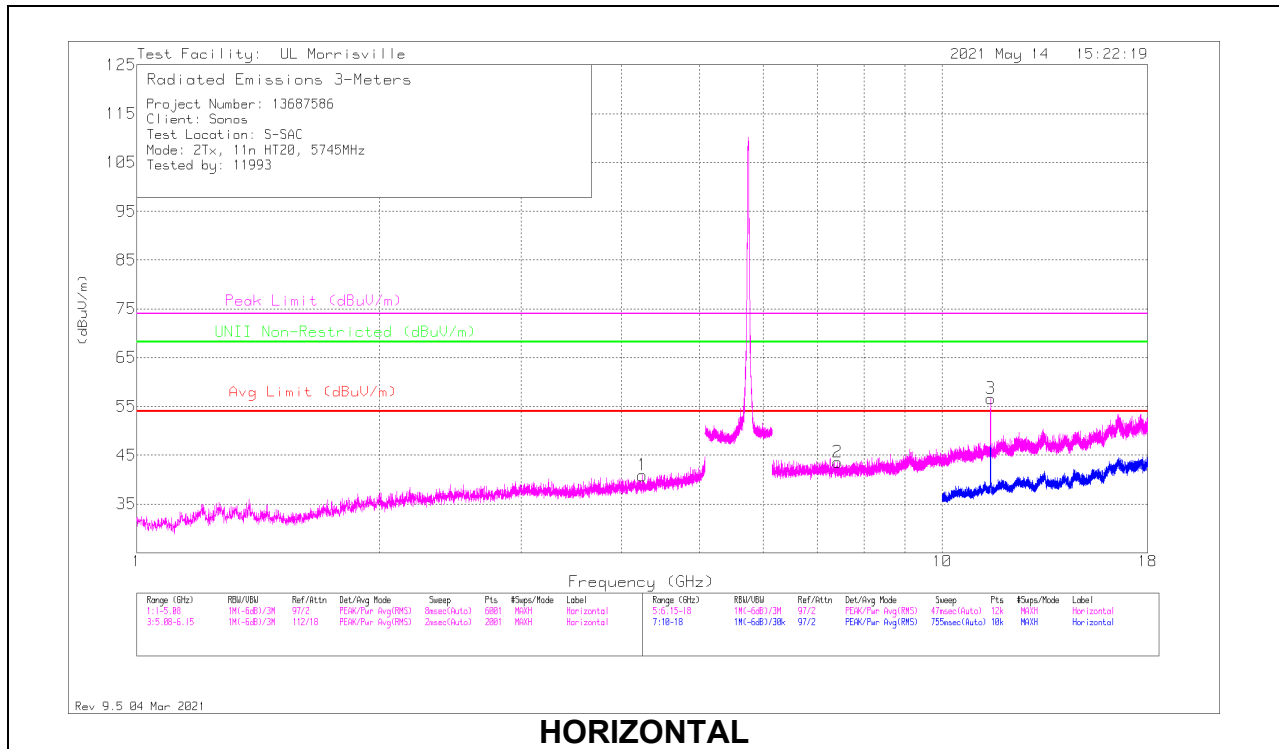


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0072 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	Pad (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85001	-50.27	Pk	35.2	-23.1	11.8	10.1	-16.27	26.99	-43.26	251	138	V
2	5.96442	-70.58	Pk	35.2	-22.9	11.8	10.1	-36.38	-27	-9.38	251	138	V

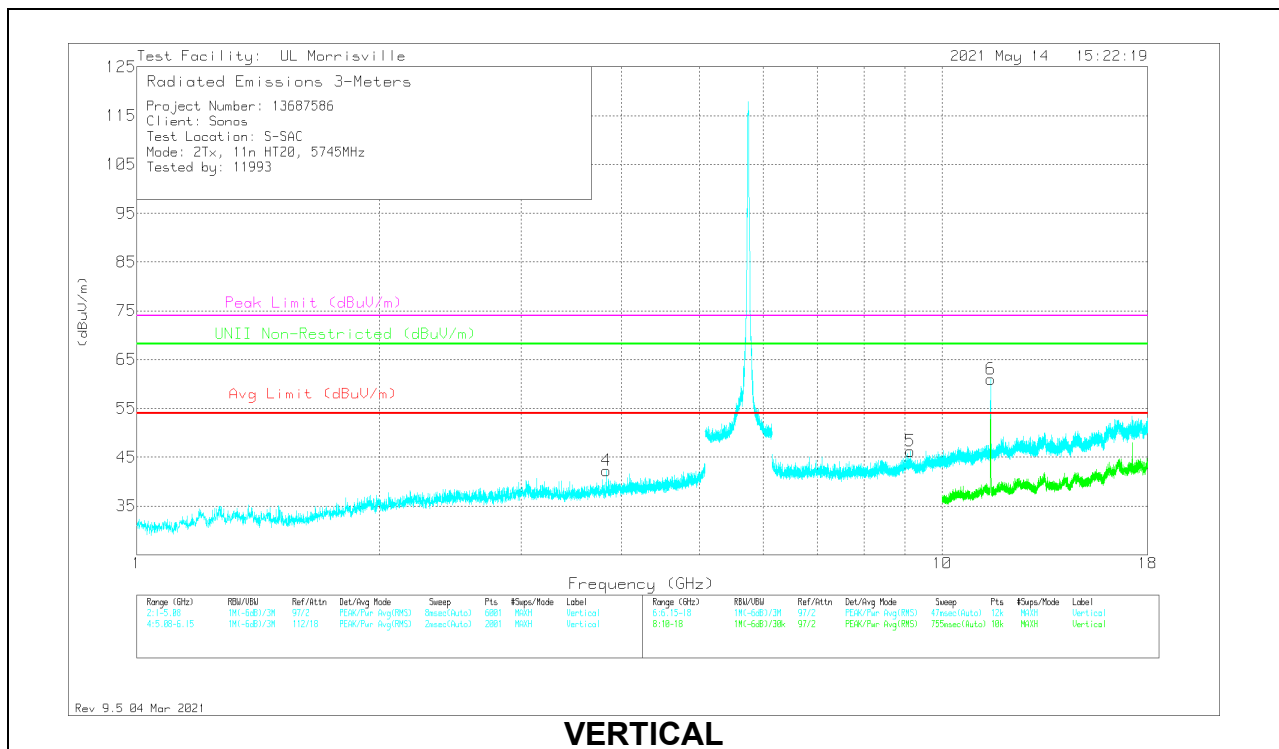
Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/fttr/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	* ** 4.2436	39.16	Pk	33.7	-32	0	40.86	54	-13.14	74	-33.14	-	-	0-360	101	H
4	* ** 3.83016	41.81	Pk	33.3	-32.8	0	42.31	54	-11.69	74	-31.69	-	-	0-360	101	V
2	* ** 7.414	36.14	Pk	35.7	-28.2	0	43.64	54	-10.36	74	-30.36	-	-	0-360	200	H
3	* ** 11.49309	47.39	PK-U	38.1	-24.7	0	60.79	-	-	74	-13.21	-	-	325	193	H
	* ** 11.49286	29.24	ADV	38.1	-24.7	2.96	45.6	54	-8.4	-	-	-	-	325	193	H
5	* ** 9.13028	36.59	Pk	36.3	-26.7	0	46.19	54	-7.81	74	-27.81	-	-	0-360	101	V
6	* ** 11.49065	51.41	PK-U	38.1	-24.7	0	64.81	-	-	74	-9.19	-	-	326	117	V
	* ** 11.49035	31.57	ADV	38.1	-24.7	2.96	47.93	54	-6.07	-	-	-	-	326	117	V

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

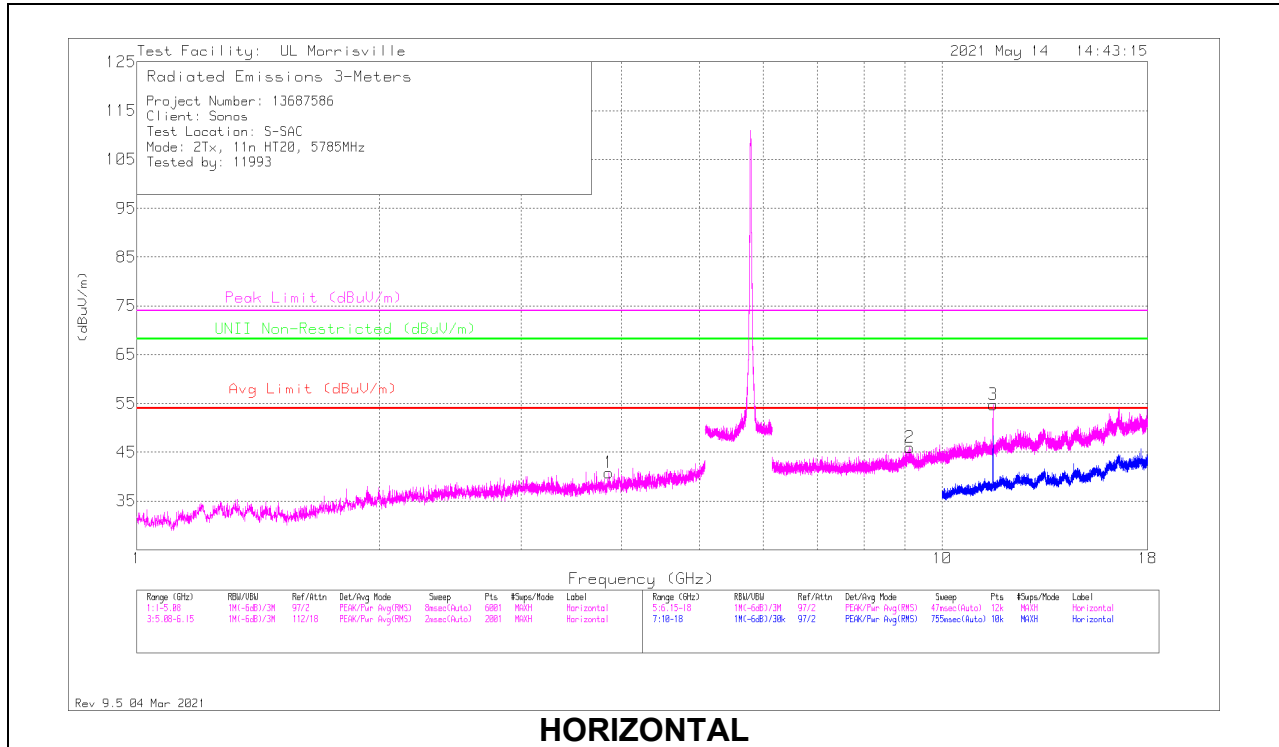
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

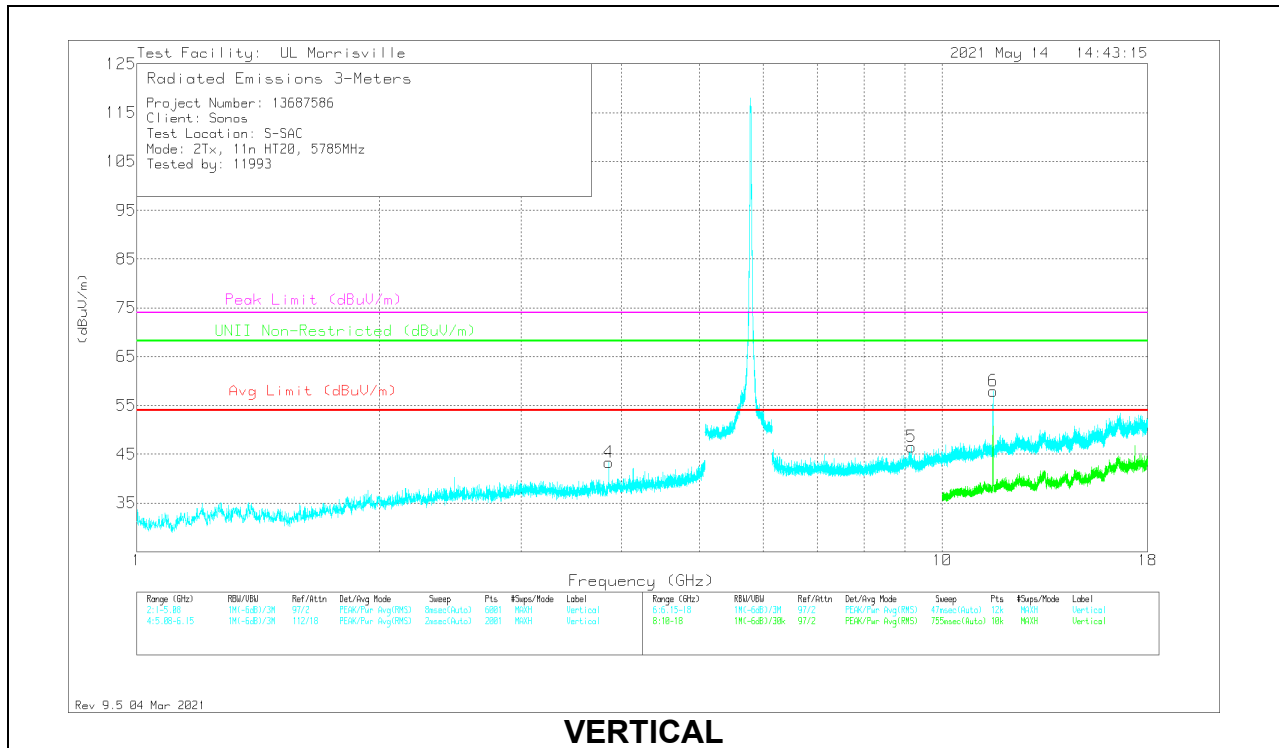
PK-U - Maximum Peak

ADV - Linear Voltage Average

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/fttr/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	* ** 3.85668	40.04	Pk	33.4	-32.6	0	40.84	54	-13.16	74	-33.16	-	-	0-360	101	H
4	* ** 3.85668	42.56	Pk	33.4	-32.6	0	43.36	54	-10.64	74	-30.64	-	-	0-360	101	V
2	* ** 9.11744	36.4	Pk	36.3	-26.7	0	46	54	-8	74	-28	-	-	0-360	101	H
3	* ** 11.57059	45.3	PK-U	38.2	-24.8	0	58.7	-	-	74	-15.3	-	-	327	195	H
	* ** 11.57004	27.07	ADV	38.2	-24.8	2.96	43.43	54	-10.57	-	-	-	-	327	195	H
5	* ** 9.16681	37.1	Pk	36.3	-26.9	0	46.5	54	-7.5	74	-27.5	-	-	0-360	101	V
6	* ** 11.57066	48.95	PK-U	38.2	-24.8	0	62.35	-	-	74	-11.65	-	-	50	103	V
	* ** 11.5707	29.66	ADV	38.2	-24.8	2.96	46.02	54	-7.98	-	-	-	-	50	103	V

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

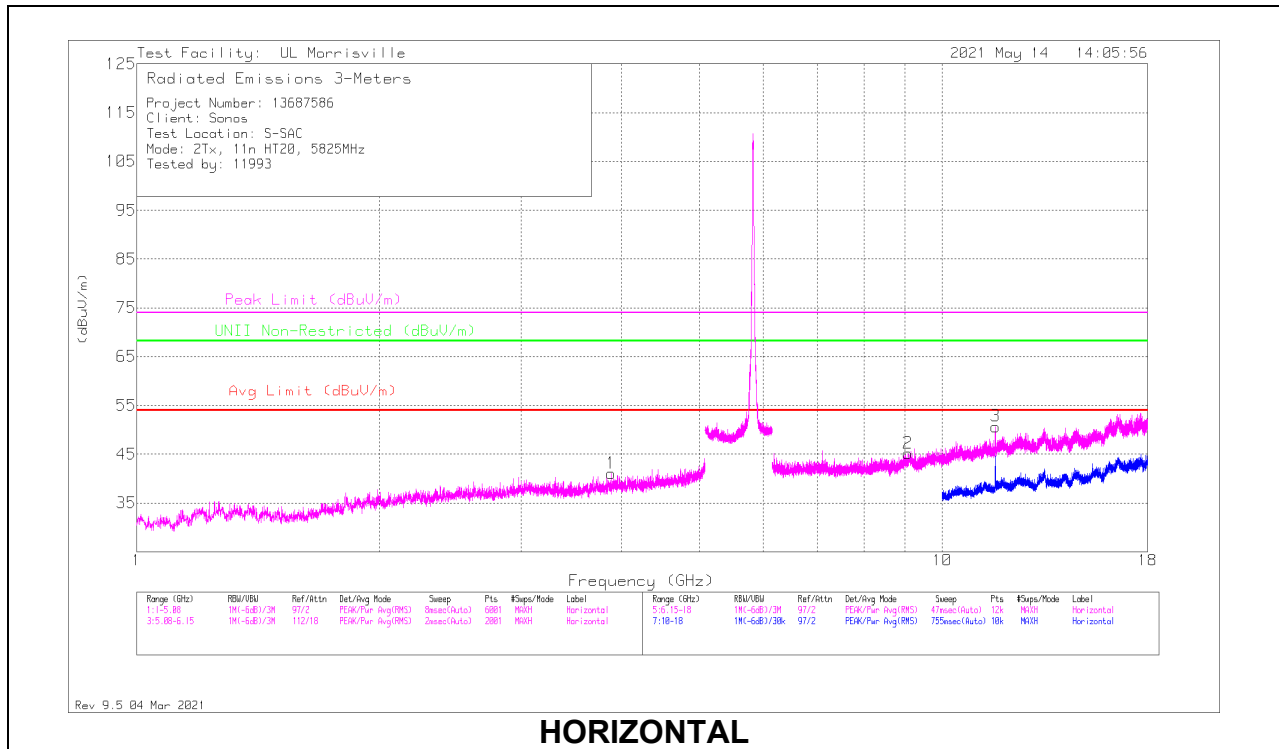
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

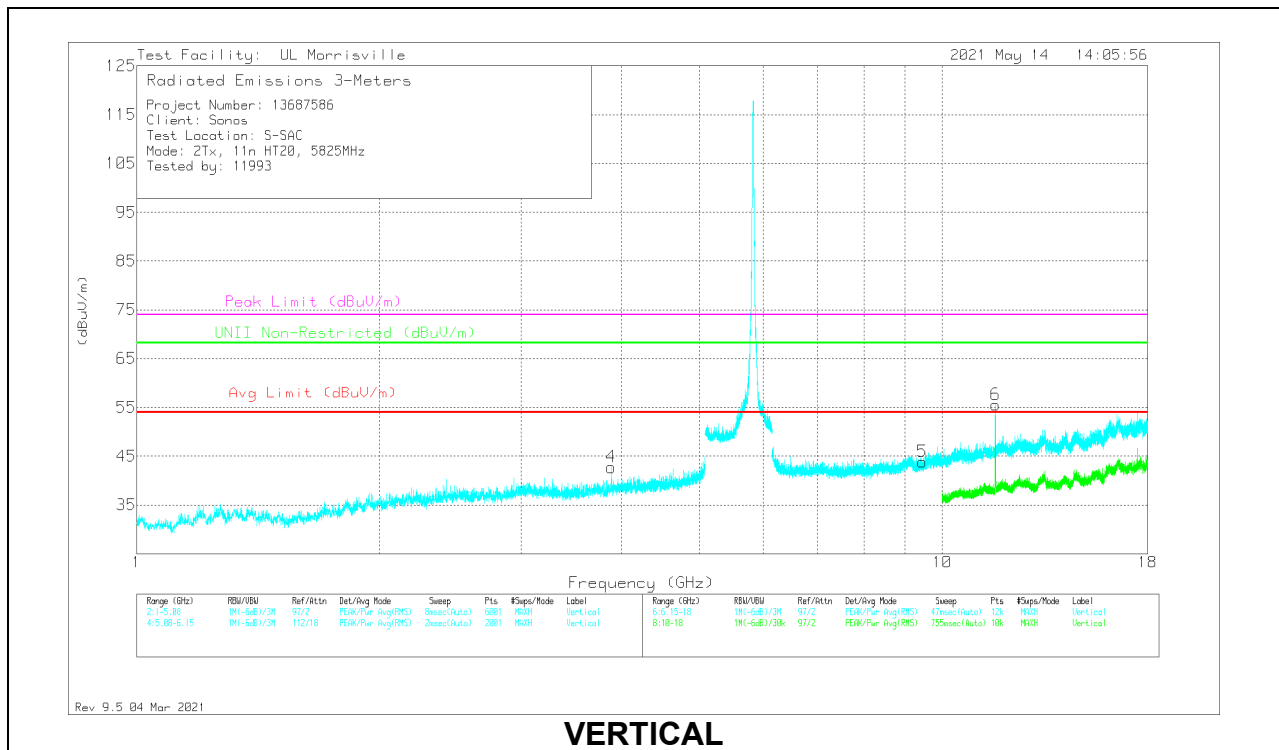
PK-U -Maximum Peak

ADV -Linear Voltage Average

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/fttr/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	* ** 3.88388	40.06	Pk	33.5	-32.5	0	41.06	54	-12.94	74	-32.94	-	-	0-360	101	H
4	* ** 3.88354	41.72	Pk	33.5	-32.5	0	42.72	54	-11.28	74	-31.28	-	-	0-360	101	V
2	* ** 9.07596	35.89	Pk	36.3	-27	0	45.19	54	-8.81	74	-28.81	-	-	0-360	200	H
3	* ** 11.64848	41.14	PK-U	38.2	-24.8	0	54.54	-	-	74	-19.46	-	-	74	107	H
	* ** 11.64834	24.74	ADV	38.2	-24.8	2.96	41.1	54	-12.9	-	-	-	-	74	107	H
5	* ** 9.45319	34.17	Pk	36.6	-26.9	0	43.87	54	-10.13	74	-30.13	-	-	0-360	200	V
6	* ** 11.65185	44.74	PK-U	38.2	-24.7	0	58.24	-	-	74	-15.76	-	-	215	108	V
	* ** 11.65189	27.32	ADV	38.2	-24.7	2.96	43.78	54	-10.22	-	-	-	-	215	108	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